

1 **STATE CONSTRUCTION AND FIRE CODES AMENDMENTS**

2 2024 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 modifies the State Construction Code and the State Fire Code.

10 **Highlighted Provisions:**

11 This bill:

- 12 ▶ amends the statewide amendments to the International Building Code;
- 13 ▶ amends the statewide amendments to the International Residential Code;
- 14 ▶ amends the statewide amendments to the International Mechanical Code;
- 15 ▶ amends the statewide amendments to the National Electrical Code;
- 16 ▶ amends the statewide amendments to the International Existing Building Code;
- 17 ▶ adopts the 2024 edition of the Liquefied Petroleum Gas Code; and
- 18 ▶ amends statewide amendments to the International Fire Code.

19 **Money Appropriated in this Bill:**

20 None

21 **Other Special Clauses:**

22 This bill provides a special effective date.

23 **Utah Code Sections Affected:**

24 AMENDS:

25 **15A-3-102**, as last amended by Laws of Utah 2023, Chapters 209, 327

26 **15A-3-113**, as last amended by Laws of Utah 2021, Chapter 199

27 **15A-3-202**, as last amended by Laws of Utah 2023, Chapter 209

28 **15A-3-203**, as last amended by Laws of Utah 2023, Chapter 209

29 **15A-3-204**, as last amended by Laws of Utah 2023, Chapter 209

- 30 **15A-3-205**, as last amended by Laws of Utah 2023, Chapter 209
 - 31 **15A-3-206**, as last amended by Laws of Utah 2023, Chapter 209
 - 32 **15A-3-402**, as last amended by Laws of Utah 2023, Chapter 209
 - 33 **15A-3-601**, as last amended by Laws of Utah 2023, Chapter 209
 - 34 **15A-3-801**, as last amended by Laws of Utah 2023, Chapter 209
 - 35 **15A-5-103**, as last amended by Laws of Utah 2023, Chapter 95
 - 36 **15A-5-202**, as last amended by Laws of Utah 2023, Chapters 95, 327
 - 37 **15A-5-203**, as last amended by Laws of Utah 2023, Chapters 95, 327
 - 38 **63I-2-215**, as last amended by Laws of Utah 2020, Fifth Special Session, Chapter 4
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39

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

40 Section 1. Section **15A-3-102** is amended to read:

41 **15A-3-102. Amendments to Chapters 1 through 3 of IBC.**

42 (1) IBC, Section 106, is deleted.

43 (2) In IBC, Section 110, a new section is added as follows: " 110.3.13,
44 Weather-resistant exterior wall envelope. An inspection shall be made of the weather-resistant
45 exterior wall envelope as required by Section 1404.2, and flashing as required by Section
46 1404.4 to prevent water from entering the weather-resistive barrier."

47 (3) IBC, Section 115.1, is deleted and replaced with the following: "115.1 Authority.
48 Whenever the building official finds any work regulated by this code being performed in a
49 manner either contrary to the provisions of this code or other pertinent laws or ordinances or is
50 dangerous or unsafe, the building official is authorized to stop work."

51 (4) In IBC, Section 202, the following definition is added for Ambulatory Surgical
52 Center: "AMBULATORY SURGICAL CENTER. A building or portion of a building licensed
53 by the Department of Health and Human Services where procedures are performed that may
54 render patients incapable of self preservation where care is less than 24 hours. See Utah
55 Administrative Code R432-13."

56 (5) In IBC, Section 202, the definition for "Approved" is modified by adding the words
57

58 "or independent third-party licensed engineer or architect and submitted to the building
59 official" after the word "official."

60 (6) In IBC, Section 202, the definition for "Approved Agency" is modified by deleting
61 the words "where such agency has been approved by the building official."

62 (7) In IBC, Section 202, the definition for "Approved Fabricator" is modified by adding
63 the words "or approved by the state of Utah or a licensed engineer" after the word "code."

64 (8) In IBC, Section 202, the definition for "Approved Source" is modified by adding
65 the words "or licensed engineer" after the word "official."

66 (9) In IBC, Section 202, the following definition is added for Assisted Living Facility,
67 Residential Treatment and Support: "ASSISTED LIVING FACILITY, RESIDENTIAL
68 TREATMENT AND SUPPORT. A residential facility that provides a group living
69 environment for four or more residents licensed by the Department of Health and Human
70 Services and provides a protected living arrangement for ambulatory, non-restrained persons
71 who are capable of achieving mobility sufficient to exit the facility without the physical
72 assistance of another person.

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

78 ASSISTED LIVING FACILITY, TYPE II. A residential facility licensed by the
79 Department of Health and Human Services that provides an array of coordinated supportive
80 personal and health care services to two or more residents who are:

- 81 (i) Physically disabled but able to direct his or her own care; or
- 82 (ii) Cognitively impaired or physically disabled but able to evacuate from the facility,
83 or to a zone or area of safety, with the physical assistance of one person.

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

86 ASSISTED LIVING FACILITY, SMALL. A Type I or Type II assisted living facility
87 having six to sixteen residents.

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

90 (10) In IBC, Section 202, the following definition is added for Child Care Facility:
91 "CHILD CARE FACILITY. A facility where care and supervision is provided for four or more
92 children for less than 24 hours a day and for direct or indirect compensation in place of care
93 ordinarily provided in their home."

94 (11) In IBC, Section 202, the definition for " [A] Record Drawings" is modified by
95 deleting the words "a fire alarm system" and replacing them with "any fire protection system."

96 (12) In IBC, Section 304.1, the words "and technical colleges who also educate high
97 school students as part of their student body" are added after the words "Educational
98 occupancies for students above the 12th grade including higher education laboratories."

99 [~~(12)~~] (13) In IBC, Section 305, Sections 305.2 through 305.2.3 are deleted and
100 replaced with the following:

101 "305.2 Group E, child care facilities. This group includes buildings and structures or
102 portions thereof occupied by four or more children 2 years of age or older who receive
103 educational, supervision, child care services or personal care services for fewer than 24 hours
104 per day. See Section 429 Day Care, for special requirements for day care.

105 305.2.1 Within places of religious worship. Rooms and spaces within places of
106 religious worship providing such day care during religious functions shall be classified as part
107 of the primary occupancy.

108 305.2.2 Four or fewer children. A facility having four or fewer children receiving such
109 day care shall be classified as part of the primary occupancy.

110 305.2.3 Four or fewer children in a dwelling unit. A facility such as the above within a
111 dwelling unit and having four or fewer children receiving such day care shall be classified as a
112 Group R-3 occupancy or shall comply with the International Residential Code.

113 305.2.4 Child day care -- residential child care certificate or a license. Areas used for

114 child day care purposes with a residential child care certificate, as described in Utah
115 Administrative Code, R430-50, Residential Certificate Child Care, or a residential child care
116 license, as described in Utah Administrative Code, R430-90, Licensed Family Child Care, may
117 be located in a Group R-2 or R-3 occupancy as provided in Sections 310.3 and 310.4 or shall
118 comply with the International Residential Code in accordance with Section R101.2.

119 305.2.5 Child care centers. Each of the following areas may be classified as accessory
120 occupancies, if the area complies with Section 508.2:

121 1. Hourly child care center, as described in Utah Administrative Code, R381-60 Hourly
122 Child Care Centers;

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

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

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

129 [~~(13)~~] (14) In IBC, Table 307.1(1), footnote "d" is added to the row for Explosives,
130 Division 1.4G in the column titled STORAGE - Solid Pounds (cubic feet).

131 [~~(14)~~] (15) In IBC, Section 308.2, in the list of items under "This group shall include,"
132 the words "Type-I Large and Type-II Small, see Section 308.2.5" are added after "Assisted
133 living facilities."

134 [~~(15)~~] (16) In IBC, Section 308.2.4, all of the words after the first International
135 Residential Code are deleted.

136 [~~(16)~~] (17) A new IBC, Section 308.2.5₂ is added as follows:

137 "308.2.5 Assisted living facilities. A Type I, Large assisted living facility is classified as
138 occupancy Group I-1, Condition 1. A Type II, Small assisted living facility is classified as
139 occupancy Group I-1, Condition 2. See Section 202 for definitions."

140 [~~(17)~~] (18) IBC, Section 308.3₂ is deleted and replaced with the following:

141 "308.3 Institutional Group I-2. Institutional Group I-2 occupancy shall include buildings

142 and structures used for medical care on a 24-hour basis for more than four persons who are
143 incapable of self-preservation. This group shall include, but not be limited to the following:

144 Assisted living facilities, Type-II Large, see Section 308.3.3

145 Child care facilities

146 Foster care facilities

147 Detoxification facilities

148 Hospitals

149 Nursing homes (both intermediate care facilities and skilled nursing facilities)

150 Psychiatric hospitals"

151 [~~(18)~~] (19) In IBC, Section 308.3.2, the number "five" is deleted and replaced with the
152 number "four" in each location.

153 [~~(19)~~] (20) A new IBC, Section 308.3.3₂ is added as follows:

154 "308.3.3 Assisted living facilities. A Type-II, Large assisted living facility is classified
155 as occupancy Group I-2, Condition 1. See Section 202 for definitions."

156 [~~(20)~~] (21) In IBC, Section 308.5, the words "more than five" are deleted and replaced
157 with the words "five or more in each location."

158 [~~(21)~~] (22) IBC, Section 308.5.1, is deleted and replaced with the following:

159 "308.5.1 Classification as Group E. A child day care facility that provides care for five
160 or more but not more than 100 children under two years of age, where the rooms in which the
161 children are cared for are located on a level of exit discharge serving such rooms and each of
162 these child care rooms has an exit door directly to the exterior, shall be classified as a Group E.
163 See Section 429 for special requirements for Day Care."

164 [~~(22)~~] (23) In IBC, Sections 308.5.3 and 308.5.4, the words "five or fewer" are deleted
165 and replaced with the words "four or fewer" in each location and the following sentence is
166 added at the end: "See Section 429 for special requirements for Day Care."

167 [~~(23)~~] (24) IBC, Section 310.4, is deleted and replaced with the following:

168 "310.4 Residential Group R-3. Residential Group R-3 occupancies and single family
169 dwellings complying with the International Residential Code where the occupants are primarily

170 permanent in nature and not classified as Group R-1, R-2, R-4 or I, including:
171 Assisted Living Facilities, Type-I, limited capacity, see Section 310.5.3
172 Buildings that do not contain more than two dwellings
173 Care facilities, other than child care, that provide accommodations for five or fewer
174 persons receiving care
175 Congregate living facilities (nontransient) with 16 or fewer occupants
176 Boarding houses (nontransient)
177 Convents
178 Dormitories
179 Fraternities and sororities
180 Monasteries
181 Congregate living facilities (transient) with 10 or fewer occupants
182 Boarding houses (transient)
183 Lodging houses (transient) with five or fewer guest rooms and 10 or fewer occupants"
184 ~~[(24)]~~ (25) IBC, Section 310.4.1, is deleted and replaced with the following:
185 "310.4.1 Care facilities within a dwelling. Care facilities, other than child care, for five
186 or fewer persons receiving care that are within a single family dwelling are permitted to comply
187 with the International Residential Code. See Section 429 for special requirements for Child
188 Day Care."
189 ~~[(25)]~~ (26) A new IBC Section 310.4.3 is added as follows: " 310.4.3 Child Care.
190 Areas used for child care purposes may be located in a residential dwelling unit under all of the
191 following conditions and Section 429:
192 1. Compliance with Utah Administrative Code, R710-8, Day Care Rules, as enacted
193 under the authority of the Utah Fire Prevention Board.
194 2. Use is approved by the Department of Health and Human Services, as enacted under
195 the authority of the Utah Code, Title 26B, Chapter 2, Part 4, Child Care Licensing, and in any
196 of the following categories:
197 a. Utah Administrative Code, R430-50, Residential Certificate Child Care.

