

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

6

7 **LONG TITLE**

8 **Committee Note:**

9 The Business and Labor Interim Committee recommended this bill.

10 Legislative Vote: 12 voting for 0 voting against 9 absent

11 **General Description:**

12 This bill modifies the State Construction Code and the State Fire Code.

13 **Highlighted Provisions:**

14 This bill:

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

22 **Money Appropriated in this Bill:**

23 None

24 **Other Special Clauses:**

25 This bill provides a special effective date.

26 **Utah Code Sections Affected:**

27 AMENDS:



- 28 **15A-3-102**, as last amended by Laws of Utah 2023, Chapters 209, 327
- 29 **15A-3-113**, as last amended by Laws of Utah 2021, Chapter 199
- 30 **15A-3-202**, as last amended by Laws of Utah 2023, Chapter 209
- 31 **15A-3-203**, as last amended by Laws of Utah 2023, Chapter 209
- 32 **15A-3-204**, as last amended by Laws of Utah 2023, Chapter 209
- 33 **15A-3-205**, as last amended by Laws of Utah 2023, Chapter 209
- 34 **15A-3-206**, as last amended by Laws of Utah 2023, Chapter 209
- 35 **15A-3-402**, as last amended by Laws of Utah 2023, Chapter 209
- 36 **15A-3-601**, as last amended by Laws of Utah 2023, Chapter 209
- 37 **15A-3-801**, as last amended by Laws of Utah 2023, Chapter 209
- 38 **15A-5-103**, as last amended by Laws of Utah 2023, Chapter 95
- 39 **15A-5-202**, as last amended by Laws of Utah 2023, Chapters 95, 327
- 40 **15A-5-203**, as last amended by Laws of Utah 2023, Chapters 95, 327
- 41 **63I-2-215**, as last amended by Laws of Utah 2020, Fifth Special Session, Chapter 4

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

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

45 **15A-3-102. Amendments to Chapters 1 through 3 of IBC.**

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

47 (2) In IBC, Section 110, a new section is added as follows: " 110.3.13,
 48 Weather-resistant exterior wall envelope. An inspection shall be made of the weather-resistant
 49 exterior wall envelope as required by Section 1404.2, and flashing as required by Section
 50 1404.4 to prevent water from entering the weather-resistive barrier."

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

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

59 Administrative Code R432-13."

60 (5) In IBC, Section 202, the definition for "Approved" is modified by adding the words
61 "or independent third-party licensed engineer or architect and submitted to the building
62 official" after the word "official."

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

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

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

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

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

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

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

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

89 ASSISTED LIVING FACILITY, SMALL. A Type I or Type II assisted living facility

90 having six to sixteen residents.

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

93 (10) In IBC, Section 202, the following definition is added for Child Care Facility:

94 "CHILD CARE FACILITY. A facility where care and supervision is provided for four or more
95 children for less than 24 hours a day and for direct or indirect compensation in place of care
96 ordinarily provided in their home."

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

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

102 [~~12~~] (13) In IBC, Section 305, Sections 305.2 through 305.2.3 are deleted and
103 replaced with the following:

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

108 305.2.1 Within places of religious worship. Rooms and spaces within places of
109 religious worship providing such day care during religious functions shall be classified as part
110 of the primary occupancy.

111 305.2.2 Four or fewer children. A facility having four or fewer children receiving such
112 day care shall be classified as part of the primary occupancy.

113 305.2.3 Four or fewer children in a dwelling unit. A facility such as the above within a
114 dwelling unit and having four or fewer children receiving such day care shall be classified as a
115 Group R-3 occupancy or shall comply with the International Residential Code.

116 305.2.4 Child day care -- residential child care certificate or a license. Areas used for
117 child day care purposes with a residential child care certificate, as described in Utah
118 Administrative Code, R430-50, Residential Certificate Child Care, or a residential child care
119 license, as described in Utah Administrative Code, R430-90, Licensed Family Child Care, may
120 be located in a Group R-2 or R-3 occupancy as provided in Sections 310.3 and 310.4 or shall

121 comply with the International Residential Code in accordance with Section R101.2.

122 305.2.5 Child care centers. Each of the following areas may be classified as accessory
123 occupancies, if the area complies with Section 508.2:

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

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

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

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

132 [~~(13)~~] (14) In IBC, Table 307.1(1), footnote "d" is added to the row for Explosives,
133 Division 1.4G in the column titled STORAGE - Solid Pounds (cubic feet).

134 [~~(14)~~] (15) In IBC, Section 308.2, in the list of items under "This group shall include,"
135 the words "Type-I Large and Type-II Small, see Section 308.2.5" are added after "Assisted
136 living facilities."

137 [~~(15)~~] (16) In IBC, Section 308.2.4, all of the words after the first International
138 Residential Code are deleted.

139 [~~(16)~~] (17) A new IBC, Section 308.2.5, is added as follows:

140 "308.2.5 Assisted living facilities. A Type I, Large assisted living facility is classified as
141 occupancy Group I-1, Condition 1. A Type II, Small assisted living facility is classified as
142 occupancy Group I-1, Condition 2. See Section 202 for definitions."

143 [~~(17)~~] (18) IBC, Section 308.3, is deleted and replaced with the following:

144 "308.3 Institutional Group I-2. Institutional Group I-2 occupancy shall include buildings
145 and structures used for medical care on a 24-hour basis for more than four persons who are
146 incapable of self-preservation. This group shall include, but not be limited to the following:

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

148 Child care facilities

149 Foster care facilities

150 Detoxification facilities

151 Hospitals

152 Nursing homes (both intermediate care facilities and skilled nursing facilities)
153 Psychiatric hospitals"
154 [~~(18)~~] (19) In IBC, Section 308.3.2, the number "five" is deleted and replaced with the
155 number "four" in each location.

156 [~~(19)~~] (20) A new IBC, Section 308.3.3, is added as follows:
157 "308.3.3 Assisted living facilities. A Type-II, Large assisted living facility is classified
158 as occupancy Group I-2, Condition 1. See Section 202 for definitions."

159 [~~(20)~~] (21) In IBC, Section 308.5, the words "more than five" are deleted and replaced
160 with the words "five or more in each location."

161 [~~(21)~~] (22) IBC, Section 308.5.1, is deleted and replaced with the following:
162 "308.5.1 Classification as Group E. A child day care facility that provides care for five
163 or more but not more than 100 children under two years of age, where the rooms in which the
164 children are cared for are located on a level of exit discharge serving such rooms and each of
165 these child care rooms has an exit door directly to the exterior, shall be classified as a Group E.
166 See Section 429 for special requirements for Day Care."

167 [~~(22)~~] (23) In IBC, Sections 308.5.3 and 308.5.4, the words "five or fewer" are deleted
168 and replaced with the words "four or fewer" in each location and the following sentence is
169 added at the end: "See Section 429 for special requirements for Day Care."

