

**BUILDING CODE AMENDMENTS**

2020 GENERAL SESSION

STATE OF UTAH

**Chief Sponsor: Mike Schultz**

Senate Sponsor: Curtis S. Bramble

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**LONG TITLE**

**Committee Note:**

The Business and Labor Interim Committee recommended this bill.

Legislative Vote: 12 voting for 0 voting against 8 absent

**General Description:**

This bill addresses swimming pool, spa, and aviation related construction provisions.

**Highlighted Provisions:**

This bill:

- ▶ adopts and amends the residential provisions of the 2018 edition of the International Swimming Pool and Spa Code;
- ▶ under certain conditions, exempts airport hangars from having a fire-resistance exterior wall rating of not less than two hours;
- ▶ amends citations in amendments to the International Plumbing Code;
- ▶ amends a citation in an amendment to the International Mechanical Code;
- ▶ amends provisions in the International Existing Building Code; and
- ▶ makes technical and conforming changes.

**Money Appropriated in this Bill:**

None

**Other Special Clauses:**

None

**Utah Code Sections Affected:**



28 AMENDS:

29 15A-1-202, as last amended by Laws of Utah 2019, Chapter 20

30 15A-2-102, as last amended by Laws of Utah 2016, Chapter 249

31 15A-2-103, as last amended by Laws of Utah 2019, Chapters 20 and 436

32 15A-3-103, as last amended by Laws of Utah 2019, Chapter 20

33 15A-3-112, as last amended by Laws of Utah 2019, Chapter 20

34 15A-3-202, as last amended by Laws of Utah 2019, Chapter 20

35 15A-3-304, as last amended by Laws of Utah 2019, Chapter 20

36 15A-3-313, as last amended by Laws of Utah 2016, Chapter 249

37 15A-3-402, as enacted by Laws of Utah 2017, Chapter 14

38 15A-3-801, as last amended by Laws of Utah 2019, Chapter 20

39 ENACTS:

40 15A-3-1001, Utah Code Annotated 1953



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

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

44 **15A-1-202. Definitions.**

45 As used in this chapter:

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

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

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

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

54 (4) "Code" means:

55 (a) the State Construction Code; or

56 (b) an approved code.

57 (5) "Commission" means the Uniform Building Code Commission created in Section  
58 15A-1-203.

59 (6) "Compliance agency" means:

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

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

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

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

70 (a) a building code;

71 (b) an electrical code;

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

73 (d) a plumbing code;

74 (e) a mechanical code;

75 (f) a fuel gas code;

76 (g) an energy conservation code; [~~and~~]

77 (h) a swimming pool and spa code; and

78 [~~(h)~~] (i) a manufactured housing installation standard code.

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

80 (9) "Legislative action" includes legislation that:

81 (a) adopts a new State Construction Code;

82 (b) amends the State Construction Code; or

83 (c) repeals one or more provisions of the State Construction Code.

84 (10) "Local regulator" means a political subdivision of the state that is empowered to  
85 engage in the regulation of construction, alteration, remodeling, building, repair, and other  
86 activities subject to the codes.

87 (11) "Not for human occupancy" means use of a structure for purposes other than  
88 protection or comfort of human beings, but allows people to enter the structure for:

89 (a) maintenance and repair; and

90 (b) the care of livestock, crops, or equipment intended for agricultural use which are  
91 kept there.

92 (12) "Opinion" means a written, nonbinding, and advisory statement issued by the  
93 commission concerning an interpretation of the meaning of the codes or the application of the  
94 codes in a specific circumstance issued in response to a specific request by a party to the issue.

95 (13) "State regulator" means an agency of the state which is empowered to engage in  
96 the regulation of construction, alteration, remodeling, building, repair, and other activities  
97 subject to the codes adopted pursuant to this chapter.

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

99 **15A-2-102. Definitions.**

100 As used in this chapter and Chapter 3, Statewide Amendments Incorporated as Part of  
101 State Construction Code, and Chapter 4, Local Amendments Incorporated as Part of State  
102 Construction Code:

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

106 (2) "IBC" means the edition of the International Building Code adopted under Section  
107 [15A-2-103](#).

