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Construction Code Amendments

2026 GENERAL SESSION

STATE OF UTAH

Chief Sponsor: Thomas W. Peterson

Senate Sponsor: Evan J. Vickers

LONG TITLE

General Description:

This bill modifies the State Construction Code.

Highlighted Provisions:

This bill:

- ▶ amends the State Construction Code to address updated standards in the:
 - International Building Code;
 - International Energy Conservation Code;
 - International Existing Building Code;
 - International Fuel Gas Code;
 - International Mechanical Code;
 - International Plumbing Code;
 - International Residential Code; and
 - International Swimming Pool and Spa Code;
- ▶ removes the regulation of water heaters in certain areas; and
- ▶ makes technical and conforming changes.

Money Appropriated in this Bill:

None

Other Special Clauses:

This bill provides a special effective date.

Utah Code Sections Affected:

AMENDS:

- 15A-2-103 (Effective 07/01/26)**, as last amended by Laws of Utah 2025, Chapter 532
- 15A-3-102 (Effective 07/01/26)**, as last amended by Laws of Utah 2024, Chapter 15
- 15A-3-103 (Effective 07/01/26)**, as last amended by Laws of Utah 2023, Chapters 209,

29 **15A-3-104 (Effective 07/01/26)**, as last amended by Laws of Utah 2023, Chapter 209
30 **15A-3-105 (Effective 07/01/26)**, as last amended by Laws of Utah 2025, Chapter 532
31 **15A-3-106 (Effective 07/01/26)**, as last amended by Laws of Utah 2016, Chapter 249
32 **15A-3-107 (Effective upon governor's approval)**, as last amended by Laws of Utah 2023,
33 Chapter 209
34 **15A-3-108 (Effective upon governor's approval)**, as last amended by Laws of Utah 2023,
35 Chapter 209
36 **15A-3-110 (Effective 07/01/26)**, as last amended by Laws of Utah 2019, Chapter 20
37 **15A-3-202 (Effective 07/01/26)**, as last amended by Laws of Utah 2025, Chapter 532
38 **15A-3-203 (Effective 07/01/26)**, as last amended by Laws of Utah 2025, First Special
39 Session, Chapter 15
40 **15A-3-204 (Effective 07/01/26)**, as last amended by Laws of Utah 2024, Chapter 505
41 **15A-3-205 (Effective 07/01/26)**, as last amended by Laws of Utah 2024, Chapter 505
42 **15A-3-302 (Effective 07/01/26)**, as last amended by Laws of Utah 2023, Chapter 209
43 **15A-3-303 (Effective 07/01/26)**, as last amended by Laws of Utah 2023, Chapter 209
44 **15A-3-304 (Effective 07/01/26)**, as last amended by Laws of Utah 2023, Chapter 209
45 **15A-3-306 (Effective 07/01/26)**, as last amended by Laws of Utah 2023, Chapter 209
46 **15A-3-313 (Effective 07/01/26)**, as last amended by Laws of Utah 2023, Chapter 209
47 **15A-3-315 (Effective 07/01/26)**, as last amended by Laws of Utah 2023, Chapter 209
48 **15A-3-401 (Effective 07/01/26)**, as last amended by Laws of Utah 2024, Chapter 505
49 **15A-3-402 (Effective 07/01/26)**, as last amended by Laws of Utah 2024, Chapter 15
50 **15A-3-501 (Effective 07/01/26)**, as last amended by Laws of Utah 2019, Chapter 20
51 **15A-3-701 (Effective 07/01/26)**, as last amended by Laws of Utah 2024, Chapter 505
52 **15A-3-801 (Effective 07/01/26)**, as last amended by Laws of Utah 2024, Chapter 505
53 **15A-3-1001 (Effective 07/01/26)**, as last amended by Laws of Utah 2023, Chapter 209
54 **15A-6-102 (Effective 07/01/26)**, as last amended by Laws of Utah 2020, Chapter 136
55 **63I-2-210 (Effective 07/01/26)**, as last amended by Laws of Utah 2025, First Special
56 Session, Chapter 15
57 **63I-2-217 (Effective 07/01/26)**, as last amended by Laws of Utah 2025, First Special
58 Session, Chapter 7

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

61 Section 1. Section **15A-2-103** is amended to read:

62 **15A-2-103 (Effective 07/01/26). Specific editions adopted of construction code of**

63 **a nationally recognized code authority.**

64 (1) Subject to the other provisions of this part, the following construction codes are
65 incorporated by reference, and together with the amendments specified in Chapter 3,
66 Statewide Amendments Incorporated as Part of State Construction Code, and Chapter 4,
67 Local Amendments Incorporated as Part of State Construction Code, are the
68 construction standards to be applied to building construction, alteration, remodeling, and
69 repair, and in the regulation of building construction, alteration, remodeling, and repair
70 in the state:

- 71 (a) the [~~2021~~] 2024 edition of the International Building Code, including Appendices C
72 and J, issued by the International Code Council;
- 73 (b) the 2021 edition of the International Residential Code, issued by the International
74 Code Council;
- 75 (c) Appendix AQ of the 2021 edition of the International Residential Code, issued by the
76 International Code Council;
- 77 (d) the [~~2021~~] 2024 edition of the International Plumbing Code, issued by the
78 International Code Council;
- 79 (e) the [~~2021~~] 2024 edition of the International Mechanical Code, issued by the
80 International Code Council;
- 81 (f) the [~~2021~~] 2024 edition of the International Fuel Gas Code, issued by the International
82 Code Council;
- 83 (g) the 2023 edition of the National Electrical Code, issued by the National Fire
84 Protection Association;
- 85 (h) the [~~2021~~] 2024 edition of the International Energy Conservation Code, issued by the
86 International Code Council;
- 87 (i) the [~~2021~~] 2024 edition of the International Existing Building Code, issued by the
88 International Code Council;
- 89 (j) subject to Subsection 15A-2-104(2), the HUD Code;
- 90 (k) subject to Subsection 15A-2-104(1), Appendix AE of the 2021 edition of the
91 International Residential Code, issued by the International Code Council;
- 92 (l) subject to Subsection 15A-2-104(1), the 2005 edition of the NFPA 225 Model
93 Manufactured Home Installation Standard, issued by the National Fire Protection
94 Association;
- 95 (m) subject to Subsection (3), for standards and guidelines pertaining to plaster on a
96 historic property, as defined in Section 9-8a-302, the U.S. Department of the Interior

- 97 Secretary's Standards for Rehabilitation and Guidelines for Rehabilitating Historic
 98 Buildings;
- 99 (n) the residential provisions of the [2021] 2024 edition of the International Swimming
 100 Pool and Spa Code, issued by the International Code Council; and
- 101 (o) Modular Building Institute Standards 1200 and 1205, issued by the International
 102 Code Council, except as modified by provisions of this title governing modular units.
- 103 (2) Consistent with Title 65A, Chapter 8, Management of Forest Lands and Fire Control,
 104 the Legislature adopts the 2006 edition of the Utah Wildland Urban Interface Code,
 105 issued by the International Code Council, with the alternatives or amendments approved
 106 by the Utah Division of Forestry, Fire, and State Lands, as a construction code that may
 107 be adopted by a local compliance agency by local ordinance or other similar action as a
 108 local amendment to the codes listed in this section.
- 109 (3) The standards and guidelines described in Subsection (1)(m) apply only if:
- 110 (a) the owner of the historic property receives a government tax subsidy based on the
 111 property's status as a historic property;
- 112 (b) the historic property is wholly or partially funded by public money; or
- 113 (c) the historic property is owned by a government entity.