170 [~~(23)~~] (24) IBC, Section 310.4, is deleted and replaced with the following:
171 "310.4 Residential Group R-3. Residential Group R-3 occupancies and single family
172 dwellings complying with the International Residential Code where the occupants are primarily
173 permanent in nature and not classified as Group R-1, R-2, R-4 or I, including:

174 Assisted Living Facilities, Type-I, limited capacity, see Section 310.5.3
175 Buildings that do not contain more than two dwellings
176 Care facilities, other than child care, that provide accommodations for five or fewer
177 persons receiving care

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

179 Boarding houses (nontransient)

180 Convents

181 Dormitories

182 Fraternities and sororities

183 Monasteries
184 Congregate living facilities (transient) with 10 or fewer occupants
185 Boarding houses (transient)
186 Lodging houses (transient) with five or fewer guest rooms and 10 or fewer occupants"
187 [~~(24)~~] (25) IBC, Section 310.4.1, is deleted and replaced with the following:
188 "310.4.1 Care facilities within a dwelling. Care facilities, other than child care, for five
189 or fewer persons receiving care that are within a single family dwelling are permitted to comply
190 with the International Residential Code. See Section 429 for special requirements for Child
191 Day Care."
192 [~~(25)~~] (26) A new IBC Section 310.4.3 is added as follows: " 310.4.3 Child Care.
193 Areas used for child care purposes may be located in a residential dwelling unit under all of the
194 following conditions and Section 429:
195 1. Compliance with Utah Administrative Code, R710-8, Day Care Rules, as enacted
196 under the authority of the Utah Fire Prevention Board.
197 2. Use is approved by the Department of Health and Human Services, as enacted under
198 the authority of the Utah Code, Title 26B, Chapter 2, Part 4, Child Care Licensing, and in any
199 of the following categories:
200 a. Utah Administrative Code, R430-50, Residential Certificate Child Care.
201 b. Utah Administrative Code, R430-90, Licensed Family Child Care.
202 3. Compliance with all zoning regulations of the local regulator."
203 [~~(26)~~] (27) A new IBC, Section 310.4.4, is added as follows: "310.4.4 Assisted living
204 facilities. Type I assisted living facilities with two to five residents are Limited Capacity
205 facilities classified as a Residential Group R-3 occupancy or are permitted to comply with the
206 International Residential Code. See Section 202 for definitions."
207 [~~(27)~~] (28) In IBC, Section 310.5, the words "Type II Limited Capacity and Type I
208 Small, see Section 310.5.3" are added after the words "assisted living facilities."
209 [~~(28)~~] (29) A new IBC, Section 310.5.3, is added as follows: "310.5.3 Group R-4
210 Assisted living facility occupancy groups. The following occupancy groups shall apply to
211 Assisted Living Facilities: Type II Assisted Living Facilities with two to five residents are
212 Limited Capacity Facilities classified as a Residential Group R-4, Condition 2 occupancy. Type
213 I assisted living facilities with six to sixteen residents are Small Facilities classified as

214 Residential Group R-4, Condition 1 occupancies. See Section 202 for definitions."

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

216 **15A-3-113. Amendments to Chapters 32 through 35 of IBC.**

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

219 [(2)] (1) In IBC, Chapter 35, the referenced standard "ICC A117.1-17: Accessible and
220 Usable Buildings and Facilities" is deleted and replaced with "ICC A117.1-09: Accessible and
221 Usable Buildings and Facilities."

222 (2) In IBC, Chapter 35, the referenced standard ICCA117.1-09, Section 606.2,
223 Exception 1₂ is modified to include the following sentence at the end of the exception:

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

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

226 **15A-3-202. Amendments to Chapters 1 through 5 of IRC.**

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

229 (2) In IRC, Section R102, a new Section R102.7.2 is added as follows: "R102.7.2

230 Physical change for bedroom window egress. A structure whose egress window in an existing
231 bedroom is smaller than required by this code, and that complied with the construction code in
232 effect at the time that the bedroom was finished, is not required to undergo a physical change to
233 conform to this code if the change would compromise the structural integrity of the structure or
234 could not be completed in accordance with other applicable requirements of this code,
235 including setback and window well requirements."

236 (3) In IRC, Section R105.2, number 10, is deleted and replaced with the following:

237 "10. Decks that are not more than 30 inches (762 mm) above grade at any point and not
238 requiring guardrails, that do not serve the exit door required by Section R311.4."

239 (4) In IRC, Section R108.3, the following sentence is added at the end of the section:

240 "The building official shall not request proprietary information."

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

245 ~~[(6)]~~ (5) IRC, Section 109.1.5, is deleted and replaced with the following:

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

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

253 R109.1.5.2 Fire-resistance-rated construction inspection. Where fire-resistance-rated
254 construction is required between dwelling units or due to location on property, the building
255 official shall require an inspection of such construction after lathing or gypsum board or
256 gypsum panel products are in place, but before any plaster is applied, or before board or panel
257 joints and fasteners are taped and finished."

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

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

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

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

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

272 (11) In IRC, Section R202, the definition of "Cross Connection" is deleted and
273 replaced with the following: "CROSS CONNECTION. Any physical connection or potential
274 connection or arrangement between two otherwise separate piping systems, one of which
275 contains potable water and the other either water of unknown or questionable safety or steam,

276 gas, or chemical, whereby there exists the possibility for flow from one system to the other,
277 with the direction of flow depending on the pressure differential between the two systems (see
278 "Backflow, Water Distribution")."

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

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

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

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

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

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"TABLE R301.2 (3)			
GROUND SNOW LOADS FOR SELECTED LOCATIONS IN UTAH			
City/Town	County	Ground Snow Load (lb/ft2)	Elevation (ft)
Beaver	Beaver	35	5886
Brigham City	Box Elder	42	4423
Castle Dale	Emery	32	5669
Coalville	Summit	57	5581

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306	Duchesne	Duchesne	39	5508
307	Farmington	Davis	35	4318
308	Fillmore	Millard	30	5138
309	Heber City	Wasatch	60	5604
310	Junction	Piute	27	6030
311	Kanab	Kane	25	4964
312	Loa	Wayne	37	7060
313	Logan	Cache	43	4531
314	Manila	Daggett	26	6368
315	Manti	Sanpete	37	5620
316	Moab	Grand	21	4029
317	Monticello	San Juan	67	7064
318	Morgan	Morgan	52	5062
319	Nephi	Juab	39	5131
320	Ogden	Weber	37	4334
321	Panguitch	Garfield	41	6630
322	Parowan	Iron	32	6007
323	Price	Carbon	31	5558
324	Provo	Utah	31	4541
325	Randolph	Rich	50	6286
326	Richfield	Sevier	27	5338
327	St. George	Washington	21	2585
328	Salt Lake City	Salt Lake	28	4239
329	Tooele	Tooele	35	5029
330	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.

331 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."

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

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

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

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

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

348 (22) In IRC, Section R303.4, the following exception is added: "Exception: Dwelling
349 units tested in accordance with Section N1102.4.1.2 (R402.4.1.2) which has an air tightness of
350 3.0 ACH (50) or greater do not require mechanical ventilation."

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

353 (24) IRC, Sections R311.7.45 through R311.7.5.3, are deleted and replaced with the

354 following: "R311.7.45.1 Stair treads and risers. R311.7.5.1 Riser height. The maximum riser
355 height shall be 8 inches (203 mm). The riser shall be measured vertically between leading
356 edges of the adjacent treads. The greatest riser height within any flight of stairs shall not
357 exceed the smallest by more than 3/8 inch (9.5 mm).

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

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

376 Exceptions.

- 377 1. A nosing is not required where the tread depth is a minimum of 10 inches (254 mm).
- 378 2. The opening between adjacent treads is not limited on stairs with a total rise of 30
379 inches (762 mm) or less."

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

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

385 (27) In IRC, Section R314.2.2, the words "[~~or~~] accessory dwelling units₂" are added
386 after the words [~~sleeping rooms~~]. "Where alterations, repairs."