198 b. Utah Administrative Code, R430-90, Licensed Family Child Care.

199 3. Compliance with all zoning regulations of the local regulator."

200 [~~(26)~~] (27) A new IBC, Section 310.4.4, is added as follows: "310.4.4 Assisted living
201 facilities. Type I assisted living facilities with two to five residents are Limited Capacity
202 facilities classified as a Residential Group R-3 occupancy or are permitted to comply with the
203 International Residential Code. See Section 202 for definitions."

204 [~~(27)~~] (28) In IBC, Section 310.5, the words "Type II Limited Capacity and Type I
205 Small, see Section 310.5.3" are added after the words "assisted living facilities."

206 [~~(28)~~] (29) A new IBC, Section 310.5.3, is added as follows: "310.5.3 Group R-4
207 Assisted living facility occupancy groups. The following occupancy groups shall apply to
208 Assisted Living Facilities: Type II Assisted Living Facilities with two to five residents are
209 Limited Capacity Facilities classified as a Residential Group R-4, Condition 2 occupancy. Type
210 I assisted living facilities with six to sixteen residents are Small Facilities classified as
211 Residential Group R-4, Condition 1 occupancies. See Section 202 for definitions."

212 Section 2. Section 15A-3-113 is amended to read:

213 **15A-3-113. Amendments to Chapters 32 through 35 of IBC.**

214 [~~(1) In IBC, Chapter 35, the referenced standard for NFPA 70-17 is deleted and
215 replaced with NFPA 70-20.]~~

216 [~~(2)~~] (1) In IBC, Chapter 35, the referenced standard "ICC A117.1-17: Accessible and
217 Usable Buildings and Facilities" is deleted and replaced with "ICC A117.1-09: Accessible and
218 Usable Buildings and Facilities."

219 (2) In IBC, Chapter 35, the referenced standard ICCA117.1-09, Section 606.2,
220 Exception 1, is modified to include the following sentence at the end of the exception:

221 "The minimum clear floor space shall be centered on the sink assembly."

222 Section 3. Section 15A-3-202 is amended to read:

223 **15A-3-202. Amendments to Chapters 1 through 5 of IRC.**

224 (1) In IRC, Section R101.2, Exception, the words "where provided with an automatic
225 sprinkler system complying with Section P2904" are deleted.

226 (2) In IRC, Section R102, a new Section R102.7.2 is added as follows: "R102.7.2
227 Physical change for bedroom window egress. A structure whose egress window in an existing
228 bedroom is smaller than required by this code, and that complied with the construction code in
229 effect at the time that the bedroom was finished, is not required to undergo a physical change to
230 conform to this code if the change would compromise the structural integrity of the structure or
231 could not be completed in accordance with other applicable requirements of this code,
232 including setback and window well requirements."

233 (3) In IRC, Section R105.2, number 10, is deleted and replaced with the following:
234 "10. Decks that are not more than 30 inches (762 mm) above grade at any point and not
235 requiring guardrails, that do not serve the exit door required by Section R311.4."

236 (4) In IRC, Section R108.3, the following sentence is added at the end of the section:
237 "The building official shall not request proprietary information."

238 [~~(5) IRC, Section 109.1.5, is deleted and replaced with the following: "R109.1.5~~
239 ~~Weather-resistant exterior wall envelope inspections. An inspection shall be made of the~~
240 ~~weather-resistant exterior wall envelope as required by Section R703.1 and flashings as~~
241 ~~required by Section R703.4 to prevent water from entering the weather-resistive barrier."]~~

242 [(6)] (5) IRC, Section 109.1.5, is deleted and replaced with the following:

243 "R109.1.5 Other inspections. In addition to the inspections listed in R109.1.1 through
244 R109.1.4, the building official shall have the authority to inspect the proper installation of
245 insulation.

246 R109.1.5.1 Weather-resistant exterior wall envelope inspections. An inspection shall be
247 made of the weather-resistant exterior wall envelope as required by Section R703.1 and
248 flashings as required by Section R703.4 to prevent water from entering the weather-resistive
249 barrier.

250 R109.1.5.2 Fire-resistance-rated construction inspection. Where fire-resistance-rated
251 construction is required between dwelling units or due to location on property, the building
252 official shall require an inspection of such construction after lathing or gypsum board or
253 gypsum panel products are in place, but before any plaster is applied, or before board or panel

254 joints and fasteners are taped and finished."

255 (6) In IRC, Section R202, the following definition is added: "ACCESSORY
256 DWELLING UNIT: A habitable living unit created within the existing footprint of a primary
257 owner-occupied single-family dwelling."

258 (7) In IRC, Section R202, the definition for "Approved" is modified by adding the
259 words "or independent third-party licensed engineer or architect and submitted to the building
260 official" after the word "official."

261 (8) In IRC, Section R202, the definition for "Approved Agency" is modified by
262 replacing the word "and" with "or."

263 (9) In IRC, Section 202, the definition for "Approved Source" is modified by adding
264 the words "or licensed engineer or architect" after the word "official."

265 (10) In IRC, Section R202, the following definition is added: "CERTIFIED
266 BACKFLOW PREVENTER ASSEMBLY TESTER: A person who has shown competence to
267 test Backflow prevention assemblies to the satisfaction of the authority having jurisdiction
268 under Utah Code, Subsection [19-4-104\(4\)](#)."

269 (11) In IRC, Section R202, the definition of "Cross Connection" is deleted and
270 replaced with the following: "CROSS CONNECTION. Any physical connection or potential
271 connection or arrangement between two otherwise separate piping systems, one of which
272 contains potable water and the other either water of unknown or questionable safety or steam,
273 gas, or chemical, whereby there exists the possibility for flow from one system to the other,
274 with the direction of flow depending on the pressure differential between the two systems (see
275 "Backflow, Water Distribution")."

276 (12) In IRC, Section 202, the following definition is added: "DUAL SOURCE
277 CONNECTION. A pipe that is installed so that either the nonpotable (i.e. secondary) irrigation
278 water or the potable water is connected to a pressurized irrigation system at one time, but not
279 both at the same time; or a pipe that is installed so that either the potable water or private well
280 water is connected to a residence at one time, but not both at the same time. The potable water
281 supply line shall be protected by a reduced pressure backflow preventer."

282 (13) In IRC, Section 202, the following definition is added: "ENERGY STORAGE
 283 SYSTEM (ESS). One or more devices, assembled together, that are capable of storing energy
 284 for supplying electrical energy at a future time."

285 (14) In IRC, Section 202, in the definition for gray water a comma is inserted after the
 286 word "washers"; the word "and" is deleted; and the following is added to the end: "and clear
 287 water wastes which have a pH of 6.0 to 9.0; are non-flammable; non-combustible; without
 288 objectionable odors; non-highly pigmented; and will not interfere with the operation of the
 289 sewer treatment facility."

290 (15) In IRC, Section R202, the definition of "Potable Water" is deleted and replaced
 291 with the following: "POTABLE WATER. Water free from impurities present in amounts
 292 sufficient to cause disease or harmful physiological effects and conforming to the Utah Code,
 293 Title 19, Chapter 4, Safe Drinking Water Act, and Title 19, Chapter 5, Water Quality Act, and
 294 the regulations of the public health authority having jurisdiction."

295 (16) IRC, Figure R301.2 (3), is deleted and replaced with R301.2 (3) as follows:

296

"TABLE R301.2 (3)			
GROUND SNOW LOADS FOR SELECTED LOCATIONS IN UTAH			
City/Town	County	Ground Snow Load (lb/ft ²)	Elevation (ft)
299 Beaver	Beaver	35	5886
300 Brigham City	Box Elder	42	4423
301 Castle Dale	Emery	32	5669
302 Coalville	Summit	57	5581
303 Duchesne	Duchesne	39	5508
304 Farmington	Davis	35	4318
305 Fillmore	Millard	30	5138
306 Heber City	Wasatch	60	5604
307 Junction	Piute	27	6030
308 Kanab	Kane	25	4964

309	Loa	Wayne	37	7060
310	Logan	Cache	43	4531
311	Manila	Daggett	26	6368
312	Manti	Sanpete	37	5620
313	Moab	Grand	21	4029
314	Monticello	San Juan	67	7064
315	Morgan	Morgan	52	5062
316	Nephi	Juab	39	5131
317	Ogden	Weber	37	4334
318	Panguitch	Garfield	41	6630
319	Parowan	Iron	32	6007
320	Price	Carbon	31	5558
321	Provo	Utah	31	4541
322	Randolph	Rich	50	6286
323	Richfield	Sevier	27	5338
324	St. George	Washington	21	2585
325	Salt Lake City	Salt Lake	28	4239
326	Tooele	Tooele	35	5029
327	Vernal	Uintah	39	5384

Note: To convert lb/ft² to kN/m², multiply by 0.0479. To convert feet to meters, multiply by 0.3048.

1. Statutory requirements of the Authority Having Jurisdiction are not included in this state ground snow load table.

328 2. For locations where there is substantial change in altitude over the city/town, the load applies at and below the cited elevation, with a tolerance of 100 ft (30 m).

3. For other locations in Utah, see Bean, B., Maguire, M., Sun, Y. (2018), "The Utah Snow Load Study," Utah State University Civil and Environmental Engineering Faculty Publications, Paper 3589, <http://utahsnowload.usu.edu/>, for ground snow load values."

329 (17) IRC, Section R301.6, is deleted and replaced with the following: "R301.6 Utah
330 Snow Loads. The snow loads specified in Table R301.2(5b) shall be used for the jurisdictions
331 identified in that table. Otherwise, for other locations in Utah, see Bean, B., Maguire, M., Sun,
332 Y. (2018), "The Utah Snow Load Study," Utah State University Civil and Environmental
333 Engineering Faculty Publications, Paper 3589, <http://utahsnowload.usu.edu/>, for ground snow
334 load values."

335 (18) In IRC, Section R302.2, the following sentence is added at the end of the
336 paragraph: "When an access/maintenance agreement or easement is in place, plumbing,
337 mechanical ducting, schedule 40 steel gas pipe, and electric service conductors including
338 feeders, are permitted to penetrate the common wall at grade, above grade, or below grade."

339 (19) In IRC, Section R302.3, a new exception 3 is added as follows: "3. Accessory
340 dwelling units separated by walls or floor assemblies protected by not less than 1/2-inch (12.7
341 mm) gypsum board or equivalent on each side of the wall or bottom of the floor assembly are
342 exempt from the requirements of this section."

343 (20) In IRC, Section R302.5.1, the last sentence is deleted.

344 (21) IRC, Section R302.13, is deleted.

345 (22) In IRC, Section R303.4, the following exception is added: "Exception: Dwelling
346 units tested in accordance with Section N1102.4.1.2 (R402.4.1.2) which has an air tightness of
347 3.0 ACH (50) or greater do not require mechanical ventilation."

348 (23) In IRC, Section R310.7, in the exception, the words "or accessory dwelling units"
349 are added after the words "sleeping rooms".

350 (24) IRC, Sections R311.7.45 through R311.7.5.3, are deleted and replaced with the
351 following: "R311.7.45.1 Stair treads and risers. R311.7.5.1 Riser height. The maximum riser
352 height shall be 8 inches (203 mm). The riser shall be measured vertically between leading
353 edges of the adjacent treads. The greatest riser height within any flight of stairs shall not
354 exceed the smallest by more than 3/8 inch (9.5 mm).