114 Section 2. Section **15A-3-102** is amended to read:

115 **15A-3-102 (Effective 07/01/26). Amendments to Chapters 1 through 3 of IBC.**

- 116 (1) IBC, Section 106, is deleted.
- 117 (2) In IBC, Section 110, a new section is added as follows:
- 118 "[§]110.3.13, Weather-resistant exterior wall envelope. An inspection shall be
 119 made of the weather-resistant exterior wall envelope as required by Section 1404.2, and
 120 flashing as required by Section 1404.4 to prevent water from entering the
 121 weather-resistive barrier."
- 122 (3) IBC, Section 115.1, is deleted and replaced with the following:
- 123 "115.1 Authority. Whenever the building official finds any work regulated by this
 124 code being performed in a manner either contrary to the provisions of this code or other
 125 pertinent laws or ordinances or is dangerous or unsafe, the building official is authorized
 126 to stop work."
- 127 (4) In IBC, Section 202, the following definition is added for Ambulatory Surgical Center:
- 128 "AMBULATORY SURGICAL CENTER. A building or portion of a building
 129 licensed by the Department of Health and Human Services where procedures are
 130 performed that may render patients incapable of self preservation where care is less than

- 131 24 hours. See [~~Utah Administrative Code~~] Utah Administrative Code, R432-13."
- 132 (5) In IBC, Section 202, the definition for "[~~Approved~~] APPROVED" is modified by adding
133 the words "or independent third-party licensed engineer or architect and submitted to the
134 building official" after the word "official."
- 135 (6) In IBC, Section 202, the definition for "[~~Approved Agency~~] APPROVED AGENCY" is
136 modified by deleting the words "where such agency has been approved by the building
137 official."
- 138 (7) In IBC, Section 202, the definition for "[~~Approved Fabricator~~] APPROVED
139 FABRICATOR" is modified by adding the words "or approved by the state of Utah or a
140 licensed engineer" after the word "code."
- 141 (8) In IBC, Section 202, the definition for "[~~Approved Source~~] APPROVED SOURCE" is
142 modified by adding the words "or licensed engineer" after the word "official."
- 143 (9) In IBC, Section 202, the following definition is added for Assisted Living Facility,
144 Residential Treatment and Support:
- 145 "ASSISTED LIVING FACILITY, RESIDENTIAL TREATMENT AND SUPPORT. A
146 residential facility that provides a group living environment for four or more residents licensed
147 by the Department of Health and Human Services and provides a protected living arrangement
148 for ambulatory, non-restrained persons who are capable of achieving mobility sufficient to exit
149 the facility without the physical assistance of another person.
- 150 ASSISTED LIVING FACILITY, TYPE I. A residential facility licensed by the
151 Department of Health and Human Services that provides a protected living arrangement,
152 assistance with activities of daily living, and social care to two or more ambulatory,
153 non-restrained persons who are capable of mobility sufficient to exit the facility without the
154 assistance of another person.
- 155 ASSISTED LIVING FACILITY, TYPE II. A residential facility licensed by the
156 Department of Health and Human Services that provides an array of coordinated supportive
157 personal and health care services to two or more residents who are:
- 158 (i) Physically disabled but able to direct his or her own care; or
159 (ii) Cognitively impaired or physically disabled but able to evacuate from the facility, or to
160 a zone or area of safety, with the physical assistance of one person.
- 161 ASSISTED LIVING FACILITY, LIMITED CAPACITY. A Type I or Type II assisted
162 living facility having two to five residents.
- 163 ASSISTED LIVING FACILITY, SMALL. A Type I or Type II assisted living facility
164 having six to sixteen residents.

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

167 (10) In IBC, Section 202, the following definition is added for ballistic glass:

168 "BALLISTIC GLASS. Glass certified at a minimum level of:

169 (i) Underwriters Laboratories Standard UL752-23, Standard for Bullet-Resisting
 170 Equipment, Threat Level UL-RF-E from Table C1 (Legacy Level 7) (2023); or

171 (ii) ASTM F3279-24, Standard Test Method for Ballistic Resistant Security Glazing
 172 Materials, Threat and Performance Level 4, Ballistic Test Identity (BTI) R1-T1-C5-21
 173 under Table 1, Ballistic Criteria (2021)."

174 (11) In IBC, Section 202, the following definition is added for [Child Care Facility] child
 175 care facility:

176 "CHILD CARE FACILITY. A facility where care and supervision is provided for [
 177 ~~four~~] five or more children for less than 24 hours a day and for direct or indirect
 178 compensation in place of care ordinarily provided in their home."

179 [~~(H)~~] (12) In IBC, Section 202, the definition for " [A] [~~Record Drawings~~] RECORD
 180 DRAWINGS" is modified by deleting the words "a fire alarm system" and replacing
 181 them with "any fire protection system."

182 [~~(H2)~~] (13) In IBC, Section 202, the following definition is added for security glazing:

183 "SECURITY GLAZING. A clear or tinted durable material applied to glass doors
 184 and windows that enhances the structural integrity of the glass by preventing it from
 185 shattering and falling to the ground when impacted by an object and meets the minimum
 186 standard established by:

187 (i) ASTM F3561, Standard Test Method for Forced-Entry-Resistance of Fenestration
 188 Systems After Simulated Active Shooter Attack, minimum level 3 of Table 2, Potential
 189 Energy of Impactor and Drop Height (2023); or

190 (ii) ANSI Z97.1-15(R20) American National Standard for safety glazing materials
 191 used in buildings safety performance specifications and methods of test, and shall meet
 192 the durability requirements of Sections 5.3 and 5.4."

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

196 [~~(H3)~~] (15) In IBC, Section 305, Sections 305.2 through 305.2.3 are deleted and replaced with
 197 the following:

198 "305.2 Group E, child day care facilities. This group includes buildings and structures or

199 portions thereof occupied by ~~four~~ five or more children ~~[2] two years~~~~[-of age-]~~ old or older
200 who receive educational, supervision, child care services or personal care services for fewer
201 than 24 hours per day. See Section 429 Day Care, for special requirements for day care.

202 305.2.1 Within places of religious worship. Rooms and spaces within places of religious
203 worship providing such day care during religious functions shall be classified as part of the
204 primary occupancy.

205 305.2.2 Four or fewer children. A facility having four or fewer children receiving such
206 day care shall be classified as part of the primary occupancy.

207 305.2.3 ~~[Four or fewer children in a dwelling unit. A facility such as the above within a~~
208 ~~dwelling unit and having four or fewer children receiving such day care shall be classified as a~~
209 ~~Group R-3 occupancy or shall comply with the International Residential Code]~~ Child day care
210 facilities ancillary to the main occupancy. A facility where any number of children receive
211 such day care may be classified as an accessory occupancy if the area complies with Section
212 508.2.

213 305.2.4 ~~[Child day care -- residential child care certificate or a license. Areas used for~~
214 ~~child day care purposes with a residential child care certificate, as described in Utah~~
215 ~~Administrative Code, R430-50, Residential Certificate Child Care, or a residential child care~~
216 ~~license, as described in Utah Administrative Code, R430-90, Licensed Family Child Care, may~~
217 ~~be located in a Group R-2 or R-3 occupancy as provided in Sections 310.3 and 310.4 or shall~~
218 ~~comply with the International Residential Code in accordance with Section R101.2]~~ Four or
219 fewer children in a dwelling unit. A facility such as the above within a dwelling unit and
220 having four or fewer children receiving such day care shall be classified as a Group R-3
221 occupancy or shall comply with the International Residential Code.