387 (28) In IRC, Section R315.2.2, the words "[~~or~~] accessory dwelling units₂" are added
388 after the words [~~sleeping rooms~~]. "Where alterations, repairs."

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

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

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

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

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

406 (33) In IRC, Section R403.1.6.1, a new exception is added at the end of Item 2 and
407 Item 3 as follows: "Exception: When anchor bolt spacing does not exceed 32 inches (816 mm)
408 apart, anchor bolts may be placed with a minimum of two bolts per plate section located not
409 less than 4 inches (102 mm) from each end of each plate section at interior bearing walls,
410 interior braced wall lines, and at all exterior walls."

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

415 (35) In IRC, Section R405.1, a second exception is added as follows: "Exception:

416 When a geotechnical report has been provided for the property, a drainage system is not
417 required unless the drainage system is required as a condition of the geotechnical report. The
418 geotechnical report shall make a recommendation regarding a drainage system."

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

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

423 **15A-3-203. Amendments to Chapters 6 through 15 of IRC.**

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

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

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

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

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

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

434 (b) on or after January 1, 2019, and before January 1, 2021, "4 percent better than
435 code"; and

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

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

439 "j. Log walls complying with ICC400 and with a minimum average wall thickness of 5
440 inches or greater shall be permitted in Zones 5 through 8 when overall window glazing has a
441 .31 U-factor or lower, minimum heating equipment efficiency is 90 AFUE (gas) or 84 AFUE
442 (oil), and all other component requirements are met."

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

447 [~~(6)~~] (7) In IRC, Sections N1102.2.1 (R402.2.1), a new Section N1102.2.1.1 is added
448 as follows:

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

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

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

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

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

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

466 [~~(7)~~] (8) In IRC, Section N1102.4.1 (R402.4.1), in the first sentence, the word "and" is
467 deleted and replaced with the word "or."

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

472 [~~(9)~~] (10) In IRC, Section N1102.4.1.2 (R402.4.1.2), the following changes are made:

473 (a) In the first sentence:

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

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

477 (iii) the words "in Climate Zones 1 and 2, and three air changes per hour in Climate

478 Zones 3 through 8" are deleted.

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

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

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

487 [~~(10)~~] (11) In IRC, Section N1103.3.3 (R403.3.3), the exception for duct air leakage
488 testing is deleted and replaced with the following:

489 (a) on or after January 1, 2017, and before January 1, 2019, with the following:
490 "Exception: The duct air leakage test is not required for systems with all air handlers and at
491 least 65% of all ducts (measured by length) located entirely within the building thermal
492 envelope.";

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

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

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

504 [~~(12)~~] (13) In IRC, Section N1103.3.4 (R403.3.4):

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

507 (b) in Subsection 2:

508 (i) on or after January 1, 2017, and before January 1, 2019, the number 4 is changed to

509 8 and the number 113.3 is changed to 226.5;

510 (ii) on or after January 1, 2019, and before January 1, 2021, the number 4 is changed to
511 7 and the number 113.3 is changed to 198.2; and

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

514 [~~(13)~~] (14) In IRC, Section N1103.3.5 (R403.3.5), the words "or plenums" are deleted.

515 [~~(14)~~] (15) In IRC, Section N1103.5.3 (R403.5.3), Subsection 5 is deleted and
516 Subsections 6 and 7 are renumbered.

517 [~~(15)~~] (16) IRC, Section N1103.6.1 (R403.6.1), is deleted and replaced with the
518 following: "N1103.6.1 (R403.6.1) Whole-house mechanical ventilation system fan efficacy.
519 Fans used to provide whole-house mechanical ventilation shall meet the efficacy requirements
520 of Table N1103.6.1 (R403.6.1).

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

524 [~~(16)~~] (17) In IRC, Section N1103.6.1 (R403.6.1), the table is deleted and replaced
525 with the following:

526 "TABLE N1103.6.1 (R403.6.1)

527 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"

534 [~~(17)~~] (18) In IRC, Section N1106.4 (R406.4), the table is deleted and replaced with
535 the following:

536 "TABLE N1106.4 (R406.4)

537 MAXIMUM ENERGY RATING INDEX

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

542 [~~(18)~~] (19) In IRC, Section N1103.7, the word "approved" is deleted in the first
 543 sentence and the following is added after the word methodologies ", complying with
 544 N1103.7.1[";]."

545 [~~(19)~~] (20) A new IRC, Section N1103.7.1 is added as follows: "N1103.7.1
 546 Qualifications. An individual performing load calculations shall be qualified by completing
 547 HVAC training from one of the following:

- 548 1. HVAC load calculation education from ACCA;
- 549 2. A recognized educational institution;
- 550 3. HVAC equipment manufacturer's training; or
- 551 4. Other recognized industry certification."

552 [~~(20)~~] (21) In IRC, Section M1307.2, the words "In Seismic Design Categories D0, D1,
 553 and D2, and in townhouses in Seismic Design Category C", are deleted, and in Subparagraph 1,
 554 the last sentence is deleted.

555 [~~(21)~~] (22) In IRC, Section M1401.3, the word "approved" is deleted in the first
 556 sentence and the following is added after the word methodologies ", complying with
 557 M1401.3.1".

558 [~~(22)~~] (23) A new IRC, Section M1401.3.1, is added as follows: "M1401.3.1
 559 Qualifications. An individual performing load calculations shall be qualified by completing
 560 HVAC training from one of the following:

- 561 1. HVAC load calculation education from ACCA;
- 562 2. A recognized educational institution;
- 563 3. HVAC equipment manufacturer's training; or
- 564 4. Other recognized industry certification."

565 [~~(23)~~] (24) In IRC, Section M1402.1, the following is added at the end of the second
 566 sentence: "or UL/CSA 60335-2-40."

567 [~~(24)~~] (25) In IRC, Section M1403.1, the characters "/ANCE" are deleted.

568 [~~(25)~~] (26) IRC, Section M1411.9, is deleted.

569 [~~(26)~~] (27) In IRC, Section M1412.1, the characters "/ANCE" are deleted.

570 [~~(27)~~] (28) In IRC, Section M1413.1, the characters "/ANCE" are deleted.

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

572 **15A-3-204. Amendments to Chapters 16 through 25 of IRC.**

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

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

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

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

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

593 **15A-3-205. Amendments to Chapters 26 through 35 of IRC.**

594 (1) IRC, Section P2602.1, is deleted and replaced with the following: "P2602.1
595 General. The water-distribution system of any building or premises where plumbing fixtures
596 are installed shall be connected to a public water supply. Where a potable public water supply
597 is not available, individual sources of potable water supply shall be utilized provided that the

598 source has been developed in accordance with Utah Code Sections 73-3-1, 73-3-3, and
599 73-3-25, as administered by the Department of Natural Resources, Division of Water Rights. In
600 addition, the quality of the water shall be approved by the local health department having
601 jurisdiction. The source shall supply sufficient quantity of water to comply with the
602 requirements of this chapter.

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

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

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

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

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

627 (5) In IRC, Section P2705, a new Item 9 is added as follows: "9. Lavatories. A lavatory
628 shall not be set closer than 12 inches from its center to any side wall or partition. A lavatory

629 shall be provided with a clearance of 24 inches in width and 21 inches in depth in front of the
630 lavatory to any side wall, partition, or obstruction." Remaining item numbers are renumbered
631 accordingly.