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

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

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

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

116 (7) "IPC" means the edition of the International Plumbing Code adopted under Section  
117 [15A-2-103](#).

118 (8) "IRC" means the edition of the International Residential Code adopted under  
119 Section [15A-2-103](#).

120 (9) "ISPSC" means the edition of the International Swimming Pool and Spa Code

121 adopted under Section [15A-2-103](#).

122 ~~[(9)]~~ (10) "NEC" means the edition of the National Electrical Code adopted under  
123 Section [15A-2-103](#).

124 ~~[(10)]~~ (11) "UWUI" means the edition of the Utah Wildland Urban Interface Code  
125 adopted under Section [15A-2-103](#).

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

127 **15A-2-103. Specific editions adopted of construction code of a nationally**  
128 **recognized code authority.**

129 (1) Subject to the other provisions of this part, the following construction codes are  
130 incorporated by reference, and together with the amendments specified in Chapter 3, Statewide  
131 Amendments Incorporated as Part of State Construction Code, and Chapter 4, Local  
132 Amendments Incorporated as Part of State Construction Code, are the construction standards to  
133 be applied to building construction, alteration, remodeling, and repair, and in the regulation of  
134 building construction, alteration, remodeling, and repair in the state:

135 (a) the 2018 edition of the International Building Code, including Appendix J, issued  
136 by the International Code Council;

137 (b) the 2015 edition of the International Residential Code, issued by the International  
138 Code Council;

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

141 (d) the 2018 edition of the International Plumbing Code, issued by the International  
142 Code Council;

143 (e) the 2018 edition of the International Mechanical Code, issued by the International  
144 Code Council;

145 (f) the 2018 edition of the International Fuel Gas Code, issued by the International  
146 Code Council;

147 (g) the 2017 edition of the National Electrical Code, issued by the National Fire  
148 Protection Association;

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

151 (i) the commercial provisions of the 2018 edition of the International Energy

152 Conservation Code, issued by the International Code Council;

153 (j) the 2018 edition of the International Existing Building Code, issued by the  
154 International Code Council;

155 (k) subject to Subsection 15A-2-104(2), the HUD Code;

156 (l) subject to Subsection 15A-2-104(1), Appendix E of the 2015 edition of the  
157 International Residential Code, issued by the International Code Council;

158 (m) subject to Subsection 15A-2-104(1), the 2005 edition of the NFPA 225 Model  
159 Manufactured Home Installation Standard, issued by the National Fire Protection Association;

160 [~~and~~]

161 (n) subject to Subsection (3), for standards and guidelines pertaining to plaster on a  
162 historic property, as defined in Section 9-8-302, the U.S. Department of the Interior Secretary's  
163 Standards for Rehabilitation and Guidelines for Rehabilitating Historic Buildings[-]; and

164 (o) the residential provisions of the 2018 edition of the International Swimming Pool  
165 and Spa Code, issued by the International Code Council.

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

172 (3) The standards and guidelines described in Subsection (1)(n) apply only if:

173 (a) the owner of the historic property receives a government tax subsidy based on the  
174 property's status as a historic property;

175 (b) the historic property is wholly or partially funded by public money; or

176 (c) the historic property is owned by a government entity.

177 Section 4. Section 15A-3-103 is amended to read:

178 **15A-3-103. Amendments to Chapters 4 through 6 of IBC.**

179 (1) IBC Section 403.5.5 is deleted.

180 (2) In IBC, Section 407.2.5, the words "and assisted living facility" are added in the  
181 title and first sentence after the words "nursing home."

182 (3) In IBC, Section 407.2.6, the words "and assisted living facility" are added in the

183 title after the words "nursing home."

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

186 (5) In IBC, Section 412.3.1, a new exception is added as follows: "Exception: Aircraft  
187 hangars of type I or II construction less than 5,000 sq. ft."