355 R311.7.5.2 Tread depth. The minimum tread depth shall be 9 inches (228 mm). The
356 tread depth shall be measured horizontally between the vertical planes of the foremost
357 projection of adjacent treads and at a right angle to the tread's leading edge. The greatest tread
358 depth within any flight of stairs shall not exceed the smallest by more than 3/8 inch (9.5 mm).
359 Winder treads shall have a minimum tread depth of 10 inches (254 mm) measured as above at
360 a point 12 inches (305 mm) from the side where the treads are narrower. Winder treads shall
361 have a minimum tread depth of 6 inches (152 mm) at any point. Within any flight of stairs, the
362 greatest winder tread depth at the 12-inch (305 mm) walk line shall not exceed the smallest by
363 more than 3/8 inch (9.5 mm).

364 R311.7.5.3 Nosing. The radius of curvature at the leading edge of the tread shall be no
365 greater than 9/16 inch (14.3 mm). A nosing not less than 3/4 inch (19 mm) but not more than 1
366 1/4 inches (32 mm) shall be provided on stairways with solid risers. The greatest nosing
367 projection shall not exceed the smallest nosing projection by more than 3/8 inch (9.5 mm)
368 between two stories, including the nosing at the level of floors and landings. Beveling of
369 nosing shall not exceed 1/2 inch (12.7 mm). Risers shall be vertical or sloped from the
370 underside of the leading edge of the tread above at an angle not more than 30 degrees (0.51 rad)
371 from the vertical. Open risers are permitted, provided that the opening between treads does not
372 permit the passage of a 4-inch diameter (102 mm) sphere.

373 Exceptions.

- 374 1. A nosing is not required where the tread depth is a minimum of 10 inches (254 mm).
375 2. The opening between adjacent treads is not limited on stairs with a total rise of 30

376 inches (762 mm) or less."

377 (25) IRC, Section R312.2, is deleted.

378 (26) IRC, Sections R313.1 through R313.2.1, are deleted and replaced with the
379 following: "R313.1 Design and installation. When installed, automatic residential fire
380 sprinkler systems for townhouses or one- and two-family dwellings shall be designed and
381 installed in accordance with Section P2904 or NFPA 13D."

382 (27) In IRC, Section R314.2.2, the words "[~~or~~] accessory dwelling units," are added
383 after the words [~~"sleeping rooms"~~]. "Where alterations, repairs."

384 (28) In IRC, Section R315.2.2, the words "[~~or~~] accessory dwelling units," are added
385 after the words [~~"sleeping rooms"~~]. "Where alterations, repairs."

386 (29) In IRC, Section 315.3, the following words are added to the first sentence after the
387 word "installed": "on each level of the dwelling unit and."

388 (30) A new IRC, Section R328.12, is added as follows:

389 "R328.12 Signage. A sign located on the exterior of the dwelling shall be installed at a
390 location approved by the authority having jurisdiction which identifies the battery chemistry
391 included in the ESS. This sign shall be of sufficient durability to withstand the environment
392 involved and shall not be handwritten."

393 (31) In IRC, Section 403.1.3.5.3, an exception is added as follows: "Exception:
394 Vertical steel in footings shall be permitted to be located while concrete is still plastic and
395 before it has set. Where vertical steel resists placement or the consolidation of concrete around
396 steel is impeded, the concrete shall be vibrated to ensure full contact between the vertical steel
397 and concrete."

398 (32) In IRC, Section R403.1.6, a new Exception 3 is added as follows: "3. When
399 anchor bolt spacing does not exceed 32 inches (813 mm) apart, anchor bolts may be placed
400 with a minimum of two bolts per plate section located not less than 4 inches (102 mm) from
401 each end of each plate section at interior bearing walls, interior braced wall lines, and at all
402 exterior walls."

403 (33) In IRC, Section R403.1.6.1, a new exception is added at the end of Item 2 and

404 Item 3 as follows: "Exception: When anchor bolt spacing does not exceed 32 inches (816 mm)
405 apart, anchor bolts may be placed with a minimum of two bolts per plate section located not
406 less than 4 inches (102 mm) from each end of each plate section at interior bearing walls,
407 interior braced wall lines, and at all exterior walls."

408 (34) In IRC, Section R404.1, a new exception is added as follows: "Exception: As an
409 alternative to complying with Sections R404.1 through R404.1.5.3, concrete and masonry
410 foundation walls may be designed in accordance with IBC Sections 1807.1.5 and 1807.1.6 as
411 amended in Section 1807.1.6.4 and Table 1807.1.6.4 under these rules."

412 (35) In IRC, Section R405.1, a second exception is added as follows: "Exception:
413 When a geotechnical report has been provided for the property, a drainage system is not
414 required unless the drainage system is required as a condition of the geotechnical report. The
415 geotechnical report shall make a recommendation regarding a drainage system."

416 (36) In IRC, Section R506.2.3, the words "10-mil (0.010 inch; 0.25 mm)" are deleted
417 and replaced with "6-mil (0.006 inch; 0.152 mm)" and the words "conforming to ASTM E1745
418 Class A requirements" are deleted.

419 Section 4. Section **15A-3-203** is amended to read:

420 **15A-3-203. Amendments to Chapters 6 through 15 of IRC.**

421 (1) IRC, Section 609.4.1, is deleted.

422 (2) In IRC, Section N1101.5 (R103.2), all words after the words "herein governed." are
423 deleted and replaced with the following: "Construction documents include all documentation
424 required to be submitted in order to issue a building permit."

425 (3) In IRC, Section N1101.12 (R303.3), all wording after the first sentence is deleted.

426 (4) In IRC, Section N1101.13 (R401.2), [~~add~~] Exception 2 is added as follows:

427 "2. Exception: A project complies if the project demonstrates compliance, using the
428 software RESCheck 2012 Utah Energy Conservation Code, of:

429 (a) on or after January 1, 2017, and before January 1, 2019, "3 percent better than
430 code";

431 (b) on or after January 1, 2019, and before January 1, 2021, "4 percent better than

432 code"; and

433 (c) after January 1, 2021, "5 percent better than code."

434 (5) In IRC, Table ~~[N1102.2]~~ N1102.1.2 (R402.1.2), in the column titled MASS WALL
435 R-VALUE, a new footnote "j" is added as follows:

436 "j. Log walls complying with ICC400 and with a minimum average wall thickness of 5
437 inches or greater shall be permitted in Zones 5 through 8 when overall window glazing has a
438 .31 U-factor or lower, minimum heating equipment efficiency is 90 AFUE (gas) or 84 AFUE
439 (oil), and all other component requirements are met."

440 (6) In IRC, Table N1102.1.3 (R402.1.3), in the column title WOOD FRAME WALL
441 R-VALUE, a new footnote "j" is added as follows: "j. In climate zone 3 and 5, an R-15, and in
442 climate zone 6, an R-20 shall be acceptable where air-impermeable insulation is installed in the
443 cavity space."

444 [~~(6)~~] (7) In IRC, Sections N1102.2.1 (R402.2.1), a new Section N1102.2.1.1 is added
445 as follows:

446 "N1102.2.1.1. Unvented attic and unvented enclosed rafter assemblies. Unvented attic
447 and unvented enclosed rafter assemblies conforming to Section R806.5 shall be provided with
448 an R-value of R-22 (maximum U-Factor of 0.045) in Climate Zone 3-B or an R-value of R-26
449 (maximum U-factor of 0.038) in Climate Zones 5-B and 6-B provided all the following
450 conditions are met:

451 1. The unvented attic assembly complies with the requirements of the International
452 Residential Code, R806.5.

453 2. The house shall attain a blower door test result < 2.5ACH 50.

454 3. The house shall require a whole house mechanical ventilation system that does not
455 rely solely on a negative pressure strategy (must be positive, balanced or hybrid).

456 4. Where insulation is installed below the roof deck and the exposed portion of roof
457 rafters are not already covered by the R-20 depth of the air-impermeable insulation, the
458 exposed portion of the roof rafters shall be wrapped (covered) by minimum R-3 unless directly
459 covered by drywall/finished ceiling. Roof rafters are not required to be covered by minimum

460 R-3 if a continuous insulation is installed above the roof deck.

461 5. Indoor heating, cooling and ventilation equipment (including ductwork) shall be
462 inside the building thermal envelope."

463 [~~(7)~~] (8) In IRC, Section N1102.4.1 (R402.4.1), in the first sentence, the word "and" is
464 deleted and replaced with the word "or."

465 [~~(8)~~] (9) In IRC, Section N1102.4.1.1 (R402.4.1.1), the last sentence is deleted and
466 replaced with the following: "Where allowed by the code official, the builder may certify
467 compliance to components criteria for items which may not be inspected during regularly
468 scheduled inspections."

469 [~~(9)~~] (10) In IRC, Section N1102.4.1.2 (R402.4.1.2), the following changes are made:

470 (a) In the first sentence:

471 (i) "The building or dwelling unit" is deleted and replaced with "A single-family
472 dwelling";

473 (ii) after January 1, 2019, replace the word "five" with "3.5"; and

474 (iii) the words "in Climate Zones 1 and 2, and three air changes per hour in Climate
475 Zones 3 through 8" are deleted.

476 (b) The following sentence is inserted after the first sentence: "A multi-family dwelling
477 and townhouse shall be tested and verified as having an air leakage rate of not exceeding five
478 air changes per hour."

479 (c) In the third sentence, the word "third" is deleted.

480 (d) The following sentence is inserted after the third sentence: "The following parties
481 shall be approved to conduct testing: Parties certified by BPI or RESNET, or licensed
482 contractors who have completed training provided by Blower Door Test equipment
483 manufacturers or other comparable training."

484 [~~(10)~~] (11) In IRC, Section N1103.3.3 (R403.3.3), the exception for duct air leakage
485 testing is deleted and replaced with the following:

486 (a) on or after January 1, 2017, and before January 1, 2019, with the following:

487 "Exception: The duct air leakage test is not required for systems with all air handlers and at

488 least 65% of all ducts (measured by length) located entirely within the building thermal
489 envelope.";

490 (b) on or after January 1, 2019, and before January 1, 2021, with the following:
491 "Exception: The duct air leakage test is not required for systems with all air handlers and at
492 least 75% of all ducts (measured by length) located entirely within the building thermal
493 envelope."; and

494 (c) on or after January 1, 2021, with the following: "Exception: The duct air leakage
495 test is not required for systems with all air handlers and at least 80% of all ducts (measured by
496 length) located entirely within the building thermal envelope."

497 [~~(11)~~] (12) In IRC, Section N1103.3.3 (R403.3.3), the following is added after the
498 second exception: "The following parties shall be approved to conduct testing: Parties certified
499 by BPI or RESNET, or licensed contractors who have completed either training provided by
500 Duct Test equipment manufacturers or other comparable training."

501 [~~(12)~~] (13) In IRC, Section N1103.3.4 (R403.3.4):

502 (a) in Subsection 1, the number 4 is changed to 8, the number 113.3 is changed to 170,
503 the number 3 is changed to 6, the number 85 is changed to 114.6; and

504 (b) in Subsection 2:

505 (i) on or after January 1, 2017, and before January 1, 2019, the number 4 is changed to
506 8 and the number 113.3 is changed to 226.5;

507 (ii) on or after January 1, 2019, and before January 1, 2021, the number 4 is changed to
508 7 and the number 113.3 is changed to 198.2; and

509 (iii) on or after January 1, 2021, the number 4 is changed to 6 and the number 113.3 is
510 changed to 169.9.

511 [~~(13)~~] (14) In IRC, Section N1103.3.5 (R403.3.5), the words "or plenums" are deleted.

512 [~~(14)~~] (15) In IRC, Section N1103.5.3 (R403.5.3), Subsection 5 is deleted and
513 Subsections 6 and 7 are renumbered.

514 [~~(15)~~] (16) IRC, Section N1103.6.1 (R403.6.1), is deleted and replaced with the
515 following: "N1103.6.1 (R403.6.1) Whole-house mechanical ventilation system fan efficacy.

516 Fans used to provide whole-house mechanical ventilation shall meet the efficacy requirements
 517 of Table N1103.6.1 (R403.6.1).

