

1 **CONSTRUCTION CODE MODIFICATIONS**

2 2019 GENERAL SESSION

3 STATE OF UTAH

4 **Chief Sponsor: Mike Schultz**

5 Senate Sponsor: _____

7 **LONG TITLE**

8 **General Description:**

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

11 **Highlighted Provisions:**

12 This bill:

- 13 ▶ incorporates statewide amendments as part of the construction code;
- 14 ▶ adopts Appendix Q of the 2018 International Residential Code;
- 15 ▶ adopts, statewide with amendments:
 - 16 • the 2018 International Building Code, including Appendix J;
 - 17 • the 2018 International Plumbing Code;
 - 18 • the 2018 International Mechanical Code;
 - 19 • the 2018 International Fuel Gas Code;
 - 20 • the commercial provisions of the 2018 International Energy Conservation Code;

21 and

- 22 • the 2018 International Existing Building Code;
- 23 ▶ amends statewide amendments to the International Residential Code; and
- 24 ▶ amends local amendments to the International Building Code for Sandy City.

25 **Money Appropriated in this Bill:**

26 None

27 **Other Special Clauses:**



28 This bill provides a special effective date.

29 **Utah Code Sections Affected:**

30 AMENDS:

- 31 **15A-1-202**, as enacted by Laws of Utah 2011, Chapter 14
- 32 **15A-1-203**, as enacted by Laws of Utah 2011, Chapter 14
- 33 **15A-2-103**, as last amended by Laws of Utah 2018, Chapter 186
- 34 **15A-3-102**, as last amended by Laws of Utah 2016, Chapter 249
- 35 **15A-3-103**, as last amended by Laws of Utah 2016, Chapter 249
- 36 **15A-3-104**, as last amended by Laws of Utah 2018, Chapter 361
- 37 **15A-3-105**, as last amended by Laws of Utah 2018, Chapter 158
- 38 **15A-3-107**, as last amended by Laws of Utah 2016, Chapter 249
- 39 **15A-3-110**, as last amended by Laws of Utah 2016, Chapter 249
- 40 **15A-3-112**, as last amended by Laws of Utah 2017, Chapter 257
- 41 **15A-3-113**, as last amended by Laws of Utah 2016, Chapter 249
- 42 **15A-3-202**, as last amended by Laws of Utah 2018, Chapter 361
- 43 **15A-3-203**, as last amended by Laws of Utah 2016, Chapter 249
- 44 **15A-3-205**, as last amended by Laws of Utah 2018, Chapter 186
- 45 **15A-3-302**, as last amended by Laws of Utah 2018, Chapter 186
- 46 **15A-3-303**, as last amended by Laws of Utah 2016, Chapter 249
- 47 **15A-3-304**, as last amended by Laws of Utah 2018, Chapter 186
- 48 **15A-3-305**, as last amended by Laws of Utah 2016, Chapter 249
- 49 **15A-3-306**, as last amended by Laws of Utah 2016, Chapter 249
- 50 **15A-3-307**, as last amended by Laws of Utah 2013, Chapter 297
- 51 **15A-3-310**, as last amended by Laws of Utah 2016, Chapter 249
- 52 **15A-3-314**, as last amended by Laws of Utah 2016, Chapter 249
- 53 **15A-3-401**, as last amended by Laws of Utah 2017, Chapter 14
- 54 **15A-3-501**, as last amended by Laws of Utah 2016, Chapter 249
- 55 **15A-3-701**, as last amended by Laws of Utah 2016, Chapter 249
- 56 **15A-3-801**, as last amended by Laws of Utah 2016, Chapter 249
- 57 **15A-4-107**, as last amended by Laws of Utah 2017, Chapter 341

58

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

60 Section 1. Section **15A-1-202** is amended to read:

61 **15A-1-202. Definitions.**

62 As used in this chapter:

63 (1) "Agricultural use" means a use that relates to the tilling of soil and raising of crops,
64 or keeping or raising domestic animals.

65 (2) (a) "Approved code" means a code, including the standards and specifications
66 contained in the code, approved by the division under Section **15A-1-204** for use by a
67 compliance agency.

68 (b) "Approved code" does not include the State Construction Code.

69 (3) "Building" means a structure used or intended for supporting or sheltering any use
70 or occupancy and any improvements attached to it.

71 (4) "Code" means:

72 (a) the State Construction Code; or

73 (b) an approved code.

74 (5) "Commission" means the Uniform Building Code Commission created in Section
75 **15A-1-203**.

76 (6) "Compliance agency" means:

77 (a) an agency of the state or any of its political subdivisions which issues permits for
78 construction regulated under the codes;

79 (b) any other agency of the state or its political subdivisions specifically empowered to
80 enforce compliance with the codes; or

81 (c) any other state agency which chooses to enforce codes adopted under this chapter
82 by authority given the agency under a title other than this part and Part 3, Factory Built
83 Housing and Modular Units Administration Act.

84 (7) "Construction code" means standards and specifications published by a nationally
85 recognized code authority for use in circumstances described in Subsection **15A-1-204(1)**,
86 including:

87 (a) a building code;

88 (b) an electrical code;

89 (c) a residential one and two family dwelling code;

- 90 (d) a plumbing code;
- 91 (e) a mechanical code;
- 92 (f) a fuel gas code;
- 93 (g) an energy conservation code; and
- 94 (h) a manufactured housing installation standard code.

95 (8) "Executive director" means the executive director of the Department of Commerce.

96 [~~8~~] (9) "Legislative action" includes legislation that:

- 97 (a) adopts a new State Construction Code;
- 98 (b) amends the State Construction Code; or
- 99 (c) repeals one or more provisions of the State Construction Code.

100 [~~9~~] (10) "Local regulator" means a political subdivision of the state that is
101 empowered to engage in the regulation of construction, alteration, remodeling, building, repair,
102 and other activities subject to the codes.

103 [~~10~~] (11) "Not for human occupancy" means use of a structure for purposes other
104 than protection or comfort of human beings, but allows people to enter the structure for:

- 105 (a) maintenance and repair; and
- 106 (b) the care of livestock, crops, or equipment intended for agricultural use which are
107 kept there.

108 [~~11~~] (12) "Opinion" means a written, nonbinding, and advisory statement issued by
109 the commission concerning an interpretation of the meaning of the codes or the application of
110 the codes in a specific circumstance issued in response to a specific request by a party to the
111 issue.

112 [~~12~~] (13) "State regulator" means an agency of the state which is empowered to
113 engage in the regulation of construction, alteration, remodeling, building, repair, and other
114 activities subject to the codes adopted pursuant to this chapter.

115 Section 2. Section **15A-1-203** is amended to read:

116 **15A-1-203. Uniform Building Code Commission -- Unified Code Analysis**
117 **Council.**

118 (1) There is created a Uniform Building Code Commission to advise the division with
119 respect to the division's responsibilities in administering the codes.

120 (2) The commission shall consist of 11 members as follows:

121 (a) one member shall be from among candidates nominated by the Utah League of
122 Cities and Towns and the Utah Association of Counties;

123 (b) one member shall be a licensed building inspector employed by a political
124 subdivision of the state;

125 (c) one member shall be a licensed professional engineer;

126 (d) one member shall be a licensed architect;

127 (e) one member shall be a fire official;

128 (f) three members shall be contractors licensed by the state, of which one shall be a
129 general contractor, one an electrical contractor, and one a plumbing contractor;

130 (g) two members shall be from the general public and have no affiliation with the
131 construction industry or real estate development industry; and

132 (h) one member shall be from the Division of Facilities Construction and Management
133 of the Department of Administrative Services.

134 (3) (a) The executive director shall appoint each commission member after submitting
135 a nomination to the governor for confirmation or rejection.

136 (b) If the governor rejects a nominee, the executive director shall submit an alternative
137 nominee until the governor confirms the nomination. An appointment is effective after the
138 governor confirms the nomination.

139 (4) (a) Except as required by Subsection (4)(b), as terms of commission members
140 expire, the executive director shall appoint each new commission member or reappointed
141 commission member to a four-year term.

142 (b) Notwithstanding the requirements of Subsection (4)(a), the executive director shall,
143 at the time of appointment or reappointment, adjust the length of terms to ensure that the terms
144 of commission members are staggered so that approximately half of the commission is
145 appointed every two years.

146 (5) When a vacancy occurs in the commission membership for any reason, the
147 executive director shall appoint a replacement for the unexpired term.

148 (6) (a) A commission member may not serve more than two full terms.

149 (b) A commission member who ceases to serve may not again serve on the commission
150 until after the expiration of two years from the date of cessation of service.

151 (7) A majority of the commission members constitute a quorum and may act on behalf

152 of the commission.

153 (8) A commission member may not receive compensation or benefits for the
154 commission member's service, but may receive per diem and travel expenses in accordance
155 with:

156 (a) Section 63A-3-106;

157 (b) Section 63A-3-107; and

158 (c) rules made by the Division of Finance pursuant to Sections 63A-3-106 and
159 63A-3-107.

160 (9) (a) The commission shall annually designate one of its members to serve as chair of
161 the commission.

162 (b) The division shall provide a secretary to facilitate the function of the commission
163 and to record the commission's actions and recommendations.

164 (10) The commission shall:

165 (a) in accordance with Section 15A-1-204, report to the Business and Labor Interim
166 Committee;

167 (b) offer an opinion regarding the interpretation of or the application of a code if a
168 person submits a request for an opinion;

169 (c) act as an appeals board as provided in Section 15A-1-207;

170 (d) establish advisory peer committees on either a standing or ad hoc basis to advise
171 the commission with respect to matters related to a code, including a committee to advise the
172 commission regarding health matters related to a plumbing code; and

173 (e) assist the division in overseeing code-related training in accordance with Section
174 15A-1-209.

175 (11) A person requesting an opinion under Subsection (10)(b) shall submit a formal
176 request clearly stating:

177 (a) the facts in question;

178 (b) the specific citation at issue in a code; and

179 (c) the position taken by the persons involved in the facts in question.

180 (12) (a) In a manner consistent with Subsection (10)(d), the commission shall jointly
181 create with the Utah Fire Prevention Board an advisory peer committee known as the "Unified
182 Code Analysis Council" to review fire prevention and construction code issues that require

183 definitive and specific analysis.

184 (b) The commission and Utah Fire Prevention Board shall jointly, by rule made in
185 accordance with Title 63G, Chapter 3, Utah Administrative Rulemaking Act, provide for:

186 (i) the appointment of members to the Unified Code Analysis Council; and

187 (ii) procedures followed by the Unified Code Analysis Council.

188 Section 3. Section **15A-2-103** is amended to read:

189 **15A-2-103. Specific editions adopted of construction code of a nationally**
190 **recognized code authority.**

191 (1) Subject to the other provisions of this part, the following construction codes are
192 incorporated by reference, and together with the amendments specified in Chapter 3, ~~[Part 3,]~~
193 Statewide Amendments [to International Plumbing] Incorporated as Part of State Construction
194 Code, and Chapter 4, Local Amendments Incorporated as Part of State Construction Code, are
195 the construction standards to be applied to building construction, alteration, remodeling, and
196 repair, and in the regulation of building construction, alteration, remodeling, and repair in the
197 state:

198 (a) the ~~[2015]~~ 2018 edition of the International Building Code, including Appendix J,
199 issued by the International Code Council;

200 (b) the 2015 edition of the International Residential Code, issued by the International
201 Code Council;

202 (c) Appendix Q of the 2018 edition of the International Residential Code, issued by the
203 International Code Council;

204 ~~[(e)]~~ (d) the ~~[2015]~~ 2018 edition of the International Plumbing Code, issued by the
205 International Code Council;

206 ~~[(d)]~~ (e) the ~~[2015]~~ 2018 edition of the International Mechanical Code, issued by the
207 International Code Council;

208 ~~[(e)]~~ (f) the ~~[2015]~~ 2018 edition of the International Fuel Gas Code, issued by the
209 International Code Council;

210 ~~[(f)]~~ (g) the 2017 edition of the National Electrical Code, issued by the National Fire
211 Protection Association;

212 (h) the residential provisions of the 2015 edition of the International Energy
213 Conservation Code, issued by the International Code Council;

214 [~~(g)~~] (i) the [~~2015~~] commercial provisions of the 2018 edition of the International
215 Energy Conservation Code, issued by the International Code Council;

216 [~~(h)~~] (j) the [~~2015~~] 2018 edition of the International Existing Building Code, issued by
217 the International Code Council;

218 [~~(i)~~] (k) subject to Subsection 15A-2-104(2), the HUD Code;

219 [~~(j)~~] (l) subject to Subsection 15A-2-104(1), Appendix E of the 2015 edition of the
220 International Residential Code, issued by the International Code Council; and

221 [~~(k)~~] (m) subject to Subsection 15A-2-104(1), the 2005 edition of the NFPA 225
222 Model Manufactured Home Installation Standard, issued by the National Fire Protection
223 Association.

224 (2) Consistent with Title 65A, Chapter 8, Management of Forest Lands and Fire
225 Control, the Legislature adopts the 2006 edition of the Utah Wildland Urban Interface Code,
226 issued by the International Code Council, with the alternatives or amendments approved by the
227 Utah Division of Forestry, as a construction code that may be adopted by a local compliance
228 agency by local ordinance or other similar action as a local amendment to the codes listed in
229 this section.

230 Section 4. Section **15A-3-102** is amended to read:

231 **15A-3-102. Amendments to Chapters 1 through 3 of IBC.**

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

233 (2) In IBC, Section 110, a new section is added as follows: " 110.3.5.1,
234 Weather-resistant exterior wall envelope. An inspection shall be made of the weather-resistant
235 exterior wall envelope as required by Section [~~1403.2~~] 1404.2, and flashing as required by
236 Section [~~1405.4~~] 1404.4 to prevent water from entering the weather-resistive barrier."

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

241 (4) In IBC, Section 202, the following definition is added for Ambulatory Surgical
242 Center: "AMBULATORY SURGICAL CENTER. A building or portion of a building licensed
243 by the Utah Department of Health where procedures are performed that may render patients
244 incapable of self preservation where care is less than 24 hours. See Utah Administrative Code

245 R432-13."

246 (5) In IBC, Section 202, the following definition is added for Assisted Living Facility:
 247 "ASSISTED LIVING FACILITY. See Residential Treatment/Support Assisted Living Facility,
 248 Type I Assisted Living Facility, and Type II Assisted Living Facility."

249 [~~(5)~~] (6) In IBC, Section 202, the definition for Foster Care Facilities is modified by
 250 [changing] deleting the word "Foster" [to] and replacing it with the word "Child."

251 [~~(6)~~] (7) In IBC, Section 202, the definition for "[F]Record Drawings" is modified by
 252 deleting the words "a fire alarm system" and replacing them with "any fire protection
 253 system."[:]

254 [~~(7)~~] (8) In IBC, Section 202, the following definition is added for Residential
 255 Treatment/Support Assisted Living Facility: "RESIDENTIAL TREATMENT/SUPPORT
 256 ASSISTED LIVING FACILITY. [~~See Section 308.1.2~~] A residential facility that provides a
 257 group living environment for four or more residents licensed by the Department of Human
 258 Services, and provides a protected living arrangement for ambulatory, non-restrained persons
 259 who are capable of achieving mobility sufficient to exit the facility without the physical
 260 assistance of another person."

261 [~~(8)~~] (9) In IBC, Section 202, the following definition is added for Type I Assisted
 262 Living Facility: "TYPE I ASSISTED LIVING FACILITY. [~~See Section 308.1.2~~] A residential
 263 facility licensed by the Department of Health that provides a protected living arrangement,
 264 assistance with activities of daily living and social care to two or more ambulatory,
 265 non-restrained persons who are capable of mobility sufficient to exit the facility without the
 266 assistance of another person. Subcategories are:

267 Limited Capacity: two to five residents;

268 Small: six to sixteen residents; and

269 Large: over sixteen residents."

270 [~~(9)~~] (10) In IBC, Section 202, the following definition is added for Type II Assisted
 271 Living Facility: "TYPE II ASSISTED LIVING FACILITY. [~~See Section 308.1.2~~] A residential
 272 facility licensed by the Department of Health that provides an array of coordinated supportive
 273 personal and health care services to two or more residents who are:

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

275 B. Cognitively impaired or physically disabled but able to evacuate from the facility, or

276 to a zone or area of safety, with the physical assistance of one person. Subcategories are:

277 Limited Capacity: two to five residents;

278 Small: six to sixteen residents; and

279 Large: over sixteen residents."

280 ~~[(10)]~~ (11) In IBC, Section 305.2, ~~[the words "child care centers," are inserted after the~~
 281 ~~word "supervision," and the following sentence is added at the end of the paragraph: "See~~
 282 ~~Section 425 for special requirements for Day Care."]~~ the following changes are made:

283 (a) delete the words "more than five children older than 2 1/2 years of age" and replace
 284 with the words "five or more children 2 years of age or older";

285 (b) after the word "supervision" insert the words "child care services"; and

286 (c) add the following sentence at the end of the paragraph: "See Section 429, Day Care,
 287 for special requirements for day care."

288 ~~[(11)]~~ (12) In IBC, Section 305.2.2 and 305.2.3, the word "five" is deleted and replaced
 289 with the word "four" in ~~[both]~~ all places.

290 ~~[(12)]~~ (13) A new IBC Section 305.2.4 is added as follows: "305.2.4 Child ~~[Day Care~~
 291 ~~-- Residential Certificate or a Family License]~~ day care -- residential child care certificate or a
 292 license. Areas used for child day care purposes with a [Residential Certificate] residential child
 293 care certificate, as described in Utah Administrative Code, R430-50, Residential Certificate
 294 Child Care, or a [Family License] residential child care license, as [defined] described in Utah
 295 Administrative Code, R430-90, Licensed Family Child Care, may be located in a Group R-2 or
 296 R-3 occupancy as provided in [Section 310.5 or shall] Sections 310.3 and 310.4 comply with
 297 the International Residential Code in accordance with Section R101.2."

298 ~~[(13)]~~ (14) A new IBC Section 305.2.5 is added as follows: "305.2.5 ~~[Child Care~~
 299 ~~Centers. Areas used for Hourly Child Care Centers, as defined in Utah Administrative Code,~~
 300 ~~R430-60, Child Care Center as defined in Utah Administrative Code, R430-100, or Out of~~
 301 ~~School Time Programs, as defined in Utah Administrative Code, R430-70, may be classified as~~
 302 ~~accessory occupancies."]~~ Child care centers. Each of the following areas may be classified as
 303 accessory occupancies, if the area complies with Section 508.2:

304 1. Hourly child care centers, as described in Utah Administrative Code, R381-60,
 305 Hourly Child Care Centers;

306 2. Child care centers, as described in Utah Administrative Code, R381-100, Child Care

307 Centers; and

308 3. Out-of-school-time programs, as described in Utah Administrative Code, R381-70,
 309 Out of School Time Child Care Programs."