188 [~~5~~] (6) A new IBC, Section 422.2.1 is added as follows: " 422.2.1 Separations:  
189 Ambulatory care facilities licensed by the Department of Health shall be separated from  
190 adjacent tenants with a fire partition having a minimum one hour fire-resistance rating. Any  
191 level below the level of exit discharge shall be separated from the level of exit discharge by a  
192 horizontal assembly having a minimum one hour fire-resistance rating.

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

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

197 [~~6~~] (7) A new IBC Section 429, Day Care, is added as follows:

198 " 429.1 Detailed Requirements. In addition to the occupancy and construction requirements in  
199 this code, the additional provisions of this section shall apply to all Day Care in accordance  
200 with Utah Administrative Code R710-8 Day Care Rules.

201 429.2 Definitions.

202 429.2.1 Authority Having Jurisdiction (AHJ): State Fire Marshal, his duly authorized deputies,  
203 or the local fire enforcement authority code official.

204 429.2.2 Day Care Facility: Any building or structure occupied by clients of any age who  
205 receive custodial care for less than 24 hours by individuals other than parents, guardians,  
206 relatives by blood, marriage or adoption.

207 429.2.3 Day Care Center: Providing care for five or more clients in a place other than the home  
208 of the person cared for. This would also include Child Care Centers, Out of School Time or  
209 Hourly Child Care Centers licensed by the Department of Health.

210 429.2.4 Family Day Care: Providing care for clients listed in the following two groups:

211 429.2.4.1 Type 1: Services provided for five to eight clients in a home. This would also  
212 include a home that is certified by the Department of Health as Residential Certificate Child  
213 Care or licensed as Family Child Care.

214 429.2.4.2 Type 2: Services provided for nine to sixteen clients in a home with sufficient  
215 staffing. This would also include a home that is licensed by the Department of Health as  
216 Family Child Care.

217 429.2.5 R710-8: Utah Administrative Code, R710-8, Day Care Rules, as enacted under the  
218 authority of the Utah Fire Prevention Board.

219 429.3 Family Day Care.

220 429.3.1 Family Day Care units shall have on each floor occupied by clients, two separate  
221 means of egress, arranged so that if one is blocked the other will be available.

222 429.3.2 Family Day Care units that are located in the basement or on the second story shall be  
223 provided with two means of egress, one of which shall discharge directly to the outside.

224 429.3.2.1 Residential Certificate Child Care and Licensed Family Child Care with five to eight  
225 clients in a home, located on the ground level or in a basement, may use an emergency escape  
226 or rescue window as allowed in IFC, Chapter 10, Section 1030.

227 429.3.3 Family Day Care units shall not be located above the second story.

228 429.3.4 In Family Day Care units, clients under the age of two shall not be located above or  
229 below the first story.

230 429.3.4.1 Clients under the age of two may be housed above or below the first story where  
231 there is at least one exit that leads directly to the outside and complies with IFC, Section 1011  
232 or Section 1012 or Section 1027.

233 429.3.5 Family Day Care units located in split entry/split level type homes in which stairs to  
234 the lower level and upper level are equal or nearly equal, may have clients housed on both  
235 levels when approved by the AHJ.

236 429.3.6 Family Day Care units shall have a portable fire extinguisher on each level occupied by  
237 clients, which shall have a classification of not less than 2A:10BC, and shall be serviced in  
238 accordance with NFPA, Standard 10, Standard for Portable Fire Extinguishers.

239 429.3.7 Family Day Care units shall have single station smoke detectors in good operating  
240 condition on each level occupied by clients. Battery operated smoke detectors shall be  
241 permitted if the facility demonstrates testing, maintenance, and battery replacement to insure  
242 continued operation of the smoke detectors.

243 429.3.8 Rooms in Family Day Care units that are provided for clients to sleep or nap, shall  
244 have at least one window or door approved for emergency escape.