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

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

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

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

649 (10) A new IRC, Section P2902.1.1, is added as follows: "P2902.1.1 Backflow
650 assembly testing. Reduced pressure principle, double check, pressure vacuum breaker, reduced
651 pressure detector fire protection, double check detector fire protection, and spill-resistant
652 vacuum breaker backflow preventer assemblies shall be tested at the time of installation,
653 immediately after repairs or relocation and at least annually. The Utah Cross Connection
654 Control Commission has adopted the field test procedures published by the Manual of Cross
655 Connection Control, Tenth Edition. This manual is published by the University of Southern
656 California's Foundation for Cross-Connection Control and Hydraulic Research. Test gauges
657 shall comply with ASSE 1064.

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

659 "P2902.1.2 General Installation Criteria.

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

664 [P2902.1.2] P2902.1.3 Specific Installation Criteria.

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

666 The reduced pressure principle backflow prevention assembly shall be installed as
667 follows:

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

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

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

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

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

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

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

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

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

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

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

690 [P2902.1.2.3] P2902.1.3.3 Pressure Vacuum Break Assembly and Spill Resistant

691 Pressure Vacuum Breaker Assembly.

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

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

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

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

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

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

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

704 (a) In the row titled "Lavatory faucet" the text is deleted and replaced with "1.5 gpm at
705 60 psi".

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

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

711 (14) In IRC, Section 2903.5, at the beginning of the second sentence, insert "If
712 installed,".

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

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

718 "P2910.5 Potable water connections.

719 A system that utilizes nonpotable water (i.e., pressurized irrigation) and installs a
720 connection to the potable water system for backup must install a Reduced Pressure Principle
721 Assembly (RP) directly downstream of the potable water connection (Stop and Waste) and

722 install a "dual source connection" directly downstream from the (RP) installed so that either the
723 potable water system or the nonpotable water is connected at any time to prevent a direct Cross
724 Connection and to protect the potable water from any potential hazard from the nonpotable
725 water system. See Utah Code Section [19-4-112](#). Note: RP must be tested within 10 days of
726 installation and annually whether the drinking water is used or not."

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

728 "P2910.9.5 Makeup water.

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

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

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

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

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

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

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

750 (23) In IRC, Section P3104.4, the following sentence is added at the end of the
751 paragraph: "Horizontal dry vents below the flood level rim shall be permitted for floor drain
752 and floor sink installations when installed below grade in accordance with Chapter 30, and

753 Sections P3104.2 and P3104.3. A wall cleanout shall be provided in the vertical vent."

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

755 **15A-3-206. Amendments to Chapters 36, 37, 39, and 44 and Appendix F of IRC.**

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

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

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

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

761 "3601.7 Maximum number of disconnects. The service disconnecting means shall
762 consist of not more than six switches or six sets of circuit breakers mounted in a single
763 enclosure or in a group of separate enclosures."

764 [~~3~~] (4) IRC, Section E3901.4.2, is deleted and replaced with the following:

765 "E3901.4.2 Island and Peninsular Countertops and Work Spaces. Receptacle outlets, if
766 installed to serve an island or peninsular countertop or work surface, shall be installed in
767 accordance with E3901.4.3. If a receptacle outlet is not provided to serve an island or
768 peninsular countertop or work surface, provisions shall be provided at the island or peninsula
769 for future addition of a receptacle outlet to serve the island or peninsular countertop or work
770 surface.

771 [~~4~~] (5) IRC, Section E3901.4.3, is deleted and replaced with the following:

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

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

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

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

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

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

784 ~~[(5)]~~ (6) In IRC, Section 3902.1, after the word "125-volt" add "single phase 15 and 20
785 ampere" and strike the words "through 250 volt."

786 ~~[(6)]~~ (7) In IRC, Section 3902.2, after the word "125-volt" add "single phase 15 and 20
787 ampere" and strike the words "through 250 volt."

788 ~~[(7)]~~ (8) In IRC, Section 3902.3, after the word "125-volt" add "single phase 15 and 20
789 ampere" and strike the words "through 250 volt."

790 ~~[(8)]~~ (9) In IRC, Section 3902.4, after the word "125-volt" add "single phase 15 and 20
791 ampere" and strike the words "through 250 volt."

792 ~~[(9)]~~ (10) In IRC, Section 3902.5, after the word "125-volt" add the words "single
793 phase 15 and 20 ampere in unfinished portions of the basement shall have ground-fault
794 circuit-interrupter protection for personnel" and delete the rest of the section.

795 ~~[(10)]~~ (11) In IRC, Section 3902.6, after the word "125-volt" add "single phase 15 and
796 20 ampere" and strike the words "through 250 volt."

797 ~~[(11)]~~ (12) In IRC, Section 3902.7, after the word "125-volt" add "single phase 15 and
798 20 ampere" and strike the words "through 250 volt."

799 ~~[(12)]~~ (13) In IRC, Section 3902.8, after the word "125-volt" add "single phase 15 and
800 20 ampere" and strike the words "through 250 volt."

801 ~~[(13)]~~ (14) In IRC, Section 3902.9, after the word "125-volt" add "single phase 15 and
802 20 ampere" and strike the words "through 250 volt."

803 ~~[(14)]~~ (15) IRC, Section 3902.10, is deleted.

804 ~~[(15)]~~ (16) In IRC, Section 3902.12, after the word "125-volt" add "single phase 15 and
805 20 ampere" and strike the words "through 250 volt."

806 ~~[(16)]~~ (17) In IRC, Section 3902.13, after the word "125-volt" add "single phase 15 and
807 20 ampere" and strike the words "through 250 volt."

808 (18) IRC, Section 3902.15, Crawl space lighting outlets, is deleted.

809 ~~[(17)]~~ (19) IRC, Section ~~[E3902.16]~~ 3902.16, Equipment requiring servicing, is
810 deleted.

811 ~~[(18)]~~ (20) IRC Section ~~[E3902.17]~~ 3902.17, Outdoor outlets, is deleted.

812 ~~[(19) IRC, Section E3902.18 is deleted.]~~

813 (21) IRC, Section 3902.19, Location of arc-fault circuit interrupters, is deleted.

814 (22) IRC, Section E3902.20, Arc-fault circuit interrupter protection, is deleted.

815 (23) IRC, Section E3902.21, Arc-fault circuit-interrupter protection for branch circuit
816 extensions or modification, is deleted.

817 [~~(20)~~] (24) IRC, Chapter 44, is amended by deleting the standard for "ANCE."

818 [~~(21)~~] (25) In IRC, Chapter 44, the standard for ASHRAE is amended by changing
819 "34-2013" to "34-2019."

820 [~~(22)~~] (26) In IRC, Chapter 44, the standard for CSA, is amended by changing the:

821 (a) standard reference number "UL/CSA/ANCE 60335-2-40-2012" to "UL/CSA
822 60335-2-40-2019"; and

823 (b) title "Standard for Household and Similar Electrical Appliances, Part 2: Particular
824 Requirements for Motor-Compressors" to "Standard for Household and Similar Electrical
825 Appliances, Part 2-40, Requirements for Electric Heat Pumps, Air Conditioners and
826 Dehumidifiers-3rd Edition."

827 [~~(23)~~] (27) In IRC, Chapter 44, the standard for UL, is amended by changing the:

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

829 (b) standard reference number "UL/CSA/ANCE 60335-2-40-2012" to "UL/CSA
830 60335-2-40-2019"; and

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

835 [~~(24)~~] (28) IRC, Chapter 44, is amended by adding the following reference standard:

836 "Standard reference number	Title	Referenced in code section number
USC-FCCCHR 10th Edition Manual of 837 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"

838 [~~(25)~~] (29) [~~It~~] IRC, Chapter 44, is amended by adding the following reference
839 standard: "UL 9540-20: Energy Storage Systems and Equipment; R328.1, R328.2, and
840 R328.6."