518 Exception: Where an air handler that is integral to tested and listed HVAC equipment is
 519 used to provide whole-house mechanical ventilation, the air handler shall be powered by an
 520 electronically commutated motor."

521 [~~16~~] (17) In IRC, Section N1103.6.1 (R403.6.1), the table is deleted and replaced
 522 with the following:

523 "TABLE N1103.6.1 (R403.6.1)

524 MECHANICAL VENTILATION SYSTEM FAN EFFICACY

FAN LOCATION	AIR FLOW RATE MINIMUM (CFM)	MINIMUM EFFICACY (CFM/WATT)	AIR FLOW RATE MAXIMUM (CFM)
HRV or ERV	Any	1.2 cfm/watt	Any
Range hoods	Any	2.8 cfm/watt	Any
In-line fan	Any	2.8 cfm/watt	Any
Bathroom, utility room	10	1.4 cfm/watt	<90
Bathroom, utility room	90	2.8 cfm/watt	Any"

531 [~~17~~] (18) In IRC, Section N1106.4 (R406.4), the table is deleted and replaced with
 532 the following:

533 "TABLE N1106.4 (R406.4)

534 MAXIMUM ENERGY RATING INDEX

CLIMATE ZONE	ENERGY RATING INDEX
3	65
5	69
6	68"

539 [~~18~~] (19) In IRC, Section N1103.7₂, the word "approved" is deleted in the first
 540 sentence and the following is added after the word methodologies ", complying with

541 N1103.7.1[~~1~~]."

542 [~~(19)~~] (20) A new IRC, Section N1103.7.1 is added as follows: "N1103.7.1

543 Qualifications. An individual performing load calculations shall be qualified by completing

544 HVAC training from one of the following:

545 1. HVAC load calculation education from ACCA;

546 2. A recognized educational institution;

547 3. HVAC equipment manufacturer's training; or

548 4. Other recognized industry certification."

549 [~~(20)~~] (21) In IRC, Section M1307.2, the words "In Seismic Design Categories D0, D1,

550 and D2, and in townhouses in Seismic Design Category C", are deleted, and in Subparagraph 1,

551 the last sentence is deleted.

552 [~~(21)~~] (22) In IRC, Section M1401.3, the word "approved" is deleted in the first

553 sentence and the following is added after the word methodologies ", complying with

554 M1401.3.1".

555 [~~(22)~~] (23) A new IRC, Section M1401.3.1, is added as follows: "M1401.3.1

556 Qualifications. An individual performing load calculations shall be qualified by completing

557 HVAC training from one of the following:

558 1. HVAC load calculation education from ACCA;

559 2. A recognized educational institution;

560 3. HVAC equipment manufacturer's training; or

561 4. Other recognized industry certification."

562 [~~(23)~~] (24) In IRC, Section M1402.1, the following is added at the end of the second

563 sentence: "or UL/CSA 60335-2-40."

564 [~~(24)~~] (25) In IRC, Section M1403.1, the characters "/ANCE" are deleted.

565 [~~(25)~~] (26) IRC, Section M1411.9, is deleted.

566 [~~(26)~~] (27) In IRC, Section M1412.1, the characters "/ANCE" are deleted.

567 [~~(27)~~] (28) In IRC, Section M1413.1, the characters "/ANCE" are deleted.

568 Section 5. Section **15A-3-204** is amended to read:

569 **15A-3-204. Amendments to Chapters 16 through 25 of IRC.**

570 (1) In IRC, Section M1602.2, a new exception is added at the end of Item [8] 7 as
571 follows: "Exception: The discharge of return air from an accessory dwelling unit into another
572 dwelling unit, or into an accessory dwelling unit from another dwelling unit, is not prohibited."

573 (2) A new IRC, Section G2401.2, is added as follows: "G2401.2 Meter Protection.
574 Fuel gas services shall be in an approved location and/or provided with structures designed to
575 protect the fuel gas meter and surrounding piping from physical damage, including falling,
576 moving, or migrating ice and snow. If an added structure is used, it must provide access for
577 service and comply with the IBC or the IRC."

578 (3) IRC, Section P2503.2, is deleted and replaced with the following: "P2503.2
579 Testing. Reduced pressure principle, double check, pressure vacuum breaker, reduced pressure
580 detector fire protection, double check detector fire protections, and spill-resistant vacuum
581 breaker backflow preventer assemblies shall be tested at the time of installation, immediately
582 after repairs or relocation and at least annually. The Utah Cross-Connection Control
583 Commission has adopted the field test procedures published by the Manual of Cross
584 Connection Control, Tenth Edition. This manual is published by the University of Southern
585 California's Foundation for Cross-Connection Control and Hydraulic Research. Test gauges
586 shall comply with ASSE 1064."

587 (4) In IRC, Section P2503.8, the word "devices" is deleted and replaced with the word
588 "assemblies."

589 Section 6. Section **15A-3-205** is amended to read:

590 **15A-3-205. Amendments to Chapters 26 through 35 of IRC.**

591 (1) IRC, Section P2602.1, is deleted and replaced with the following: "P2602.1
592 General. The water-distribution system of any building or premises where plumbing fixtures
593 are installed shall be connected to a public water supply. Where a potable public water supply
594 is not available, individual sources of potable water supply shall be utilized provided that the
595 source has been developed in accordance with Utah Code Sections [73-3-1](#), [73-3-3](#), and
596 [73-3-25](#), as administered by the Department of Natural Resources, Division of Water Rights. In

597 addition, the quality of the water shall be approved by the local health department having
598 jurisdiction. The source shall supply sufficient quantity of water to comply with the
599 requirements of this chapter.

600 Every building in which plumbing fixtures are installed and all premises having
601 drainage piping shall be connected to a public sewer where the sewer is accessible and is
602 within 300 feet of the property line in accordance with Utah Code Section 10-8-38, or an
603 approved private sewage disposal system in accordance with Utah Administrative Code, Rule
604 R317-4, as administered by the Department of Environmental Quality, Division of Water
605 Quality.

606 Exception: Sanitary drainage piping and systems that convey only the discharge from
607 bathtubs, showers, lavatories, clothes washers, and laundry trays shall not be required to
608 connect to a public sewer or to a private sewage disposal system provided that the piping or
609 systems are connected to a system in accordance with Sections P2910 or P2911."

610 (2) A new IRC, Section P2602.3, is added as follows: "P2602.3 Individual water
611 supply. Where a potable public water supply is not available, individual sources of potable
612 water supply shall be utilized, provided that the source has been developed in accordance with
613 Utah Code, Sections 73-3-1 and 73-3-25, as administered by the Department of Natural
614 Resources, Division of Water Rights. In addition, the quality of the water shall be approved by
615 the local health department having jurisdiction."

616 (3) A new IRC, Section P2602.4, is added as follows: "P2602.4 Sewer required. Every
617 building in which plumbing fixtures are installed and all premises having drainage piping shall
618 be connected to a public sewer where the sewer is accessible and is within 300 feet of the
619 property line in accordance with Utah Code, Section 10-8-38; or an approved private sewage
620 disposal system in accordance with Utah Administrative Code,
621 Chapter 4, Rule R317, as administered by the Department of Environmental Quality, Division
622 of Water Quality."

623 (4) In IRC, Section P2705, Item 5, the words "lavatory" and "lavatories" are deleted.

624 (5) In IRC, Section P2705, a new Item 9 is added as follows: "9. Lavatories. A lavatory

625 shall not be set closer than 12 inches from its center to any side wall or partition. A lavatory
626 shall be provided with a clearance of 24 inches in width and 21 inches in depth in front of the
627 lavatory to any side wall, partition, or obstruction." Remaining item numbers are renumbered
628 accordingly.

629 (6) In IRC, Section P2801.6.2, the following is added at the end of the section: "When
630 permitted by the code official, the pan drain may be directly connected to a soil stack, waste
631 stack, or branch drain. The pan drain shall be individually trapped and vented as required in
632 Section 907.1. The pan drain shall not be directly or indirectly connected to any vent. The trap
633 shall be provided with a trap primer conforming to ASSE 1018 or ASSE 1044, a barrier type
634 floor drain trap seal protection device meeting ASSE 1072, or a deep seal p-trap."

635 (7) A new IRC, Section P2801.6.3, is added as follows: "P2801.6.3 Pan designation. A
636 water heater pan shall be considered an emergency receptor designated to receive the discharge
637 of water from the water heater only and shall not receive the discharge from any other fixtures,
638 devices, or equipment."

639 (8) IRC, Section P2801.8, is deleted and replaced with the following: "P2801.8 Water
640 heater seismic bracing. As a minimum requirement, water heaters shall be anchored or strapped
641 to resist horizontal displacement caused by earthquake motion. Strapping shall be at points
642 within the upper one-third and lower one-third of the appliance's vertical dimensions.

643 (9) In IRC, Section P2804.6.1, a new number 15 is added as follows: "15. Be installed
644 in accordance with the manufacturer's installation instructions, not to exceed 180 degrees in
645 directional changes."

646 (10) A new IRC, Section P2902.1.1, is added as follows: "P2902.1.1 Backflow
647 assembly testing. Reduced pressure principle, double check, pressure vacuum breaker, reduced
648 pressure detector fire protection, double check detector fire protection, and spill-resistant
649 vacuum breaker backflow preventer assemblies shall be tested at the time of installation,
650 immediately after repairs or relocation and at least annually. The Utah Cross Connection
651 Control Commission has adopted the field test procedures published by the Manual of Cross
652 Connection Control, Tenth Edition. This manual is published by the University of Southern

653 California's Foundation for Cross-Connection Control and Hydraulic Research. Test gauges
654 shall comply with ASSE 1064.

655 (11) In IRC, Section P2902.1, the following subsections are added as follows:

656 "P2902.1.2 General Installation Criteria.

657 Assemblies shall not be installed more than five feet above the floor unless a permanent
658 platform is installed. The assembly owner, where necessary, shall provide devices or structures
659 to facilitate testing, repair, and maintenance, and to insure the safety of the backflow
660 technician.

661 [~~P2902.1.2~~] P2902.1.3 Specific Installation Criteria.

662 [~~P2902.1.2~~] P2902.1.3.1 Reduced Pressure Principle Backflow Prevention Assembly.

663 The reduced pressure principle backflow prevention assembly shall be installed as
664 follows:

665 a. The assembly may not be installed in a pit or below grade where the relief port could
666 be submerged in water or where fumes could be present at the relief port discharge.

667 b. The relief valve of the assembly shall not be directly connected to a waste disposal
668 line, including a sanitary sewer, a storm drain, or a vent.

669 c. The assembly shall be installed in a horizontal position only, unless listed or
670 approved for vertical installation in accordance with Section 303.4 of the International
671 Plumbing Code as amended in Utah Code, Subsection [15A-3-303](#)(1).

672 d. The bottom of the assembly shall be installed a minimum of 12 inches above the
673 floor or ground.

674 e. The body of the assembly shall be a minimum of 12 inches from any wall, ceiling, or
675 obstacle, and shall be readily accessible for testing, repair, and maintenance.

676 [~~P2902.1.2.2~~] P2902.1.3.2 Double Check Valve Backflow Prevention Assembly.

677 A double check valve backflow prevention assembly shall be installed as follows:

678 a. The assembly shall be installed in a horizontal position only, unless listed or
679 approved for vertical installation.

680 b. The bottom of the assembly shall be a minimum of 12 inches above the ground or

681 floor.

682 c. The body of the assembly shall be a minimum of 12 inches from any wall, ceiling, or
683 obstacle, and shall be readily accessible for testing, repair, and maintenance.

684 d. If installed in a pit, the assembly shall be installed with a minimum of 12 inches of
685 clearance between all sides of the vault, including the floor and roof or ceiling, with adequate
686 room for testing and maintenance.