245 429.3.9 Fire drills shall be conducted in Family Day Care units quarterly and shall include the  
246 complete evacuation from the building of all clients and staff. At least annually, in Type I  
247 Family Day Care units, the fire drill shall include the actual evacuation using the escape or  
248 rescue window, if one is used as a substitute for one of the required means of egress.

249 429.4 Day Care Centers.

250 429.4.1 Day Care Centers shall comply with either I-4 requirements or E requirements of the  
251 IBC, whichever is applicable for the type of Day Care Center.

252 429.4.2 Emergency Evacuation Drills shall be completed as required in IFC, Chapter 4, Section  
253 405.

254 429.4.3 Location at grade. Group E child day care centers shall be located at the level of exit  
255 discharge.

256 429.4.3.1 Child day care spaces for children over the age of 24 months may be located on the  
257 second floor of buildings equipped with automatic fire protection throughout and an automatic  
258 fire alarm system.

259 429.4.4 Egress. All Group E child day care spaces with an occupant load of more than 10 shall  
260 have a second means of egress. If the second means of egress is not an exit door leading  
261 directly to the exterior, the room shall have an emergency escape and rescue window  
262 complying with Section 1030.

263 429.4.5 All Group E Child Day Care Centers shall comply with Utah Administrative Code,  
264 R430-100 Child Care Centers, R430-60 Hourly Child Care Centers, and R430-70 Out of  
265 School Time.

266 429.5 Requirements for all Day Care.

267 429.5.1 Heating equipment in spaces occupied by children shall be provided with partitions,  
268 screens, or other means to protect children from hot surfaces and open flames.

269 429.5.2 A fire escape plan shall be completed and posted in a conspicuous place. All staff shall  
270 be trained on the fire escape plan and procedure."

271 [~~(7)~~] (8) In IBC, Section 504.4, a new section is added as follows: "504.4.1

272 Notwithstanding the exceptions to Section 504.2, Group I-2 Assisted Living Facilities shall be  
273 allowed on each level of a two-story building of Type V-A construction when all of the  
274 following apply:

275 1. All secured units are located at the level of exit discharge in compliance with Section

276 1010.1.9.3 as amended;

277 2. The total combined area of both stories shall not exceed the total allowable area for a  
278 one-story building; and

279 3. All other provisions that apply in Section 407 have been provided."

280 [~~8~~] (9) In IBC, Section 504.4, a new section is added as follows: "504.4.2 Group I-2  
281 Assisted Living Facilities. Notwithstanding the allowable number of stories permitted by Table  
282 504.4 Group I-2 Assisted Living Facilities of type VA, construction shall be allowed on each  
283 level of a two-story building when all of the following apply:

284 1. The total combined area of both stories does not exceed the total allowable area for a  
285 one-story, above grade plane building equipped throughout with an automatic sprinkler system  
286 installed in accordance with Section 903.3.1.1.

287 2. All other provisions that apply in Section 407 have been provided."

288 [~~9~~] (10) A new IBC, Section 504.5, is added as follows: "504.5 Group 1-2 Secured  
289 areas in Assisted Living Facilities. In Type IIIB, IV, and V construction, all areas for the use  
290 and care of residents required to be secured shall be located on the level of exit discharge with  
291 door operations in compliance with Section 1010.1.9.7, as amended."

292 Section 5. Section **15A-3-112** is amended to read:

293 **15A-3-112. Amendments to Chapters 29 through 31 of IBC.**

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

295 (a) In the row for "E" occupancy in the field for "OTHER" a new footnote i is added.

296 (b) In the row for "I-4" occupancy in the field for "OTHER" a new footnote i is added.

297 (c) A new footnote h is added as follows: "FOOTNOTE: g. When provided, subject to  
298 footnote i, in public toilet facilities there shall be an equal number of diaper changing facilities  
299 in male toilet rooms and female toilet rooms."