310 ~~[(14)]~~ (15) In IBC, Table 307.1(1), footnote "d" is added to the row for [~~Consumer~~
 311 ~~fireworks~~] Explosives, Division 1.4G in the column titled STORAGE - Solid Pounds (cubic
 312 feet).

313 ~~[(15) In IBC, Section 308.2, the word "FOSTER" is deleted and replaced with~~
 314 ~~"CHILD."]~~

315 ~~[(16) A new IBC Section 308.2.1 is added as follows: "308.2.1 Assisted living~~
 316 ~~facilities and related occupancies. The following words and terms shall, for the purposes of~~
 317 ~~this section and as used elsewhere in this code, have the meanings shown herein:]~~

318 ~~[TYPE I ASSISTED LIVING FACILITY. A residential facility licensed by the Utah~~
 319 ~~Department of Health that provides a protected living arrangement for ambulatory,~~
 320 ~~non-restrained persons who are capable of achieving mobility sufficient to exit the facility~~
 321 ~~without the assistance of another person.]~~

322 ~~[Occupancies. Limited capacity, type I assisted living facilities with two to five residents shall~~
 323 ~~be classified as R-3 occupancies. Small, type I assisted living facilities with six to sixteen~~
 324 ~~residents shall be classified as R-4 occupancies. Large, type I assisted living facilities with~~
 325 ~~over sixteen residents shall be classified as I-1 occupancies.]~~

326 ~~[TYPE II ASSISTED LIVING FACILITY. A residential facility licensed by the Utah~~
 327 ~~Department of Health that provides an array of coordinated supportive personal and health care~~
 328 ~~services to residents who meet the definition of semi-independent.]~~

329 ~~[Semi-Independent. A person who is:]~~

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

331 ~~[B. Cognitively impaired or physically disabled but able to evacuate from the facility with the~~
 332 ~~physical assistance of one person.]~~

333 ~~[Occupancies. Limited capacity, type II assisted living facilities with two to five residents shall~~
 334 ~~be classified as R-4 occupancies. Small, type II assisted living facilities with six to sixteen~~
 335 ~~residents shall be classified as I-1 occupancies. Large, type II assisted living facilities with~~
 336 ~~over sixteen residents shall be classified as I-2 occupancies.]~~

337 ~~[RESIDENTIAL TREATMENT/SUPPORT ASSISTED LIVING FACILITY. A residential~~

338 ~~treatment/support assisted living facility which creates a group living environment for four or~~
339 ~~more residents licensed by the Utah Department of Human Services, and provides a protected~~
340 ~~living arrangement for ambulatory, non-restrained persons who are capable of achieving~~
341 ~~mobility sufficient to exit the facility without the physical assistance of another person."]~~

342 [~~(17) In IBC, Section 308.3, the words "(see Section 308.2.1)" are added after the~~
343 ~~words "assisted living facilities."~~]

344 (16) In IBC, Section 308.2, in the list of items under "This group shall include," the
345 words "Type-I Large and Type-II Small, see Section 308.2.5" are added after "Assisted living
346 facilities."

347 [~~(18)~~ (17) In IBC, Section ~~[308.3.4]~~ 308.2.4, all of the words after the first
348 International Residential Code are deleted.

349 [~~(19) In IBC, Section 308.4, the following changes are made:]~~

350 [~~(a) The words "five persons" are deleted and replaced with the words "three persons."~~]

351 [~~(b) The words "foster care facilities" are deleted and replaced with "child care~~
352 ~~facilities."~~]

353 [~~(c) The words "(both intermediate care facilities and skilled nursing facilities)" are~~
354 ~~added after "nursing homes."~~]

355 [~~(20) In IBC, Section 308.4.2, the word "five" is deleted and replaced with the word~~
356 ~~"three" in both places:]~~

357 (18) A new IBC, Section 308.2.5 is added as follows:

358 "308.2.5 Group I-1 assisted living facility occupancy groups. The following occupancy
359 groups shall apply to assisted living facilities:

360 Type I assisted living facilities with seventeen or more residents are Large Facilities
361 classified as an Institutional Group I-1, Condition 1 occupancy.

362 Type II assisted living facilities with six to sixteen residents are Small Facilities
363 classified as an Institutional Group I-1, Condition 2 occupancy. See Section 202 for
364 definitions."

365 (19) In IBC, Section 308.3 Institutional Group I-2, the following changes are made:

366 (a) The words "more than five" are deleted and replaced with "four or more";

367 (b) The group "Assisted living facilities, Type-II Large" is added to the list of groups;

368 (c) The words "Foster care facilities" are deleted and replaced with the words "Child

369 care facilities"; and

370 (d) The words "(both intermediate care facilities and skilled nursing facilities)" are
 371 added after "Nursing homes."

372 (20) In IBC, Section 308.3.2, the number "five" is deleted and replaced with the
 373 number "four" in each location.

374 (21) A new IBC, Section 308.3.3 is added as follows:

375 "308.3.3 Group I-2 assisted living facilities. Type II assisted living facilities with
 376 seventeen or more residents are Large Facilities classified as an Institutional Group I-2,
 377 Condition 1 occupancy. See Section 202 for definitions."

378 ~~[(21)]~~ (22) In IBC, Section ~~[308.6]~~ 308.5, the ~~[word "five" is]~~ words "more than five"
 379 are deleted and replaced with the ~~[word "four."]~~ words "five or more."

380 ~~[(22)]~~ (23) In IBC, Section ~~[308.6.1]~~ 308.5.1, the following changes are made:

381 (a) ~~[The word "five" is]~~ The words "more than five" are deleted and replaced with the
 382 ~~[word "four."]~~ words "five or more."

383 (b) The words "2-1/2 years or less of age" are deleted and replaced with "under the age
 384 of two."

385 (c) The following sentence is added at the end: "See Section ~~[427]~~ 429 for special
 386 requirements for Day Care."

387 ~~[(23)]~~ (24) In IBC, Sections ~~[308.6.3]~~ 308.5.3 and ~~[308.6.4]~~ 308.5.4, the ~~[word "five"~~
 388 is] words "five or fewer" are deleted and replaced with the ~~[word "four"]~~ words "four or fewer"
 389 in both places and the following sentence is added at the end: "See Section ~~[427]~~ 429 for
 390 special requirements for Day Care."

391 ~~[(24)]~~ (25) In IBC, Section ~~[310.5;]~~ 310.4, the following changes are made:

392 (a) ~~[the]~~ The words "and single family dwellings complying with the IRC" are added
 393 after "Residential Group-3 occupancies."

394 (b) The words "Assisted Living Facilities, limited capacity" are added to the list of
 395 occupancies.

396 ~~[(25)]~~ (26) In IBC, Section ~~[310.5.1;]~~ 310.4.1, the following changes are made:

397 (a) ~~[the]~~ The words "other than Child Care" are inserted after the ~~[word "dwelling"]~~
 398 words "Care facilities" in the first sentence ~~[and]~~.

399 (b) All of the words after the first "International Residential Code" are deleted.

400 (c) ~~[the]~~ The following sentence is added at the end of the last sentence: "See Section
401 ~~[427]~~ 429 for special requirements for Child Day Care."

402 ~~[(26)]~~ (27) A new IBC Section ~~[310.5.3]~~ 310.4.3 is added as follows: "~~[310.5.3]~~
403 310.4.3 Child Care. Areas used for child care purposes may be located in a residential
404 dwelling unit under all of the following conditions and Section ~~[427]~~ 429:

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

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

410 a. Utah Administrative Code, R430-50, Residential Certificate Child Care.

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

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

413 ~~[(27) In IBC, Section 310.6, the words "(see Section 308.2.1)" are added after "assisted~~
414 ~~living facilities."]~~

415 (28) A new IBC, Section 310.4.4 is added as follows: "310.4.4 Assisted living
416 facilities. Type I assisted living facilities with two to five residents are Limited Capacity
417 facilities classified as a Residential Group R-3 occupancy or are permitted to comply with the
418 International Residential Code. See Section 202 for definitions."

419 (29) In IBC, Section 310.5, the words "Type II Limited Capacity and Type I Small, see
420 Section 310.5.3" are added after the words "assisted living facilities."

421 (30) A new IBC, Section 310.5.3, is added as follows: "310.5.3 Group R-4 Assisted
422 living facility occupancy groups. The following occupancy groups shall apply to Assisted
423 Living Facilities: Type II Assisted Living Facilities with two to five residents are Limited
424 Capacity Facilities classified as a Residential Group R-4, Condition 2 occupancy. Type I
425 assisted living facilities with six to sixteen residents are Small Facilities classified as
426 Residential Group R-4, Condition 1 occupancies. See Section 202 for definitions."

427 Section 5. Section **15A-3-103** is amended to read:

428 **15A-3-103. Amendments to Chapters 4 through 6 of IBC.**

429 (1) IBC Section 403.5.5 is deleted.

430 (2) In IBC, Section 407.2.5, the words "and assisted living facility" are added in the

431 title and first sentence after the words "nursing home."

432 (3) In IBC, Section 407.2.6, the words "and assisted living facility" are added in the
433 title after the words "nursing home."

434 (4) In IBC, Section 407.11, a new exception is added as follows: "Exception: An
435 essential electrical system is not required in assisted living facilities."

436 [~~2~~] (5) A new IBC, Section [~~422.2, a new paragraph~~] 422.2.1 is added as follows:
437 "[~~422.2~~] 422.2.1 Separations: Ambulatory care facilities licensed by the [~~Utah~~] Department of
438 Health shall be separated from adjacent tenants with a fire partition having a minimum one
439 hour fire-resistance rating. Any level below the level of exit discharge shall be separated from
440 the level of exit discharge by a horizontal assembly having a minimum one hour fire-resistance
441 rating.

442 Exception: A fire barrier is not required to separate the level of exit discharge when:

- 443 1. Such levels are under the control of the Ambulatory Care Facility.
- 444 2. Any hazardous spaces are separated by horizontal assembly having a minimum one hour
445 fire-resistance rating."

446 [~~3~~] (6) A new IBC Section [~~427~~] 429, Day Care, is added as follows:

447 "[~~427.1~~] 429.1 Detailed Requirements. In addition to the occupancy and construction
448 requirements in this code, the additional provisions of this section shall apply to all Day Care in
449 accordance with Utah Administrative Code R710-8 Day Care Rules.

450 [~~427.2~~] 429.2 Definitions.

451 [~~427.2.1~~] 429.2.1 Authority Having Jurisdiction (AHJ): State Fire Marshal, his duly authorized
452 deputies, or the local fire enforcement authority code official.

453 [~~427.2.2~~] 429.2.2 Day Care Facility: Any building or structure occupied by clients of any age
454 who receive custodial care for less than 24 hours by individuals other than parents, guardians,
455 relatives by blood, marriage or adoption.

456 [~~427.2.3~~] 429.2.3 Day Care Center: Providing care for five or more clients in a place other than
457 the home of the person cared for. This would also include Child Care Centers, Out of School
458 Time or Hourly Child Care Centers licensed by the Department of Health.

459 [~~427.2.4~~] 429.2.4 Family Day Care: Providing care for clients listed in the following two
460 groups:

461 [~~427.2.4.1~~] 429.2.4.1 Type 1: Services provided for five to eight clients in a home. This would

462 also include a home that is certified by the Department of Health as Residential Certificate
463 Child Care or licensed as Family Child Care.

464 [~~427.2.4.2~~] 429.2.4.2 Type 2: Services provided for nine to sixteen clients in a home with
465 sufficient staffing. This would also include a home that is licensed by the Department of
466 Health as Family Child Care.

467 [~~427.2.5~~] 429.2.5 R710-8: Utah Administrative Code, R710-8, Day Care Rules, as enacted
468 under the authority of the Utah Fire Prevention Board.

469 [~~427.3~~] 429.3 Family Day Care.

470 [~~427.3.1~~] 429.3.1 Family Day Care units shall have on each floor occupied by clients, two
471 separate means of egress, arranged so that if one is blocked the other will be available.

472 [~~427.3.2~~] 429.3.2 Family Day Care units that are located in the basement or on the second story
473 shall be provided with two means of egress, one of which shall discharge directly to the
474 outside.

475 [~~427.3.2.1~~] 429.3.2.1 Residential Certificate Child Care and Licensed Family Child Care with
476 five to eight clients in a home, located on the ground level or in a basement, may use an
477 emergency escape or rescue window as allowed in IFC, Chapter 10, Section 1030.

478 [~~427.3.3~~] 429.3.3 Family Day Care units shall not be located above the second story.

479 [~~427.3.4~~] 429.3.4 In Family Day Care units, clients under the age of two shall not be located
480 above or below the first story.

481 [~~427.3.4.1~~] 429.3.4.1 Clients under the age of two may be housed above or below the first story
482 where there is at least one exit that leads directly to the outside and complies with IFC, Section
483 1011 or Section 1012 or Section 1027.

484 [~~427.3.5~~] 429.3.5 Family Day Care units located in split entry/split level type homes in which
485 stairs to the lower level and upper level are equal or nearly equal, may have clients housed on
486 both levels when approved by the AHJ.

487 [~~427.3.6~~] 429.3.6 Family Day Care units shall have a portable fire extinguisher on each level
488 occupied by clients, which shall have a classification of not less than 2A:10BC, and shall be
489 serviced in accordance with NFPA, Standard 10, Standard for Portable Fire Extinguishers.

490 [~~427.3.7~~] 429.3.7 Family Day Care units shall have single station smoke detectors in good
491 operating condition on each level occupied by clients. Battery operated smoke detectors shall
492 be permitted if the facility demonstrates testing, maintenance, and battery replacement to insure

493 continued operation of the smoke detectors.

494 [427.3.8] 429.3.8 Rooms in Family Day Care units that are provided for clients to sleep or nap,
495 shall have at least one window or door approved for emergency escape.

496 [427.3.9] 429.3.9 Fire drills shall be conducted in Family Day Care units quarterly and shall
497 include the complete evacuation from the building of all clients and staff. At least annually, in
498 Type I Family Day Care units, the fire drill shall include the actual evacuation using the escape
499 or rescue window, if one is used as a substitute for one of the required means of egress.

500 [427.4] 429.4 Day Care Centers.

501 [427.4.1] 429.4.1 Day Care Centers shall comply with either I-4 requirements or E
502 requirements of the IBC, whichever is applicable for the type of Day Care Center.

503 [427.4.2] 429.4.2 Emergency Evacuation Drills shall be completed as required in IFC, Chapter
504 4, Section 405.

505 [427.4.3] 429.4.3 Location at grade. Group E child day care centers shall be located at the
506 level of exit discharge.

507 [427.4.3.1] 429.4.3.1 Child day care spaces for children over the age of 24 months may be
508 located on the second floor of buildings equipped with automatic fire protection throughout
509 and an automatic fire alarm system.

510 [427.4.4] 429.4.4 Egress. All Group E child day care spaces with an occupant load of more
511 than 10 shall have a second means of egress. If the second means of egress is not an exit door
512 leading directly to the exterior, the room shall have an emergency escape and rescue window
513 complying with Section 1030.

514 [427.4.5] 429.4.5 All Group E Child Day Care Centers shall comply with Utah Administrative
515 Code, R430-100 Child Care Centers, R430-60 Hourly Child Care Centers, and R430-70 Out of
516 School Time.

517 [427.5] 429.5 Requirements for all Day Care.

518 [427.5.1] 429.5.1 Heating equipment in spaces occupied by children shall be provided with
519 partitions, screens, or other means to protect children from hot surfaces and open flames.

520 [427.5.2] 429.5.2 A fire escape plan shall be completed and posted in a conspicuous place. All
521 staff shall be trained on the fire escape plan and procedure."

522 [~~(4)~~] (7) In IBC, Section 504.4, a new section is added as follows: "504.4.1

523 Notwithstanding the exceptions to Section 504.2, Group I-2 Assisted Living Facilities shall be

524 allowed on each level of a two-story building of Type V-A construction when all of the
525 following apply:

- 526 1. All secured units are located at the level of exit discharge in compliance with Section
- 527 1010.1.9.3 as amended;
- 528 2. The total combined area of both stories shall not exceed the total allowable area for a
- 529 one-story building; and
- 530 3. All other provisions that apply in Section 407 have been provided."

531 (8) In IBC, Section 504.4, a new section is added as follows: "504.4.2 Group I-2
532 Assisted Living Facilities. Notwithstanding the allowable number of stories permitted by Table
533 504.4 Group I-2 Assisted Living Facilities of type VA, construction shall be allowed on each
534 level of a two-story building when all of the following apply:

- 535 1. The total combined area of both stories does not exceed the total allowable area for a
- 536 one-story, above grade plane building equipped throughout with an automatic sprinkler system
- 537 installed in accordance with Section 903.3.1.1.
- 538 2. All other provisions that apply in Section 407 have been provided.

539 (9) A new IBC, Section 504.5, is added as follows: "504.5 Group 1-2 Secured areas in
540 Assisted Living Facilities. In Type IIIB, IV, and V construction, all areas for the use and care of
541 residents required to be secured shall be located on the level of exit discharge with door
542 operations in compliance with Section 1010.1.9.7, as amended."

543 Section 6. Section **15A-3-104** is amended to read:

544 **15A-3-104. Amendments to Chapters 7 through 9 of IBC.**

545 (1) In IBC, Section 704.13.2, the following sentence is added to the end of the section:
546 "An individual spraying fire-resistant materials may obtain a certificate that demonstrates that
547 the individual has undergone training on how to spray fire-resistant materials to manufacturer's
548 specifications."

549 (2) IBC, Section (F)~~901.8~~ 902.1, is deleted and replaced with the following:
550 "(F)~~901.8~~ 902.1 Pump and riser room size. Fire pump and automatic sprinkler system riser
551 rooms shall be designed with adequate space for all installed equipment necessary for the
552 installation and to provide sufficient working space around the stationary equipment.
553 Clearances around equipment shall be in accordance with manufacturer requirements and not
554 less than the following minimum elements:

555 [901.8.1] 902.1.5 A minimum clear and unobstructed distance of 12-inches shall be provided
556 from the installed equipment to the elements of permanent construction.