687 [~~P2902.1.2.3~~] P2902.1.3.3 Pressure Vacuum Break Assembly and Spill Resistant
688 Pressure Vacuum Breaker Assembly.

689 A pressure vacuum break assembly or a spill resistant pressure vacuum breaker
690 assembly shall be installed as follows:

691 a. The assembly shall not be installed in an area that could be subject to backpressure or
692 back drainage conditions.

693 b. The assembly shall be installed a minimum of 12 inches above all downstream
694 piping and the highest point of use.

695 c. The assembly shall be a minimum of 12 inches from any wall, ceiling, or obstacle,
696 and shall be readily accessible for testing, repair, and maintenance.

697 d. The assembly shall not be installed below ground, in a vault, or in a pit.

698 e. The assembly shall be installed in a vertical position."

699 (12) In IRC, Table 2903.2, the following changes are made in the column titled
700 "MAXIMUM FLOW RATE OR QUANTITY":

701 (a) In the row titled "Lavatory faucet" the text is deleted and replaced with "1.5 gpm at
702 60 psi".

703 (b) In the row titled "Shower head" the text is deleted and replaced with "2 gpm at 80
704 psi".

705 (13) In IRC, Section P2903.3, the words "public water main or an" are deleted and the
706 following sentence is added at the end: "A water pressure booster pump may not be connected
707 to a public water main unless allowed by Utah Administrative Code, Rule R309-540."

708 (14) In IRC, Section 2903.5, at the beginning of the second sentence, insert "If

709 installed,".

710 (15) In IRC, Section P2903.9.3, the first sentence is deleted and replaced with the
711 following: "Unless the plumbing appliance or plumbing fixture has a wall-mount valve, shutoff
712 valves shall be required on each fixture supply pipe to each plumbing appliance and to each
713 plumbing fixture other than bathtubs and showers."

714 (16) IRC, Section P2910.5, is deleted and replaced with the following:

715 "P2910.5 Potable water connections.

716 A system that utilizes nonpotable water (i.e., pressurized irrigation) and installs a
717 connection to the potable water system for backup must install a Reduced Pressure Principle
718 Assembly (RP) directly downstream of the potable water connection (Stop and Waste) and
719 install a "dual source connection" directly downstream from the (RP) installed so that either the
720 potable water system or the nonpotable water is connected at any time to prevent a direct Cross
721 Connection and to protect the potable water from any potential hazard from the nonpotable
722 water system. See Utah Code Section [19-4-112](#). Note: RP must be tested within 10 days of
723 installation and annually whether the drinking water is used or not."

724 (17) IRC, Section P2910.9.5, is deleted and replaced with the following:

725 "P2910.9.5 Makeup water.

726 Where an uninterrupted nonpotable water supply is required for the intended
727 application, potable or reclaimed water shall be provided as a source of makeup water for the
728 storage tank. The makeup water supply shall be protected against backflow by means of an air
729 gap not less than 4 inches (102 millimeters) above the overflow or by a reduced pressure
730 backflow prevention assembly installed in accordance with Section 2902."

731 (18) In IRC, Section P2911.12.4, the following words are deleted: "and backwater
732 valves."

733 (19) In IRC, Section P2912.15.6, the following words are deleted: "and backwater
734 valves."

735 (20) In IRC, Section P3007.3.3.1, the words "stainless steel, cast iron, galvanized steel,
736 brass" are added after the word "PE."

737 (21) IRC, Section P3009, is deleted and replaced with the following:

738 "P3009 Graywater soil absorption systems: Graywater recycling systems utilized for
739 subsurface irrigation for single-family residences shall comply with the requirements of Utah
740 Administrative Code, R317-401, Graywater Systems. Graywater recycling systems utilized for
741 subsurface irrigation for other occupancies shall comply with Utah Administrative Code,
742 R317-3, Design Requirements for Wastewater Collection, Treatment, and Disposal Systems,
743 and Utah Administrative Code, R317-4, Onsite Wastewater Systems."

744 (22) In IRC, Section P3101.4, the following sentence is added at the end of the
745 paragraph: "Vents extending through the wall shall terminate not less than 12 inches from the
746 wall with an elbow pointing downward."

747 (23) In IRC, Section P3104.4, the following sentence is added at the end of the
748 paragraph: "Horizontal dry vents below the flood level rim shall be permitted for floor drain
749 and floor sink installations when installed below grade in accordance with Chapter 30, and
750 Sections P3104.2 and P3104.3. A wall cleanout shall be provided in the vertical vent."

751 Section 7. Section **15A-3-206** is amended to read:

752 **15A-3-206. Amendments to Chapters 36, 37, 39, and 44 and Appendix F of IRC.**

753 (1) In IRC, Section E3601.6.2, a new exception is added as follows:

754 "Exception: An occupant of an accessory dwelling unit is not required to have access to
755 the disconnect serving the dwelling unit in which they reside."

756 (2) IRC, Section E3606.5, is deleted.

757 (3) IRC, Section E3601.7 is deleted and replaced with the following:

758 "3601.7 Maximum number of disconnects. The service disconnecting means shall
759 consist of not more than six switches or six sets of circuit breakers mounted in a single
760 enclosure or in a group of separate enclosures."

761 [~~(3)~~] (4) IRC, Section E3901.4.2, is deleted and replaced with the following:

762 "E3901.4.2 Island and Peninsular Countertops and Work Spaces. Receptacle outlets, if
763 installed to serve an island or peninsular countertop or work surface, shall be installed in
764 accordance with E3901.4.3. If a receptacle outlet is not provided to serve an island or

765 peninsular countertop or work surface, provisions shall be provided at the island or peninsula
766 for future addition of a receptacle outlet to serve the island or peninsular countertop or work
767 surface.

768 [~~(4)~~] (5) IRC, Section E3901.4.3, is deleted and replaced with the following:

769 "E3901.4.3 Receptacle Outlet Location. Receptacle outlets shall be located in one or
770 more of the following:

771 1. On or above, but not more than 20 inches (508 mm) above a countertop or work
772 surface.

773 2. In a countertop using receptacle outlet assemblies listed for use in countertops.

774 3. In a work surface using receptacle outlet assemblies listed for use in work surface or
775 listed for use in countertops.

776 Receptacle outlets rendered not readily accessible by appliances fastened in place,
777 appliance garages, sinks, or range tops as covered in the exception to Section E3901.4.1 or
778 appliances occupying assigned spaces shall not be considered as these required outlets.

779 4. Under the countertop not more than 14 inches from the bottom leading edge of the
780 countertop."

781 [~~(5)~~] (6) In IRC, Section 3902.1, after the word "125-volt" add "single phase 15 and 20
782 ampere" and strike the words "through 250 volt."

783 [~~(6)~~] (7) In IRC, Section 3902.2, after the word "125-volt" add "single phase 15 and 20
784 ampere" and strike the words "through 250 volt."

785 [~~(7)~~] (8) In IRC, Section 3902.3, after the word "125-volt" add "single phase 15 and 20
786 ampere" and strike the words "through 250 volt."

787 [~~(8)~~] (9) In IRC, Section 3902.4, after the word "125-volt" add "single phase 15 and 20
788 ampere" and strike the words "through 250 volt."

789 [~~(9)~~] (10) In IRC, Section 3902.5, after the word "125-volt" add the words "single
790 phase 15 and 20 ampere in unfinished portions of the basement shall have ground-fault
791 circuit-interrupter protection for personnel" and delete the rest of the section.

792 [~~(10)~~] (11) In IRC, Section 3902.6, after the word "125-volt" add "single phase 15 and

793 20 ampere" and strike the words "through 250 volt."
794 ~~[(11)]~~ (12) In IRC, Section 3902.7, after the word "125-volt" add "single phase 15 and
795 20 ampere" and strike the words "through 250 volt."
796 ~~[(12)]~~ (13) In IRC, Section 3902.8, after the word "125-volt" add "single phase 15 and
797 20 ampere" and strike the words "through 250 volt."
798 ~~[(13)]~~ (14) In IRC, Section 3902.9, after the word "125-volt" add "single phase 15 and
799 20 ampere" and strike the words "through 250 volt."
800 ~~[(14)]~~ (15) IRC, Section 3902.10, is deleted.
801 ~~[(15)]~~ (16) In IRC, Section 3902.12, after the word "125-volt" add "single phase 15 and
802 20 ampere" and strike the words "through 250 volt."
803 ~~[(16)]~~ (17) In IRC, Section 3902.13, after the word "125-volt" add "single phase 15 and
804 20 ampere" and strike the words "through 250 volt."
805 (18) IRC, Section 3902.15, Crawl space lighting outlets, is deleted.
806 ~~[(17)]~~ (19) IRC, Section ~~[E3902.16]~~ 3902.16, Equipment requiring servicing, is
807 deleted.
808 ~~[(18)]~~ (20) IRC Section ~~[E3902.17]~~ 3902.17, Outdoor outlets, is deleted.
809 ~~[(19) IRC, Section E3902.18 is deleted.]~~
810 (21) IRC, Section 3902.19, Location of arc-fault circuit interrupters, is deleted.
811 (22) IRC, Section E3902.20, Arc-fault circuit interrupter protection, is deleted.
812 (23) IRC, Section E3902.21, Arc-fault circuit-interrupter protection for branch circuit
813 extensions or modification, is deleted.
814 ~~[(20)]~~ (24) IRC, Chapter 44, is amended by deleting the standard for "ANCE."
815 ~~[(21)]~~ (25) In IRC, Chapter 44, the standard for ASHRAE is amended by changing
816 "34-2013" to "34-2019."
817 ~~[(22)]~~ (26) In IRC, Chapter 44, the standard for CSA, is amended by changing the:
818 (a) standard reference number "UL/CSA/ANCE 60335-2-40-2012" to "UL/CSA
819 60335-2-40-2019"; and
820 (b) title "Standard for Household and Similar Electrical Appliances, Part 2: Particular

821 Requirements for Motor-Compressors" to "Standard for Household and Similar Electrical
 822 Appliances, Part 2-40, Requirements for Electric Heat Pumps, Air Conditioners and
 823 Dehumidifiers-3rd Edition."

824 ~~[(23)]~~ (27) In IRC, Chapter 44, the standard for UL, is amended by changing the:

825 (a) standard reference number "1995-2011" to "1995-2015";

826 (b) standard reference number "UL/CSA/ANCE 60335-2-40-2012" to "UL/CSA
 827 60335-2-40-2019"; and

828 (c) title "Standard for Household and Similar Electrical Appliances, Part 2: Particular
 829 Requirements for Motor-Compressors" to "Standard for Household and Similar Electrical
 830 Appliances, Part 2-40, Requirements for Electric Heat Pumps, Air Conditioners and
 831 Dehumidifiers-3rd Edition."

832 ~~[(24)]~~ (28) IRC, Chapter 44, is amended by adding the following reference standard:

833 "Standard reference number	Title	Referenced in code section number
USC-FCCCHR 10th Edition Manual of 834 Cross Connection Control	Foundation for Cross-Connection Control and Hydraulic Research University of Southern California Kaprielian Hall 300 Los Angeles CA 90089-2531	Table P2902.3"

835 ~~[(25)]~~ (29) ~~[In]~~ IRC, Chapter 44, is amended by adding the following reference
 836 standard: "UL 9540-20: Energy Storage Systems and Equipment; R328.1, R328.2, and
 837 R328.6."

838 ~~[(26)]~~ (30) (a) When passive radon controls or portions thereof are voluntarily
 839 installed, the voluntary installation shall comply with Appendix F of the IRC.

840 (b) An additional inspection of a voluntary installation described in Subsection
 841 ~~[(22)(a)]~~ (26)(a) is not required.