841 [~~(26)~~] (30) (a) When passive radon controls or portions thereof are voluntarily
842 installed, the voluntary installation shall comply with Appendix F of the IRC.

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

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

846 **15A-3-402. Amendments to Chapters 1 through 5 of IMC.**

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

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

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

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

855 c. A nail salon that complies with Note h. 1a or h. 1b is not required to comply with the
856 labeling, listing, or testing requirements described in International Mechanical Code sections
857 301.7 or 301.8.

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

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

863 4. The requirements of this note apply to:

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

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

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

867 (2) [~~h~~] IMC, Section 502.20 is deleted and rewritten as follows:

868 "502.20 Manicure stations. A nail salon that files or shapes an acrylic nail shall provide
869 each manicure station with a source capture system in accordance with Table 403.3.1.1, note h.
870 For a manicure table that does not have factory-installed source capture system inlets for
871 recirculating or exhausting air, a nail salon shall provide the manicure table with inlets for

872 recirculating or exhausting air located not more than 12 inches (305 mm) horizontally and
873 vertically from the point of any acrylic chemical application.

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

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

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

880 (4) In IMC, Section 918.1, the following words are added after "1995": "or UL/CSA
881 60335-2-40."

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

884 [~~(6)~~] In IMC, Section 1101.2, the words "~~471 or 1995~~" are deleted and replaced with
885 "~~471, 1995, or UL/CSA 60335-2-40.~~"

886 [~~(7)~~] (6) In IMC, Section 1101.6, the following sentence is added at the end of the
887 paragraph: "High probability systems utilizing A2L refrigerants shall comply with ASHRAE
888 15."

889 [~~(8)~~] (7) [In] IMC, Chapter 15 is amended by adding the following referenced standard
890 to CSA:

891 "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"

893 [~~(9)~~] (8) [In] IMC, Chapter 15 is amended by adding the following referenced standard
894 to UL:

895 "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"
 896 Particular Requirements for Electrical
 Heat Pumps, Air-Conditioners and
 Dehumidifiers - 3rd Edition

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

898 **15A-3-601. General provisions.**

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

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

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

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

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

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

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

914 210.2(C)(3) Receptacle outlet location. Receptacle outlets shall be located in one or
 915 more of the following:

916 ~~[(1)]~~ (a) On or above, but not more than 500 mm (20 inches) above a countertop or
 917 work surface.

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

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

921 Receptacle outlets rendered not readily accessible by appliances fastened in place,

922 appliance garages, sinks, or range tops as covered in the exception to 210.52(C)(1), occupying
923 assigned spaces shall not be considered as these required outlets.

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

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

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

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

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

933 "230.71 Maximum Number of Disconnects.

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

942 (1) Power monitoring equipment;

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

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

945 (4) Power-operable service disconnecting.

946 (B) Single-Pole Units. Two or three single-pole switches or breakers, capable of
947 individual operation, shall be permitted on multiwire circuits, one pole for each ungrounded
948 conductor, as one multipole disconnect, provided they are equipped with identified handle ties
949 or a master handle to disconnect all conductors of the service with no more than six operations
950 of the hand.

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

952 ~~[(9)]~~ (10) ~~[H]~~ NEC, Section 314.27(C), is deleted and replaced with the following:

953 "314.27(C) Boxes at Ceiling-Suspended (Paddle) Fan Outlets. Outlet boxes or outlet box
 954 systems used as the sole support of a ceiling-suspended (paddle) fan shall be listed, shall be
 955 marked by their manufacturer as suitable for this purpose, and shall not support
 956 ceiling-suspended (paddle) fans that weigh more than 32 kg (70 lb). For outlet boxes or outlet
 957 box systems designed to support ceiling-suspended (paddle) fans that weigh more than 16 kg
 958 (35 lb), the required marking shall include the maximum weight to be supported."

959 ~~[(10)]~~ (11) ~~[It]~~ NEC, Section 406.9(C), is deleted and replaced with the following:

960 "406.9(C) Bathtub and Shower Space. Receptacles shall not be installed within or directly over
 961 a bathtub or shower stall."

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

963 **15A-3-801. General provisions.**

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

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

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

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

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

973 "EXISTING BUILDING. A building that is not a dangerous building and that was
 974 either lawfully erected under a prior adopted code, or deemed a legal non-conforming building
 975 by the code official."

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

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

983 ~~[(6)]~~ (5) Section 503.6 is deleted and replaced with the following:

984 "503.6 Bracing for unreinforced masonry parapets and other appendages upon
985 reroofing.

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

992 [~~7~~] In Section 705.1, Exception number 3, the following is added at the end of the
993 exception:]

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

996 [~~8~~] (6) Section 706.3.1 is deleted and replaced with the following:

997 "706.3.1 Bracing for unreinforced masonry bearing wall parapets and other appendages.

998 Where a permit is issued for reroofing more than 25 percent of the roof area of a
999 building assigned to Seismic Design Category D, E, or F that has parapets constructed of
1000 unreinforced masonry or appendages such as cornices, spires, towers, tanks, signs, statuary,
1001 etc., the work shall include installation of bracing to resist the reduced International Building
1002 Code level seismic forces as specified in Section 303 of this code unless an evaluation
1003 demonstrates compliance of such items."

1004 [~~9~~] (7) Section 906.6 is deleted and replaced with the following:

1005 "906.6 Bracing for unreinforced masonry parapets and other appendages upon
1006 reroofing.

1007 Where the intended alteration requires a permit for reroofing and involves removal of
1008 roofing materials from more than 25% of the roof area of a building assigned to Seismic
1009 Design Category D, E, or F that has parapets constructed of unreinforced masonry or
1010 appendages such as cornices, spires, towers, tanks, signs, statuary, etc., the work shall include
1011 installation of bracing to resist out-of-plane seismic forces, unless an evaluation demonstrates
1012 compliance with such items. Reduced seismic forces are permitted for design purposes."

1013 [~~10~~] (8) (a) Section 1006.3 is deleted and replaced with the following:

1014 "1006.3 Seismic [~~Loads~~] loads. Where a change of occupancy results in a building

1015 being assigned to a higher risk category, or when a change of occupancy results in a design
1016 occupant load increase of 100% or more, the building shall satisfy the requirements of Section
1017 1613 of the International Building Code using full seismic forces."

1018 (b) In Section 1006.3, exceptions 1 through [~~3~~] 4 remain unchanged.

1019 (c) In Section 1006.3, add a new exception 5 as follows:

1020 [~~4~~] "5. Where the design occupant load increase is less than 25 occupants and the
1021 occupancy category does not change."

1022 [~~(H)~~] (9) In Section [~~1012.7.3~~] 1011.7.3, exception 2 is deleted.

1023 Section 11. Section **15A-5-103** is amended to read:

1024 **15A-5-103. Nationally recognized codes incorporated by reference.**

1025 The following codes are incorporated by reference into the State Fire Code:

1026 (1) the International Fire Code, 2021 edition, excluding appendices, as issued by the
1027 International Code Council, Inc., except as amended by Part 2, Statewide Amendments and
1028 Additions to International Fire Code Incorporated as Part of State Fire Code;

1029 (2) National Fire Protection Association, NFPA 1, Chapter 38, Marijuana Growing,
1030 Processing, and Extraction Facilities, 2018 edition;

1031 (3) National Fire Protection Association, NFPA 54, National Fuel Gas Code, 2021
1032 edition; and

1033 (4) National Fire Protection Association, NFPA 58, Liquefied Petroleum Gas Code,
1034 [~~2023~~] 2024 edition.