557 [901.8.2] 902.1.6 A minimum clear and unobstructed distance of 12-inches shall be provided
558 between all other installed equipment and appliances.

559 [901.8.3] 902.1.7 A clear and unobstructed width of 36-inches shall be provided in front of all
560 installed equipment and appliances, to allow for inspection, service, repair or replacement
561 without removing such elements of permanent construction or disabling the function of a
562 required fire-resistance-rated assembly.

563 [901.8.4] 902.1.8 Automatic sprinkler system riser rooms shall be provided with a clear and
564 unobstructed passageway to the riser room of not less than 36-inches, and openings into the
565 room shall be clear and unobstructed, with doors swinging in the outward direction from the
566 room and the opening providing a clear width of not less than 34-inches and a clear height of
567 the door opening shall not be less than 80-inches.

568 [901.8.5] 902.1.9 Fire pump rooms shall be provided with a clear and unobstructed
569 passageway to the fire pump room of not less than 72-inches, and openings into the room shall
570 be clear, unobstructed and large enough to allow for the removal of the largest piece of
571 equipment, with doors swinging in the outward direction from the room and the opening
572 providing a clear width of not less than 68-inches and a clear height of the door opening shall
573 not be less than 80-inches."

574 (3) In IBC, Section (F)903.2.2, the words "the entire floor" are deleted and replaced
575 with "a building" and the last paragraph is deleted.

576 (4) IBC, Section (F)903.2.4, condition 2, is deleted and replaced with the following: "2.
577 A Group F-1 fire area is located more than three stories above the lowest level of fire
578 department vehicle access."

579 (5) IBC, Section (F)903.2.7, condition 2, is deleted and replaced with the following: "2.
580 A Group M fire area is located more than three stories above the lowest level of fire department
581 vehicle access."

582 (6) IBC, Sections (F)903.2.8, (F)903.2.8.1, and (F)903.2.8.2, [~~and (F)903.2.8.4,~~] are
583 deleted and replaced with the following: "(F)903.2.8 Group R. An automatic sprinkler system
584 installed in accordance with Section 903.3 shall be provided throughout all buildings with a
585 Group R fire area.

586 Exceptions:

587 1. Detached one- and two-family dwellings and multiple single-family dwellings (townhouses)
588 constructed in accordance with the International Residential Code For One- and Two-Family
589 Dwellings.

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

593 (7) IBC, [~~Sections~~] Section (F)903.2.8.3 [~~and (F)903.2.8.3.1, are~~] is renumbered to
594 (F)903.2.8.1 [~~and (F)903.2.8.1.1.~~] and the following exception is added:

595 [~~(8) IBC, Section (F)903.2.8.3.2, is renumbered to (F)903.2.8.1.2 and the following~~
596 ~~exception is added:~~]

597 "Exception: Group R-4 fire areas not more than 4,500 gross square feet and not containing
598 more than 16 residents, provided the building is equipped throughout with an approved fire
599 alarm system that is interconnected and receives its primary power from the building wiring
600 and a commercial power system."

601 [~~(9)~~] (8) IBC, Section (F)903.2.8.4, is deleted.

602 [~~(10)~~] (9) IBC, Section (F)903.2.9, condition 2, is deleted and replaced with the
603 following: "2. A Group S-1 fire area is located more than three stories above the lowest level
604 of fire department vehicle access."

605 [~~(11)~~] (10) IBC, Section (F)904.12, is deleted and replaced with the following:
606 "(F)904.12 Commercial cooking systems. The automatic fire-extinguishing system for
607 commercial cooking systems shall be of a type recognized for protection of commercial
608 cooking equipment and exhaust systems. Pre-engineered automatic extinguishing systems
609 shall be tested in accordance with UL 300 and listed and labeled for the intended application.
610 The system shall be installed in accordance with this code, its listing and the manufacturer's
611 installation instructions.

612 Exception: Factory-built commercial cooking recirculating systems that are tested in
613 accordance with UL 710B and listed, labeled, and installed in accordance with Section 304.1 of
614 the International Mechanical Code."

615 [~~(12)~~] (11) IBC, Sections (F)904.12.3, (F)904.12.3.1, (F)904.12.4, and (F)904.12.4.1,
616 are deleted.

617 ~~[(13)]~~ (12) In IBC, Section 905, a new subsection, Section (F)905.3.9, is added as
618 follows:

619 "Open Parking Garages. Open parking garages shall be equipped with an approved
620 Class 1 manual standpipe system when fire department access is not provided for firefighting
621 operations to within 150 feet of all portions of the open parking garage as measured from the
622 approved fire department vehicle access. Class 1 manual standpipe shall be accessible
623 throughout the parking garage such that all portions of the parking structure are protected
624 within 150 feet of a hose connection."

625 ~~[(14)]~~ (13) In IBC, Section (F)905.8, the exception is deleted and replaced with the
626 following:

627 "Exception: Where subject to freezing and approved by the fire code official."

628 ~~[(15)]~~ (14) In IBC, Section (F)907.2.3 Group E~~[, the first sentence]~~ is deleted and
629 rewritten as follows: "A manual fire alarm system that ~~[activates]~~ initiates the occupant
630 notification signal using an emergency voice/alarm communication system ~~[in accordance~~
631 ~~with]~~ that meets the requirements of Section (F)~~[907.5 shall be]~~ 907.5.2.2, or a manual fire
632 alarm system that initiates an approved audible and visual occupant notification signal that
633 meets the requirements of Sections (F)907.5.2.1, (F)907.5.2.1.1, (F)907.5.2.2, and
634 (F)907.5.2.3, and is installed[;] in accordance with Section (F)907.6 [and administrative rules
635 made by the State Fire Prevention Board in Group E occupancies." shall be installed in Group
636 E occupancies. Where automatic sprinkler systems or detectors are installed, the systems or
637 detectors shall be connected to the building fire alarm system."

638 ~~[(16)]~~ (15) IBC, Sections (F)915 through (F)915.6, are deleted and replaced with the
639 following:

640 "(F)915 Where required.

641 Group I-1, I-2, I-4, and R occupancies located in a building containing a fuel-burning appliance
642 or in a building that has an attached garage shall be equipped with single-station carbon
643 monoxide alarms. The carbon monoxide alarms shall be listed as complying with UL 2034 or
644 UL 2075 and be installed and maintained in accordance with NFPA 720 and the manufacturer's
645 instructions. An open parking garage, as defined in Chapter 2, or an enclosed parking garage,
646 ventilated in accordance with Section 404 of the International Mechanical Code, shall not be
647 considered an attached garage. A minimum of one carbon monoxide alarm shall be installed

648 on each habitable level.

649 (F)915.1 Interconnection.

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

656 (F)915.2 Power source.

657 In new construction, required carbon monoxide alarms shall receive their primary power from
658 the building wiring where such wiring is served from a commercial source and shall be
659 equipped with a battery backup. Carbon monoxide alarms with integral strobes that are not
660 equipped with a battery backup shall be connected to an emergency electrical system. Carbon
661 monoxide alarms shall emit a signal when the batteries are low. Wiring shall be permanent and
662 without a disconnecting switch other than as required for overcurrent protection.

663 Exceptions.

664 1. Carbon monoxide alarms are not required to be equipped with a battery backup where they
665 are connected to an emergency electrical system.

666 2. Hard wiring of carbon monoxide alarms in existing areas shall not be required where the
667 alterations or repairs do not result in the removal of interior wall or ceiling finishes exposing
668 the structure, unless there is an attic, crawl space, or basement available that could provide
669 access for hard wiring without the removal of interior finishes.

670 (F)915.3 Group E.

671 A carbon monoxide detection system shall be installed in new buildings that contain Group E
672 occupancies in accordance with IFC, Chapter 9, Section 915. A carbon monoxide detection
673 system shall be installed in existing buildings that contain Group E occupancies in accordance
674 with IFC, Chapter 11, Section 1103.9.

675 (F)915.3.1 Where required.

676 In Group E occupancies, a carbon monoxide detection system shall be provided where a
677 fuel-burning appliance, a fuel-burning fireplace, or a fuel-burning forced air furnace is present.

678 (F)915.3.2 Detection equipment.

679 Each carbon monoxide detection system shall be installed in accordance with NFPA 720 and
680 the manufacturer's instructions and be listed as complying with, for single station detectors, UL
681 2034 and, for system detectors, UL 2075.

682 (F)915.3.3 Locations.

683 Each carbon monoxide detection system shall be installed in the locations specified in NFPA
684 720.

685 (F)915.3.4 Combination detectors.

686 A combination carbon monoxide/smoke detector is an acceptable alternative to a carbon
687 monoxide detection system if the combination carbon monoxide/smoke detector is listed in
688 accordance with UL 2075 and UL 268.

689 (F)915.3.5 Power source.

690 Each carbon monoxide detection system shall receive primary power from the building wiring
691 if the wiring is served from a commercial source. If primary power is interrupted, each carbon
692 monoxide detection system shall receive power from a battery. Wiring shall be permanent and
693 without a disconnecting switch other than that required for overcurrent protection.

694 (F)915.3.6 Maintenance.

695 Each carbon monoxide detection system shall be maintained in accordance with NFPA 720. A
696 carbon monoxide detection system that becomes inoperable or begins to produce end of life
697 signals shall be replaced."

698 Section 7. Section **15A-3-105** is amended to read:

699 **15A-3-105. Amendments to Chapters 10 through 12 of IBC.**

700 (1) In IBC, Section 1010.1.9, an exception is added as follows: "Exception: Group E
701 occupancies for purposes of a lockdown or a lockdown drill in accordance with Section
702 1010.1.9.5 Exception 5."

703 (2) In IBC, Section 1010.1.9.2, "Exception:" is deleted and replaced with "Exceptions:
704 1."

705 (3) In IBC, Section 1010.1.9.2, a new exception 2 is added as follows: "2. Group E
706 occupancies for purposes of a lockdown or a lockdown drill may have one lock below 34
707 inches in accordance with Section 1010.1.9.5 Exception 5."

708 (4) In IBC, Section [~~1010.1.9.3~~] 1010.1.9.4, a new number [6] 7 is added as follows:
709 "[6] 7. Group E occupancies for purposes of a lockdown or a lockdown drill in accordance with

710 Section 1010.1.9.5 Exception 5."

711 (5) In IBC, Section [~~1010.1.9.4~~] 1010.1.9.5, a new exception 6 is added as follows: "6.
712 Group E occupancies for purposes of a lockdown or a lockdown drill in accordance with
713 Section 1010.1.9.5 Exception 5."

714 (6) In IBC, Section [~~1010.1.9.5~~] 1010.1.9.6, a new exception 5 is added as follows: "5.
715 Group E occupancies may have a second lock on classrooms for purposes of a lockdown or
716 lockdown drill, if:

717 5.1 The application of the lock is approved by the code official.

718 5.2 The unlatching of any door or leaf does not require more than two operations.

719 5.3 The lock can be released from the opposite side of the door on which it is installed.

720 5.4 The lock is only applied during lockdown or during a lockdown drill.

721 5.5 The lock complies with all other state and federal regulations, including the
722 Americans with Disabilities Act of 1990, 42 U.S.C. Sec. 12101 et seq."

723 (7) In IBC, Section [~~1010.1.9.6~~] 1010.1.9.7, a new number 9 is added as follows: " 9.
724 The secure area or unit with special egress locks shall be located at the level of exit discharge
725 in Type IIIB, IV, and V construction."

726 (8) In IBC, Section 1011.5.2, exception 3 is deleted and replaced with the following: "
727 3. In Group R-3 occupancies, within dwelling units in Group R-2 occupancies, and in Group U
728 occupancies that are accessory to a Group R-3 occupancy, or accessory to individual dwelling
729 units in Group R-2 occupancies, the maximum riser height shall be 8 inches (203 mm) and the
730 minimum tread depth shall be 9 inches (229 mm). The minimum winder tread depth at the
731 walk line shall be 10 inches (254 mm), and the minimum winder tread depth shall be 6 inches
732 (152 mm). A nosing not less than 0.75 inch (19.1 mm) but not more than 1.25 inches (32 mm)
733 shall be provided on stairways with solid risers where the tread depth is less than 10 inches
734 (254 mm)."

735 (9) In IBC, Section 1011.11, a new exception 5 is added as follows: " 5. In
736 occupancies in Group R-3, as applicable in Section 101.2 and in occupancies in Group U,
737 which are accessory to an occupancy in Group R-3, as applicable in Section 101.2, handrails
738 shall be provided on at least one side of stairways consisting of four or more risers."

739 (10) In IBC, Section 1013.5, the words ", including when the building may not be fully
740 occupied" are added at the end of the sentence.

741 (11) IBC, Section 1025, is deleted.

742 (12) In IBC, Section [~~1029.14~~] 1029.15, exception 2 is deleted.

743 [~~(13) In IBC, Section 1109.8, the following words "shall be capable of operation~~
744 ~~without a key and" are inserted in the second sentence between the words "lift" and "shall".]~~

745 [(14)] (13) In IBC, Section [~~1208.4~~] 1207.4, subparagraph 1 is deleted and replaced
746 with the following: "1. The unit shall have a living room of not less than 165 square feet (15.3
747 m²) of floor area. An additional 100 square feet (9.3 m²) of floor area shall be provided for
748 each occupant of such unit in excess of two."

749 Section 8. Section **15A-3-107** is amended to read:

750 **15A-3-107. Amendments to Chapter 16 of IBC.**

751 (1) In IBC, Table 1604.5, Risk Category III, in the sentence that begins "Group I-2
752 Condition 1," a new footnote c is added as follows: "c. Type II Assisted Living Facilities that
753 are I-2 Condition 1 occupancy classifications in accordance with Section 308 shall be Risk
754 Category II in this table."

755 (2) In IBC, Section 1605.2, in the portion of the definition for the value of f_2 , the words
756 "and 0.2 for other roof configurations" are deleted and replaced with the following: " $f_2 = 0.20 +$
757 $.025(A-5)$ for other configurations where roof snow load exceeds 30 psf;
758 $f_2 = 0$ for roof snow loads of 30 psf (1.44kN/m²) or less.
759 Where A = Elevation above sea level at the location of the structure (ft./1,000)."

760 (3) In IBC, Sections 1605.3.1 and 1605.3.2, exception 2 in each section is deleted and
761 replaced with the following: "2. Flat roof snow loads of 30 pounds per square foot (1.44
762 kNm²) or less need not be combined with seismic loads. Where flat roof snow loads exceed 30
763 pounds per square foot (1.44 kNm²), the snow loads may be reduced in accordance with the
764 following in load combinations including both snow and seismic loads. [~~W_s~~] S as calculated
765 below, shall be combined with seismic loads.

766 [~~W_s~~] S = (0.20 + 0.025(A-5)) P_f is greater than or equal to 0.20 P_f .

767 Where:

768 [~~W_s~~] S = Weight of snow to be [~~included~~] used in combination with seismic [~~calculations~~]
769 loads

770 A = Elevation above sea level at the location of the structure (ft./1,000)

771 P_f = Design roof snow load, psf.

772 For the purpose of this section, snow load shall be assumed uniform on the roof footprint
 773 without including the effects of drift or sliding. The Importance Factor, I, used in calculating P_f
 774 may be considered 1.0 for use in the formula for W_s ".

775 (4) IBC, Section 1608.1, is deleted and replaced with the following: "1608.1 General.
 776 Except as modified in Sections 1608.1.1, 1608.1.2, and 1608.1.3, design snow loads shall be
 777 determined in accordance with Chapter 7 of ASCE 7, but the design roof load shall not be less
 778 than that determined by Section 1607. Where the minimum live load, in accordance with
 779 Section 1607, is greater than the design roof snow load, p_f , the live load shall be used for
 780 design, but it may not be reduced to a load lower than the design roof snow load. Drifting need
 781 not be considered for roof snow loads, p_f , less than 20 psf."

782 (5) A new IBC, Section 1608.1.1, is added as follows: "1608.1.1 Ice dams and icicles
 783 along eaves. Section 7.4.5 of Chapter 7 of ASCE 7 referenced in IBC Section 1608.1 [~~of the~~
 784 ~~IBC~~] is deleted and replaced with the following: [~~Section~~] 7.4.5 Ice Dams and Icicles Along
 785 Eaves. Where ground snow loads exceed 75 psf, eaves shall be capable of sustaining a
 786 uniformly distributed load of $2p_f$ on all overhanging portions. No other loads except dead
 787 loads shall be present on the roof when this uniformly distributed load is applied. All building
 788 exits under down-slope eaves shall be protected from sliding snow and ice."

789 [~~(6) In IBC, Section 1608.1.2, a new section is added as follows: "1608.1.2 Utah Snow~~
 790 ~~Loads. The snow loads specified in Table 1608.1.2(b) shall be used for the jurisdictions~~
 791 ~~identified in that table. Otherwise, the ground snow load, P_g , to be used in the determination of~~
 792 ~~design snow loads for buildings and other structures shall be determined by using the following~~
 793 ~~formula: $P_g = (P_o^2 + S^2(A - A_o)^2)^{0.5}$ for A greater than A_o , and $P_g = P_o$ for A less than or equal to~~
 794 ~~A_o .]~~

795 [~~WHERE:~~]

796 [~~P_g = Ground snow load at a given elevation (psf);]~~

797 [~~P_o = Base ground snow load (psf) from Table No. 1608.1.2(a);]~~

798 [~~S = Change in ground snow load with elevation (psf/100 ft.) From Table No. 1608.1.2(a);]~~

799 [~~A = Elevation above sea level at the site (ft./1,000);]~~

800 [~~A_o = Base ground snow elevation from Table 1608.1.2(a) (ft./1,000).]~~

801 [~~The building official may round the roof snow load to the nearest 5 psf. The ground snow~~

802 ~~load, P_g , may be adjusted by the building official when a licensed engineer or architect submits~~

803 data substantiating the adjustments.]

804 [~~Where the minimum roof live load in accordance with Section 1607.12 is greater than the~~
 805 ~~design roof snow load, such roof live load shall be used for design, however, it shall not be~~
 806 ~~reduced to a load lower than the design roof snow load. Drifting need not be considered for~~
 807 ~~roof snow loads less than 20 psf."]~~

808 (6) A new IBC, Section 1608.1.2, is added as follows: "1608.1.2 Thermal factor. The
 809 value for the thermal factor, Ct, used in calculation of pf shall be determined from Table 7.3-2
 810 in ASCE 7. Exception: Except for unheated structures, the value of Ct need not exceed 1.0
 811 when ground snow load, pg, is calculated using Section 1608.2.1."