222 305.2.5 ~~[Child care centers. Each of the following areas may be classified as accessory~~
223 ~~occupancies, if the area complies with Section 508.2:~~

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

226 2. ~~Child care centers, as described in Utah Administrative Code, R381-100, Child Care~~
227 ~~Centers;~~

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

230 4. ~~Commercial preschools, as described in Utah Administrative Code, R381-40,~~
231 ~~Commercial Preschool Programs."]~~ Residential child day care. A residential certificate child
232 care facility as described in Utah Administrative Code, R430-50, or a licensed family child

233 care facility as described in Utah Administrative Code, R430-90, licensed by the Department
 234 of Health and Human Services shall be classified as a Group R-2 or R-3 occupancy, or shall
 235 comply with the International Residential Code."

236 [(14)] (16) In IBC, Table 307.1(1), footnote "d" is added to the row for Explosives, Division
 237 1.4G in the column titled STORAGE - Solid Pounds (cubic feet).

238 [(15)] (17) In IBC, Section 308.2, in the list of items under "This group shall include," the
 239 words "Type-I Large and Type-II Small, see Section 308.2.5" are added after "Assisted
 240 living facilities."

241 [(16)] (18) In IBC, Section 308.2.4, all of the words after the first International Residential
 242 Code are deleted.

243 [(17)] (19) A new IBC, Section 308.2.5, is added as follows:

244 "308.2.5 Assisted living facilities. A Type I, Large assisted living facility is classified as
 245 occupancy Group I-1, Condition 1. A Type II, Small assisted living facility is classified as
 246 occupancy Group I-1, Condition 2. See Section 202 for definitions."

247 [(18)] (20) IBC, Section 308.3, is deleted and replaced with the following:

248 "308.3 Institutional Group I-2. Institutional Group I-2 occupancy shall include buildings
 249 and structures used for medical care on a 24-hour basis for more than four persons who are
 250 incapable of self-preservation. This group shall include, but not be limited to the following:

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

252 [~~Child care facilities~~]

253 Foster care facilities

254 Detoxification facilities

255 Hospitals

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

257 Psychiatric hospitals"

258 [(19)] (21) In IBC, Section 308.3.2, [~~the number "five" is deleted and replaced with the~~
 259 ~~number "four" in each location]~~ all the wording following the word "Group" is deleted
 260 and replaced with the words "R-4 Condition 2."[-]

261 [(20)] (22) A new IBC, Section 308.3.3, is added as follows:

262 "308.3.3 Assisted living facilities. A Type-II, Large assisted living facility is classified
 263 as occupancy Group I-2, Condition 1. See Section 202 for definitions."

264 [(21)] (23) In IBC, Section 308.5, the words "more than five" are deleted and replaced with
 265 the words "five or more in each location."

266 [(22)] (24) IBC, Section 308.5.1, is deleted and replaced with the following:

267 "308.5.1 Classification as Group E. A child day care facility that provides care for five
 268 or more but not more than 100 children under two years~~[-of age]~~ old, where the rooms in
 269 which the children are cared for are located on a level of exit discharge serving such rooms and
 270 each of these child care rooms has an exit door directly to the exterior, shall be classified as a
 271 Group E. See Section 429 for special requirements for Day Care."

272 [~~(23)~~] (25) In IBC, [~~Sections~~] Section 308.5.3[-and 308.5.4], the words "five or fewer" are
 273 deleted and replaced with the words "four or fewer" in each location and the following
 274 sentence is added at the end:

275 "See Section 429 for special requirements for Day Care."

276 (26) IBC, Section 308.5.4, is deleted and replaced with the following:

277 "308.5.4 Child day care facilities ancillary to the main occupancy. A facility
 278 where any number of children receive such day care may be classified as an accessory
 279 occupancy if the area complies with Section 508.2."

280 (27) A new IBC Section 308.5.5 is added as follows:

281 "308.5.5 Four or fewer persons receiving care in a dwelling-unit. A facility such
 282 as the above within a dwelling unit and having four or fewer persons receiving custodial
 283 care shall be classified as a Group R-3 occupancy or shall comply with the International
 284 Residential Code."

285 [~~(24)~~] (28) IBC, Section 310.4, is deleted and replaced with the following:

286 "310.4 Residential Group R-3. Residential Group R-3 occupancies [~~and single family~~
 287 ~~dwellings complying with the International Residential Code]~~ where the occupants are
 288 primarily permanent in nature, are children receiving child day care services, and are not
 289 classified as Group R-1, R-2, R-4 or I, including:

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

291 Buildings that do not contain more than two dwellings

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

294 Child day care facilities having four or fewer children receiving care in a dwelling

295 Residential child day care facilities licensed by the Utah Department of Health and
 296 Human Services as a:

297 Residential certificate child care facility

298 Licensed family child care facility

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

300 Boarding houses (nontransient)

301 Convents
 302 Dormitories
 303 Fraternities and sororities
 304 Monasteries
 305 Congregate living facilities (transient) with 10 or fewer occupants
 306 Boarding houses (transient)
 307 Lodging houses (transient) with five or fewer guest rooms and 10 or fewer occupants"

308 [~~(25)~~] (29) IBC, Section 310.4.1, is deleted and replaced with the following:

309 "310.4.1 Care facilities within a dwelling. Care facilities, other than child care, for five
 310 or fewer persons receiving care that are within a single family dwelling are permitted to
 311 comply with the International Residential Code. See Section 429 for special requirements for
 312 Child Day Care."

313 [~~(26)~~] (30) A new IBC Section 310.4.3 is added as follows:

314 ["-"] "310.4.3 Child Care. Areas used for child care purposes may be located in a residential
 315 dwelling unit under all of the following conditions and Section 429:

- 316 1. Compliance with Utah Administrative Code, R710-8, Day Care Rules, as enacted
 317 under the authority of the Utah Fire Prevention Board.
- 318 2. Use is approved by the Department of Health and Human Services, as enacted under
 319 the authority of the Utah Code, Title 26B, Chapter 2, Part 4, Child Care Licensing, and in any
 320 of the following categories:
 - 321 a. Utah Administrative Code, R430-50, Residential Certificate Child Care.
 - 322 b. Utah Administrative Code, R430-90, Licensed Family Child Care.
 - 323 3. Compliance with all zoning regulations of the local regulator."

324 [~~(27)~~] (31) A new IBC, Section 310.4.4, is added as follows:

325 "310.4.4 Assisted living facilities. Type I assisted living facilities with two to five
 326 residents are Limited Capacity facilities classified as a Residential Group R-3 occupancy
 327 or are permitted to comply with the International Residential Code. See Section 202 for
 328 definitions."

329 [~~(28)~~] (32) A new IBC, Section 310.4.5, is added as follows:

330 "310.4.5 Child day care facilities ancillary to the main occupancy. Child day care
 331 facilities may be classified as accessory occupancies if the area complies with Section
 332 508.2."

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

335 [(29)] (34) A new IBC, Section 310.5.3, is added as follows:

336 "310.5.3 Group R-4 Assisted living facility occupancy groups. The following
337 occupancy groups shall apply to Assisted Living Facilities: Type II Assisted Living
338 Facilities with two to five residents are Limited Capacity Facilities classified as a
339 Residential Group R-4, Condition 2 occupancy. Type I assisted living facilities with six
340 to [sixteen] 16 residents are Small Facilities classified as Residential Group R-4,
341 Condition 1 occupancies. See Section 202 for definitions."