1035 Section 12. Section **15A-5-202** is amended to read:

1036 **15A-5-202. Amendments and additions to IFC related to administration, permits,**
1037 **definitions, and general and emergency planning.**

1038 (1) For IFC, Chapter 1, Scope and Administration:

1039 (a) IFC, Chapter 1, Section 102.5, is deleted and rewritten as follows:

1040 "102.5 Application of residential code.

1041 If a structure is designed and constructed in accordance with the International
1042 Residential Code, the provisions of this code apply only as follows:

1043 1. The construction and design provisions of this code apply only to premises
1044 identification, fire apparatus access, fire hydrants and water supplies, and construction permits
1045 required by Section 105.7.

1046 2. This code does not supercede the land use, subdivision, or development standards
1047 established by a local jurisdiction.

1048 3. The administrative, operational, and maintenance provisions of this code apply."

1049 (b) IFC, Chapter 1, Section 102.9, is deleted and rewritten as follows:

1050 "102.9 Matters not provided for.

1051 Requirements that are essential for the public safety of an existing or proposed activity,
1052 building or structure, or for the safety of the occupants thereof, which are not specifically
1053 provided for by this code, shall be determined by the fire code official on an emergency basis
1054 if:

1055 (a) the facts known to the fire code official show that an immediate and significant
1056 danger to the public health, safety, or welfare exists; and

1057 (b) the threat requires immediate action by the fire code official.

1058 102.9.1 Limitation of emergency order.

1059 In issuing its emergency order, the fire code official shall:

1060 (a) limit the order to require only the action necessary to prevent or avoid the danger to
1061 the public health, safety, or welfare; and

1062 (b) give immediate notice to the persons who are required to comply with the order, that
1063 includes a brief statement of the reasons for the fire code official's order.

1064 101.9.2 Right to appeal emergency order.

1065 If the emergency order issued under this section will result in the continued
1066 infringement or impairment of any legal right or interest of any party, the party shall have a
1067 right to appeal the fire code official's order in accordance with IFC, Chapter 1, Section 109."

1068 (c) IFC, Chapter 1, Section 106.1, Submittals, is amended to add the following after the
1069 last sentence:

1070 "Fire sprinkler system layout shall be prepared and submitted by a person certified by
1071 the National Institute for Certification in Engineering Technologies at level III or IV in
1072 Water-Based System Layout. Fire alarm system layout shall be prepared and submitted by a
1073 person certified by the National Institute for Certification in Engineering Technologies at level
1074 III or IV in Fire Alarm Systems."

1075 (d) IFC, Chapter 1, Section 105.5.18, Flammable and combustible liquids, is amended
1076 to add the following section: "12. The owner of an underground tank that is out of service for

1077 longer than one year shall receive a Temporary Closure Notice from the Department of
1078 Environmental Quality and a copy shall be given to the AHJ."

1079 (e) In IFC, Chapter 1, Section 102.5, a new subsection 3. is added as follows:

1080 "3. For development regulated by a local jurisdiction's land use authority, the fire code
1081 official's interpretation of this code is subject to the advisory opinion process described in Utah
1082 Code, Section 13-43-205, and to a land use appeal authority appointed under Utah Code,
1083 Section 10-9a-701 or 17-27a-701."

1084 (f) In IFC, Chapter 1, Section 111, a new Section 111.5, Notice of right to appeal, is
1085 added as follows: "At the time a fire code official makes an order, decision, or determination
1086 that relates to the application or interpretation of this chapter, the fire code official shall inform
1087 the person affected by the order, decision, or determination of the person's right to appeal under
1088 this section. Upon request, the fire code official shall provide a person affected by an order,
1089 decision, or determination that relates to the application or interpretation of this chapter a
1090 written notice that describes the person's right to appeal under this section."

1091 (2) For IFC, Chapter 2, Definitions:

1092 (a) In IFC, Chapter 2, Section 202, General Definitions, the following definition is
1093 added for Ambulatory Surgical Center: "AMBULATORY SURGICAL CENTER. A building
1094 or portion of a building licensed by the Department of Health and Human Services where
1095 procedures are performed that may render patients incapable of self preservation where care is
1096 less than 24 hours. See Utah Administrative Code, R432-13, Freestanding Ambulatory Surgical
1097 Center Construction Rule."

1098 (b) In IFC, Chapter 2, Section 202, General Definitions, APPROVED is modified by
1099 adding the words "or independent third-party licensed engineer or licensed architect and
1100 submitted to the fire code official" after the word "official."

1101 [~~(b)~~] (c) In IFC, Chapter 2, Section 202, General Definitions, the following definition
1102 is added for Assisted Living Facility, Residential Treatment and Support[:]: "ASSISTED
1103 LIVING FACILITY, RESIDENTIAL TREATMENT AND SUPPORT[:]. A residential facility
1104 that provides a group living environment for four or more residents licensed by the Department
1105 of Health and Human Services and provides a protected living arrangement for ambulatory,
1106 non-restrained persons who are capable of achieving mobility sufficient to exit the facility
1107 without the physical assistance of another person.

1108 ASSISTED LIVING FACILITY, TYPE I. A residential facility licensed by the
1109 Department of Health and Human Services that provides a protected living arrangement,
1110 assistance with activities of daily living and social care to two or more ambulatory,
1111 non-restrained persons who are capable of mobility sufficient to exit the facility without the
1112 assistance of another person.

1113 ASSISTED LIVING FACILITY, TYPE II. A residential facility licensed by the
1114 Department of Health and Human Services that provides an array of coordinated supportive
1115 personal and health care services to two or more residents who are:

1116 A. Physically disabled but able to direct his or her own care; or

1117 B. Cognitively impaired or physically disabled but able to evacuate from the facility, or
1118 to a zone or area of safety, with the physical assistance of one person.

1119 Subcategories are:

1120 ASSISTED LIVING FACILITY, LIMITED CAPACITY: A Type I or Type II assisted
1121 living facility having two to five residents.

1122 ASSISTED LIVING FACILITY, SMALL: A Type I or Type II assisted living facility
1123 having six to sixteen residents.

1124 ASSISTED LIVING FACILITY, LARGE: A Type I or Type II assisted living facility
1125 having more than sixteen residents."

1126 ~~(c)~~ (d) In IFC, Chapter 2, Section 202, General Definitions, the definition for Child
1127 Care Facility is added as follows: "CHILD CARE FACILITY: A facility where care and
1128 supervision is provided for four or more children for less than 24 hours a day and for direct or
1129 indirect compensation in place of care ordinarily provided in their home."

1130 ~~(e)~~ (e) In IFC, Chapter 2, Section 202, General Definitions, the definition for Independent
1131 Third-Party is added as follows: "INDEPENDENT THIRD-PARTY. An engineer or architect
1132 licensed in the State of Utah, who is not affiliated with the jurisdiction or the project owner,
1133 developer, architect, or engineer, and is agreeable to all parties. The independent third-party
1134 will provide unbiased assessments, opinions, or services based on their expertise and
1135 professional standards in their respective fields."