812 [(7) IBC, Table 1608.1.2(a) and Table 1608.1.2(b), are added as follows:]

["TABLE NO. 1608.1.2(a)				
- STATE OF UTAH - REGIONAL SNOW LOAD FACTORS				
-	COUNTY	P_g	S	A_g
815	Beaver	43	63	6.2
816	Box Elder	43	63	5.2
817	Cache	50	63	4.5
818	Carbon	43	63	5.2
819	Daggett	43	63	6.5
820	Davis	43	63	4.5
821	Duchesne	43	63	6.5
822	Emery	43	63	6.0
823	Garfield	43	63	6.0
824	Grand	36	63	6.5
825	Iron	43	63	5.8
826	Juab	43	63	5.2
827	Kane	36	63	5.7
828	Millard	43	63	5.3
829	Morgan	57	63	4.5
830	Piute	43	63	6.2

832	-	Rich	57	63	4.1
833	-	Salt Lake	43	63	4.5
834	-	San Juan	43	63	6.5
835	-	Sanpete	43	63	5.2
836	-	Sevier	43	63	6.0
837	-	Summit	86	63	5.0
838	-	Touche	43	63	4.5
839	-	Uintah	43	63	7.0
840	-	Utah	43	63	4.5
841	-	Wasatch	86	63	5.0
842	-	Washington	29	63	6.0
843	-	Wayne	36	63	6.5
844	-	Weber	43	63	4.5

845 ~~TABLE NO. 1608.1.2(B)~~

846 ~~REQUIRED SNOW LOADS FOR SELECTED UTAH CITIES AND TOWNS^{1,2}~~

847 The following jurisdictions require design snow load values that differ from the Equation in the Utah Snow Load Study:

848	County	City	Elevation	Ground Snow Load (psf)	Roof Snow Load (psf) ⁶
849	Carbon	Price ^{3]} [All other county locations ⁵	5550] [=	43] [=	30] [=
850	Davis	Fruit Heights ³	4500 - 4850	57	40
851	Emery	Green River ³	4070	36	25
852	Garfield	Panguitch ³	6600	43	30
853	Rich	Woodruff ^{3]} [Laketown ^{4]} [Garden City ^{5]} [Randolph ⁴	6315] [6000] [= [6300	57] [57] [= [57	40] [40] [= [40
854	San Juan	Monticello ³	6820	50	35

855	Summit	Coalville ^{3]} [Kamas ^{4]}	5600] [6500	86] [114	60] [80
856	Tooee	Tooee ^{3]}	5100	43	30
857	Utah	Orem ^{3]} [Pleasant Grove ^{4]} [Provo ^{5]}	4650] [5000] [=	43] [43] [=	30] [30] [=
858	Wasatch	Heber ^{5]}	=	=	=
859	Washington	Leeds ^{3]} [Santa Clara ^{3]} [St. George ^{3]} [All other county locations ^{5]}	—3460] [2850] [2750] [=	29] [21] [21] [=	20] [15] [15] [=
860	Wayne	Loa ^{3]}	7080	43	30
861	*The IBC requires a minimum live load - See Section 1607.12.				
862	*This table is informational only in that actual site elevations may vary. Table is only valid if site elevation is within 100 feet of the listed elevation. Otherwise, contact the local Building Official.				
863	*Values adopted from Table VII of the Utah Snow Load Study.				
864	*Values based on site-specific study. Contact local Building Official for additional information.				
865	*Contact local Building Official.				
866	*Based on C_e=1.0, C_t=1.0 and I_s=1.0"				

867 ~~[(8) A new IBC, Section 1608.1.3, is added as follows: "1608.1.3 Thermal Factor. The~~
 868 ~~value for the thermal factor, C_t, used in calculation of P_r shall be determined from Table 7.3 in~~
 869 ~~ASCE 7.]~~

870 ~~[Exception: Except for unheated structures, the value of C_t need not exceed 1.0 when ground~~
 871 ~~snow load, P_g, is calculated using Section 1608.1.2 as amended.]~~

872 ~~[(9) IBC, Section 1608.2, is deleted and replaced with the following: "1608.2 Ground~~
 873 ~~Snow Loads. The ground snow loads to be used in determining the design snow loads for roofs~~
 874 ~~in states other than Utah are given in Figure 1608.2 for the contiguous United States and Table~~
 875 ~~1608.2 for Alaska. Site-specific case studies shall be made in areas designated CS in figure~~

876 ~~1608.2. Ground snow loads for sites at elevations above the limits indicated in Figure 1608.2~~
 877 ~~and for all sites within the CS areas shall be approved. Ground snow load determination for~~
 878 ~~such sites shall be based on an extreme value statistical analysis of data available in the vicinity~~
 879 ~~of the site using a value with a 2-percent annual probability of being exceeded (50-year mean~~
 880 ~~recurrence interval). Snow loads are zero for Hawaii, except in mountainous regions as~~
 881 ~~approved by the building official."]~~

882 (7) A new IBC, Section 1608.1.3 is added as follows: "1608.1.3 Drifts on adjacent
 883 structures. Section 7.7.2 of ASCE 7 referenced in IBC, Section 1608.1, is deleted and replaced
 884 with the following: 7.7.2 Adjacent structures. At lower adjacent structures, the requirements of
 885 Section 7.7.1 shall be used to calculate windward and leeward drifts. The resulting drift is
 886 permitted to be truncated."

887 (8) A new IBC, Section 1608.2.1 is added as follows: "1608.2.1 Utah ground snow
 888 loads. Section 7.2 of ASCE 7 referenced in IBC, Section 1608.1 is modified as follows:

889 (a) In paragraph 1, 7.2-8 is deleted and replaced with 7.2-9.

890 (b) On Figure 7.2-1, remove CS and other ground snow load values in the state of
 891 Utah. Add red shaded region for the state of Utah with the following note: See note for Utah.

892 (c) The following is added to the Note on Figure 7.2.1: See Table 7.2-9 for Utah.

893 (d) Add Table 7-2.9 as follows:

894

<u>TABLE 7.2-9</u>			
--------------------	--	--	--

895

<u>GROUND SNOW LOADS FOR SELECTED LOCATIONS IN UTAH</u>			
---	--	--	--

<u>City/Town</u>	<u>County</u>	<u>Ground Snow Load (lb/ft²)</u>	<u>Elevation (ft)</u>
<u>Beaver</u>	<u>Beaver</u>	<u>35</u>	<u>5886</u>
<u>Brigham City</u>	<u>Box Elder</u>	<u>42</u>	<u>4423</u>
<u>Castle Dale</u>	<u>Emery</u>	<u>32</u>	<u>5669</u>
<u>Coalville</u>	<u>Summit</u>	<u>57</u>	<u>5581</u>
<u>Duchesne</u>	<u>Duchesne</u>	<u>39</u>	<u>5508</u>
<u>Farmington</u>	<u>Davis</u>	<u>35</u>	<u>4318</u>
<u>Fillmore</u>	<u>Millard</u>	<u>30</u>	<u>5138</u>
<u>Heber City</u>	<u>Wasatch</u>	<u>60</u>	<u>5604</u>
<u>Junction</u>	<u>Piute</u>	<u>27</u>	<u>6030</u>

906	<u>Kanab</u>	<u>Kane</u>	<u>25</u>	<u>4964</u>
907	<u>Loa</u>	<u>Wayne</u>	<u>37</u>	<u>7060</u>
908	<u>Logan</u>	<u>Cache</u>	<u>43</u>	<u>4531</u>
909	<u>Manila</u>	<u>Daggett</u>	<u>26</u>	<u>6368</u>
910	<u>Manti</u>	<u>Sanpete</u>	<u>37</u>	<u>5620</u>
911	<u>Moab</u>	<u>Grand</u>	<u>21</u>	<u>4029</u>
912	<u>Monticello</u>	<u>San Juan</u>	<u>67</u>	<u>7064</u>
913	<u>Morgan</u>	<u>Morgan</u>	<u>52</u>	<u>5062</u>
914	<u>Nephi</u>	<u>Juab</u>	<u>39</u>	<u>5131</u>
915	<u>Ogden</u>	<u>Weber</u>	<u>37</u>	<u>4334</u>
916	<u>Panguitch</u>	<u>Garfield</u>	<u>41</u>	<u>6630</u>
917	<u>Parowan</u>	<u>Iron</u>	<u>32</u>	<u>6007</u>
918	<u>Price</u>	<u>Carbon</u>	<u>31</u>	<u>5558</u>
919	<u>Provo</u>	<u>Utah</u>	<u>31</u>	<u>4541</u>
920	<u>Randolph</u>	<u>Rich</u>	<u>50</u>	<u>6286</u>
921	<u>Richfield</u>	<u>Sevier</u>	<u>27</u>	<u>5338</u>
922	<u>St. George</u>	<u>Washington</u>	<u>21</u>	<u>2585</u>
923	<u>Salt Lake City</u>	<u>Salt Lake</u>	<u>28</u>	<u>4239</u>
924	<u>Tooele</u>	<u>Tooele</u>	<u>35</u>	<u>5029</u>
925	<u>Vernal</u>	<u>Uintah</u>	<u>39</u>	<u>5384</u>

926 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.
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.

927 [(+0)] (9) A new IBC, Section 1613.1.1, is added as follows: "1613.1.1 Effective
 928 Seismic Weight. In ASCE 12.7.2 and 12.14.8.1 [~~of Chapter 12 of ASCE 7~~] as referenced in

929 Section 1613.1, Definition of W, Item 4 is deleted and replaced with the following:

930 4. Where ~~[the]~~ flat roof snow load, P_f , exceeds 30 psf, the snow load included in the effective
 931 seismic ~~[design]~~ weight shall be calculated, in accordance with the following ~~[formula]~~
 932 equation: $W_s = (0.20 + 0.025(A-5))P_f$ ~~[is greater than or equal to]~~ $\geq 0.20 P_f$.

933 WHERE:

934 W_s = Weight of snow to be included ~~[in seismic calculations]~~ as effective seismic weight

935 A = Elevation above sea level at the location of the structure (ft./1,000)

936 P_f = Design roof snow load, psf.

937 For the purposes of this section, snow load shall be assumed uniform on the roof footprint
 938 without including the effects of drift or sliding. The Importance Factor, I, used in calculating P_f
 939 may be considered 1.0 for use in the formula for W_s ."

940 ~~[(11) A new IBC, Section 1613.7, is added as follows: "1613.7 ASCE 7, Section~~
 941 ~~13.5.6.2.2 paragraph (c) is modified to read as follows: (c) Penetrations shall have a sleeve or~~
 942 ~~adapter through the ceiling tile to allow for free movement of at least 1 inch (25 mm) in all~~
 943 ~~horizontal directions.]~~

944 ~~[Exceptions:]~~

945 ~~[1. Where rigid braces are used to limit lateral deflections.]~~

946 ~~[2. At fire sprinkler heads in frangible surfaces per NFPA 13.]~~

947 Section 9. Section **15A-3-110** is amended to read:

948 **15A-3-110. Amendments to Chapters 23 through 25 of IBC.**

949 (1) A new IBC, Section 2306.1.5, is added as follows: "2306.1.5 Load duration factors.
 950 The allowable stress increase of 1.15 for snow load, shown in Table 2.3.2, Frequently Used
 951 Load Duration Factors, C_d , of the National Design Specifications, shall not be utilized at
 952 elevations above 5,000 feet (1,524 M)."

953 ~~[(2) In IBC, Section 2308.3.1, a new exception, 3, is added as follows: "3. Where~~
 954 ~~foundation plates or sills are bolted or anchored to the foundation with not less than 1/2 inch~~
 955 ~~(12.7 mm) diameter steel bolts or approved anchors, embedded at least 7 inches (178 mm) into~~
 956 ~~concrete or masonry and spaced not more than 32 inches (816 mm) apart, there shall be a~~
 957 ~~minimum of two bolts or anchor straps per piece located not less than 4 inches (102 mm) from~~

958 each end of each piece. A properly sized nut and washer shall be tightened on each bolt to the
 959 plate."]

960 ~~[(3) IBC, Section 2506.2.1, is deleted and replaced with the following: "2506.2.1 Other~~
 961 ~~materials. Metal suspension systems for acoustical and lay-in panel ceilings shall conform with~~
 962 ~~ASTM C635 listed in Chapter 35 and Section 13.5.6 of ASCE 7, as amended in Section~~
 963 ~~1613.5, for installation in high seismic areas."]~~

964 (2) In IBC, Section 2308.3.1, the words "6 feet (1829 mm)" and "4 feet (1219 mm)" are
 965 deleted and each replaced with the words "32 inches."

966 Section 10. Section **15A-3-112** is amended to read:

967 **15A-3-112. Amendments to Chapters 29 through 31 of IBC.**

968 (1) In IBC [P] Table 2902.1 the following changes are made:

969 ~~[(a) The title for [P] Table 2902.1 is deleted and replaced with the following: "[P]~~
 970 ~~Table 2902.1, Minimum Number of Required Plumbing Facilities a, h".]~~

971 ~~[(b)]~~ (a) In the row for "E" occupancy in the field for "OTHER" a new footnote i is
 972 added.

973 ~~[(c)]~~ (b) In the row for "I-4" occupancy in the field for "OTHER" a new footnote i is
 974 added.

975 ~~[(d)]~~ (c) A new footnote h is added as follows: "FOOTNOTE: [h] g. When provided,
 976 subject to footnote [j] i, in public toilet facilities there shall be an equal number of diaper
 977 changing facilities in male toilet rooms and female toilet rooms."

978 ~~[(e)]~~ (d) A new footnote [i] h is added to the table as follows: "FOOTNOTE [i] h:
 979 Non-residential child care facilities shall comply with additional sink requirements of Utah
 980 Administrative Code [~~R430-100-4~~], R381-60-9, Hourly Child Care Centers, R381-70-9, Out of
 981 School Time Child Care Programs, and R381-100-9, Child Care Centers."

982 ~~[(f)]~~ (e) A new footnote [j] i is added to the table as follows: "FOOTNOTE [j] i: A
 983 building owned by a state government entity or by a political subdivision of the state that
 984 allows access to the public shall provide diaper changing facilities in accordance with footnote
 985 h if:

- 986 1. the building is newly constructed; or
- 987 2. a bathroom in the building is renovated."

988 ~~[(g)]~~ (f) Footnote f is deleted and replaced with the following: "FOOTNOTE f: The required

989 number and type of plumbing fixtures for outdoor public swimming pools shall be in
990 accordance with Utah Administrative Code, R392-302, Design, Construction and Operation of
991 Public Pools."

992 (2) A new IBC, Section [P]2902.7, is added as follows:

993 "[P]2902.7 Toilet Facilities for Workers.

994 Toilet facilities shall be provided for construction workers and such facilities shall be
995 maintained in a sanitary condition. Construction worker toilet facilities of the nonsewer type
996 shall conform to ANSI Z4.3."

997 (3) In IBC, Section 3006.5, a new exception is added as follows: "Exception: Hydraulic
998 elevators and roped hydraulic elevators with a rise of 50 feet or less."

999 Section 11. Section **15A-3-113** is amended to read:

1000 **15A-3-113. Amendments to Chapters 32 through 35 of IBC.**

1001 [(+)] In IBC, Chapter 35, the referenced standard ICCA117.1-09, Section 606.2,
1002 Exception 1 is modified to include the following sentence at the end of the exception:

1003 "The minimum clear floor space shall be centered on the sink assembly."

1004 [~~(2)~~] ~~The following referenced standard is added under UL in IBC, Chapter 35:]~~

[Number	Title	Referenced in code section number]
[2034-2008]	[Standard of Single- and Multiple-station Carbon Monoxide Alarms]	[907.9"]

1007 Section 12. Section **15A-3-202** is amended to read:

1008 **15A-3-202. Amendments to Chapters 1 through 5 of IRC.**

1009 (1) In IRC, Section R102, a new Section R102.7.2 is added as follows: "R102.7.2

1010 Physical change for bedroom window egress. A structure whose egress window in an existing
1011 bedroom is smaller than required by this code, and that complied with the construction code in
1012 effect at the time that the bedroom was finished, is not required to undergo a physical change to
1013 conform to this code if the change would compromise the structural integrity of the structure or
1014 could not be completed in accordance with other applicable requirements of this code,
1015 including setback and window well requirements."

1016 (2) In IRC, Section 109:

1017 (a) A new IRC, Section 109.1.5, is added as follows: "R109.1.5 Weather-resistant
1018 exterior wall envelope inspections. An inspection shall be made of the weather-resistant
1019 exterior wall envelope as required by Section R703.1 and flashings as required by Section
1020 R703.8 to prevent water from entering the weather-resistive barrier."

1021 (b) The remaining sections are renumbered as follows: R109.1.6 Other inspections;
1022 R109.1.6.1 Fire- and smoke-resistance-rated construction inspection; R109.1.6.2 Reinforced
1023 masonry, insulating concrete form (ICF) and conventionally formed concrete wall inspection;
1024 and R109.1.7 Final inspection.

1025 (3) IRC, Section R114.1, is deleted and replaced with the following: "R114.1 Notice to
1026 owner. Upon notice from the building official that work on any building or structure is being
1027 prosecuted contrary to the provisions of this code or other pertinent laws or ordinances or in an
1028 unsafe and dangerous manner, such work shall be immediately stopped. The stop work order
1029 shall be in writing and shall be given to the owner of the property involved, or to the owner's
1030 agent or to the person doing the work; and shall state the conditions under which work will be
1031 permitted to resume."

1032 (4) In IRC, Section R202, the following definition is added: "CERTIFIED
1033 BACKFLOW PREVENTER ASSEMBLY TESTER: A person who has shown competence to
1034 test Backflow prevention assemblies to the satisfaction of the authority having jurisdiction
1035 under Utah Code, Subsection 19-4-104(4)."

1036 [~~(5) In IRC, Section R202, the definition for "CONDITIONED SPACE" is modified by
1037 deleting the words at the end of the sentence "being heated or cooled by any equipment or
1038 appliance" and replacing them with the following: "enclosed within the building thermal
1039 envelope that is directly heated or cooled, or indirectly heated or cooled by any of the following
1040 means:]~~

1041 [~~1. Openings directly into an adjacent conditioned space.]~~

1042 [~~2. An un-insulated floor, ceiling or wall adjacent to a conditioned space.]~~

1043 [~~3. Un-insulated duct, piping or other heat or cooling source within the space."]~~

1044 [(6)] (5) In IRC, Section R202, the definition of "Cross Connection" is deleted and
1045 replaced with the following: "CROSS CONNECTION. Any physical connection or potential
1046 connection or arrangement between two otherwise separate piping systems, one of which

1047 contains potable water and the other either water of unknown or questionable safety or steam,
 1048 gas, or chemical, whereby there exists the possibility for flow from one system to the other,
 1049 with the direction of flow depending on the pressure differential between the two systems (see
 1050 "Backflow, Water Distribution")."