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

343 **15A-3-103 (Effective 07/01/26). Amendments to Chapters 4 through 6 of IBC.**

344 (1) IBC Section 403.5.5 is deleted.

345 (2) In IBC, Section 404.5, Exception 2.3 is added as follows:

346 "2.3 The atrium does not contain any means of egress component above the two lowest
347 stories."

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

350 (4) In IBC, Section 407.2.6, the words "and assisted living facility" are added in the title
351 after the words "nursing home."

352 (5) In IBC, Section 407.3.1.1, Item 3 is deleted and replaced with the following:

353 "3. To provide makeup air for exhaust systems in accordance with Section 1020.6,
354 Exception 1, doors to toilet rooms, bathrooms, shower rooms, sink closets, and similar
355 auxiliary spaces that do not contain flammable or combustible materials are permitted to have
356 louvers or an undercut of 2/3 inch (19.1 mm) maximum."

357 (6) In IBC, Section 407.4.1, Exception 3 is added as follows:

358 "3. Only one exit access with direct access to a corridor is required from an assisted
359 living facility, single resident sleeping unit that consists of a living space and one or two
360 separate sleeping rooms. For other than closets, toilet and shower rooms, occupants may not be
361 required to pass through more than one room before reaching the exit access."

362 (7) In IBC, Section 407.4.3, the words "and assisted living facility" are added in the title
363 and after the words "nursing home."

364 (8) In IBC, Section 407.11, a new exception is added as follows:

365 "Exception: An essential electrical system is not required in assisted living
366 facilities."

367 (9) In IBC, Section 412.3.1, a new exception is added as follows:

368 "Exception: Aircraft hangars of Type I or II construction that are less than 5,000

369 square feet (464.5m2) in area."

370 (10) A new IBC, Section 422.2.1, is added as follows:

371 ["-] "422.2.1 Separations: Ambulatory care facilities licensed by the Department of
372 Health and Human Services shall be separated from adjacent tenants with a fire partition
373 having a minimum one hour fire-resistance rating. Any level below the level of exit discharge
374 shall be separated from the level of exit discharge by a horizontal assembly having a minimum
375 one hour fire-resistance rating.

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

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

380 (11) A new, IBC Section 429, Day Care, is added as follows:

381 "~~[-]429.1 [Detailed Requirements. In addition to the occupancy and construction~~
382 ~~requirements in this code, the additional provisions of this section shall apply to all Day Care~~
383 ~~in accordance with Utah Administrative Code R710-8 Day Care Rules] Applicability. The~~
384 ~~provisions of Sections 429.1 through 429.5 and other applicable provisions of this code shall~~
385 ~~apply to all occupancies containing day care facilities.~~

386 429.2 Definitions.

387 429.2.1 ~~[Authority Having Jurisdiction (AHJ): State Fire Marshal, his duly authorized~~
388 ~~deputies, or the local fire enforcement authority code official] Adult Day Care. Nonresidential~~
389 ~~care and supervision for three or more adults for at least four but less than 24 hours a day and~~
390 ~~that meets the needs of functionally impaired adults through a comprehensive program that~~
391 ~~provides a variety of health, social, recreational and related support services in a protective~~
392 ~~setting. For more information, refer to Utah Administrative Code, R501-13, Adult Day Care.~~

393 429.2.2 ~~[Day Care Facility: Any building or structure occupied by clients of any age~~
394 ~~who receive custodial care for less than 24 hours by individuals other than parents, guardians,~~
395 ~~relatives by blood, marriage or adoption] Commercial Preschool Program. A facility where~~
396 ~~child care is provided for direct or indirect compensation on an ongoing basis in the absence of~~
397 ~~the child's parent for five or more unrelated children between the ages of two and five years~~
398 ~~old, for four or more hours, but not exceeding 24 hours a day, is not on a regular schedule, and~~
399 ~~is in a place other than the provider's or child's home. For more information, refer to Utah~~
400 ~~Administrative Code, R381-40, Commercial Preschool Programs.~~

401 429.2.3 ~~[Day Care Center: Providing care for five or more clients in a place other than~~
402 ~~the home of the person cared for. This would also include Child Care Centers, Out of School~~

403 ~~Time or Hourly Child Care Centers licensed by the Department of Health and Human Services]~~
404 Hourly Child Care Center. A facility where child care is provided for direct or indirect
405 compensation on an ongoing basis in the absence of the child's parent for five or more
406 unrelated children, for four or more hours, but not exceeding 24 hours a day, is not on a
407 regular schedule, and is in a place other than the provider's or child's home. For more
408 information, please refer to Utah Administrative Code, R381-60, Hourly Child Care Centers.

409 ~~429.2.4 [Family Day Care: Providing care for clients listed in the following two groups:]~~
410 Out-of-School-Time Child Care Program. A facility where child care is provided for direct or
411 indirect compensation on an ongoing basis in the absence of the child's parent for five or more
412 unrelated children who are at least five years old for less than 24 hours a day, in a place that is
413 not the provider's or child's home. For more information refer to Utah Administrative Code,
414 R381-70, Out-of-School-Time Child Care Programs.

415 ~~[429.2.4.1 Type 1: Services provided for five to eight clients in a home. This would also~~
416 ~~include a home that is certified by the Department of Health and Human Services as~~
417 ~~Residential Certificate Child Care or licensed as Family Child Care.~~

418 ~~429.2.4.2 Type 2: Services provided for nine to sixteen clients in a home with sufficient~~
419 ~~staffing. This would also include a home that is licensed by the Department of Health and~~
420 ~~Human Services as Family Child Care.]~~

421 ~~429.2.5 [R710-8: Utah Administrative Code, R710-8, Day Care Rules, as enacted under~~
422 ~~the authority of the Utah Fire Prevention Board] Child Care Center. A facility where child care~~
423 ~~is provided in the absence of the child's parent on an ongoing basis for direct or indirect~~
424 ~~compensation for five or more unrelated children of any age for less than 24 hours a day in a~~
425 ~~place that is not the provider's or child's home. For more information refer to Utah~~
426 ~~Administrative Code, R381-100, Child Care Centers.~~

427 ~~429.2.6 Residential Certificate Child Care. A facility where child care is provided for~~
428 ~~direct or indirect compensation on an ongoing basis for four or more hours a day but less than~~
429 ~~24 hours a day, for eight or fewer children or up to ten children including the provider's own~~
430 ~~children, of any age within a dwelling that is also the provider's home. For more information,~~
431 ~~refer to Utah Administrative Code, R381-50, Residential Certificate Child Care.~~

432 ~~429.2.7 Licensed Family Child Care. A facility where child care is provided for direct or~~
433 ~~indirect compensation on an ongoing basis, in the absence of a child's parent, for four or more~~
434 ~~hours a day but less than 24 hours a day, for nine or more unrelated children of any age, within~~
435 ~~a dwelling that is also the provider's home. For more information, please refer to Utah~~
436 ~~Administrative Code, R381-90, Licensed Family Child Care.~~

437 429.3 [Family Day Care] Day Care Facilities.

438 429.3.1 [Family Day Care units shall have on each floor occupied by clients, two
439 separate means of egress, arranged so that if one is blocked the other will be available] Detailed
440 Requirements. In addition to the occupancy and construction requirements in this code, the
441 additional provisions of this section shall apply to all day care in accordance with Utah
442 Administrative Code, R710-8, Day Care Rules.