842 Section 8. Section **15A-3-402** is amended to read:

843 **15A-3-402. Amendments to Chapters 1 through 5 of IMC.**

844 (1) In IMC, Table 403.3.1.1, note "h_" is deleted and replaced with the following:

845 "h. 1. A nail salon shall provide each manicure station where a nail technician files or
846 shapes an acrylic nail, as defined by rule by the Division of Professional Licensing, in
847 accordance with Title 63G, Chapter 3, Utah Administrative Rulemaking Act, with:

848 a. a source capture system equipped with, at minimum, a MERV 8 particulate filter and
849 an activated carbon filter that is capable of filtering and recirculating air to inside space at a
850 rate not less than 50 cfm per station; or

851 b. a source capture system capable of exhausting not less than 50 cfm per station.

852 c. A nail salon that complies with Note h. 1a or h. 1b is not required to comply with the
853 labeling, listing, or testing requirements described in International Mechanical Code sections
854 301.7 or 301.8.

855 2. For a source capture system described in paragraph 1, the source capture system
856 inlets for exhausting or recirculating air shall be located in accordance with Section 502.20.

857 3. Where one or more exhausting source capture systems described in paragraph 1
858 operate continuously during occupancy, the source capture system exhaust rate shall be
859 permitted to be applied to the exhaust flow rate required by Table 403.3.1.1 for the nail salon.

860 4. The requirements of this note apply to:

861 a. an existing nail salon that remodels the nail salon after July 1, 2017;

862 b. a new nail salon that begins construction after July 1, 2017; and

863 c. all nail salons beginning on July 1, 2020."

864 (2) [H] IMC, Section 502.20 is deleted and rewritten as follows:

865 "502.20 Manicure stations. A nail salon that files or shapes an acrylic nail shall provide
866 each manicure station with a source capture system in accordance with Table 403.3.1.1, note h.
867 For a manicure table that does not have factory-installed source capture system inlets for
868 recirculating or exhausting air, a nail salon shall provide the manicure table with inlets for
869 recirculating or exhausting air located not more than 12 inches (305 mm) horizontally and
870 vertically from the point of any acrylic chemical application.

871 Exception: Section 502.20 applies to a manicure station in:

- 872 a. an existing nail salon that remodels the nail salon after July 1, 2017;
- 873 b. a new nail salon that begins construction after July 1, 2017; and
- 874 c. all nail salons beginning on July 1, 2020."

875 (3) In IMC, Section 908.1, the following words are added at the end of the last
 876 sentence: "or UL/CSA 60335-2-40."

877 (4) In IMC, Section 918.1, the following words are added after "1995": "or UL/CSA
 878 60335-2-40."

879 (5) In IMC, Section 918.2, the following words are added at the end of the sentence:
 880 "or UL/CSA 60335-2-40."

881 [~~(6)~~] In IMC, Section 1101.2, the words "~~471 or 1995~~" are deleted and replaced with
 882 "~~471, 1995, or UL/CSA 60335-2-40.~~"

883 [(7)] (6) In IMC, Section 1101.6, the following sentence is added at the end of the
 884 paragraph: "High probability systems utilizing A2L refrigerants shall comply with ASHRAE
 885 15."

886 [(8)] (7) [In] IMC, Chapter 15 is amended by adding the following referenced standard
 887 to CSA:

888 "Standard reference number	Title	Referenced in code section number
CSA: CSA C22.2 60335-2-40-2019	Standard for Household and Similar Electrical Appliances, Part 2-40: Particular Requirements for Electrical Heat Pumps, Air-Conditioners and Dehumidifiers - 3rd Edition	M1403.1, M1412.1, M1413.1"

890 [(9)] (8) [In] IMC, Chapter 15 is amended by adding the following referenced standard
 891 to UL:

892 "Standard reference number	Title	Referenced in code section number
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UL: 60335-2-40-2019 Standard for Household and Similar M1403.1, M1412.1,
Electrical Appliances, Part 2-40: M1413.1"
893 Particular Requirements for Electrical
Heat Pumps, Air-Conditioners and
Dehumidifiers - 3rd Edition

894 Section 9. Section **15A-3-601** is amended to read:

895 **15A-3-601. General provisions.**

896 The following are adopted as amendments to the NEC to be applicable statewide:

897 (1) The IRC provisions are adopted as the residential electrical standards applicable to
898 residential installations under the IRC. All other installations shall comply with the adopted
899 NEC.

900 (2) In NEC, Section 210.8(A), the words "through 250-volt" are deleted.

901 (3) In NEC, Section 210.8(A)(5), the word "Basements" is deleted and replaced with
902 "Unfinished portions or areas of the basement not intended as habitable rooms."

903 (4) ~~[H]~~ NEC, Section 210.8(F), is deleted.

904 (5) NEC, Sections 210.52(C)(2) and (3) are deleted and replaced with the following:

905 "210.52(C)(2) Island and peninsular countertops and Work Surfaces. Receptacle
906 outlets, if installed to serve an island or peninsular countertop or work surface, shall be
907 installed in accordance with 210.52(C)(3). If a receptacle outlet is not provided to serve an
908 island or peninsular countertop or work surface, provisions shall be provided at the island or
909 peninsula for future addition of a receptacle outlet to serve the island or peninsular countertop
910 or work surface.

911 210.2(C)(3) Receptacle outlet location. Receptacle outlets shall be located in one or
912 more of the following:

913 ~~[H]~~ (a) On or above, but not more than 500 mm (20 inches) above a countertop or
914 work surface.

915 ~~[H]~~ (b) In a countertop using receptacle assemblies listed for use in countertops.

916 ~~[(3)]~~ (c) In a work surface using receptacle outlet assemblies listed for use in work
917 surfaces or listed for use in countertops.

918 Receptacle outlets rendered not readily accessible by appliances fastened in place,
919 appliance garages, sinks, or range tops as covered in the exception to 210.52(C)(1), occupying
920 assigned spaces shall not be considered as these required outlets.

921 Exception: In dwelling units designed to be accessible to persons with disabilities,
922 receptacles shall be permitted to be installed not more than 300 mm (12 inches) below the
923 countertop or work surface. Receptacles installed below a countertop or work surface shall not
924 be located where the countertop or work surface extends more than 150 mm (6 inches) beyond
925 its support or base."

926 (6) NEC, Section 210.12, is deleted.

927 (7) NEC, Section 210.65, is deleted.

928 (8) ~~[H]~~ NEC, Section 230.67, is deleted.

929 (9) NEC, Section 230.71, is deleted and replaced with the following:

930 "230.71 Maximum Number of Disconnects.

931 (A) General. The service disconnecting means for each service permitted by 230.2, or
932 for each set of service-entrance conductors permitted by 230.40, Exception No. 1, 3, 4, or 5
933 shall consist of not more than six switches or sets of circuit breakers, or a combination of not
934 more than six switches and sets of circuit breakers, mounted in a single enclosure, in a group of
935 separate enclosures, or in or on a switchboard or in switchgear. There shall be not more than
936 six sets of disconnects per service grouped in any one location. For the purpose of this section,
937 disconnecting means installed as part of listed equipment and used solely for the following
938 shall not be considered a service disconnecting means:

939 (1) Power monitoring equipment;

940 (2) Surge-protective device(s);

941 (3) Control circuit of the ground-fault protection system; or

942 (4) Power-operable service disconnecting.

943 (B) Single-Pole Units. Two or three single-pole switches or breakers, capable of

944 individual operation, shall be permitted on multiwire circuits, one pole for each ungrounded
945 conductor, as one multipole disconnect, provided they are equipped with identified handle ties
946 or a master handle to disconnect all conductors of the service with no more than six operations
947 of the hand.

948 (C) Beginning on July 1, 2027, Section 230.71(B) is no longer in effect.

949 [~~9~~] (10) [H] NEC, Section 314.27(C), is deleted and replaced with the following:

950 "314.27(C) Boxes at Ceiling-Suspended (Paddle) Fan Outlets. Outlet boxes or outlet box
951 systems used as the sole support of a ceiling-suspended (paddle) fan shall be listed, shall be
952 marked by their manufacturer as suitable for this purpose, and shall not support
953 ceiling-suspended (paddle) fans that weigh more than 32 kg (70 lb). For outlet boxes or outlet
954 box systems designed to support ceiling-suspended (paddle) fans that weigh more than 16 kg
955 (35 lb), the required marking shall include the maximum weight to be supported."

956 [~~10~~] (11) [H] NEC, Section 406.9(C), is deleted and replaced with the following:

957 "406.9(C) Bathtub and Shower Space. Receptacles shall not be installed within or directly over
958 a bathtub or shower stall."

959 Section 10. Section **15A-3-801** is amended to read:

960 **15A-3-801. General provisions.**

961 The following are adopted as amendments to the IEBC and are applicable statewide:

962 (1) In Section 202, the following definition is added: "BUILDING OFFICIAL. See
963 Code [~~Official~~] official."

964 (2) In Section 202, the definition for "[~~code~~] Code official" is deleted and replaced
965 with the following:

966 "CODE OFFICIAL. The officer or other designated authority having jurisdiction
967 (AHJ) charged with the administration and enforcement of this code."

968 (3) In Section 202, the definition for [~~existing~~] "Existing buildings" is deleted and
969 replaced with the following:

970 "EXISTING BUILDING. A building that is not a dangerous building and that was
971 either lawfully erected under a prior adopted code, or deemed a legal non-conforming building

972 by the code official."

973 (4) In Section 301.3, the exception is deleted.

974 [~~(5) In Section 305.4.2, number 7 is added after number 6 as follows: "7. When a~~
975 ~~change of occupancy in a building or portion of a building results in a Group R-2 occupancy,~~
976 ~~not less than 20% of the dwelling or sleeping units shall be Type-B dwelling or sleeping units.~~
977 ~~These dwelling or sleeping units may be located on any floor of the building provided with an~~
978 ~~accessible route. Two percent, but not less than one unit, of the dwelling or sleeping units shall~~
979 ~~be Type-A dwelling units."]~~

980 [(6)] (5) Section 503.6 is deleted and replaced with the following:

981 "503.6 Bracing for unreinforced masonry parapets and other appendages upon
982 reroofing.

983 Where the intended alteration requires a permit for reroofing and involves removal of
984 roofing materials from more than 25% of the roof area of a building assigned to Seismic
985 Design Category D, E, or F that has parapets constructed of unreinforced masonry or
986 appendages such as cornices, spires, towers, tanks, signs, statuary, etc., the work shall include
987 installation of bracing to resist out-of-plane seismic forces, unless an evaluation demonstrates
988 compliance of such items. Reduced seismic forces are permitted for design purposes."

989 [~~(7) In Section 705.1, Exception number 3, the following is added at the end of the~~
990 ~~exception:]~~

991 [~~"This exception does not apply if the existing facility is undergoing a change of~~
992 ~~occupancy classification."]~~

993 [(8)] (6) Section 706.3.1 is deleted and replaced with the following:

994 "706.3.1 Bracing for unreinforced masonry bearing wall parapets and other appendages.

995 Where a permit is issued for reroofing more than 25 percent of the roof area of a
996 building assigned to Seismic Design Category D, E, or F that has parapets constructed of
997 unreinforced masonry or appendages such as cornices, spires, towers, tanks, signs, statuary,
998 etc., the work shall include installation of bracing to resist the reduced International Building
999 Code level seismic forces as specified in Section 303 of this code unless an evaluation

1000 demonstrates compliance of such items."

1001 [~~9~~] (7) Section 906.6 is deleted and replaced with the following:

1002 "906.6 Bracing for unreinforced masonry parapets and other appendages upon
1003 reroofing.

1004 Where the intended alteration requires a permit for reroofing and involves removal of
1005 roofing materials from more than 25% of the roof area of a building assigned to Seismic
1006 Design Category D, E, or F that has parapets constructed of unreinforced masonry or
1007 appendages such as cornices, spires, towers, tanks, signs, statuary, etc., the work shall include
1008 installation of bracing to resist out-of-plane seismic forces, unless an evaluation demonstrates
1009 compliance with such items. Reduced seismic forces are permitted for design purposes."