1051 [(7)] (6) In IRC, Section 202, in the definition for gray water a comma is inserted after
 1052 the word "washers"; the word "and" is deleted; and the following is added to the end: "and
 1053 clear water wastes which have a pH of 6.0 to 9.0; are non-flammable; non-combustible;
 1054 without objectionable odors; non-highly pigmented; and will not interfere with the operation of
 1055 the sewer treatment facility."

1056 [(8)] (7) In IRC, Section R202, the definition of "Potable Water" is deleted and
 1057 replaced with the following: "POTABLE WATER. Water free from impurities present in
 1058 amounts sufficient to cause disease or harmful physiological effects and conforming to the
 1059 Utah Code, Title 19, Chapter 4, Safe Drinking Water Act, and Title 19, Chapter 5, Water
 1060 Quality Act, and the regulations of the public health authority having jurisdiction."

1061 [(9)] (8) IRC, Figure R301.2(5), is deleted and replaced with [Table R301.2(5a) and
 1062 Table R301.2(5b)] R301.2(5) as follows:

1063 [TABLE NO. R301.2(5a)]

1064 [STATE OF UTAH - REGIONAL SNOW LOAD FACTORS]

1065	[COUNTY]	[Po]	[S]	[Ao]
1066	[Beaver]	[43]	[63]	[6.2]
1067	[Box Elder]	[43]	[63]	[5.2]
1068	[Cache]	[50]	[63]	[4.5]
1069	[Carbon]	[43]	[63]	[5.2]
1070	[Daggett]	[43]	[63]	[6.5]
1071	[Davis]	[43]	[63]	[4.5]
1072	[Duchesne]	[43]	[63]	[6.5]
1073	[Emery]	[43]	[63]	[6.0]
1074	[Garfield]	[43]	[63]	[6.0]
1075	[Grand]	[36]	[63]	[6.5]
1076	[Iron]	[43]	[63]	[5.8]

1077	[Juab]	[43]	[63]	[5.2]
1078	[Kane]	[36]	[63]	[5.7]
1079	[Millard]	[43]	[63]	[5.3]
1080	[Morgan]	[57]	[63]	[4.5]
1081	[Piute]	[43]	[63]	[6.2]
1082	[Rich]	[57]	[63]	[4.1]
1083	[Salt Lake]	[43]	[63]	[4.5]
1084	[San Juan]	[43]	[63]	[6.5]
1085	[Sanpete]	[43]	[63]	[5.2]
1086	[Sevier]	[43]	[63]	[6.0]
1087	[Summit]	[86]	[63]	[5.0]
1088	[Tooele]	[43]	[63]	[4.5]
1089	[Uintah]	[43]	[63]	[7.0]
1090	[Utah]	[43]	[63]	[4.5]
1091	[Wasatch]	[86]	[63]	[5.0]
1092	[Washington]	[29]	[63]	[6.0]
1093	[Wayne]	[36]	[63]	[6.5]
1094	[Weber]	[43]	[63]	[4.5]

1095	[TABLE NO. R301.2(5b)]				
1096	[— REQUIRED SNOW LOADS FOR SELECTED UTAH CITIES AND TOWNS ^{1,2}]				
1097	[The following jurisdictions require design snow load values that differ from the Equation in the Utah Snow Load Study.]				
1098	[County]	[City]	[Elevation]	[Ground Snow Load (psf)]	[Roof Snow Load (psf) 6]
1099	[Carbon]	[Price ³ All other county locations ⁵]	[5550 =]	[43 =]	[30 =]

1100	[Davis]	[Fruit Heights ³]	[4500 - 4850]	[57]	[40]
1101	[Emery]	[Green River ³]	[4070]	[36]	[25]
1102	[Garfield]	[Panguitch ³]	[6600]	[43]	[30]
1103	[Rich]	[Woodruff ³ Laketown ⁴ Garden City ⁵ Randolph ⁴]	[6315 6000 = 6300]	[57 57 = 57]	[40 40 = 40]
1104	[San Juan]	[Monticello ³]	[6820]	[50]	[35]
1105	[Summit]	[Coalville ³ Kamas ⁴]	[5600 6500]	[86 114]	[60 80]
1106	[Tooele]	[Tooele ³]	[5100]	[43]	[30]
1107	[Utah]	[Orem ³ Pleasant Grove ⁴ Provo ⁵]	[4650 5000 =]	[43 43 =]	[30 30 =]
1108	[Wasatch]	[Heber ⁵]	[=]	[=]	[=]
1109	[Washington]	[Leeds ³ Santa Clara ³ St. George ³ All other county locations ⁵]	[3460 — 2850 — 2750 — =]	[29 21 21 =]	[20 15 15 =]
1110	[Wayne]	[Loa ³]	[7080]	[43]	[30]
1111	[1The IRC requires a minimum live load -- See R301.6.]				
1112	[2This table is informational only in that actual site elevations may vary. Table is only valid if site elevation is within 100 feet of the listed elevation. Otherwise, contact the local Building Official.]				
1113	[3Values adopted from Table VII of the Utah Snow Load Study]				
1114	[4Values based on site-specific study. Contact local Building Official for additional information.]				
1115	[5Contact local Building Official.]				

1116 [6Based on Ce =1.0, Ct =1.0 and Is =1.0"]

1117 "TABLE R301.2(5)

1118 GROUND SNOW LOADS FOR SELECTED LOCATIONS IN UTAH

1119	<u>City/Town</u>	<u>County</u>	<u>Ground Snow Load (lb/ft²)</u>	<u>Elevation (ft)</u>
1120	<u>Beaver</u>	<u>Beaver</u>	<u>35</u>	<u>5886</u>
1121	<u>Brigham City</u>	<u>Box Elder</u>	<u>42</u>	<u>4423</u>
1122	<u>Castle Dale</u>	<u>Emery</u>	<u>32</u>	<u>5669</u>
1123	<u>Coalville</u>	<u>Summit</u>	<u>57</u>	<u>5581</u>
1124	<u>Duchesne</u>	<u>Duchesne</u>	<u>39</u>	<u>5508</u>
1125	<u>Farmington</u>	<u>Davis</u>	<u>35</u>	<u>4318</u>
1126	<u>Fillmore</u>	<u>Millard</u>	<u>30</u>	<u>5138</u>
1127	<u>Heber City</u>	<u>Wasatch</u>	<u>60</u>	<u>5604</u>
1128	<u>Junction</u>	<u>Piute</u>	<u>27</u>	<u>6030</u>
1129	<u>Kanab</u>	<u>Kane</u>	<u>25</u>	<u>4964</u>
1130	<u>Loa</u>	<u>Wayne</u>	<u>37</u>	<u>7060</u>
1131	<u>Logan</u>	<u>Cache</u>	<u>43</u>	<u>4531</u>
1132	<u>Manila</u>	<u>Daggett</u>	<u>26</u>	<u>6368</u>
1133	<u>Manti</u>	<u>Sanpete</u>	<u>37</u>	<u>5620</u>
1134	<u>Moab</u>	<u>Grand</u>	<u>21</u>	<u>4029</u>
1135	<u>Monticello</u>	<u>San Juan</u>	<u>67</u>	<u>7064</u>
1136	<u>Morgan</u>	<u>Morgan</u>	<u>52</u>	<u>5062</u>
1137	<u>Nephi</u>	<u>Juab</u>	<u>39</u>	<u>5131</u>
1138	<u>Ogden</u>	<u>Weber</u>	<u>37</u>	<u>4334</u>
1139	<u>Panguitch</u>	<u>Garfield</u>	<u>41</u>	<u>6630</u>
1140	<u>Parowan</u>	<u>Iron</u>	<u>32</u>	<u>6007</u>
1141	<u>Price</u>	<u>Carbon</u>	<u>31</u>	<u>5558</u>
1142	<u>Provo</u>	<u>Utah</u>	<u>31</u>	<u>4541</u>
1143	<u>Randolph</u>	<u>Rich</u>	<u>50</u>	<u>6286</u>

1144	<u>Richfield</u>	<u>Sevier</u>	<u>27</u>	<u>5338</u>
1145	<u>St. George</u>	<u>Washington</u>	<u>21</u>	<u>2585</u>
1146	<u>Salt Lake City</u>	<u>Salt Lake</u>	<u>28</u>	<u>4239</u>
1147	<u>Tooele</u>	<u>Tooele</u>	<u>35</u>	<u>5029</u>
1148	<u>Vernal</u>	<u>Uintah</u>	<u>39</u>	<u>5384</u>

1149 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.
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.

1150 [~~(10)~~] (9) IRC, Section R301.6, is deleted and replaced with the following: "R301.6
 1151 Utah Snow Loads. The snow loads specified in Table R301.2(5b) shall be used for the
 1152 jurisdictions identified in that table. Otherwise, [~~the ground snow load, P_g, to be used in the~~
 1153 ~~determination of design snow loads for buildings and other structures shall be determined by~~
 1154 ~~using the following formula: P_g = (P_o² + S²(A-A_o)²)^{0.5} for A greater than A_o, and P_g = P_o~~
 1155 ~~for A less than or equal to A_o.]~~ for other locations in Utah, see Bean, B., Maguire, M., Sun, Y.
 1156 (2018), "The Utah Snow Load Study," Utah State University Civil and Environmental
 1157 Engineering Faculty Publications, Paper 3589, <http://utahsnowload.usu.edu/>, for ground snow
 1158 load values.

1159 [WHERE:
 1160 P_g = ~~Ground snow load at a given elevation (psf);~~
 1161 P_o = ~~Base ground snow load (psf) from Table No. R301.2(5a);~~
 1162 S = ~~Change in ground snow load with elevation (psf/100 ft.) From Table No. R301.2(5a);~~
 1163 A = ~~Elevation above sea level at the site (ft./1,000);~~
 1164 A_o = ~~Base ground snow elevation from Table R301.2(5a) (ft./1,000).~~
 1165 ~~The building official may round the roof snow load to the nearest 5 psf. The ground snow~~

1166 ~~load, Pg, may be adjusted by the building official when a licensed engineer or architect submits~~
1167 ~~data substantiating the adjustments.~~

1168 ~~Where the minimum roof live load in accordance with Table R301.6 is greater than the design~~
1169 ~~roof snow load, such roof live load shall be used for design, however, it shall not be reduced to~~
1170 ~~a load lower than the design roof snow load. Drifting need not be considered for roof snow~~
1171 ~~loads less than 20 psf."]~~

1172 (10) In IRC, Section R302.2, the following sentence is added after the second sentence:

1173 "When an access/maintenance agreement or easement is in place, plumbing, mechanical
1174 ducting, schedule 40 steel gas pipe, and electric service conductors including feeders, are
1175 permitted to penetrate the common wall at grade, above grade, or below grade."

1176 (11) In IRC, Section R302.5.1, the words "self-closing device" are deleted and replaced
1177 with "self-latching hardware["]."

1178 (12) IRC, Section R302.13, is deleted.

1179 (13) In IRC, Section R303.4, the number "5" is changed to "3" in the first sentence.

1180 (14) IRC, Sections R311.7.4 through R311.7.5.3, are deleted and replaced with the

1181 following: "R311.7.4 Stair treads and risers. R311.7.5.1 Riser height. The maximum riser
1182 height shall be 8 inches (203 mm). The riser shall be measured vertically between leading
1183 edges of the adjacent treads. The greatest riser height within any flight of stairs shall not
1184 exceed the smallest by more than 3/8 inch (9.5 mm).

1185 R311.7.5.2 Tread depth. The minimum tread depth shall be 9 inches (228 mm). The tread
1186 depth shall be measured horizontally between the vertical planes of the foremost projection of
1187 adjacent treads and at a right angle to the tread's leading edge. The greatest tread depth within
1188 any flight of stairs shall not exceed the smallest by more than 3/8 inch (9.5 mm). Winder
1189 treads shall have a minimum tread depth of 10 inches (254 mm) measured as above at a point
1190 12 inches (305 mm) from the side where the treads are narrower. Winder treads shall have a
1191 minimum tread depth of 6 inches (152 mm) at any point. Within any flight of stairs, the
1192 greatest winder tread depth at the 12-inch (305 mm) walk line shall not exceed the smallest by
1193 more than 3/8 inch (9.5 mm).

1194 R311.7.5.3 Profile. The radius of curvature at the leading edge of the tread shall be no greater
1195 than 9/16 inch (14.3 mm). A nosing not less than 3/4 inch (19 mm) but not more than 1 1/4
1196 inches (32 mm) shall be provided on stairways with solid risers. The greatest nosing projection

1197 shall not exceed the smallest nosing projection by more than 3/8 inch (9.5 mm) between two
1198 stories, including the nosing at the level of floors and landings. Beveling of nosing shall not
1199 exceed 1/2 inch (12.7 mm). Risers shall be vertical or sloped from the underside of the leading
1200 edge of the tread above at an angle not more than 30 degrees (0.51 rad) from the vertical. Open
1201 risers are permitted, provided that the opening between treads does not permit the passage of a
1202 4-inch diameter (102 mm) sphere.

1203 Exceptions.

1204 1. A nosing is not required where the tread depth is a minimum of 10 inches (254 mm).

1205 2. The opening between adjacent treads is not limited on stairs with a total rise of 30 inches
1206 (762 mm) or less."

1207 (15) IRC, Section R312.2, is deleted.

1208 (16) IRC, Sections R313.1 through R313.2.1, are deleted and replaced with the
1209 following: "R313.1 Design and installation. When installed, automatic residential fire
1210 sprinkler systems for townhouses or one- and two-family dwellings shall be designed and
1211 installed in accordance with Section P2904 or NFPA 13D."

1212 (17) In IRC, Section 315.3, the following words are added to the first sentence after the
1213 word "installed": "on each level of the dwelling unit and[⁴]."

1214 (18) In IRC, Section R315.5, a new exception, 3, is added as follows:

1215 "3. Hard wiring of carbon monoxide alarms in existing areas shall not be required where the
1216 alterations or repairs do not result in the removal of interior wall or ceiling finishes exposing
1217 the structure, unless there is an attic, crawl space or basement available which could provide
1218 access for hard wiring, without the removal of interior finishes."

1219 (19) A new IRC, Section R315.7, is added as follows: " R315.7 Interconnection.

1220 Where more than one carbon monoxide alarm is required to be installed within an individual
1221 dwelling unit in accordance with Section R315.1, the alarm devices shall be interconnected in
1222 such a manner that the actuation of one alarm will activate all of the alarms in the individual
1223 unit. Physical interconnection of smoke alarms shall not be required where listed wireless
1224 alarms are installed and all alarms sound upon activation of one alarm.

1225 Exception: Interconnection of carbon monoxide alarms in existing areas shall not be required
1226 where alterations or repairs do not result in removal of interior wall or ceiling finishes exposing
1227 the structure, unless there is an attic, crawl space or basement available which could provide

1228 access for interconnection without the removal of interior finishes."

1229 (20) In IRC, Section R403.1.6, a new Exception 3 is added as follows: " 3. When
1230 anchor bolt spacing does not exceed 32 inches (813 mm) apart, anchor bolts may be placed
1231 with a minimum of two bolts per plate section located not less than 4 inches (102 mm) from
1232 each end of each plate section at interior bearing walls, interior braced wall lines, and at all
1233 exterior walls."

1234 (21) In IRC, Section R403.1.6.1, a new exception is added at the end of Item 2 and
1235 Item 3 as follows: "Exception: When anchor bolt spacing does not exceed 32 inches (816 mm)
1236 apart, anchor bolts may be placed with a minimum of two bolts per plate section located not
1237 less than 4 inches (102 mm) from each end of each plate section at interior bearing walls,
1238 interior braced wall lines, and at all exterior walls."

1239 (22) In IRC, Section R404.1, a new exception is added as follows: "Exception: As an
1240 alternative to complying with Sections R404.1 through R404.1.5.3, concrete and masonry
1241 foundation walls may be designed in accordance with IBC Sections 1807.1.5 and 1807.1.6 as
1242 amended in Section 1807.1.6.4 and Table 1807.1.6.4 under these rules."

1243 (23) In IRC, Section R405.1, a new exception is added as follows: "Exception: When a
1244 geotechnical report has been provided for the property, a drainage system is not required unless
1245 the drainage system is required as a condition of the geotechnical report. The geological report
1246 shall make a recommendation regarding a drainage system."

1247 Section 13. Section **15A-3-203** is amended to read:

1248 **15A-3-203. Amendments to Chapters 6 through 15 of IRC.**

1249 (1) In IRC, Section N1101.5 (R103.2), all words after the words "herein governed." are
1250 deleted and replaced with the following: "Construction documents include all documentation
1251 required to be submitted in order to issue a building permit."

1252 (2) In IRC, Section N1101.12 (R303.3), all wording after the first sentence is deleted.

1253 (3) In IRC, Section N1101.13 (R401.2), add Exception as follows:

1254 "Exception: A project complies if the project demonstrates compliance, using the
1255 software RESCheck 2012 Utah Energy Conservation Code, of:

1256 (a) on or after January 1, 2017, and before January 1, 2019, "3 percent better than
1257 code";

1258 (b) on or after January 1, 2019, and before January 1, 2021, "4 percent better than

1259 code"; and

1260 (c) after January 1, 2021, "5 percent better than code."[-]

1261 (4) In IRC, Table N1102.2 (R402.1.2), in the column titled MASS WALL R-VALUE,
1262 a new footnote j is added as follows:

1263 "j. Log walls complying with ICC400 and with a minimum average wall thickness of 5 inches
1264 or greater shall be permitted in Zones 5 through 8 when overall window glazing has a .31
1265 U-factor or lower, minimum heating equipment efficiency is 90 AFUE (gas) or 84 AFUE (oil),
1266 and all other component requirements are met."

1267 (5) In IRC, Section N1102.4.1 (R402.4.1), in the first sentence, the word "and" is
1268 deleted and replaced with the word "or[.]"

1269 (6) In IRC, Section N1102.4.1.1 (R402.4.1.1), the last sentence is deleted and replaced
1270 with the following: "Where allowed by the code official, the builder may certify compliance to
1271 components criteria for items which may not be inspected during regularly scheduled
1272 inspections."