300 (d) A new footnote h is added to the table as follows: "FOOTNOTE h: Non-residential  
301 child care facilities shall comply with additional sink requirements of Utah Administrative  
302 Code, R381-60-9, Hourly Child Care Centers, R381-70-9, Out of School Time Child Care  
303 Programs, and R381-100-9, Child Care Centers."

304 (e) A new footnote i is added to the table as follows: "FOOTNOTE i: A building  
305 owned by a state government entity or by a political subdivision of the state that allows access  
306 to the public shall provide diaper changing facilities in accordance with footnote h if:

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

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

313 (2) A new IBC, Section [P]2902.7, is added as follows:  
314 "[P]2902.7 Toilet Facilities for Workers.

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

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

320 (4) In IBC, Section 3109.1, the words "the International Swimming Pool and Spa  
321 Code" at the end of the section are deleted and replaced with the words "Utah Administrative  
322 Code, R392-302, Design, Construction and Operation of Public Pools."

323 Section 6. Section **15A-3-202** is amended to read:

324 **15A-3-202. Amendments to Chapters 1 through 5 of IRC.**

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

332 (2) In IRC, Section 109:

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

337 (b) The remaining sections are renumbered as follows: R109.1.6 Other inspections;

338 R109.1.6.1 Fire- and smoke-resistance-rated construction inspection; R109.1.6.2 Reinforced  
339 masonry, insulating concrete form (ICF) and conventionally formed concrete wall inspection;  
340 and R109.1.7 Final inspection.

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

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

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

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

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

369 (8) IRC, Figure R301.2(5), is deleted and replaced with R301.2(5) as follows:

370

"TABLE R301.2(5)

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GROUND SNOW LOADS FOR SELECTED LOCATIONS IN UTAH

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City/Town	County	Ground Snow Load (lb/ft <sup>2</sup> )	Elevation (ft)
Beaver	Beaver	35	5886
Brigham City	Box Elder	42	4423
Castle Dale	Emery	32	5669
Coalville	Summit	57	5581
Duchesne	Duchesne	39	5508
Farmington	Davis	35	4318
Fillmore	Millard	30	5138
Heber City	Wasatch	60	5604
Junction	Piute	27	6030
Kanab	Kane	25	4964
Loa	Wayne	37	7060
Logan	Cache	43	4531
Manila	Daggett	26	6368
Manti	Sanpete	37	5620
Moab	Grand	21	4029
Monticello	San Juan	67	7064
Morgan	Morgan	52	5062
Nephi	Juab	39	5131
Ogden	Weber	37	4334
Panguitch	Garfield	41	6630
Parowan	Iron	32	6007
Price	Carbon	31	5558
Provo	Utah	31	4541
Randolph	Rich	50	6286

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397	Richfield	Sevier	27	5338
398	St. George	Washington	21	2585
399	Salt Lake City	Salt Lake	28	4239
400	Tooele	Tooele	35	5029
401	Vernal	Uintah	39	5384

402 Note: To convert lb/ft<sup>2</sup> to kN/m<sup>2</sup>, 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.

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

409 (10) In IRC, Section R302.2, the following sentence is added after the second sentence:  
 410 "When an access/maintenance agreement or easement is in place, plumbing, mechanical  
 411 ducting, schedule 40 steel gas pipe, and electric service conductors including feeders, are  
 412 permitted to penetrate the common wall at grade, above grade, or below grade."

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

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

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

417 (14) IRC, Sections R311.7.4 through R311.7.5.3, are deleted and replaced with the  
 418 following: "R311.7.4 Stair treads and risers. R311.7.5.1 Riser height. The maximum riser

419 height shall be 8 inches (203 mm). The riser shall be measured vertically between leading  
420 edges of the adjacent treads. The greatest riser height within any flight of stairs shall not  
421 exceed the smallest by more than 3/8 inch (9.5 mm).