1136 ~~(f)~~ (f) IFC, Chapter 2, Section 202, General Definitions, OCCUPANCY
1137 CLASSIFICATION, Educational Group E, Group E, day care facilities, is deleted and replaced
1138 with the following:

1139 "Group E, Child Care Facilities. This group includes buildings and structures or
 1140 portions thereof occupied by four or more children 2 years of age or older who receive
 1141 educational, supervision, child care services or personal care services for fewer than 24 hours
 1142 per day. See Section 429, Day Care, for special requirements for day care.

1143 Within Places of Religious Worship. Rooms and spaces within places of religious
 1144 worship providing such day care during religious functions shall be classified as part of the
 1145 primary occupancy.

1146 Four or Fewer Children. A facility having four or fewer children receiving such day
 1147 care shall be classified as part of the primary occupancy.

1148 Four or Fewer Children in a Dwelling Unit. A facility such as the above within a
 1149 dwelling unit and having four or fewer children receiving such day care shall be classified as a
 1150 Group R-3 occupancy or shall comply with the International Residential Code.

1151 Child Day Care - Residential Child Care Certificate or a License. Areas used for child
 1152 day care purposes with a residential child care certificate, as described in Utah Administrative
 1153 Code, R430-50, Residential Certificate Child Care, or a residential child care license, as
 1154 described in Utah Administrative Code, R430-90, Licensed Family Child Care, may be located
 1155 in a Group R-2 or R-3 occupancy as provided in the International Building Code, Sections
 1156 310.3 and 310.4, or shall comply with the International Residential Code, Section R101.2.

1157 Child Care Centers. Each of the following areas may be classified as accessory
 1158 occupancies, if the area complies with the International Building Code, Section 508.2:

1159 1. Hourly child care center, as described in Utah Administrative Code, R381-60,
 1160 Hourly Child Care Centers;

1161 2. Child care centers, as described in Utah Administrative Code, R381-100, Child Care
 1162 Centers;

1163 3. Out-of-school-time programs, as described in Utah Administrative Code, R381-70,
 1164 Out of School Time Child Care Programs; and

1165 4. Commercial preschools, as described in Utah Administrative Code, R381-40,
 1166 Commercial Preschool Programs."

1167 ~~(e)~~ (g) In IFC, Chapter 2, Section 202, General Definitions, OCCUPANCY
 1168 CLASSIFICATION, Institutional Group I-1, is amended as follows: In the list of items under
 1169 "This group shall include," the words "Type-I Large and Type-II Small, see the International

1170 Building Code, Section 308.2.5" are added after "Assisted living facilities."

1171 [~~(f)~~] (h) In IFC, Chapter 2, Section 202, General Definitions, OCCUPANCY
1172 CLASSIFICATION, Institutional Group I-1, Five or fewer persons receiving custodial care is
1173 amended as follows: On line four after "International Residential Code" the rest of the section
1174 is deleted.

1175 [~~(g)~~] (i) IFC, Chapter 2, Section 202, General Definitions, OCCUPANCY
1176 CLASSIFICATION, Institutional Group I-2, is deleted and replaced with the following:
1177 "Institutional Group I-2. Institutional Group I-2 occupancy shall include buildings and
1178 structures used for medical care on a 24-hour basis for more than four persons who are
1179 incapable of self-preservation. This group shall include, but not be limited to the following:

- 1180 Assisted living facilities, Type-II Large, see Section 308.3.3
- 1181 Child care facilities
- 1182 Foster care facilities
- 1183 Detoxification facilities
- 1184 Hospitals
- 1185 Nursing homes (both intermediate care facilities and skilled nursing facilities)
- 1186 Psychiatric hospitals."

1187 [~~(h)~~] (j) In IFC, Chapter 2, Section 202, General Definitions, OCCUPANCY
1188 CLASSIFICATION, Institutional Group I-2, a new section is added as follows:
1189 "Assisted Living Facilities. A Type I, Large assisted living facility is classified as
1190 occupancy Group I-1, Condition 1. A Type II, Small assisted living facility is classified as
1191 occupancy Group I-1, Condition 2. See Section 202 for definitions."

1192 [~~(i)~~] (k) IFC, Chapter 2, Section 202, General Definitions, OCCUPANCY
1193 CLASSIFICATION, Institutional Group I-4, day care facilities, Classification as Group E, Five
1194 or fewer persons receiving care, and Five or fewer occupants receiving care in a dwelling unit
1195 are deleted and replaced with the following:

1196 "Classification as Group E. A child day care facility that provides care for five or more
1197 but not more than 100 children under two years of age, where the rooms in which the children
1198 are cared for are located on a level of exit discharge serving such rooms and each of these child
1199 care rooms has an exit door directly to the exterior, shall be classified as a Group E. See the
1200 International Building Code, Section 429 for special requirements for Day Care.

1201 Four or Fewer Persons Receiving Care. A facility having four or fewer persons
1202 receiving custodial care shall be classified as part of the primary occupancy. See the
1203 International Building Code, Section 429, for special requirements for Day Care.

1204 Four or Fewer Persons Receiving Care in a Dwelling Unit. A facility such as the above
1205 within a dwelling unit and having four or fewer persons receiving custodial care shall be
1206 classified as a Group R-3 occupancy or shall comply with the International Residential Code.
1207 See the International Building Code, Section 429, for special requirements for Day Care."

1208 [~~(j)~~] (l) IFC, Chapter 2, Section 202, General Definitions, OCCUPANCY
1209 CLASSIFICATION, Residential Group R-3, is deleted and replaced with the following:

1210 "Residential Group R-3. Residential Group R-3 occupancies and single family
1211 dwellings complying with the International Residential Code where the occupants are primarily
1212 permanent in nature and not classified as Group R-1, R-2, R-4, or I occupancies, including:

1213 Assisted Living Facilities, Type-I, limited capacity, see Section 310.5.3

1214 Buildings that do not contain more than two dwellings

1215 Care facilities, other than child care, that provide accommodations for five or fewer
1216 persons receiving care

1217 Congregate living facilities (nontransient) with 16 or fewer occupants

1218 Boarding houses (nontransient)

1219 Convents

1220 Dormitories

1221 Fraternities and sororities

1222 Monasteries

1223 Congregate living facilities (transient) with 10 or fewer occupants

1224 Boarding houses (transient)

1225 Lodging houses (transient) with five or fewer guest rooms and 10 or fewer occupants"

1226 [~~(k)~~] (m) IFC, Chapter 2, Section 202, General Definitions, OCCUPANCY

1227 CLASSIFICATION, Residential Group R-3, Care facilities within a dwelling, is deleted and
1228 replaced with the following: "Care Facilities within a Dwelling. Care facilities, other than child

1229 care, for five or fewer persons receiving care that are within a single family dwelling are

1230 permitted to comply with the International Residential Code. See the International Building

1231 Code, Section 429, for special requirements for Child Day Care."

1232 ~~(f)~~ (n) In IFC, Chapter 2, Section 202, General Definitions, OCCUPANCY
 1233 CLASSIFICATION, Residential Group R-3, a new section is added as follows: "Child Care.
 1234 Areas used for child care purposes may be located in a residential dwelling unit when all of the
 1235 following conditions are met:

1236 1. Compliance with Utah Administrative Code, R710-8, Day Care Rules, as enacted
 1237 under the authority of the Utah Fire Prevention Board;

1238 2. Use is approved by the Department of Health and Human Services under the
 1239 authority of Utah Code, Title 26B, Chapter 2, Part 4, Child Care Licensing, and in any of the
 1240 following categories:

- 1241 1.1. Utah Administrative Code, R430-50, Residential Certificate Child Care; or
- 1242 1.2. Utah Administrative Code, R430-90, Licensed Family Child Care; and
- 1243 1.3 Compliance with all zoning regulations of the local regulator."