1273 (7) In IRC, Section N1102.4.1.2 (R402.4.1.2), the following changes are made:

1274 (a) In the first sentence:

1275 (i) "The building or dwelling unit" is deleted and replaced with "A single-family
1276 dwelling";

1277 ~~[(i)]~~ (ii) ~~[on or]~~ after January 1, 2019, ~~[and before January 1, 2021,]~~ replace the word
1278 "five" with "3.5"; and

1279 ~~[(ii) after January 1, 2021, replace the word "five" with "three."]~~

1280 ~~[(b) In the first sentence,]~~

1281 (iii) the words "in Climate Zones 1 and 2, and three air changes per hour in Climate
1282 Zones 3 through 8" are deleted.

1283 (b) The following sentence is inserted after the first sentence: "A multi-family dwelling
1284 and townhouse shall be tested and verified as having an air leakage rate of not exceeding five
1285 air changes per hour."

1286 (c) In the third sentence, the word "third" is deleted.

1287 (d) The following sentence is inserted after the third sentence: "The following parties
1288 shall be approved to conduct testing: Parties certified by BPI or RESNET, or licensed
1289 contractors who have completed training provided by Blower Door Test equipment

1290 manufacturers or other comparable training."

1291 (8) In IRC, Section N1103.3.3 (R403.3.3):

1292 (a) the exception for duct air leakage testing is deleted; and

1293 (b) the exception for duct air leakage is replaced:

1294 (i) on or after January 1, 2017, and before January 1, 2019, with the following:

1295 "Exception: The duct air leakage test is not required for systems with all air handlers and at
1296 least 65% of all ducts (measured by length) located entirely within the building thermal
1297 envelope.";

1298 (ii) on or after January 1, 2019, and before January 1, 2021, with the following:

1299 "Exception: The duct air leakage test is not required for systems with all air handlers and at
1300 least 75% of all ducts (measured by length) located entirely within the building thermal
1301 envelope."; and

1302 (iii) on or after January 1, 2021, with the following: "Exception: The duct air leakage
1303 test is not required for systems with all air handlers and at least 80% of all ducts (measured by
1304 length) located entirely within the building thermal envelope."

1305 (9) In IRC, Section N1103.3.3 (R403.3.3), the following is added after the exception:

1306 "The following parties shall be approved to conduct testing: Parties certified by BPI or
1307 RESNET, or licensed contractors who have completed either training provided by Duct Test
1308 equipment manufacturers or other comparable training."

1309 (10) In IRC, Section N1103.3.4 (R403.3.4):

1310 (a) in Subsection 1, the number 4 is changed to 8, the number 113.3 is changed to 170,
1311 the number 3 is changed to 6, the number 85 is changed to 114.6; and

1312 (b) in Subsection 2:

1313 (i) on or after January 1, 2017, and before January 1, 2019, the number 4 is changed to
1314 8 and the number 113.3 is changed to 226.5;

1315 (ii) on or after January 1, 2019, and before January 1, 2021, the number 4 is changed to
1316 7 and the number 113.3 is changed to 198.2; and

1317 (iii) on or after January 1, 2021, the number 4 is changed to 6 and the number 113.3 is
1318 changed to 169.9.

1319 (11) In IRC, Section N1103.3.5 (R403.3.5), the words "or plenums" are deleted.

1320 (12) In IRC, Section N1103.5.3 (R403.5.3), Subsection 5 is deleted and Subsections 6

1321 and 7 are renumbered.

1322 (13) IRC, Section N1103.6.1 (R403.6.1), is deleted and replaced with the following:

1323 "N1103.6.1 (R403.6.1) Whole-house mechanical ventilation system fan efficacy. Fans used to

1324 provide whole-house mechanical ventilation shall meet the efficacy requirements of Table

1325 N1103.6.1 (R403.6.1).

1326 Exception: Where an air handler that is integral to tested and listed HVAC equipment is

1327 used to provide whole-house mechanical ventilation, the air handler shall be powered by an

1328 electronically commutated motor."

1329 [~~13~~] (14) In IRC, Section N1106.4 (R406.4), the table is deleted and replaced with

1330 the following:

TABLE N1106.4 (R406.4)	
MAXIMUM ENERGY RATING INDEX	
CLIMATE ZONE	ENERGY RATING INDEX
3	65
5	69
6	68

1337 [~~14~~] (15) In IRC, Section M1307.2, the words "In Seismic Design Categories D0, D1,

1338 and D2, and in townhouses in Seismic Design Category C", are deleted, and in Subparagraph 1,

1339 the last sentence is deleted.

1340 [~~15~~] (16) IRC, Section M1411.8, is deleted.

1341 Section 14. Section **15A-3-205** is amended to read:

1342 **15A-3-205. Amendments to Chapters 26 through 35 of IRC.**

1343 (1) A new IRC, Section P2602.3, is added as follows: "P2602.3 Individual water

1344 supply. Where a potable public water supply is not available, individual sources of potable

1345 water supply shall be utilized, provided that the source has been developed in accordance with

1346 Utah Code, Sections [73-3-1](#) and [73-3-25](#), as administered by the Department of Natural

1347 Resources, Division of Water Rights. In addition, the quality of the water shall be approved by

1348 the local health department having jurisdiction."

1349 (2) A new IRC, Section P2602.4, is added as follows: "P2602.4 Sewer required. Every

1350 building in which plumbing fixtures are installed and all premises having drainage piping shall

1351 be connected to a public sewer where the sewer is accessible and is within 300 feet of the
1352 property line in accordance with Utah Code, Section [10-8-38](#); or an approved private sewage
1353 disposal system in accordance with Utah Administrative Code, Chapter 4, Rule R317, as
1354 administered by the Department of Environmental Quality, Division of Water Quality."

1355 (3) In IRC, Section P2705, Item 5, the words "lavatory" and "lavatories" are deleted.

1356 (4) In IRC, Section P2705, a new Item 6 is added as follows: "6. Lavatories. A lavatory
1357 shall not be set closer than 12 inches from its center to any side wall or partition. A lavatory
1358 shall be provided with a clearance of 24 inches in width and 21 inches in depth in front of the
1359 lavatory to any side wall, partition, or obstruction." Remaining item numbers are renumbered
1360 accordingly.

1361 [~~(3)~~] (5) In IRC, Section P2801.8, all words in the first sentence up to the word "water"
1362 are deleted.

1363 [~~(4)~~] (6) A new IRC, Section P2902.1.1, is added as follows: "P2902.1.1 Backflow
1364 assembly testing. The premise owner or the premise owner's designee shall have backflow
1365 prevention assemblies operation tested in accordance with administrative rules made by the
1366 Drinking Water Board at the time of installation, repair, and relocation and at least on an
1367 annual basis thereafter, or more frequently as required by the authority having jurisdiction.
1368 Testing shall be performed by a Certified Backflow Preventer Assembly Tester. The
1369 assemblies that are subject to this paragraph are the Spill Resistant Vacuum Breaker, the
1370 Pressure Vacuum Breaker Assembly, the Double Check Backflow Prevention Assembly, the
1371 Double Check Detector Assembly Backflow Preventer, the Reduced Pressure Principle
1372 Backflow Preventer, and Reduced Pressure Detector Assembly. Third-party certification for
1373 backflow prevention assemblies will consist of any combination of two certifications,
1374 laboratory or field. Acceptable third-party laboratory certifying agencies are ASSE, IAPMO,
1375 and USC-FCCCHR. USC-FCCCHR currently provides the only field testing of backflow
1376 protection assemblies. Also see www.drinkingwater.utah.gov and rules made by the Drinking
1377 Water Board."

1378 [~~(5)~~] (7) In IRC, Section P2902.1, the following subsections are added as follows:
1379 "P2902.1.1 General Installation Criteria.

1380 Assemblies shall not be installed more than five feet above the floor unless a permanent
1381 platform is installed. The assembly owner, where necessary, shall provide devices or structures

1382 to facilitate testing, repair, and maintenance, and to insure the safety of the backflow
1383 technician.

1384 P2902.1.2 Specific Installation Criteria.

1385 P2902.1.2.1 Reduced Pressure Principle Backflow Prevention Assembly.

1386 The reduced pressure principle backflow prevention assembly shall be installed as
1387 follows:

1388 a. The assembly may not be installed in a pit.

1389 b. The relief valve of the assembly shall not be directly connected to a waste disposal line,
1390 including a sanitary sewer, a storm drain, or a vent.

1391 c. The assembly shall be installed in a horizontal position only, unless listed or approved for
1392 vertical installation in accordance with Section 303.4.

1393 d. The bottom of the assembly shall be installed a minimum of 12 inches above the floor or
1394 ground.

1395 e. The body of the assembly shall be a minimum of 12 inches from any wall, ceiling, or
1396 obstacle, and shall be readily accessible for testing, repair, and maintenance.

1397 P2902.1.2.2 Double Check Valve Backflow Prevention Assembly.

1398 A double check valve backflow prevention assembly shall be installed as follows:

1399 a. The assembly shall be installed in a horizontal position only, unless listed or approved for
1400 vertical installation.

1401 b. The bottom of the assembly shall be a minimum of 12 inches above the ground or floor.

1402 c. The body of the assembly shall be a minimum of 12 inches from any wall, ceiling, or
1403 obstacle, and shall be readily accessible for testing, repair, and maintenance.

1404 d. If installed in a pit, the assembly shall be installed with a minimum of 12 inches of clearance
1405 between all sides of the vault, including the floor and roof or ceiling, with adequate room for
1406 testing and maintenance.

1407 P2902.1.2.3 Pressure Vacuum Break Assembly and Spill Resistant Pressure Vacuum Breaker
1408 Assembly.

1409 A pressure vacuum break assembly or a spill resistant pressure vacuum breaker assembly shall
1410 be installed as follows:

1411 a. The assembly shall not be installed in an area that could be subject to backpressure or back
1412 drainage conditions.

1413 b. The assembly shall be installed a minimum of 12 inches above all downstream piping and
1414 the highest point of use.

1415 c. The assembly shall be a minimum of 12 inches from any wall, ceiling, or obstacle, and shall
1416 be readily accessible for testing, repair, and maintenance.

1417 d. The assembly shall not be installed below ground, in a vault, or in a pit.

1418 e. The assembly shall be installed in a vertical position."

1419 (8) In IRC, Section 2903.5, at the beginning of the second sentence, insert "If
1420 installed,".

1421 ~~[(6)]~~ (9) In IRC, Section P2903.9.3, the first sentence is deleted and replaced with the
1422 following: "Unless the plumbing appliance or plumbing fixture has a wall-mount valve, shutoff
1423 valves shall be required on each fixture supply pipe to each plumbing appliance and to each
1424 plumbing fixture other than bathtubs and showers."

1425 ~~[(7)]~~ (10) IRC, Section P2910.5, is deleted and replaced with the following:
1426 "P2910.5 Potable water connections.

1427 When a potable water system is connected to a nonpotable water system, the potable water
1428 system shall be protected against backflow by a reduced pressure backflow prevention
1429 assembly or an air gap installed in accordance with Section 2901."

1430 ~~[(8)]~~ (11) IRC, Section P2910.9.5, is deleted and replaced with the following:
1431 "P2910.9.5 Makeup water.

1432 Where an uninterrupted nonpotable water supply is required for the intended application,
1433 potable or reclaimed water shall be provided as a source of makeup water for the storage tank.
1434 The makeup water supply shall be protected against backflow by means of an air gap not less
1435 than 4 inches (102 millimeters) above the overflow or by a reduced pressure backflow
1436 prevention assembly installed in accordance with Section 2902."

1437 ~~[(9)]~~ (12) In IRC, Section P2911.12.4, the following words are deleted: "and backwater
1438 valves[[#]]."

1439 ~~[(10)]~~ (13) In IRC, Section P2912.15.6, the following words are deleted: "and
1440 backwater valves[[#]]."

1441 ~~[(11)]~~ (14) In IRC, Section P2913.4.2, the following words are deleted: "and backwater
1442 valves[[#]]."

1443 ~~[(12)]~~ (15) IRC, Section P3009, is deleted and replaced with the following:

1444 "P3009 Connected to nonpotable water from on-site water reuse systems.
1445 Nonpotable systems utilized for subsurface irrigation for single-family residences shall comply
1446 with the requirements of R317-401, UAC, [~~Gray Water~~] Graywater Systems."

1447 [~~(13)~~] (16) In IRC, Section P3103.6, the following sentence is added at the end of the
1448 paragraph: "Vents extending through the wall shall terminate not less than 12 inches from the
1449 wall with an elbow pointing downward."

1450 [~~(14)~~] (17) In IRC, Section P3104.4, the following sentence is added at the end of the
1451 paragraph: "Horizontal dry vents below the flood level rim shall be permitted for floor drain
1452 and floor sink installations when installed below grade in accordance with Chapter 30, and
1453 Sections P3104.2 and P3104.3. A wall cleanout shall be provided in the vertical vent."

1454 Section 15. Section **15A-3-302** is amended to read:

1455 **15A-3-302. Amendments to Chapters 1 and 2 of IPC.**

1456 [~~(1)~~] A new IPC, Section 101.2.1, is added as follows: "For clarification, the
1457 International Private Sewage Disposal Code is not part of the plumbing code even though it is
1458 in the same printed volume."

1459 [~~(2)~~] (1) In IPC, Section 202, the definition for "Backflow Backpressure, Low Head" is
1460 deleted.

1461 [~~(3)~~] (2) In IPC, Section 202, the following definition is added: "Certified Backflow
1462 Preventer Assembly Tester. A person who has shown competence to test Backflow prevention
1463 assemblies to the satisfaction of the authority having jurisdiction under Utah Code, Subsection
1464 [19-4-104\(4\)](#)."

1465 [~~(4)~~] (3) In IPC, Section 202, the following definition is added: "Contamination (High
1466 Hazard). An impairment of the quality of the potable water that creates an actual hazard to the
1467 public health through poisoning or through the spread of disease by sewage, industrial fluids or
1468 waste."

1469 [~~(5)~~] (4) In IPC, Section 202, the definition for "Cross Connection" is deleted and
1470 replaced with the following: "Cross Connection. Any physical connection or potential
1471 connection or arrangement between two otherwise separate piping systems, one of which
1472 contains potable water and the other either water of unknown or questionable safety or steam,
1473 gas, or chemical, whereby there exists the possibility for flow from one system to the other,
1474 with the direction of flow depending on the pressure differential between the two systems (see

1475 "Backflow")."

1476 [~~(6)~~] (5) In IPC, Section 202, the following definition is added: "Deep Seal Trap. A
1477 manufactured or field fabricated trap with a liquid seal of 4" or larger."

1478 [~~(7)~~] (6) In IPC, Section 202, the definition for "Essentially Nontoxic Transfer Fluid" is
1479 deleted and replaced with the following:

1480 "ESSENTIALLY NONTOXIC TRANSFER FLUID. Fluids having a Gosselin rating of 1,
1481 including propylene glycol; and mineral oil."

1482 [~~(8)~~] (7) In IPC, Section 202, the definition for "Essentially Toxic Transfer Fluid" is
1483 deleted and replaced with the following:

1484 "ESSENTIALLY TOXIC TRANSFER FLUID. Soil, waste, or gray water; and any fluid that is
1485 not an essentially nontoxic transfer fluid under this code."

1486 [~~(9)~~] (8) In IPC, Section 202, the following definition is added: "High Hazard. See
1487 Contamination."

1488 [~~(10)~~] (9) In IPC, Section 202, the following definition is added: "Low Hazard. See
1489 Pollution."

1490 [~~(11)~~] (10) In IPC, Section 202, the following definition is added: "Motor Vehicle
1491 Waste Disposal Well. An injection well that discharges to the subsurface by way of a floor
1492 drain, septic system, French drain, dry well, or similar system that receives or has received
1493 fluid from a facility engaged in vehicular repair or maintenance activities, including an auto
1494 body repair shop, automotive repair shop, new and used car dealership, speciality repair shop,
1495 or any other facility that does any vehicular repair work. A motor vehicle waste disposal well is
1496 subject to rulemaking under Section [19-5-104](#) regarding underground injection."

1497 [~~(12)~~] (11) In IPC, Section 202, the following definition is added: "Pollution (Low
1498 Hazard). An impairment of the quality of the potable water to a degree that does not create a
1499 hazard to the public health but that does adversely and unreasonably affect the aesthetic
1500 qualities of such potable water for domestic use."

1501 [~~(13)~~] (12) In IPC, Section 202, the definition for "Potable Water" is deleted and
1502 replaced with the following: "Potable Water. Water free from impurities present in amounts
1503 sufficient to cause disease or harmful physiological effects and conforming to the Utah Code,
1504 Title 19, Chapter 4, Safe Drinking Water Act, and Title 19, Chapter 5, Water Quality Act, and
1505 the regulations of the public health authority having jurisdiction."

1506 Section 16. Section **15A-3-303** is amended to read:

1507 **15A-3-303. Amendments to Chapter 3 of IPC.**

1508 (1) In IPC, Section 303.4, the following exception is added:

1509 "Exception: Third-party certification for backflow prevention assemblies will consist of any
1510 combination of two certifications, laboratory or field. Acceptable third party laboratory
1511 certifying agencies are ASSE, IAPMO, and USC-FCCCHR. USC-FCCCHR currently
1512 provides the only field testing of backflow protection assemblies. Also see
1513 www.drinkingwater.utah.gov and Division of Drinking Water Rule, Utah Administrative Code,
1514 [~~R309-305-6~~] R309-105-12(4)."

1515 (2) IPC, Section 311.1, is deleted.

1516 (3) In IPC, Section 312.3, the following is added at the end of the paragraph:

1517 "Where water is not available at the construction site or where freezing conditions limit
1518 the use of water on the construction site, plastic drainage and vent pipe may be permitted to be
1519 tested with air. The following procedures shall be followed:

- 1520 1. Contractor shall recognize that plastic is extremely brittle at lower temperatures and can
1521 explode, causing serious injury or death.
- 1522 2. Contractor assumes all liability for injury or death to persons or damage to property or for
1523 claims for labor and/or material arising from any alleged failure of the system during testing
1524 with air or compressed gasses.
- 1525 3. Proper personal protective equipment, including safety eyewear and protective headgear,
1526 should be worn by all individuals in any area where an air or gas test is being conducted.
- 1527 4. Contractor shall take all precautions necessary to limit the pressure within the plastic piping.
- 1528 5. No drain and vent system shall be pressurized in excess of 6 psi as measured by accurate
1529 gauges graduated to no more than three times the test pressure.
- 1530 6. The pressure gauge shall be monitored during the test period, which should not exceed 15
1531 minutes.
- 1532 7. At the conclusion of the test, the system shall be depressurized gradually, all trapped air or
1533 gases should be vented, and test balls and plugs should be removed with caution."