443 429.3.2 [Family Day Care units that are located in the basement or on the second story
444 shall be provided with two means of egress, one of which shall discharge directly to the outside]
445 Emergency Evacuation. A fire escape plan shall be completed and posted in a conspicuous
446 place. All staff shall be trained on the fire escape plan and procedure. Emergency evacuation
447 drills shall be completed in accordance with the International Fire Code and Utah
448 Administrative Code, R710-8, Day Care Rules.

449 ~~[429.3.2.1 Residential Certificate Child Care and Licensed Family Child Care with five~~
450 ~~to eight clients in a home, located on the ground level or in a basement, may use an emergency~~
451 ~~escape or rescue window as allowed in IFC, Chapter 10, Section 1030.]~~

452 429.3.3 [Family Day Care units shall not be located above the second story] Occupancy
453 Classification. Buildings or areas within a building containing a commercial preschool
454 program, hourly child care center, out-of-school-time child care program or a child care center
455 shall comply with the requirements of Group I-4, Group E, or the primary occupancy,
456 whichever is applicable for the type of facility. Buildings or areas within a building containing
457 a residential certificate child day care or a licensed family child day care shall be classified as
458 Residential Group R-3 or shall comply with the International Residential Code.

459 429.3.3.1 Child day care facilities having four or fewer children receiving care in a
460 dwelling unit may be located in a Group R-2 occupancy.

461 429.3.4 [In Family Day Care units, clients under the age of two shall not be located
462 above or below the first story] Group E Occupancies.

463 429.3.4.1 [Clients under the age of two may be housed above or below the first story
464 where there is at least one exit that leads directly to the outside and complies with IFC, Section
465 1011 or Section 1012 or Section 1027] Stories containing a Group E child day care occupancy
466 shall be located at the level of exit discharge.

467 429.3.4.2 Child day care spaces for children over the age of two may be located one
468 story above the level of exit discharge in buildings equipped with a 903.3.1.1 NFPA 13
469 sprinkler system throughout and the building is protected by an automatic fire detection system
470 installed in accordance with Section 907.429.3.4.3. All Group E child day care spaces with an

471 occupant load of more than 10 shall have a second means of egress. If the second means of
472 egress is not an exit door leading directly to the exterior, the room shall have an emergency
473 escape and rescue window complying with Chapter 10.

474 ~~[429.3.5 Family Day Care units located in split entry/split level type homes in which~~
475 ~~stairs to the lower level and upper level are equal or nearly equal, may have clients housed on~~
476 ~~both levels when approved by the AHJ.~~

477 ~~429.3.6 Family Day Care units shall have a portable fire extinguisher on each level~~
478 ~~occupied by clients, which shall have a classification of not less than 2A:10BC, and shall be~~
479 ~~serviced in accordance with NFPA, Standard 10, Standard for Portable Fire Extinguishers.~~

480 ~~429.3.7 Family Day Care units shall have single station smoke detectors in good~~
481 ~~operating condition on each level occupied by clients. Battery operated smoke detectors shall~~
482 ~~be permitted if the facility demonstrates testing, maintenance, and battery replacement to~~
483 ~~insure continued operation of the smoke detectors.~~

484 ~~429.3.8 Rooms in Family Day Care units that are provided for clients to sleep or nap,~~
485 ~~shall have at least one window or door approved for emergency escape.~~

486 ~~429.3.9 Fire drills shall be conducted in Family Day Care units quarterly and shall~~
487 ~~include the complete evacuation from the building of all clients and staff. At least annually, in~~
488 ~~Type I Family Day Care units, the fire drill shall include the actual evacuation using the escape~~
489 ~~or rescue window, if one is used as a substitute for one of the required means of egress.]~~

490 ~~429.4 [Day Care Centers] Child day care facilities located in a dwelling.~~

491 ~~429.4.1 [Day Care Centers shall comply with either I-4 requirements or E requirements~~
492 ~~of the IBC, whichever is applicable for the type of Day Care Center] Each story of a dwelling~~
493 ~~used for child day care shall have two separate means of egress placed a distance apart equal to~~
494 ~~but not less than one-half of the length of the maximum overall diagonal dimension of the~~
495 ~~dwelling measured in a straight line between them.~~

496 ~~429.4.1.1 Where child day care is located one story above or below the level of exit~~
497 ~~discharge, one of the exits shall discharge directly to the outside.~~

498 ~~429.4.1.2 Child day care located on a level of exit discharge may use an emergency~~
499 ~~escape and rescue opening as one of the exits where approved by the authority having~~
500 ~~jurisdiction.~~

501 ~~429.4.2 Emergency Evacuation Drills shall be completed as required in IFC, Chapter 4,~~
502 ~~Section 405.~~

503 ~~429.4.3 [Location at grade. Group E child day care centers shall be located at the level~~
504 ~~of exit discharge] Child day care shall not be located on a story more than two stories above~~

505 grade.

506 [429.4.3.1 Child day care spaces for children over the age of 24 months may be located
507 on the second floor of buildings equipped with automatic fire protection throughout and an
508 automatic fire alarm system.]

509 429.4.4 [Egress. All Group E child day care spaces with an occupant load of more than
510 10 shall have a second means of egress. If the second means of egress is not an exit door
511 leading directly to the exterior, the room shall have an emergency escape and rescue window
512 complying with Section 1030] Child day care for children under the age of two shall not be
513 located on any level other than a level of exit discharge.

514 429.4.4.1 Child day care for children under the age of two may be located above or
515 below the first story where at least one exit leads directly to outside.

516 429.4.5 [All Group E Child Day Care Centers shall comply with Utah Administrative
517 Code, R430-100 Child Care Centers, R430-60 Hourly Child Care Centers, and R430-70 Out of
518 School Time] Child day care facilities located in a split entry or split level type dwelling in
519 which stairs to both levels are equal or nearly equal may be located on both levels when
520 approved by the authority having jurisdiction.

521 429.4.6 Child day care facilities located in a dwelling shall have a portable fire
522 extinguisher on each level with a classification of not less than 2A:10BC, and shall be serviced
523 in accordance with NFPA 10, Standard for Portable Fire Extinguishers.

524 429.4.7 Child day care facilities located in a dwelling shall have single station smoke
525 detectors in good operating condition on each level.

526 429.4.8 Rooms that are used for sleeping or napping shall have at least one emergency
527 escape and rescue opening.

528 429.4.9 Fire drills shall be conducted in family day care units quarterly and shall include
529 the complete evacuation from the building of all clients and staff. At least annually, in Type I
530 family day care units, the fire drill shall include the actual evacuation using the escape or
531 rescue window, if one is used as a substitute for one of the required means of egress.

532 429.5 Requirements for all Day Care.

533 429.5.1 Heating equipment, fireplaces, and cooking equipment in spaces occupied by
534 children shall be provided with partitions, screens, or other means to protect children from hot
535 surfaces and open flames.

536 429.5.2 A fire escape plan shall be completed and posted in a conspicuous place. All
537 staff shall be trained on the fire escape plan and procedure."

538 (12) In IBC, Section 504.4, a new section is added as follows:

539 "504.4.1 Group I-2 Assisted Living Facilities. Notwithstanding the allowable number of
540 stories permitted by Table 504.4 Group I-2 Assisted Living Facilities of type VA, construction
541 shall be allowed on each level of a two-story building when all of the following apply:

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

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

546 (13) A new IBC, Section 504.5, is added as follows:

547 "504.5 Group 1-2 Secured areas in Assisted Living Facilities. In Type IIIB, IV,
548 and V construction, all areas for the use and care of residents required to be secured
549 shall be located on the level of exit discharge with door operations in compliance with
550 Section 1010.2.14."