1010 [~~10~~] (8) (a) Section 1006.3 is deleted and replaced with the following:

1011 "1006.3 Seismic [~~Loads~~] loads. Where a change of occupancy results in a building
1012 being assigned to a higher risk category, or when a change of occupancy results in a design
1013 occupant load increase of 100% or more, the building shall satisfy the requirements of Section
1014 1613 of the International Building Code using full seismic forces."

1015 (b) In Section 1006.3, exceptions 1 through [~~3~~] 4 remain unchanged.

1016 (c) In Section 1006.3, add a new exception 5 as follows:

1017 [~~u~~] "5. Where the design occupant load increase is less than 25 occupants and the
1018 occupancy category does not change."

1019 [~~11~~] (9) In Section [~~1012.7.3~~] 1011.7.3, exception 2 is deleted.

1020 Section 11. Section **15A-5-103** is amended to read:

1021 **15A-5-103. Nationally recognized codes incorporated by reference.**

1022 The following codes are incorporated by reference into the State Fire Code:

1023 (1) the International Fire Code, 2021 edition, excluding appendices, as issued by the
1024 International Code Council, Inc., except as amended by Part 2, Statewide Amendments and
1025 Additions to International Fire Code Incorporated as Part of State Fire Code;

1026 (2) National Fire Protection Association, NFPA 1, Chapter 38, Marijuana Growing,
1027 Processing, and Extraction Facilities, 2018 edition;

1028 (3) National Fire Protection Association, NFPA 54, National Fuel Gas Code, 2021
1029 edition; and

1030 (4) National Fire Protection Association, NFPA 58, Liquefied Petroleum Gas Code,
1031 [2023] 2024 edition.

1032 Section 12. Section **15A-5-202** is amended to read:

1033 **15A-5-202. Amendments and additions to IFC related to administration, permits,**
1034 **definitions, and general and emergency planning.**

1035 (1) For IFC, Chapter 1, Scope and Administration:

1036 (a) IFC, Chapter 1, Section 102.5, is deleted and rewritten as follows:

1037 "102.5 Application of residential code.

1038 If a structure is designed and constructed in accordance with the International
1039 Residential Code, the provisions of this code apply only as follows:

1040 1. The construction and design provisions of this code apply only to premises
1041 identification, fire apparatus access, fire hydrants and water supplies, and construction permits
1042 required by Section 105.7.

1043 2. This code does not [~~supersede~~] supersede the land use, subdivision, or development
1044 standards established by a local jurisdiction.

1045 3. The administrative, operational, and maintenance provisions of this code apply."

1046 (b) IFC, Chapter 1, Section 102.9, is deleted and rewritten as follows:

1047 "102.9 Matters not provided for.

1048 Requirements that are essential for the public safety of an existing or proposed activity,
1049 building or structure, or for the safety of the occupants thereof, which are not specifically
1050 provided for by this code, shall be determined by the fire code official on an emergency basis
1051 if:

1052 (a) the facts known to the fire code official show that an immediate and significant
1053 danger to the public health, safety, or welfare exists; and

1054 (b) the threat requires immediate action by the fire code official.

1055 102.9.1 Limitation of emergency order.

1056 In issuing its emergency order, the fire code official shall:

1057 (a) limit the order to require only the action necessary to prevent or avoid the danger to
1058 the public health, safety, or welfare; and

1059 (b) give immediate notice to the persons who are required to comply with the order, that
1060 includes a brief statement of the reasons for the fire code official's order.

1061 101.9.2 Right to appeal emergency order.

1062 If the emergency order issued under this section will result in the continued
1063 infringement or impairment of any legal right or interest of any party, the party shall have a
1064 right to appeal the fire code official's order in accordance with IFC, Chapter 1, Section 109."

1065 (c) IFC, Chapter 1, Section 106.1, Submittals, is amended to add the following after the
1066 last sentence:

1067 "Fire sprinkler system layout shall be prepared and submitted by a person certified by
1068 the National Institute for Certification in Engineering Technologies at level III or IV in
1069 Water-Based System Layout. Fire alarm system layout shall be prepared and submitted by a
1070 person certified by the National Institute for Certification in Engineering Technologies at level
1071 III or IV in Fire Alarm Systems."

1072 (d) IFC, Chapter 1, Section 105.5.18, Flammable and combustible liquids, is amended
1073 to add the following section: "12. The owner of an underground tank that is out of service for
1074 longer than one year shall receive a Temporary Closure Notice from the Department of
1075 Environmental Quality and a copy shall be given to the AHJ."

1076 (e) In IFC, Chapter 1, Section 102.5, a new subsection 3. is added as follows:

1077 "3. For development regulated by a local jurisdiction's land use authority, the fire code
1078 official's interpretation of this code is subject to the advisory opinion process described in Utah
1079 Code, Section [13-43-205](#), and to a land use appeal authority appointed under Utah Code,
1080 Section [10-9a-701](#) or [17-27a-701](#)."

1081 (f) In IFC, Chapter 1, Section 111, a new Section 111.5, Notice of right to appeal, is
1082 added as follows: "At the time a fire code official makes an order, decision, or determination
1083 that relates to the application or interpretation of this chapter, the fire code official shall inform

1084 the person affected by the order, decision, or determination of the person's right to appeal under
1085 this section. Upon request, the fire code official shall provide a person affected by an order,
1086 decision, or determination that relates to the application or interpretation of this chapter a
1087 written notice that describes the person's right to appeal under this section."

1088 (2) For IFC, Chapter 2, Definitions:

1089 (a) In IFC, Chapter 2, Section 202, General Definitions, the following definition is
1090 added for Ambulatory Surgical Center: "AMBULATORY SURGICAL CENTER. A building
1091 or portion of a building licensed by the Department of Health and Human Services where
1092 procedures are performed that may render patients incapable of self preservation where care is
1093 less than 24 hours. See Utah Administrative Code, R432-13, Freestanding Ambulatory Surgical
1094 Center Construction Rule."

1095 (b) In IFC, Chapter 2, Section 202, General Definitions, APPROVED is modified by
1096 adding the words "or independent third-party licensed engineer or licensed architect and
1097 submitted to the fire code official" after the word "official."

1098 [~~(b)~~] (c) In IFC, Chapter 2, Section 202, General Definitions, the following definition
1099 is added for Assisted Living Facility, Residential Treatment and Support[-]: "ASSISTED
1100 LIVING FACILITY, RESIDENTIAL TREATMENT AND SUPPORT[-]. A residential facility
1101 that provides a group living environment for four or more residents licensed by the Department
1102 of Health and Human Services and provides a protected living arrangement for ambulatory,
1103 non-restrained persons who are capable of achieving mobility sufficient to exit the facility
1104 without the physical assistance of another person.

1105 ASSISTED LIVING FACILITY, TYPE I. A residential facility licensed by the
1106 Department of Health and Human Services that provides a protected living arrangement,
1107 assistance with activities of daily living and social care to two or more ambulatory,
1108 non-restrained persons who are capable of mobility sufficient to exit the facility without the
1109 assistance of another person.

1110 ASSISTED LIVING FACILITY, TYPE II. A residential facility licensed by the
1111 Department of Health and Human Services that provides an array of coordinated supportive

1112 personal and health care services to two or more residents who are:

1113 A. Physically disabled but able to direct his or her own care; or

1114 B. Cognitively impaired or physically disabled but able to evacuate from the facility, or
1115 to a zone or area of safety, with the physical assistance of one person.

1116 Subcategories are:

1117 ASSISTED LIVING FACILITY, LIMITED CAPACITY: A Type I or Type II assisted
1118 living facility having two to five residents.

1119 ASSISTED LIVING FACILITY, SMALL: A Type I or Type II assisted living facility
1120 having six to sixteen residents.

1121 ASSISTED LIVING FACILITY, LARGE: A Type I or Type II assisted living facility
1122 having more than sixteen residents."

1123 ~~(e)~~ (d) In IFC, Chapter 2, Section 202, General Definitions, the definition for Child
1124 Care Facility is added as follows: "CHILD CARE FACILITY: A facility where care and
1125 supervision is provided for four or more children for less than 24 hours a day and for direct or
1126 indirect compensation in place of care ordinarily provided in their home."

1127 (e) In IFC, Chapter 2, Section 202, General Definitions, the definition for Independent
1128 Third-Party is added as follows: "INDEPENDENT THIRD-PARTY. An engineer or architect
1129 licensed in the State of Utah, who is not affiliated with the jurisdiction or the project owner,
1130 developer, architect, or engineer, and is agreeable to all parties. The independent third-party
1131 will provide unbiased assessments, opinions, or services based on their expertise and
1132 professional standards in their respective fields."

1133 ~~(f)~~ (f) IFC, Chapter 2, Section 202, General Definitions, OCCUPANCY
1134 CLASSIFICATION, Educational Group E, Group E, day care facilities, is deleted and replaced
1135 with the following:

1136 "Group E, Child Care Facilities. This group includes buildings and structures or
1137 portions thereof occupied by four or more children 2 years of age or older who receive
1138 educational, supervision, child care services or personal care services for fewer than 24 hours
1139 per day. See Section 429, Day Care, for special requirements for day care.

1140 Within Places of Religious Worship. Rooms and spaces within places of religious
1141 worship providing such day care during religious functions shall be classified as part of the
1142 primary occupancy.

1143 Four or Fewer Children. A facility having four or fewer children receiving such day
1144 care shall be classified as part of the primary occupancy.

1145 Four or Fewer Children in a Dwelling Unit. A facility such as the above within a
1146 dwelling unit and having four or fewer children receiving such day care shall be classified as a
1147 Group R-3 occupancy or shall comply with the International Residential Code.

1148 Child Day Care - Residential Child Care Certificate or a License. Areas used for child
1149 day care purposes with a residential child care certificate, as described in Utah Administrative
1150 Code, R430-50, Residential Certificate Child Care, or a residential child care license, as
1151 described in Utah Administrative Code, R430-90, Licensed Family Child Care, may be located
1152 in a Group R-2 or R-3 occupancy as provided in the International Building Code, Sections
1153 310.3 and 310.4, or shall comply with the International Residential Code, Section R101.2.

1154 Child Care Centers. Each of the following areas may be classified as accessory
1155 occupancies, if the area complies with the International Building Code, Section 508.2:

1156 1. Hourly child care center, as described in Utah Administrative Code, R381-60,
1157 Hourly Child Care Centers;

1158 2. Child care centers, as described in Utah Administrative Code, R381-100, Child Care
1159 Centers;

1160 3. Out-of-school-time programs, as described in Utah Administrative Code, R381-70,
1161 Out of School Time Child Care Programs; and

1162 4. Commercial preschools, as described in Utah Administrative Code, R381-40,
1163 Commercial Preschool Programs."

1164 [(e)] (g) In IFC, Chapter 2, Section 202, General Definitions, OCCUPANCY
1165 CLASSIFICATION, Institutional Group I-1, is amended as follows: In the list of items under
1166 "This group shall include," the words "Type-I Large and Type-II Small, see the International
1167 Building Code, Section 308.2.5" are added after "Assisted living facilities."

1168 [~~(f)~~] (h) In IFC, Chapter 2, Section 202, General Definitions, OCCUPANCY
1169 CLASSIFICATION, Institutional Group I-1, Five or fewer persons receiving custodial care is
1170 amended as follows: On line four after "International Residential Code" the rest of the section
1171 is deleted.