1534 (4) In IPC, Section 312.5, the following is added at the end of the paragraph:

1535 "Where water is not available at the construction site or where freezing conditions limit the use
1536 of water on the construction site, plastic water pipes may be permitted to be tested with air.

1537 The following procedures shall be followed:

- 1538 1. Contractor shall recognize that plastic is extremely brittle at lower temperatures and can
1539 explode, causing serious injury or death.
- 1540 2. Contractor assumes all liability for injury or death to persons or damage to property or for
1541 claims for labor and/or material arising from any alleged failure of the system during testing
1542 with air or compressed gasses.
- 1543 3. Proper personal protective equipment, including safety eyewear and protective headgear,
1544 should be worn by all individuals in any area where an air or gas test is being conducted.
- 1545 4. Contractor shall take all precautions necessary to limit the pressure within the plastic piping.
- 1546 5. Water supply systems shall be pressure tested to a minimum of 50 psi but not more than 80
1547 psi as measured by accurate gauges graduated to no more than three times the test pressure.
- 1548 6. The pressure gauge shall be monitored during the test period, which should not exceed 15
1549 minutes.
- 1550 7. At the conclusion of the test, the system shall be depressurized gradually, all trapped air or
1551 gases should be vented, and test balls and plugs should be removed with caution."

1552 (5) A new IPC, Section 312.10.3, is added as follows: "312.10.3 Tester Qualifications.
1553 Testing shall be performed by a Utah Certified Backflow Preventer Assembly Tester in
1554 accordance with Utah Administrative Code, R309-305."

1555 Section 17. Section **15A-3-304** is amended to read:

1556 **15A-3-304. Amendments to Chapter 4 of IPC.**

1557 (1) In IPC, Table 403.1, the following changes are made:

1558 [~~(a) The title for Table 403.1 is deleted and replaced with the following: "Table 403.1;
1559 Minimum Number of Required Plumbing Fixturesa, h";~~]

1560 [~~(b)~~ (a) In row number "3", for [~~"E" occupancy;~~] in the field for "OTHER", a new
1561 footnote [g] h is added.

1562 [~~(c)~~ (b) In row number "5", for [~~"I-4~~] Adult day care and child day care" occupancy, in
1563 the field for "OTHER", a new footnote [g] h is added.

1564 (c) Footnote f is deleted and replaced with the following: "FOOTNOTE f: The required
1565 number and type of plumbing fixtures for outdoor public swimming pools shall be in
1566 accordance with Utah Administrative Code, R392-302 Design, Construction and Operation of
1567 Public Pools."

1568 (d) A new footnote [f] g is added as follows: "FOOTNOTE: [f:] g: When provided, in
1569 public toilet facilities, there shall be an equal number of diaper changing facilities in male toilet
1570 rooms and female toilet rooms. Diaper changing facilities shall meet the requirements of
1571 ASTM F2285-04 (2010) Standard Consumer Safety Performance Specifications for Diaper
1572 Changing Tables for Commercial Use."

1573 (e) A new footnote [g] h is added to the table as follows: "FOOTNOTE [g] h:
1574 Non-residential child care facilities shall comply with the additional sink requirements [~~for~~
1575 ~~sinks in administrative rule made by the Department of Health~~] of Utah Administrative Code,
1576 R381-60-9, Hourly Child Care Centers, R381-70-9, Out of School Time Child Care Programs,
1577 and R381-100-9, Child Care Centers."

1578 (2) A new IPC, Section 406.3, is added as follows: " 406.3 Automatic clothes washer
1579 safe pans. Safe pans, when installed under automatic clothes washers, shall be installed in
1580 accordance with Section 504.7."

1581 (3) A new IPC, Section [~~412.5~~] 413.5, is added as follows: "[~~412.5~~] 413.5 Public toilet
1582 rooms. All public toilet rooms [~~in A & E occupancies and M occupancies with restrooms~~
1583 ~~having multiple water closets or urinals~~] shall be equipped with at least one floor drain."

1584 (4) A new IPC, Section 412.6, is added as follows: "Prohibition of motor vehicle waste
1585 disposal wells. New and existing motor vehicle waste disposal wells are prohibited. A motor
1586 vehicle waste disposal well associated with a single family residence is not subject to this
1587 prohibition."

1588 (5) IPC, Section 423.3, is deleted.

1589 Section 18. Section **15A-3-305** is amended to read:

1590 **15A-3-305. Amendments to Chapter 5 of IPC.**

1591 (1) IPC, Section 502.4, is deleted and replaced with the following: "502.4 Seismic
1592 supports. As a minimum requirement, water heaters shall be anchored or strapped to resist
1593 horizontal displacement caused by earthquake motion. Strapping shall be at points within the
1594 upper one-third and lower one-third of the appliance's vertical dimensions. "

1595 (2) In IPC, Section 504.6, a new number 15 is added as follows: "15. Be installed in
1596 accordance with the manufacturer's installation instructions, not to exceed 180 degrees in
1597 directional change."

1598 [~~(2)~~] (3) In IPC, Section 504.7.2, the following is added at the end of the section:

1599 "When permitted by the code official, the pan drain may be directly connected to a soil stack,
1600 waste stack, or branch drain. The pan drain shall be individually trapped and vented as
1601 required in Section 907.1. The pan drain shall not be directly or indirectly connected to any
1602 vent. The trap shall be provided with a trap primer conforming to ASSE 1018 or ASSE 1044,
1603 a barrier type floor drain trap seal protection device meeting ASSE 1072, or a deep seal p-trap."

1604 ~~[(3)]~~ (4) A new IPC, Section 504.7.3, is added as follows: "504.7.3 Pan Designation.
1605 A water heater pan shall be considered an emergency receptor designated to receive the
1606 discharge of water from the water heater only and shall not receive the discharge from any
1607 other fixtures, devices, or equipment."

1608 Section 19. Section **15A-3-306** is amended to read:

1609 **15A-3-306. Amendments to Chapter 6 of IPC.**

1610 (1) IPC, Section 602.3, is deleted and replaced with the following: "602.3 Individual
1611 water supply. Where a potable public water supply is not available, individual sources of
1612 potable water supply shall be utilized provided that the source has been developed in
1613 accordance with Utah Code, Sections [73-3-1](#), [73-3-3](#), and [73-3-25](#), as administered by the
1614 Department of Natural Resources, Division of Water Rights. In addition, the quality of the
1615 water shall be approved by the local health department having jurisdiction. The source shall
1616 supply sufficient quantity of water to comply with the requirements of this chapter."

1617 (2) IPC, Sections 602.3.1, 602.3.2, 602.3.3, 602.3.4, 602.3.5, and 602.3.5.1, are
1618 deleted.

1619 (3) A new IPC, Section 604.4.1, is added as follows: "604.4.1 Manually operated
1620 metering faucets for food service establishments. Self closing or manually operated metering
1621 faucets shall provide a flow of water for at least 15 seconds without the need to reactivate the
1622 faucet."

1623 (4) IPC, Section 606.5, is deleted and replaced with the following: "606.5 Water
1624 pressure booster systems. Water pressure booster systems shall be provided as required by
1625 Section 606.5.1 through 606.5.11."

1626 (5) A new IPC, Section 606.5.11, is added as follows: "606.5.11 Prohibited
1627 installation. In no case shall a booster pump be allowed that will lower the pressure in the
1628 public main to less than the minimum water pressure specified in Utah Administrative Code
1629 R309-105-9."

1630 (6) In IPC, Section 608.1, the words "and pollution" are added after the word
1631 "contamination."
1632 (7) In IPC, Section 608.1, the following subsections are added as follows:
1633 "608.1.1 General Installation Criteria.
1634 An assembly shall not be installed more than five feet above the floor unless a permanent
1635 platform is installed. The assembly owner, where necessary, shall provide devices or structures
1636 to facilitate testing, repair, and maintenance and to insure the safety of the backflow technician.
1637 608.1.2 Specific Installation Criteria.
1638 608.1.2.1 Reduced Pressure Principle Blackflow Prevention Assembly.
1639 A reduced pressure principle backflow prevention assembly shall be installed as follows:
1640 a. The assembly shall not be installed in a pit or below grade where the relief port could be
1641 submerged in water or where fumes could be present at the relief port discharge.
1642 b. The relief valve of the assembly shall not be directly connected to a waste disposal line,
1643 including a sanitary sewer, storm drain, or vent.
1644 c. The assembly shall be installed in a horizontal position, unless the assembly is listed or
1645 approved for vertical installation in accordance with Section 303.4.
1646 d. The bottom of each assembly shall be installed a minimum of 12 inches above the ground or
1647 the floor.
1648 e. The body of the assembly shall be a minimum of 12 inches from any wall, ceiling, or
1649 obstacle, and shall be readily accessible for testing, repair, and maintenance.
1650 608.1.2.2 Double Check Valve Backflow Prevention Assembly.
1651 A double check valve backflow prevention assembly shall be installed as follows:
1652 a. The assembly shall be installed in a horizontal position unless the assembly is listed or
1653 approved for vertical installation.
1654 b. The bottom of the assembly shall be a minimum of 12 inches above the ground or the floor.
1655 c. The body of the assembly shall be a minimum of 12 inches from any wall, ceiling, or
1656 obstacle, and shall be readily accessible for testing, repair, and maintenance.
1657 d. If installed in a pit, the assembly shall be installed with a minimum of 12 inches of clearance
1658 around all sides of the vault, including the floor and roof or ceiling, with adequate room for
1659 testing and maintenance.
1660 608.1.2.3 Pressure Vacuum [~~Break~~] Breaker Assembly and Spill Resistant Pressure Vacuum

1661 Breaker Assembly.

1662 A pressure vacuum [~~break~~] breaker assembly and spill resistant pressure vacuum breaker
1663 assembly shall be installed as follows:

1664 a. The assembly shall not be installed in an area that could be subject to backpressure or back
1665 drainage conditions.

1666 b. The assembly shall be installed a minimum of 12 inches above all downstream piping and
1667 the highest point of use.

1668 c. The assembly shall be a minimum of 12 inches from any wall, ceiling, or obstacle, and shall
1669 be readily accessible for testing, repair, and maintenance.

1670 d. The assembly shall not be installed below ground or in a vault or pit.

1671 e. The assembly shall be installed in a vertical position."

1672 (8) In IPC, Section 608.3, the word "and" [~~after~~] before the word "contamination" is
1673 deleted and replaced with a comma and the words "[~~and~~] or pollution" are added after the word
1674 "contamination" in the first sentence.

1675 (9) In IPC, Section [~~608.5~~] 608.6, the words "with the potential to create a condition of
1676 either contamination or pollution or" are added after the word "substances."[:]

1677 (10) In IPC, Section [~~608.6~~] 608.7, the following sentence is added at the end of the
1678 paragraph: "Any connection between potable water piping and sewer-connected waste shall be
1679 protected by an air gap in accordance with Section [~~608.13.1~~] 608.14.1."

1680 (11) IPC, Section [~~608.7~~] 608.8, is deleted and replaced with the following: "[~~608.7~~]
1681 608.8 Stop and Waste Valves installed below grade. Combination stop-and-waste valves shall
1682 be permitted to be installed underground or below grade. Freeze proof yard hydrants that drain
1683 the riser into the ground are considered to be stop-and-waste valves and shall be permitted. A
1684 stop-and-waste valve shall be installed in accordance with a manufacturer's recommended
1685 installation instructions."

1686 [~~(12) In IPC, Section 608.11, the following sentence is added at the end of the~~
1687 ~~paragraph: "The coating and installation shall conform to NSF Standard 61 and application of~~
1688 ~~the coating shall comply with the manufacturer's instructions."~~]

1689 [~~(13)~~] (12) IPC, Section [~~608.13.3~~] 608.14.3, is deleted and replaced with the
1690 following: "[~~608.13.3~~] 608.14.3 Backflow preventer with intermediate atmospheric vent.

1691 Backflow preventers with intermediate atmospheric vents shall conform to ASSE 1012 or CSA

1692 CAN/CSA-B64.3. These devices shall be permitted to be installed on residential boilers
1693 [~~only~~], without chemical treatment, where subject to continuous pressure conditions, and
1694 humidifiers in accordance with Section 608.17.10. The relief opening shall discharge by air
1695 gap and shall be prevented from being submerged."

1696 [~~(14)~~] (13) IPC, Section [~~608.13.4~~] 608.14.4, is deleted.

1697 [~~(15)~~] IPC, Section ~~608.13.9~~, is deleted and replaced with the following: "~~608.13.9~~
1698 ~~Chemical dispenser backflow devices. Backflow devices for chemical dispensers shall comply~~
1699 ~~with Section 608.16.7.~~"

1700 [~~(16)~~] (14) IPC, Section [~~608.15.3~~] 608.16.3, is deleted and replaced with the
1701 following: "~~[608.15.3]~~ 608.16.3 Protection by a backflow preventer with intermediate
1702 atmospheric vent. Connections to residential boilers only, without chemical treatment, and
1703 humidifiers shall be protected by a backflow preventer with an intermediate atmospheric vent."

1704 [~~(17)~~] (15) IPC, Section [~~608.15.4~~] 608.16.4, is deleted and replaced with the
1705 following: "~~[608.15.4]~~ 608.16.4 Protection by a vacuum breaker. Openings and outlets shall be
1706 protected by atmospheric-type or pressure-type vacuum breakers. Vacuum breakers shall not
1707 be installed under exhaust hoods or similar locations that will contain toxic fumes or vapors.
1708 Fill valves shall be set in accordance with Section 425.3.1. Atmospheric Vacuum Breakers -
1709 The critical level of the atmospheric vacuum breaker shall be set a minimum of 6 inches (152
1710 mm) above the flood level rim of the fixture or device. Pipe-applied vacuum breakers shall be
1711 installed not less than 6 inches (152 mm) above the flood level rim of the fixture, receptor, or
1712 device served. No valves shall be installed downstream of the atmospheric vacuum breaker.
1713 The atmospheric vacuum breaker shall not be installed where it may be subjected to continuous
1714 pressure for more than 12 consecutive hours at any time. Pressure Vacuum Breaker - The
1715 critical level of the pressure vacuum breaker shall be set a minimum of 12 inches (304 mm)
1716 above the flood level of the fixture or device."

1717 [~~(18)~~] (16) In IPC, Section [~~608.15.4.2~~] 608.16.4.2, the following is added after the
1718 first sentence: "Add-on-backflow prevention devices shall be non-removable. In climates
1719 where freezing temperatures occur, a listed self-draining frost proof hose bibb with an integral
1720 backflow preventer shall be used."

1721 (17) In IPC, Section 608.17.1.2, the words "or ASSE 1024" are deleted.

1722 [~~(19)~~] (18) IPC, Section [~~608.16.2~~] 608.17.2, is deleted and replaced as follows:

1723 "[~~608.16.2~~] 608.17.2 Connections to boilers. The potable supply to a boiler shall be protected
1724 by an air gap or a reduced pressure principle backflow preventer, complying with ASSE 1013,
1725 CSA B64.4 or AWWA C511.

1726 Exception: The potable supply to a residential boiler without chemical treatment may be
1727 equipped with a backflow preventer with an intermediate atmospheric vent complying with
1728 ASSE 1012 or CSA CAN/CSA-B64.3."

1729 [~~(20)~~] (19) In IPC, Section [~~608.16.4.1~~] 608.17.4.1, a new exception is added as
1730 follows: "Exception: All class 1 and 2 systems containing chemical additives consisting of
1731 strictly glycerine (C.P. or U.S.P. 96.5 percent grade) or propylene glycol shall be protected
1732 against backflow with a double check valve assembly. Such systems shall include written
1733 certification of the chemical additives at the time of original installation and service or
1734 maintenance."

1735 [~~(21)~~] (20) IPC, Section [~~608.16.7~~] 608.17.7, is deleted and replaced with the
1736 following: "[~~608.16.7~~] 608.17.7 Chemical dispensers. Where chemical dispensers connect to
1737 the water distribution system, the water supply system shall be protected against backflow in
1738 accordance with Section [~~608.13.1~~] 608.14.1, Section [~~608.13.2~~] 608.14.2, Section [~~608.13.5~~]
1739 608.14.5, Section [~~608.13.6~~] 608.14.6 or Section [~~608.13.8~~] 608.14.8. Installation shall be in
1740 accordance with Section 608.1.2. Chemical dispensers shall connect to a separate dedicated
1741 water supply line, and not a sink faucet."

1742 [~~(22)~~] (21) IPC, Section [~~608.16.8~~] 608.17.8, is deleted and replaced with the
1743 following: "[~~608.16.8~~] 608.17.8 Portable cleaning equipment. Where the portable cleaning
1744 equipment connects to the water distribution system, the water supply system shall be protected
1745 against backflow in accordance with Section [~~608.13.1~~] 608.14.1 or Section [~~608.13.2~~]
1746 608.14.2."

1747 [~~(23)~~] (22) A new IPC, Section [~~608.16.11~~] 608.17.11, is added as follows:
1748 "[~~608.16.11~~] 608.17.11 Automatic and coin operated car washes. The water supply to an
1749 automatic or coin operated car wash shall be protected in accordance with Section [~~608.13.1~~]
1750 608.14.1 or Section [~~608.13.2~~] 608.14.2."

1751 [~~(24)~~] (23) IPC, Section [~~608.17~~] 608.18, is deleted and replaced with the following:
1752 "[~~608.17~~] 608.18 Protection of individual water supplies. See Section 602.3 for requirements."

1753 Section 20. Section **15A-3-307** is amended to read:

1754 **15A-3-307. Amendments to Chapter 7 of IPC.**

1755 (1) IPC, Section 701.2, is deleted and replaced with the following: "701.2 Sewer
1756 required. Every building in which plumbing fixtures are installed and all premises having
1757 drainage piping shall be connected to a public sewer where the sewer is accessible and is
1758 within 300 feet of the property line in accordance with Utah Code, Section 10-8-38; or an
1759 approved private sewage disposal system in accordance with Utah Administrative Code, Rule
1760 R317-4, as administered by the Department of Environmental Quality, Division of Water
1761 Quality."

1762 (2) A new IPC Section 701.8 is added as follows: "701.8 Drainage piping in food
1763 service areas. Exposed soil or waste piping shall not be installed above any working, storage, or
1764 eating surfaces in food service establishments."