551 Section 4. Section **15A-3-104** is amended to read:

552 **15A-3-104 (Effective 07/01/26). Amendments to Chapters 7 through 9 of IBC.**

553 [~~(1)~~ In IBC, Section 703.5, the words "with signs or stenciling" are deleted.]

554 [~~(2)~~] (1) IBC, Section (F) 902.1, is deleted and replaced with the following:

555 "(F) 902.1 Pump and riser room size. Fire pump rooms and automatic sprinkler system
556 riser rooms shall be designed with adequate space for all installed equipment necessary for the
557 installation and to provide sufficient working room around the stationary equipment.

558 Clearances around equipment to elements of permanent construction, including other installed
559 equipment and appliances, shall be sufficient to allow inspection, service, repair or
560 replacement without removing such elements of permanent construction or disabling the
561 function of a required fire-resistance-rated assembly and not less than the following minimum
562 elements:

563 902.1.1 A minimum clear and unobstructed distance of 12-inches shall be provided from
564 the installed equipment to the elements of permanent construction.

565 902.1.2 A minimum clear and unobstructed distance of 12-inches shall be provided
566 between all other installed equipment and appliances.

567 902.1.3 A clear and unobstructed width of 36-inches shall be provided in front of all
568 installed equipment and appliances, to allow for inspection, service, repair or replacement
569 without removing such elements of permanent construction or disabling the function of a
570 required fire-resistance-rated assembly."

571 [~~(3)~~] (2) In IBC, Section 902, new sections are added as follows:

572 "(F) 902.2 Fire pump room. Fire pumps and controllers shall be provided with ready

573 access. Fire pump rooms shall be provided with doors and an unobstructed passageway large
574 enough to allow for the removal of the largest piece of equipment. The passageway shall have
575 a clear width not less than 72 inches. Openings into the room shall be clear and unobstructed,
576 with doors swinging in the outward direction from the fire pump room and the opening
577 providing a clear width of not less than 68 inches and a clear height of the door opening shall
578 not be less than 80 inches. The door shall be permitted to be locked provided that the key is
579 available at all times and located in a Key Box in accordance with Section 506 of the
580 International Fire Code.

581 (F) 902.3 Automatic sprinkler riser room. Automatic sprinkler system risers shall be
582 provided with ready access. Automatic sprinkler system riser rooms shall be provided with
583 doors and an unobstructed passageway large enough to allow for the removal of the largest
584 piece of equipment. The passageway shall have a clear width not less than 36 inches. Openings
585 into the room shall be clear and unobstructed, with doors swinging in the outward direction
586 from the riser room and the opening providing a clear width of not less than 32 inches and a
587 clear height of the door opening shall not be less than 80 inches. The door shall be permitted to
588 be locked provided that the key is available at all times and located in a Key Box in
589 accordance with Section 506 of the International Fire Code.

590 (F) 902.4 Marking on access doors. Access doors for automatic sprinkler system riser
591 rooms and fire pump rooms shall be labeled with an approved sign. The lettering shall be in
592 contrasting color to the background. Letters shall have a minimum height of [2] two inches (51
593 mm) with a minimum stroke of 3/8 inch (10 mm).

594 (F) 902.5 Environment. Automatic sprinkler system riser rooms and fire pump rooms
595 shall be maintained at a temperature of not less than 40 degrees Fahrenheit (4 degrees Celsius).
596 Heating units shall be permanently installed.

597 (F) 902.6 Lighting. Permanently installed artificial illumination shall be provided in the
598 automatic sprinkler system riser rooms and fire pump rooms."

599 [(4)] (3) IBC, Section (F)903.2.2, is deleted and replaced with the following:

600 "(F) 903.2.2 Ambulatory care facilities. An automatic sprinkler system shall be installed
601 throughout the building containing an ambulatory care facility where either of the following
602 conditions exist at any time.

603 1. Four or more care recipients are incapable of self-preservation.

604 2. One or more care recipients that are incapable of self-preservation are located at other
605 than the level of exit discharge serving such a facility."

606 [(5)] (4) IBC, Section (F)903.2.4, condition 2, is deleted and replaced with the following:

607 "2. A Group F-1 fire area is located more than three stories above the lowest level
608 of fire department vehicle access."

609 [(6)] (5) IBC, Section (F)903.2.7, condition 2, is deleted and replaced with the following:

610 "2. A Group M fire area is located more than three stories above the lowest level
611 of fire department vehicle access."

612 [(7)] (6) In IBC, Section (F)903.2.8, the following exceptions are added:

613 "Exceptions:

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

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

620 3. Group R-4 fire areas not more than 4,500 gross square feet and not containing more
621 than 16 residents, provided all residents are housed on a level of exit discharge and the
622 building is equipped throughout with an approved fire alarm system that is interconnected and
623 receives its primary power from the building wiring and a commercial power system."

624 [(8)] (7) IBC, Section (F) 903.2.8.1, is deleted.

625 [(9)] (8) IBC, Section (F)903.2.9, condition 2, is deleted and replaced with the following:

626 "2. A Group S-1 fire area is located more than three stories above the lowest level
627 of fire department vehicle access."

628 [(10)] (9) In IBC, Section 905, a new subsection, Section (F)905.3.9, is added as follows:

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

635 [(11)] (10) In IBC, Section (F)905.8, the exception is deleted and replaced with the following:

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

637 [(12)] (11) In IBC, Section (F)907.2.3, Group E is deleted and [rewritten as follows]
638 replaced with the following:

639 "A manual fire alarm system that initiates the occupant notification signal using an
640 emergency voice/alarm communication system that meets the requirements of Section

641 (F) 907.5.2.2, or a manual fire alarm system that initiates an approved audible and visual
642 occupant notification signal that meets the requirements of Sections (F)907.5.2.1,
643 (F)907.5.2.1.1, (F)907.5.2.1.2, and (F)907.5.2.3, and is installed in accordance with
644 Section (F)907.6 shall be installed in Group E occupancies. Where automatic fire
645 sprinkler systems or smoke detectors are installed, the fire sprinkler systems and smoke
646 detectors shall be connected to the building fire alarm system."

647 [(13)] (12) In IBC, Section (F) 907.2.3 Group E, Exception 2 is deleted and the remaining
648 exceptions are renumbered.

649 [(14)] (13) In IBC, Section (F) 907.2.3 Group E, renumbered Exception 3.2 is deleted and
650 replaced with the following:

651 "Exception 3.2 The fire alarm system will activate on fire sprinkler waterflow."

652 [(15)] (14) In IBC, Section (F) 907.2.3 Group E, new [sections] Sections (F) 907.2.3.1 through
653 (F) 907.2.3.7 are added as follows:

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

658 (F) 907.2.3.2 Where structures are not protected or are partially protected with an
659 automatic fire sprinkler system, approved automatic smoke detectors shall be installed in
660 accordance with the complete coverage requirements of NFPA, Standard 72.

661 (F) 907.2.3.3 An approved key plan drawing and operating instructions shall be posted
662 at the main fire alarm panel which displays the location of all alarm zones and if applicable,
663 device addresses.

664 (F) 907.2.3.4 The main panel shall be located in a normally attended area such as the
665 main office or lobby. Location of the main panel other than as stated above, shall require the
666 review and authorization of the State Fire Marshal Division. Where location as required above
667 is not possible, an electronically supervised remote annunciator from the main panel shall be
668 located in a supervised area of the building. The remote annunciator shall visually indicate
669 system power status, alarms for each zone, and give both visual and audible indication of
670 trouble conditions in the system. All indicators on both the main panel and remote annunciator
671 shall be adequately labeled.