1172 [~~(g)~~] (i) IFC, Chapter 2, Section 202, General Definitions, OCCUPANCY
1173 CLASSIFICATION, Institutional Group I-2, is deleted and replaced with the following:
1174 "Institutional Group I-2. Institutional Group I-2 occupancy shall include buildings and
1175 structures used for medical care on a 24-hour basis for more than four persons who are
1176 incapable of self-preservation. This group shall include, but not be limited to the following:

1177 Assisted living facilities, Type-II Large, see Section 308.3.3

1178 Child care facilities

1179 Foster care facilities

1180 Detoxification facilities

1181 Hospitals

1182 Nursing homes (both intermediate care facilities and skilled nursing facilities)

1183 Psychiatric hospitals."

1184 [~~(h)~~] (j) In IFC, Chapter 2, Section 202, General Definitions, OCCUPANCY

1185 CLASSIFICATION, Institutional Group I-2, a new section is added as follows:

1186 "Assisted Living Facilities. A Type I, Large assisted living facility is classified as
1187 occupancy Group I-1, Condition 1. A Type II, Small assisted living facility is classified as
1188 occupancy Group I-1, Condition 2. See Section 202 for definitions."

1189 [~~(i)~~] (k) IFC, Chapter 2, Section 202, General Definitions, OCCUPANCY

1190 CLASSIFICATION, Institutional Group I-4, day care facilities, Classification as Group E, Five
1191 or fewer persons receiving care, and Five or fewer occupants receiving care in a dwelling unit
1192 are deleted and replaced with the following:

1193 "Classification as Group E. A child day care facility that provides care for five or more
1194 but not more than 100 children under two years of age, where the rooms in which the children
1195 are cared for are located on a level of exit discharge serving such rooms and each of these child

1196 care rooms has an exit door directly to the exterior, shall be classified as a Group E. See the
1197 International Building Code, Section 429 for special requirements for Day Care.

1198 Four or Fewer Persons Receiving Care. A facility having four or fewer persons
1199 receiving custodial care shall be classified as part of the primary occupancy. See the
1200 International Building Code, Section 429, for special requirements for Day Care.

1201 Four or Fewer Persons Receiving Care in a Dwelling Unit. A facility such as the above
1202 within a dwelling unit and having four or fewer persons receiving custodial care shall be
1203 classified as a Group R-3 occupancy or shall comply with the International Residential Code.
1204 See the International Building Code, Section 429, for special requirements for Day Care."

1205 ~~(j)~~ (l) IFC, Chapter 2, Section 202, General Definitions, OCCUPANCY
1206 CLASSIFICATION, Residential Group R-3, is deleted and replaced with the following:

1207 "Residential Group R-3. Residential Group R-3 occupancies and single family
1208 dwellings complying with the International Residential Code where the occupants are primarily
1209 permanent in nature and not classified as Group R-1, R-2, R-4, or I occupancies, including:

1210 Assisted Living Facilities, Type-I, limited capacity, see Section 310.5.3

1211 Buildings that do not contain more than two dwellings

1212 Care facilities, other than child care, that provide accommodations for five or fewer
1213 persons receiving care

1214 Congregate living facilities (nontransient) with 16 or fewer occupants

1215 Boarding houses (nontransient)

1216 Convents

1217 Dormitories

1218 Fraternities and sororities

1219 Monasteries

1220 Congregate living facilities (transient) with 10 or fewer occupants

1221 Boarding houses (transient)

1222 Lodging houses (transient) with five or fewer guest rooms and 10 or fewer occupants"

1223 ~~(k)~~ (m) IFC, Chapter 2, Section 202, General Definitions, OCCUPANCY

1224 CLASSIFICATION, Residential Group R-3, Care facilities within a dwelling, is deleted and
1225 replaced with the following: "Care Facilities within a Dwelling. Care facilities, other than child
1226 care, for five or fewer persons receiving care that are within a single family dwelling are
1227 permitted to comply with the International Residential Code. See the International Building
1228 Code, Section 429, for special requirements for Child Day Care."

1229 [~~(f)~~] (n) In IFC, Chapter 2, Section 202, General Definitions, OCCUPANCY

1230 CLASSIFICATION, Residential Group R-3, a new section is added as follows: "Child Care.
1231 Areas used for child care purposes may be located in a residential dwelling unit when all of the
1232 following conditions are met:

1233 1. Compliance with Utah Administrative Code, R710-8, Day Care Rules, as enacted
1234 under the authority of the Utah Fire Prevention Board;

1235 2. Use is approved by the Department of Health and Human Services under the
1236 authority of Utah Code, Title 26B, Chapter 2, Part 4, Child Care Licensing, and in any of the
1237 following categories:

1238 1.1. Utah Administrative Code, R430-50, Residential Certificate Child Care; or

1239 1.2. Utah Administrative Code, R430-90, Licensed Family Child Care; and

1240 1.3 Compliance with all zoning regulations of the local regulator."

1241 [~~(m)~~] (o) In IFC, Chapter 2, Section 202, General Definitions, OCCUPANCY

1242 CLASSIFICATION, Residential Group R-3, a new section is added as follows:

1243 "Assisted Living Facilities. Type I assisted living facilities with two to five residents are
1244 Limited Capacity facilities classified as a Residential Group R-3 occupancy or are permitted to
1245 comply with the International Residential Code. See Section 202 for definitions."

1246 [~~(n)~~] (p) In IFC, Chapter 2, Section 202, General Definitions, OCCUPANCY

1247 CLASSIFICATION, Residential Group R-4, the words "Type II Limited Capacity and Type I
1248 Small, see R-4 Assisted Living Facility Occupancy Groups" are added after the words
1249 "Assisted Living Facilities."

1250 [~~(o)~~] (q) In IFC, Chapter 2, Section 202, General Definitions, OCCUPANCY

1251 CLASSIFICATION, Residential Group R-4, a new section is added as follows: "Group R-4 -

1252 Assisted Living Facility Occupancy Groups. The following occupancy groups shall apply to
1253 Assisted Living Facilities:

1254 Type II Assisted Living Facilities with two to five residents are Limited Capacity
1255 Facilities classified as a Residential Group R-4, Condition 2 occupancy.

1256 Type I assisted living facilities with six to sixteen residents are Small Facilities
1257 classified as Residential Group R-4, Condition 1 occupancies. See Section 202 for definitions."

1258 Section 13. Section **15A-5-203** is amended to read:

1259 **15A-5-203. Amendments and additions to IFC related to fire safety, building, and**
1260 **site requirements.**

1261 (1) For IFC, Chapter 5, Fire Service Features:

1262 (a) In IFC, Chapter 5, a new Section 501.5, Access grade and fire flow, is added as
1263 follows: "An authority having jurisdiction over a structure built in accordance with the
1264 requirements of the International Residential Code as adopted in the State Construction Code,
1265 may require an automatic fire sprinkler system for the structure only by ordinance and only if
1266 any of the following conditions exist:

1267 (i) the structure:

1268 (A) is located in an urban-wildland interface area as provided in the Utah Wildland
1269 Urban Interface Code adopted as a construction code under the State Construction Code; and

1270 (B) does not meet the requirements described in Utah Code, Subsection
1271 [65A-8-203\(4\)\(a\)](#) and Utah Administrative Code, R652-122-1300, Minimum Standards for
1272 County Wildland Fire Ordinance;

1273 (ii) the structure is in an area where a public water distribution system with fire
1274 hydrants does not exist as required in Utah Administrative Code, R309-550-5, Water Main
1275 Design;

1276 (iii) the only fire apparatus access road has a grade greater than 10% for more than 500
1277 continual feet;

1278 (iv) the total floor area of all floor levels within the exterior walls of the dwelling unit
1279 exceeds 10,000 square feet; or

1280 (v) the total floor area of all floor levels within the exterior walls of the dwelling unit is
1281 double the average of the total floor area of all floor levels of unsprinkled homes in the
1282 subdivision that are no larger than 10,000 square feet.

1283 (vi) Exception: A single family dwelling does not require a fire sprinkler system if the
1284 dwelling:

1285 (A) is located outside the wildland urban interface;

1286 (B) is built in a one-lot subdivision; and

1287 (C) has 50 feet of defensible space on all sides that limits the propensity of fire
1288 spreading from the dwelling to another property."

1289 (b) In IFC, Chapter 5, Section 506.1, Where Required, is deleted and rewritten as
1290 follows: "Where access to or within a structure or an area is restricted because of secured
1291 openings or where immediate access is necessary for life-saving or fire-fighting purposes, the
1292 fire code official, after consultation with the building owner, may require a key box to be
1293 installed in an approved location. The key box shall contain keys to gain necessary access as
1294 required by the fire code official. For each fire jurisdiction that has at least one building with a
1295 required key box, the fire jurisdiction shall adopt an ordinance, resolution, or other operating
1296 rule or policy that creates a process to ensure that each key to each key box is properly
1297 accounted for and secure."

1298 (c) In IFC, Chapter 5, a new Section 507.1.1, Isolated one- and two-family dwellings,
1299 is added as follows: "Fire flow may be reduced for an isolated one- and two-family dwelling
1300 when the authority having jurisdiction over the dwelling determines that the development of a
1301 full fire-flow requirement is impractical."

1302 (d) In IFC, Chapter 5, a new Section 507.1.2, Pre-existing subdivision lots, is added as
1303 follows:

1304 "507.1.2 Pre-existing subdivision lots.

1305 The requirements for a pre-existing subdivision lot shall not exceed the requirements
1306 described in Section 501.5."

1307 (e) In IFC, Chapter 5, Section 507.5.1, here required, a new exception is added: "3.

1308 One interior and one detached accessory dwelling unit on a single residential lot."

1309 (f) IFC, Chapter 5, Section 510.1, Emergency responder communication coverage in
1310 new buildings, is amended by adding: "When required by the fire code official," at the
1311 beginning of the first paragraph.

1312 (2) For IFC, Chapter 6, Building Services and Systems:

1313 (a) IFC, Chapter 6, Section 604.6.1, Elevator key location, is deleted and rewritten as
1314 follows: "Firefighter service keys shall be kept in a "Supra-Stor-a-key" elevator key box or
1315 similar box with corresponding key system that is adjacent to the elevator for immediate use by
1316 the fire department. The key box shall contain one key for each elevator, one key for lobby
1317 control, and any other keys necessary for emergency service. The elevator key box shall be
1318 accessed using a 6049 numbered key."

1319 (b) IFC, Chapter 6, Section 606.1, General, is amended as follows: On line three, after
1320 the word "Code", add the words "and NFPA 96".

1321 (c) IFC, Chapter 6, Section 607.2, a new exception 5 is added as follows: "5. A Type 1
1322 hood is not required for a cooking appliance in a microenterprise home kitchen, as that term is
1323 defined in Utah Code, Section [26B-7-401](#), for which the operator obtains a permit in
1324 accordance with Utah Code, Title 26, Chapter 15c, Microenterprise Home Kitchen Act."

1325 (3) [~~For~~] IFC, Chapter 7, Fire and Smoke Protection Features, [~~IFC, Chapter 7, Section~~
1326 ~~705.2, is amended to add the following: "Exception: In Group E Occupancies, where the~~
1327 ~~corridor serves an occupant load greater than 30 and the building does not have an automatic~~
1328 ~~fire sprinkler system installed, the door closers may be of the friction hold-open type on~~
1329 ~~classrooms' doors with a rating of 20 minutes or less only."~~] Section 705.2, is deleted.

1330 Section 14. Section **63I-2-215** is amended to read:

1331 **63I-2-215. Repeal dates: Title 15A.**

1332 Subsection [15A-3-206\(3\)](#), related to maximum number of disconnects, is repealed on
1333 July 1, 2027.

1334 Section 15. **Effective date.**

1335 If approved by two-thirds of all the members elected to each house, this bill takes effect

1336 upon approval by the governor, or the day following the constitutional time limit of Utah
1337 Constitution, Article VII, Section 8, without the governor's signature, or in the case of a veto,
1338 the date of veto override.