1765 [~~(2)~~] (3) In IPC, Section 712.3.3.1, the following words are added [~~before~~] after the
1766 word [~~"or"~~] "PE": "stainless steel, cast iron, galvanized steel, brass,".

1767 Section 21. Section **15A-3-310** is amended to read:

1768 **15A-3-310. Amendments to Chapter 10 of IPC.**

1769 [~~IPC, Chapter 10, is not amended.~~] In IPC, Section 1003.3.8, the word "gravity" is
1770 inserted before the word "grease."

1771 Section 22. Section **15A-3-314** is amended to read:

1772 **15A-3-314. Amendments to Chapter 14 of IPC.**

1773 IPC, Chapter 14, is deleted and replaced with the following:

1774 "1401. Subsurface Landscape Irrigation Systems.

1775 [~~Gray water~~] Graywater recycling systems utilized for subsurface irrigation for single-family
1776 residences shall comply with the requirements of UAC R317-401, [~~Gray Water~~] Graywater
1777 Systems. [~~Gray-water~~] Graywater recycling systems utilized for subsurface irrigation for other
1778 occupancies shall comply with UAC R317-3, Design Requirements for Wastewater Collection,
1779 Treatment, and Disposal Systems, and UAC R317-4, Onsite [~~Waterwaste~~] Wastewater
1780 Systems."

1781 Section 23. Section **15A-3-401** is amended to read:

1782 **15A-3-401. General provisions.**

1783 (1) The amendments in this part are adopted as amendments to the IMC to be
1784 applicable statewide.

1785 (2) In IMC, Section 1004.2, the first sentence is deleted and replaced with the
1786 following: " In accordance with Title 34A, Chapter 7, Safety, and requirements made by rule by
1787 the Labor Commission, boilers and pressure vessels in Utah are regulated by the Utah Labor
1788 Commission, Division of Boiler, Elevator and Coal Mine Safety, except those located in
1789 private residences or in apartment houses of less than five family units. Boilers shall be
1790 installed in accordance with their listing and labeling, with minimum clearances as prescribed
1791 by the manufacturer's installation instructions and the state boiler code, whichever is greater."

1792 (3) In IMC, Section 1004.3.1, the word "unlisted" is inserted before the word "boilers".

1793 [~~(4) IMC, Section 1101.10, is deleted.~~]

1794 [~~(5)~~] (4) In IMC, Section 1209.3, the following words are added at the end of the
1795 section: "or other methods approved for the application."

1796 Section 24. Section **15A-3-501** is amended to read:

1797 **15A-3-501. General provisions.**

1798 The following are adopted as an amendment to the IFGC to be applicable statewide:

1799 (1) In IFGC, Section 404.9, a new Section 404.9.1, is added as follows: "404.9.1 Meter
1800 protection. Fuel gas services shall be in an approved location and/or provided with structures
1801 designed to protect the fuel gas meter and surrounding piping from physical damage, including
1802 falling, moving, or migrating ice and snow. If an added structure is used, it must still provide
1803 access for service and comply with the IBC or the IRC."

1804 (2) IFGC, Section 409.5.3, is deleted.

1805 (3) In IFGC, Section 502.1, the last sentence is deleted and replaced with "Plastic vents
1806 for Category IV appliances shall not be required to be listed and labeled where such vents
1807 comply with all of the following:

1808 1. specified by the appliance manufacturer;

1809 2. installed in accordance with the appliance manufacturer's instructions; and

1810 3. the vent gas temperatures do not exceed 140 degrees Fahrenheit."

1811 (4) In IFGC, Section 503.4.1, in the last sentence after "appliance manufacturer" insert:
1812 "where the appliance vent gas temperatures do not exceed 140 degrees Fahrenheit,".

1813 (5) In IFGC, Section 503.6.11.1, the following exception is added:

1814 "Exception: Existing and replacement Category I appliances may be located in rooms within
1815 the occupiable space provided all the following are met:

- 1816 1. The original installation was compliant with existing codes at the time of installation.
- 1817 2. The dwelling is equipped with a current, operable carbon monoxide detector, installed in
- 1818 accordance with Section 915 of the International Building Code.
- 1819 3. The AHJ has approved a replacement based on the extreme difficulty of an installing
- 1820 individual Category I vent system or a direct vent Category IV appliance.
- 1821 4. The room or space is used for no other purpose.
- 1822 5. Combustion air is provided in accordance with Section 304. Where outdoor combustion air
- 1823 is provided, the room has a solid weather-stripped door equipped with an approved self-closure
- 1824 device.
- 1825 6. Common vents terminate with a listed cap."

1826 [(3)] (6) In IFGC, Section 631.2, the following sentence is inserted before the first
 1827 sentence: " In accordance with Title 34A, Chapter 7, Safety, and requirements made by rule by
 1828 the Labor Commission, boilers and pressure vessels in Utah are regulated by the Utah Labor
 1829 Commission, Division of Boiler, Elevator and Coal Mine Safety, except those located in
 1830 private residences or in apartment houses of less than five family units. Boilers shall be
 1831 installed in accordance with their listing and labeling, with minimum clearances as prescribed
 1832 by the manufacturer's installation instructions and the state boiler code, whichever is greater."

1833 Section 25. Section **15A-3-701** is amended to read:

1834 **15A-3-701. General provisions.**

1835 The following is adopted as an amendment to the IECC to be applicable statewide:

1836 (1) In IECC, Section [~~C403.2.9.1.3~~] C403.11.2.3, the words "by the designer" are
 1837 deleted.

1838 (2) In IECC, Section R103.2, all words after the words "herein governed." are deleted
 1839 and replaced with the following: "Construction documents include all documentation required
 1840 to be submitted in order to issue a building permit."

1841 (3) In IECC, Section R303.3, all wording after the first sentence is deleted.

1842 (4) In IECC, Section R401.2, a new number 4 is added as follows:

1843 "4. Compliance may be shown by demonstrating a result, using the software
 1844 RESCheck 2012 Utah Energy Conservation Code, of:

1845 (a) on or after January 1, 2017, and before January 1, 2019, "3 percent better than
 1846 code";

1847 (b) on or after January 1, 2019, and before January 1, 2021, "4 percent better than
1848 code"; and

1849 (c) after January 1, 2021, "5 percent better than code".

1850 (5) In IECC, Table R402.2, in the column entitled MASS WALL R-VALUE, a new
1851 footnote j is added as follows:

1852 "j. Log walls complying with ICC400 and with a minimum average wall thickness of 5 inches
1853 or greater shall be permitted in Zones 5 through 8 when overall window glazing has a .31
1854 U-factor or lower, minimum heating equipment efficiency is, for gas, 90 AFUE, or, for oil, 84
1855 AFUE, and all other component requirements are met."

1856 (6) In IECC, Section R402.4.1, in the first sentence, the word "and" is deleted and
1857 replaced with the word "or".

1858 (7) In IECC, Section R402.4.1.1, the last sentence is deleted and replaced with the
1859 following: "Where allowed by the code official, the builder may certify compliance to
1860 components criteria for items which may not be inspected during regularly scheduled
1861 inspections."

1862 (8) In IECC, Section R402.4.1.2, the following changes are made:

1863 (a) In the first sentence:

1864 (i) "The building or dwelling unit" is deleted and replaced with "A single-family
1865 dwelling";

1866 [(i)] (ii) ~~[on or]~~ after January 1, 2019, ~~[and before January 1, 2021,]~~ replace the word
1867 "five" with "3.5"; and

1868 [(ii) after January 1, 2021, replace the word "five" with "three."]

1869 [(b) In the first sentence,]

1870 (iii) the words "in Climate Zones 1 and 2, and three air changes per hour in Climate
1871 Zones 3 through 8" are deleted.

1872 (b) The following sentence is inserted after the first sentence: "A multi-family dwelling
1873 and townhouse shall be tested and verified as having an air leakage rate of not exceeding five
1874 air changes per hour."

1875 (c) In the third sentence, the word "third" is deleted.

1876 (d) The following sentence is inserted after the third sentence: "The following parties
1877 shall be approved to conduct testing: Parties certified by BPI or RESNET, or licensed

1878 contractors who have completed training provided by Blower Door Test equipment
1879 manufacturers or other comparable training."

1880 (9) In IECC, Section R403.3.3:

1881 (a) the exception for duct air leakage testing is deleted; and

1882 (b) the exception for duct air leakage is replaced:

1883 (i) on or after January 1, 2017, and before January 1, 2019, with the following:

1884 "Exception: The total leakage test is not required for systems with all air handlers and at least
1885 65% of all ducts (measured by length) located entirely within the building thermal envelope.";

1886 (ii) on or after January 1, 2019, and before January 1, 2021, with the following:

1887 "Exception: The duct air leakage test is not required for systems with all air handlers and at
1888 least 75% of all ducts (measured by length) located entirely within the building thermal
1889 envelope."; and

1890 (iii) on or after January 1, 2021, with the following: "Exception: The duct air leakage
1891 test is not required for systems with all air handlers and at least 80% of all ducts (measured by
1892 length) located entirely within the building thermal envelope."

1893 (10) In IECC, Section R403.3.3, the following is added after the exception:

1894 "The following parties shall be approved to conduct testing:

1895 1. Parties certified by BPI or RESNET.

1896 2. Licensed contractors who have completed training provided by Duct Test equipment
1897 manufacturers or other comparable training."

1898 (11) In IECC, Section R403.3.4:

1899 (a) in Subsection 1, the number 4 is changed to 8, the number 113.3 is changed to 170,
1900 the number 3 is changed to 6, and the number 85 is changed to 114.6; and

1901 (b) in Subsection 2:

1902 (i) on or after January 1, 2017, and before January 1, 2019, the number 4 is changed to
1903 8 and the number 113.3 is changed to 226.5;

1904 (ii) on or after January 1, 2019, and before January 1, 2021, the number 4 is changed to
1905 7 and the number 113.3 is changed to 198.2; and

1906 (iii) on or after January 1, 2021, the number 4 is changed to 6 and the number 113.3 is
1907 changed to 169.9.

1908 (12) In IECC, Section R403.3.5, the words "or plenums" are deleted.

1909 (13) In IECC, Section R403.5.3, Subsection 5 is deleted and Subsections 6 and 7 are
1910 renumbered.

1911 (14) IECC, Section R403.6.1, is deleted and replaced with the following: "R403.6.1
1912 Whole-house mechanical ventilation system fan efficacy. Fans used to provide whole-house
1913 mechanical ventilation shall meet the efficacy requirements of Table R403.6.1.

1914 Exception: Where an air handler that is integral to tested and listed HVAC equipment is
1915 used to provide whole-house mechanical ventilation, the air handler shall be powered by an
1916 electronically commutated motor."

1917 [~~14~~] (15) In IECC, Section R406.4, the table is deleted and replaced with the
1918 following:

1919 TABLE R406.4

1920 MAXIMUM ENERGY RATING INDEX

CLIMATE ZONE	ENERGY RATING INDEX
3	65
5	69
6	68

1925 Section 26. Section **15A-3-801** is amended to read:

1926 **15A-3-801. General provisions.**

1927 The following are adopted as amendments to the IEBC and are applicable statewide:

1928 (1) In Section 202, the following definition is added: "BUILDING OFFICIAL. See
1929 Code Official."

1930 (2) In Section 202, the definition for "code official" is deleted and replaced with the
1931 following:

1932 "CODE OFFICIAL. The officer or other designated authority having jurisdiction (AHJ)
1933 charged with the administration and enforcement of this code."

1934 (3) In Section 202, the definition for existing buildings is deleted and replaced with the
1935 following:

1936 "EXISTING BUILDING. A building that is not a dangerous building and that was either
1937 lawfully erected under a prior adopted code, or deemed a legal non-conforming building by the

1938 code official."

1939 (4) In Section ~~[301.1]~~ 301.3, the exception is deleted.

1940 (5) Section ~~[403.5]~~ 503.6 is deleted and replaced with the following:

1941 "~~[403.5]~~ 503.6 Bracing for unreinforced masonry parapets and other appendages upon
1942 reroofing.

1943 Where the intended alteration requires a permit for reroofing and involves removal of roofing
1944 materials from more than 25% of the roof area of a building assigned to Seismic Design
1945 Category D, E, or F that has parapets constructed of unreinforced masonry or appendages such
1946 as cornices, spires, towers, tanks, signs, statuary, etc., the work shall include installation of
1947 bracing to resist out-of-plane seismic forces, unless an evaluation demonstrates compliance of
1948 such items. ~~[For purposes of this section, design seismic forces need not be taken greater than
1949 75% of those that would be required for the design of similar nonstructural components in new
1950 buildings of similar purpose and location]~~ Reduced seismic forces are permitted for design
1951 purposes."

1952 (6) In Section 705.1, Exception number 3, the following is added at the end of the
1953 exception:

1954 "This exception does not apply if the existing facility is undergoing a change of occupancy
1955 classification."

1956 (7) Section ~~[707.3.1]~~ 706.3.1 is deleted and replaced with the following:

1957 "~~[707.3.1]~~ 706.3.1 Bracing for unreinforced masonry bearing wall parapets and other
1958 appendages.

1959 Where a permit is issued for reroofing more than 25 percent of the roof area of a building
1960 assigned to Seismic Design Category D, E, or F that has parapets constructed of unreinforced
1961 masonry or appendages such as cornices, spires, towers, tanks, signs, statuary, etc., the work
1962 shall include installation of bracing to resist the reduced International Building Code level
1963 seismic forces as specified in Section ~~[301.1.4.2]~~ 303 of this code unless an evaluation
1964 demonstrates compliance of such items."

1965 (8) Section 906.6 is deleted and replaced with the following:

1966 "906.6 Bracing for unreinforced masonry parapets and other appendages upon
1967 reroofing.

1968 Where the intended alteration requires a permit for reroofing and involves removal of

1969 roofing materials from more than 25% of the roof area of a building assigned to Seismic
 1970 Design Category D, E, or F that has parapets constructed of unreinforced masonry or
 1971 appendages such as cornices, spires, towers, tanks, signs, statuary, etc., the work shall include
 1972 installation of bracing to resist out-of-plane seismic forces, unless an evaluation demonstrates
 1973 compliance with such items. Reduced seismic forces are permitted for design purposes."

1974 ~~[(8)]~~ (9) (a) Section ~~[1007.3.1]~~ 1006.3 is deleted and replaced with the following:

1975 ~~["1007.3.1 Compliance with the International Building Code Level Seismic Forces:~~

1976 ~~When a building or portion thereof is subject to a change of occupancy such that a change in~~
 1977 ~~the nature of the occupancy results in a higher risk category based on Table 1604.5 of the~~
 1978 ~~International Building Code or when such change of occupancy results in a design occupant~~
 1979 ~~load increase of 100% or more, the building shall conform to the seismic requirements of the~~
 1980 ~~International Building Code for the new risk category."]~~

1981 "1006.3 Seismic Loads. Where a change of occupancy results in a building being
 1982 assigned to a higher risk category, or when a change of occupancy results in a design occupant
 1983 load increase of 100% or more, the building shall satisfy the requirements of Section 1613 of
 1984 the International Building Code using full seismic forces."

1985 (b) Section ~~[1007.3.1]~~ 1006.3, exceptions 1 through 3 remain unchanged.

1986 (c) In Section ~~[1007.3.1]~~ 1006.3, add a new exception 4 as follows:

1987 "4. Where the design occupant load increase is less than 25 occupants and the occupancy
 1988 category does not change."

1989 ~~[(9)]~~ (10) In Section 1012.7.3, exception 2 is deleted.

1990 ~~[(10)]~~ (11) In Section 1012.8.2, number 7 is added as follows:

1991 "7. When a change of occupancy in a building or portion of a building results in a Group R-2
 1992 occupancy, not less than 20% of the dwelling or sleeping units shall be Type B dwelling or
 1993 sleeping units. These dwelling or sleeping units may be located on any floor of the building
 1994 provided with an accessible route. Two percent, but not less than one unit, of the dwelling or
 1995 sleeping units shall be Type A dwelling units."

1996 Section 27. Section **15A-4-107** is amended to read:

1997 **15A-4-107. Amendments to IBC applicable to Sandy City.**

1998 The following amendments are adopted as amendments to the IBC for Sandy City:

1999 (1) A new IBC, Section (F)903.2.13, is added as follows: "(F)903.2.13 An automatic

2000 sprinkler system shall be installed in accordance with NFPA 13 throughout buildings
2001 containing all occupancies where fire flow exceeds 2,000 gallons per minute, based on Table
2002 B105.1 (2) of the [2015] 2018 International Fire Code. A one- or two-family dwelling or a
2003 town home is not required to have a fire sprinkler system except in accordance with Section
2004 15A-5-203."

2005 (2) A new IBC, Appendix [E] N, is added and adopted as follows: "Appendix [E] N
2006 BUILDINGS AND STRUCTURES CONSTRUCTED IN AREAS DESIGNATED AS
2007 WILDLAND-URBAN INTERFACE AREAS
2008 AL 101.1 General. Buildings and structures constructed in areas designated as Wildland-Urban
2009 Interface Areas by Sandy City shall be constructed using ignition resistant construction as
2010 determined by the Fire Marshal. Section 502 of the 2006 International Wildland-Urban
2011 Interface Code (IWUIC), as promulgated by the International Code Council, shall be used to
2012 determine Fire Hazard Severity. The provisions listed in Chapter 5 of the 2006 International
2013 Wildland-Urban Interface Code, as modified herein, shall be used to determine the
2014 requirements for Ignition Resistant Construction."

2015 (3) In Section 504 of the IWUIC Class I IGNITION-RESISTANT CONSTRUCTION a new
2016 Section 504.1.1 is added as follows: "504.1.1 General. Subsections 504.5, 504.6, and 504.7
2017 shall only be required on the exposure side of the structure, as determined by the fire code
2018 official, where defensible space is less than 50 feet as defined in Section 603 of the 2006
2019 International Wildland-Urban Interface Code."

2020 (4) In Section 505 of the IWUIC Class 2 IGNITION-RESISTANT CONSTRUCTION
2021 Subsections 505.5 and 505.7 are deleted.

2022 Section 28. **Effective date.**

2023 (1) Notwithstanding Subsection (2), if approved by two-thirds of all the members
2024 elected to each house, the actions affecting the following sections take effect upon approval by
2025 the governor, or the day following the constitutional time limit of Utah Constitution, Article
2026 VII, Section 8, without the governor's signature, or in the case of a veto, the date of veto
2027 override:

2028 (a) Section 15A-3-203; and

2029 (b) Section 15A-3-701.

2030 (2) This bill takes effect on July 1, 2019.