672 (F) 907.2.3.5 All system wiring shall be as follows:

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

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

677 _ (C) Signaling line circuits shall be designated and installed Class A loop as defined
678 in NFPA, Standard 72.

679 (F) 907.2.3.6 Fan Shutdown shall be as follows:

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

682 _ (B) Duct detectors required by the International Mechanical Code, shall be
683 interconnected and compatible with the fire alarm system."

684 [~~46~~] (15) IBC, Section (F) 915.2.3 Group E occupancies is deleted and replaced with the
685 following:

686 "(F) 915.2.3 Group E occupancies. Carbon monoxide detectors shall be installed in the
687 following areas within Group E occupancies:

688 _ (1) Boiler rooms, furnace rooms, and similar rooms, or in adjacent areas where
689 carbon monoxide is likely to spread. (The installation of carbon monoxide detectors in boiler
690 rooms and furnace rooms may cause a false alarm problem. Installing these detectors in
691 adjacent spaces where the carbon monoxide is likely to spread from these spaces may be a
692 better option.)

693 _ (2) Home economics rooms with gas appliances.

694 _ (3) School kitchens with gas appliances. (Commercial kitchens).

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

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

698 _ (6) In areas with gas wall units.

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

700 _ (8) Areas with a forge or foundry.

701 _ (9) Metal shop or auto shop areas or in adjacent areas where carbon monoxide is
702 likely to spread. (The installation of carbon monoxide detectors in metal shop or auto shop
703 areas may cause a false alarm problem. Installing these detectors in adjacent spaces, i.e. class
704 rooms or corridors, where the carbon monoxide is likely to spread from these spaces may be a
705 better option.)

706 _ (10) Labs with open flame.

707 _ (11) HVAC units drawing outside air that could be contaminated with carbon
708 monoxide.

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

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

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

715 [(17)] (16) A new IBC, Section (F) 915.7 is added as follows:

716 "(F) 915.7 Carbon monoxide systems in Group E occupancies. Carbon monoxide
717 systems may be part of a fire alarm system or standalone system.

718 (F) 915.7.1 Power and wiring.

719 (F) 915.7.1.1 Power. Carbon monoxide detection systems shall require a primary and
720 secondary power source.

721 (F) 915.7.1.2 Wiring. Class "A" wiring is required when the carbon monoxide system is
722 part of, or connected to, a fire alarm system. Standalone carbon monoxide detection systems
723 may use Class "B" wiring. All wiring shall be Class "A" or "B."

724 (F) 915.7.2 Equipment shut down. Equipment and appliances that are producing carbon
725 monoxide shall shut down automatically in the zone involved upon carbon monoxide system
726 activation.

727 (F) 915.7.3 Notification.

728 (F) 915.7.3.1 Local alarm. Each occupied space shall sound an audible alarm when
729 detecting carbon monoxide at a level in excess of 70 ppm for one hour.

730 (F) 915.7.3.2 General alarm. A blue strobe, visual alarm, is required in a normally
731 occupied location, similar to the administrative offices, when carbon monoxide is detected in
732 the facility in excess of 70 ppm for one hour.

733 (F) 915.7.3.2.1 The general alarm shall require a manual reset following an alarm
734 activation.

735 (F) 915.7.3.3 Digital notification. Portable carbon monoxide detectors, with digital read
736 out indicating parts per million of carbon monoxide, in a space to determine the level of hazard
737 in a given space.

738 (F) 915.7.4 Monitoring. System monitoring is not required. If the system is monitored,
739 the signal should be a supervisory signal indicating carbon monoxide.

740 (F) 915.7.5 Inspection.

741 (F) 915.7.5.1 The carbon monoxide detection system shall be tested in the presence of a
742 Deputy or Special Deputy of the State Fire Marshal Division. The Deputy shall require "spot

743 testing" of the system and its components.

744 (F) 915.7.5.2 Before requesting final inspection and approval, the installing contractor
745 shall test each component of the system and issue a statement of compliance, in writing, to the
746 State Fire Marshal Division that the carbon monoxide detection system has been installed in
747 accordance with approved plans and has been tested in accordance with the manufacturer's
748 specifications, and the appropriate installation standard.

749 (F) 915.7.5.3 Systems shall be tagged with the State approved tag for fire alarm
750 systems, upon final approval and shall be inspected and tagged annually by an individual
751 certified as a Master Fire Alarm Technician, by the State Fire Marshal Division.

752 (F) 915.7.6 Evacuation. The affected area within Group E occupancies shall be
753 evacuated when carbon monoxide is detected at a level in excess of 70 ppm for one hour in
754 that area."

755 Section 5. Section **15A-3-105** is amended to read:

756 **15A-3-105 (Effective 07/01/26). Amendments to Chapters 10 through 12 of IBC.**

757 (1) In IBC, Section 1010.2.4, number (2), the following is added at the end of the sentence:

758 "Blended assisted living facilities shall comply with Section [~~1010.2.14.1~~] 1010.2.13.1."

759 (2) A new IBC, Section [~~1010.2.14.1~~] 1010.2.13.1, is added as follows:

760 [~~1010.2.14.1~~] "1010.2.13.1 Blended assisted living facilities. In occupancy Group
761 I-1, Condition 2 or Group I-2, a Type-II assisted living facility licensed by the
762 Department of Health and Human Services for residents with Alzheimer's or dementia,
763 and having a controlled egress locking system to prevent operation from the egress side
764 shall be permitted to also house residents without a clinical need for their containment
765 where all of the following provisions are met:

766 (a) locks in the means of egress comply with all IBC requirements for controlled egress
767 doors;

768 (b) all residents without a clinical need for their containment shall have the keys, codes,
769 or other means necessary to exit the facility, in a manner that is determined by the
770 facility operator and communicated to the resident or their legal representative;

771 (c) residents or their legal representative acknowledge in writing that they understand
772 and agree to living in a facility where egress is controlled; and

773 (d) the number of residents housed [~~in a smoke compartment~~] with controlled egress
774 shall not be greater than 30."

775 (3) In IBC, Section 1011.5.2, [~~exception~~] Exception 3 is deleted and replaced with the
776 following:

777 ["-] "3. In Group R-3 occupancies, within dwelling units in Group R-2
 778 occupancies, and in Group U occupancies that are accessory to a Group R-3 occupancy,
 779 or accessory to individual dwelling units in Group R-2 occupancies, the maximum riser
 780 height shall be [8] eight inches (203 mm) and the minimum tread depth shall be [9] nine
 781 inches (229 mm). The minimum winder tread depth at the walk line shall be 10 inches
 782 (254 mm), and the minimum winder tread depth shall be [6] six inches (152 mm). A
 783 nosing not less than 0.75 inch (19.1 mm) but not more than 1.25 inches (32 mm) shall be
 784 provided on stairways with solid risers where the tread depth is less than 10 inches (254
 785 mm)."

786 (4) In IBC, Section 1011.11, a new [~~exception~~] Exception 6 is added as follows:

787 ["-] "6. In occupancies in Group R-3, as applicable in Section 101.2 and in
 788 occupancies in Group U, which are accessory to an occupancy in Group R-3, as
 789 applicable in Section 101.2, handrails shall be provided on at least one side of stairways
 790 consisting of four or more risers."

791 (5) In IBC, Section 1025, is deleted.

792 (6) In IBC, Section 1104.4, [~~exception~~] Exception 1.5 is deleted.

793 (7) In IBC, Section 1110.4.1(4), the following is added at the end of the sentence:

794 "as defined in Section 72-7-502 of the Utah Code."