422 R311.7.5.2 Tread depth. The minimum tread depth shall be 9 inches (228 mm). The tread  
423 depth shall be measured horizontally between the vertical planes of the foremost projection of  
424 adjacent treads and at a right angle to the tread's leading edge. The greatest tread depth within  
425 any flight of stairs shall not exceed the smallest by more than 3/8 inch (9.5 mm). Winder  
426 treads shall have a minimum tread depth of 10 inches (254 mm) measured as above at a point  
427 12 inches (305 mm) from the side where the treads are narrower. Winder treads shall have a  
428 minimum tread depth of 6 inches (152 mm) at any point. Within any flight of stairs, the  
429 greatest winder tread depth at the 12-inch (305 mm) walk line shall not exceed the smallest by  
430 more than 3/8 inch (9.5 mm).

431 R311.7.5.3 Profile. The radius of curvature at the leading edge of the tread shall be no greater  
432 than 9/16 inch (14.3 mm). A nosing not less than 3/4 inch (19 mm) but not more than 1 1/4  
433 inches (32 mm) shall be provided on stairways with solid risers. The greatest nosing projection  
434 shall not exceed the smallest nosing projection by more than 3/8 inch (9.5 mm) between two  
435 stories, including the nosing at the level of floors and landings. Beveling of nosing shall not  
436 exceed 1/2 inch (12.7 mm). Risers shall be vertical or sloped from the underside of the leading  
437 edge of the tread above at an angle not more than 30 degrees (0.51 rad) from the vertical. Open  
438 risers are permitted, provided that the opening between treads does not permit the passage of a  
439 4-inch diameter (102 mm) sphere.

440 Exceptions.

- 441 1. A nosing is not required where the tread depth is a minimum of 10 inches (254 mm).
- 442 2. The opening between adjacent treads is not limited on stairs with a total rise of 30 inches  
443 (762 mm) or less."

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

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

449 (17) In IRC, Section 315.3, the following words are added to the first sentence after the

450 word "installed": "on each level of the dwelling unit and."

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

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

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

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

462 Exception: Interconnection of carbon monoxide alarms in existing areas shall not be required  
463 where alterations or repairs do not result in removal of interior wall or ceiling finishes exposing  
464 the structure, unless there is an attic, crawl space or basement available which could provide  
465 access for interconnection without the removal of interior finishes."

466 (20) In IRC, Section 326.1, the words "residential provisions of the" are added after the  
467 words "pools and spas shall comply with".

468 [~~20~~] (21) In IRC, Section R403.1.6, a new Exception 3 is added as follows: " 3.

469 When anchor bolt spacing does not exceed 32 inches (813 mm) apart, anchor bolts may be  
470 placed with a minimum of two bolts per plate section located not less than 4 inches (102 mm)  
471 from each end of each plate section at interior bearing walls, interior braced wall lines, and at  
472 all exterior walls."

473 [~~21~~] (22) In IRC, Section R403.1.6.1, a new exception is added at the end of Item 2  
474 and Item 3 as follows: "Exception: When anchor bolt spacing does not exceed 32 inches (816  
475 mm) apart, anchor bolts may be placed with a minimum of two bolts per plate section located  
476 not less than 4 inches (102 mm) from each end of each plate section at interior bearing walls,  
477 interior braced wall lines, and at all exterior walls."

478 [~~22~~] (23) In IRC, Section R404.1, a new exception is added as follows: "Exception:  
479 As an alternative to complying with Sections R404.1 through R404.1.5.3, concrete and  
480 masonry foundation walls may be designed in accordance with IBC Sections 1807.1.5 and



481 1807.1.6 as amended in Section 1807.1.6.4 and Table 1807.1.6.4 under these rules."

482 [~~23~~] (24) In IRC, Section R405.1, a new exception is added as follows: "Exception:

483 When a geotechnical report has been provided for the property, a drainage system is not

484 required unless the drainage system is required as a condition of the geotechnical report. The

485 geological report shall make a recommendation regarding a drainage system."

486 Section 7. Section **15A-3-304** is amended to read:

487 **15A-3-304. Amendments to Chapter 4 of IPC.**

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

489 (a) In row number "3", for in the field for "OTHER", a new footnote h is added.