1244 ~~(m)~~ (o) In IFC, Chapter 2, Section 202, General Definitions, OCCUPANCY
 1245 CLASSIFICATION, Residential Group R-3, a new section is added as follows:

1246 "Assisted Living Facilities. Type I assisted living facilities with two to five residents are
 1247 Limited Capacity facilities classified as a Residential Group R-3 occupancy or are permitted to
 1248 comply with the International Residential Code. See Section 202 for definitions."

1249 ~~(n)~~ (p) In IFC, Chapter 2, Section 202, General Definitions, OCCUPANCY
 1250 CLASSIFICATION, Residential Group R-4, the words "Type II Limited Capacity and Type I
 1251 Small, see R-4 Assisted Living Facility Occupancy Groups" are added after the words
 1252 "Assisted Living Facilities."

1253 ~~(o)~~ (q) In IFC, Chapter 2, Section 202, General Definitions, OCCUPANCY
 1254 CLASSIFICATION, Residential Group R-4, a new section is added as follows: "Group R-4 -
 1255 Assisted Living Facility Occupancy Groups. The following occupancy groups shall apply to
 1256 Assisted Living Facilities:

1257 Type II Assisted Living Facilities with two to five residents are Limited Capacity
 1258 Facilities classified as a Residential Group R-4, Condition 2 occupancy.

1259 Type I assisted living facilities with six to sixteen residents are Small Facilities
 1260 classified as Residential Group R-4, Condition 1 occupancies. See Section 202 for definitions."

1261 Section 13. Section 15A-5-203 is amended to read:

1262 **15A-5-203. Amendments and additions to IFC related to fire safety, building, and**

1263 **site requirements.**

1264 (1) For IFC, Chapter 5, Fire Service Features:

1265 (a) In IFC, Chapter 5, a new Section 501.5, Access grade and fire flow, is added as
1266 follows: "An authority having jurisdiction over a structure built in accordance with the
1267 requirements of the International Residential Code as adopted in the State Construction Code,
1268 may require an automatic fire sprinkler system for the structure only by ordinance and only if
1269 any of the following conditions exist:

1270 (i) the structure:

1271 (A) is located in an urban-wildland interface area as provided in the Utah Wildland
1272 Urban Interface Code adopted as a construction code under the State Construction Code; and

1273 (B) does not meet the requirements described in Utah Code, Subsection
1274 [65A-8-203\(4\)\(a\)](#) and Utah Administrative Code, R652-122-1300, Minimum Standards for
1275 County Wildland Fire Ordinance;

1276 (ii) the structure is in an area where a public water distribution system with fire
1277 hydrants does not exist as required in Utah Administrative Code, R309-550-5, Water Main
1278 Design;

1279 (iii) the only fire apparatus access road has a grade greater than 10% for more than 500
1280 continual feet;

1281 (iv) the total floor area of all floor levels within the exterior walls of the dwelling unit
1282 exceeds 10,000 square feet; or

1283 (v) the total floor area of all floor levels within the exterior walls of the dwelling unit is
1284 double the average of the total floor area of all floor levels of unsprinkled homes in the
1285 subdivision that are no larger than 10,000 square feet.

1286 (vi) Exception: A single family dwelling does not require a fire sprinkler system if the
1287 dwelling:

1288 (A) is located outside the wildland urban interface;

1289 (B) is built in a one-lot subdivision; and

1290 (C) has 50 feet of defensible space on all sides that limits the propensity of fire
1291 spreading from the dwelling to another property."

1292 (b) In IFC, Chapter 5, Section 506.1, Where Required, is deleted and rewritten as
1293 follows: "Where access to or within a structure or an area is restricted because of secured

1294 openings or where immediate access is necessary for life-saving or fire-fighting purposes, the
1295 fire code official, after consultation with the building owner, may require a key box to be
1296 installed in an approved location. The key box shall contain keys to gain necessary access as
1297 required by the fire code official. For each fire jurisdiction that has at least one building with a
1298 required key box, the fire jurisdiction shall adopt an ordinance, resolution, or other operating
1299 rule or policy that creates a process to ensure that each key to each key box is properly
1300 accounted for and secure."

1301 (c) In IFC, Chapter 5, a new Section 507.1.1, Isolated one- and two-family dwellings,
1302 is added as follows: "Fire flow may be reduced for an isolated one- and two-family dwelling
1303 when the authority having jurisdiction over the dwelling determines that the development of a
1304 full fire-flow requirement is impractical."

1305 (d) In IFC, Chapter 5, a new Section 507.1.2, Pre-existing subdivision lots, is added as
1306 follows:

1307 "507.1.2 Pre-existing subdivision lots.

1308 The requirements for a pre-existing subdivision lot shall not exceed the requirements
1309 described in Section 501.5."

1310 (e) In IFC, Chapter 5, Section 507.5.1, here required, a new exception is added: "3.
1311 One interior and one detached accessory dwelling unit on a single residential lot."

1312 (f) IFC, Chapter 5, Section 510.1, Emergency responder communication coverage in
1313 new buildings, is amended by adding: "When required by the fire code official," at the
1314 beginning of the first paragraph.

1315 (2) For IFC, Chapter 6, Building Services and Systems:

1316 (a) IFC, Chapter 6, Section 604.6.1, Elevator key location, is deleted and rewritten as
1317 follows: "Firefighter service keys shall be kept in a "Supra-Stor-a-key" elevator key box or
1318 similar box with corresponding key system that is adjacent to the elevator for immediate use by
1319 the fire department. The key box shall contain one key for each elevator, one key for lobby
1320 control, and any other keys necessary for emergency service. The elevator key box shall be
1321 accessed using a 6049 numbered key."

1322 (b) IFC, Chapter 6, Section 606.1, General, is amended as follows: On line three, after
1323 the word "Code", add the words "and NFPA 96".

1324 (c) IFC, Chapter 6, Section 607.2, a new exception 5 is added as follows: "5. A Type 1

1325 hood is not required for a cooking appliance in a microenterprise home kitchen, as that term is
1326 defined in Utah Code, Section [26B-7-401](#), for which the operator obtains a permit in
1327 accordance with Utah Code, Title 26, Chapter 15c, Microenterprise Home Kitchen Act."

1328 (3) [~~For~~] IFC, Chapter 7, Fire and Smoke Protection Features, [~~IFC, Chapter 7, Section~~
1329 ~~705.2, is amended to add the following: "Exception: In Group E Occupancies, where the~~
1330 ~~corridor serves an occupant load greater than 30 and the building does not have an automatic~~
1331 ~~fire sprinkler system installed, the door closers may be of the friction hold-open type on~~
1332 ~~classrooms' doors with a rating of 20 minutes or less only."~~] Section 705.2, is deleted.

1333 Section 14. Section **63I-2-215** is amended to read:

1334 **63I-2-215. Repeal dates: Title 15A.**

1335 Subsection [15A-3-206\(3\)](#), related to maximum number of disconnects, is repealed on
1336 July 1, 2027.

1337 Section 15. **Effective date.**

1338 If approved by two-thirds of all the members elected to each house, this bill takes effect
1339 upon approval by the governor, or the day following the constitutional time limit of Utah
1340 Constitution, Article VII, Section 8, without the governor's signature, or in the case of a veto,
1341 the date of veto override.