490 (b) In row number "5", for "Adult day care and child day care" occupancy, in the field  
491 for "OTHER", a new footnote h is added.

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

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

501 (e) A new footnote h is added to the table as follows: "FOOTNOTE h: Non-residential  
502 child care facilities shall comply with the additional sink requirements of Utah Administrative  
503 Code, R381-60-9, Hourly Child Care Centers, R381-70-9, Out of School Time Child Care  
504 Programs, and R381-100-9, Child Care Centers."

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

508 (3) A new IPC, Section 413.5, is added as follows: "413.5 Public toilet rooms. All  
509 public toilet rooms shall be equipped with at least one floor drain."

510 (4) A new IPC, Section [~~412.6~~] 413.6, is added as follows: "Prohibition of motor  
511 vehicle waste disposal wells. New and existing motor vehicle waste disposal wells are

512 prohibited. A motor vehicle waste disposal well associated with a single family residence is not  
513 subject to this prohibition."

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

515 Section 8. Section **15A-3-313** is amended to read:

516 **15A-3-313. Amendments to Chapter 13 of IPC.**

517 (1) A new IPC, Section 1301.4.1, is added as follows:

518 "1301.4.1 Recording.

519 The existence of a nonpotable water system shall be recorded on the deed of ownership for the  
520 property. The certificate of occupancy shall not be issued until the documentation for the  
521 recording required under this section is completed by the property owner."

522 (2) IPC, Section 1301.5, is deleted and replaced with the following:

523 "1301.5 Potable water connections.

524 Where a potable water system is connected to a nonpotable water system, the potable water  
525 supply shall be protected against backflow by a reduced pressure backflow prevention  
526 assembly or an air gap installed in accordance with Section 608."

527 (3) IPC, Section [~~1301.9.5~~] 1301.9.4, is deleted and replaced with the following:

528 "[~~1301.9.5~~] 1301.9.4 Makeup water.

529 Where an uninterrupted supply is required for the intended application, potable or reclaimed  
530 water shall be provided as a source of makeup water for the storage tank. The makeup water  
531 supply shall be protected against backflow by a reduced pressure backflow prevention  
532 assembly or an air gap installed in accordance with Section 608. A full-open valve located on  
533 the makeup water supply line to the storage tank shall be provided. Inlets to the storage tank  
534 shall be controlled by fill valves or other automatic supply valves installed to prevent the tank  
535 from overflowing and to prevent the water level from dropping below a predetermined point.  
536 Where makeup water is provided, the water level shall not be permitted to drop below the  
537 source water inlet or the intake of any attached pump."

538 (4) IPC, Section 1302.12.4, is deleted and replaced with the following:

539 "1302.12.4 Inspection and testing of backflow prevention assemblies.

540 Testing of a backflow preventer shall be conducted in accordance with Sections 312.10.1,  
541 312.10.2, and 312.10.3."

542 (5) IPC, Section 1303.15.6, is deleted and replaced with the following:

543 "1303.15.6 Inspection and testing of backflow prevention assemblies.  
544 Testing of a backflow prevention assembly shall be conducted in accordance with Sections  
545 312.10.1, 312.10.2, and 312.10.3."

546 (6) IPC, Section 1304.4.2, is deleted and replaced with the following:

547 "1304.4.2 Inspection and testing of backflow prevention assemblies.  
548 Testing of a backflow preventer or backwater valve shall be conducted in accordance with  
549 Sections 312.10.1, 312.10.2, and 312.10.3."

550 Section 9. Section **15A-3-402** is amended to read:

551 **15A-3-402. Amendments to Chapters 1 through 5 of IMC.**

552 (1) In IMC, Table [~~403.3~~] 403.3.1.1, note h is deleted and replaced with the following:

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

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

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

561 c. A nail salon that complies with Note h.1.a or h.1.b is not required to comply with the  
562 labeling, listing, or testing requirements described in International Mechanical Code sections  
563 301.7 or 301.8.

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

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

569 4. The requirements of this note apply to:

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

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

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

573 (2) In IMC, Section 502.20 is deleted and rewritten as follows:

574 "502.20 Manicure stations. A nail salon that files or shapes an acrylic nail shall provide  
575 each manicure station with a source capture system in accordance with Table 403.3.1.1, note h.  
576 For a manicure table that does not have factory-installed source capture system inlets for  
577 recirculating or exhausting air, a nail salon shall provide the manicure table with inlets for  
578 recirculating or exhausting air located not more than 12 inches (305 mm) horizontally and  
579 vertically from the point of any acrylic chemical application.

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

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

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

585 **15A-3-801. General provisions.**

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

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

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

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

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

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

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

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

605            [~~(5)~~] (6) Section 503.6 is deleted and replaced with the following:

606            "503.6 Bracing for unreinforced masonry parapets and other appendages upon reroofing.  
607            Where the intended alteration requires a permit for reroofing and involves removal of roofing  
608            materials from more than 25% of the roof area of a building assigned to Seismic Design  
609            Category D, E, or F that has parapets constructed of unreinforced masonry or appendages such  
610            as cornices, spires, towers, tanks, signs, statuary, etc., the work shall include installation of  
611            bracing to resist out-of-plane seismic forces, unless an evaluation demonstrates compliance of  
612            such items. Reduced seismic forces are permitted for design purposes."

613            [~~(6)~~] (7) In Section 705.1, Exception number 3, the following is added at the end of the  
614            exception:

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

617            [~~(7)~~] (8) Section 706.3.1 is deleted and replaced with the following:

618            "706.3.1 Bracing for unreinforced masonry bearing wall parapets and other appendages.  
619            Where a permit is issued for reroofing more than 25 percent of the roof area of a building  
620            assigned to Seismic Design Category D, E, or F that has parapets constructed of unreinforced  
621            masonry or appendages such as cornices, spires, towers, tanks, signs, statuary, etc., the work  
622            shall include installation of bracing to resist the reduced International Building Code level  
623            seismic forces as specified in Section 303 of this code unless an evaluation demonstrates  
624            compliance of such items."

625            [~~(8)~~] (9) Section 906.6 is deleted and replaced with the following:

626            "906.6 Bracing for unreinforced masonry parapets and other appendages upon  
627            reroofing.

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

634            [~~(9)~~] (10) (a) Section 1006.3 is deleted and replaced with the following:

635            "1006.3 Seismic Loads. Where a change of occupancy results in a building being

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

639 (b) Section 1006.3, exceptions 1 through 3 remain unchanged.

640 (c) In Section 1006.3, add a new exception 4 as follows:

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

643 [~~(10)~~] (11) In Section 1012.7.3, exception 2 is deleted.

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

645 [~~"7. When a change of occupancy in a building or portion of a building results in a Group R-2  
646 occupancy, not less than 20% of the dwelling or sleeping units shall be Type B dwelling or  
647 sleeping units. These dwelling or sleeping units may be located on any floor of the building  
648 provided with an accessible route. Two percent, but not less than one unit, of the dwelling or  
649 sleeping units shall be Type A dwelling units."~~]

650 Section 11. Section **15A-3-1001** is enacted to read:

651 **Part 10. Statewide Amendments to International Swimming Pool and Spa Code**  
652 **15A-3-1001. General provisions.**

653 (1) In ISPSC, Section 202, the following definition is added for private residential  
654 swimming pool: "PRIVATE RESIDENTIAL SWIMMING POOL. A swimming pool, spa  
655 pool, or wading pool used only by an individual, family, or living unit members and guests, but  
656 not serving any type of multiple unit housing complex of four or more living units."

657 (2) In ISPSC, Section 320.1, the following changes are made:

658 (a) the words "or storm" are deleted;

659 (b) the words "onsite waste water" are added before the word "disposal"; and

660 (c) the words "or shall be disposed of by other means approved by the state or local  
661 authority" are deleted.