795 Section 6. Section **15A-3-106** is amended to read:

796 **15A-3-106 (Effective 07/01/26). Amendments to Chapters 13 through 15 of IBC.**

797 (1) IBC, Chapters 13~~[, 14, and 15]~~ and 14 are not amended.

798 (2) In IBC, Section 1512.2, a new Exception 2 is added as follows:

799 "(2) Where permitted by the roof covering manufacturer, any existing layers of
 800 polyisocyanurate insulation, expanded polystyrene (EPS), or extruded polystyrene
 801 (XPS), shall be permitted to remain in place if the roof deck is evaluated, is in
 802 serviceable condition, and the insulation is not damaged, deteriorated or water soaked.
 803 All other types of roof insulation and any areas of damage, deteriorated or water soaked
 804 insulation shall be removed and replaced with new insulation."

805 Section 7. Section **15A-3-107** is amended to read:

806 **15A-3-107 (Effective upon governor's approval). Amendments to Chapter 16 of**
 807 **IBC.**

808 [~~(1) In IBC, Table 1604.5, Risk Category III, in the sentence that begins "Group I-2~~

809 ~~Condition 1," a new footnote c is added as follows: "c. Type II Assisted Living~~

810 ~~Facilities that are I-2 Condition 1 occupancy classifications in accordance with Section~~

- 811 308 shall be Risk Category II in this table."]
- 812 [(2)] (1) In IBC, Section 1605.1, Exception 2 is deleted and replaced with the following:
- 813 "2. Where the allowable stress design load combinations of ASCE 7 Section 2.4 are
- 814 used, flat roof snow loads of [30] 45 pounds per square foot [(1.44kN/m²)] (2.15kN/m²) or less
- 815 and roof live loads of [30] 45 pounds per square foot[(1.44kN/m²)] (2.15kN/m²) or less need
- 816 not be combined with seismic loads. Where flat roof snow loads exceed [30] 45 pounds per
- 817 square foot [(1.44kN/m²)] (2.15kN/m²), the snow loads [~~may be reduced~~] shall be in
- 818 accordance with the following in load combinations including both snow and seismic loads. S
- 819 as calculated below, shall be combined with seismic loads.
- 820 $S = [(0.20 + 0.025(A-5))] (0.15 + 0.016(A-5))$ Proof, where S shall be greater than or
- 821 equal to [0.20Proof] 0.15 Proof.
- 822 Where:
- 823 S = Weight of snow to be used in combination with seismic loads[-]
- 824 A = Elevation above sea level at the location of the structure (ft/1,000)
- 825 Proof = Design roof snow loads, Pf or Ps, psf
- 826 For the purpose of this section, snow load shall be assumed uniform on the horizontal
- 827 projection without including the effects of drift or sliding. The[~~Importance Factor, I,~~] Risk
- 828 Category factor used in calculating Pf may be considered [~~1.0~~] Risk Category II."
- 829 [(3)] (2) In IBC, Section 1605.1 a new [~~exception 4~~] Exception 5 is added as follows:
- 830 ["4.-"] "5. ASCE [7-16] 7-22 Section 2.3.6 Equation 6 shall be modified to $1.2D + Ev +$
- 831 $Eh + L + f_2S$ and $1.2D + Ev + Emh + L + f_2S$ with $f_2 = [(0.20 + 0.025(A-5))] (0.15 + 0.016$
- 832 $(A-5))$ where the roof snow load exceeds [30] 45 pounds per square foot [(1.44kN/m²)]
- 833 (2.15kN/m²). Where A = Elevation above sea level at the location of the structure (ft/1000). f_2
- 834 = 0 for roof snow loads of [30] 45 pounds per square foot [(1.44kN/m²)] (2.15kN/m²) or less."
- 835 [(4)] IBC, Section 1608.1, is deleted and replaced with the following: "1608.1 General.
- 836 Except as modified in Sections 1608.1.1 and 1608.1.2, design snow loads shall be
- 837 determined in accordance with Chapter 7 of ASCE 7, but the design roof load shall not
- 838 be less than that determined by Section 1607. Where the minimum live load, in
- 839 accordance with Section 1607, is greater than the design roof snow load, the live load
- 840 shall be used for design, but it may not be reduced to a load lower than the design roof
- 841 snow load. Drifting need not be considered for design roof snow loads, less than 20 psf."
- 842 [(5)] A new IBC, Section 1608.1.1, is added as follows: "1608.1.1 Ice dams and icicles
- 843 along eaves. Section 7.4.5 of Chapter 7 of ASCE 7 referenced in IBC Section 1608.1 is
- 844 deleted and replaced with the following: 7.4.5 Ice Dams and Icicles Along Eaves.

845 Where ground snow loads exceed 75 psf, eaves shall be capable of sustaining a
 846 uniformly distributed load of 2pf on all overhanging portions. No other loads except
 847 dead loads shall be present on the roof when this uniformly distributed load is applied.
 848 All building exits under down-slope eaves shall be protected from sliding snow and ice."

849 [(6)] (3) [A new IBC, Section 1608.1.2] A new IBC, Section 1608.1.1, is added as follows:

850 ["1608.1.2] "1608.1.1. Drifts on adjacent structures. Section 7.7.2 of ASCE 7
 851 referenced in IBC, Section 1608.1, is deleted and replaced with the following:

852 7.7.2 Adjacent structures. At lower adjacent structures, the requirements of
 853 Section 7.7.1 shall be used to calculate windward and leeward drifts. The resulting drift
 854 is permitted to be truncated."

855 [(7) A new IBC, Section 1608.2.1 is added as follows: "1608.2.1 Utah ground snow loads.
 856 Section 7.2 of ASCE 7 referenced in IBC, Section 1608.1 is modified as follows:]

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

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

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

862 [(d) Add Table 7.2-9 as follows:]

863 [TABLE 7.2-9

864 GROUND SNOW LOADS FOR SELECTED LOCATIONS IN UTAH

| 865 City/Town | 865 County | 865 Ground Snow Load (lb/ft ²) | 865 Elevation (ft) |
|------------------|---------------|--|--------------------|
| 866 Beaver | 866 Beaver | 866 35 | 866 5886 |
| 867 Brigham City | 867 Box Elder | 867 42 | 867 4423 |
| 868 Castle Dale | 868 Emery | 868 32 | 868 5669 |
| 869 Coalville | 869 Summit | 869 57 | 869 5581 |
| 870 Duchesne | 870 Duchesne | 870 39 | 870 5508 |
| 871 Farmington | 871 Davis | 871 35 | 871 4318 |
| 872 Fillmore | 872 Millard | 872 30 | 872 5138 |
| 873 Heber City | 873 Wasatch | 873 60 | 873 5604 |
| 874 Junction | 874 Piute | 874 27 | 874 6030 |
| 875 Kanab | 875 Kane | 875 25 | 875 4964 |

| | | | | |
|-----|----------------|------------|----|------|
| 876 | Loa | Wayne | 37 | 7060 |
| 877 | Logan | Cache | 43 | 4531 |
| 878 | Manila | Daggett | 26 | 6368 |
| 879 | Manti | Sanpete | 37 | 5620 |
| 880 | Moab | Grand | 21 | 4029 |
| 881 | Monticello | San Juan | 67 | 7064 |
| 882 | Morgan | Morgan | 52 | 5062 |
| 883 | Nephi | Juab | 39 | 5131 |
| 884 | Ogden | Weber | 37 | 4334 |
| 885 | Panguitch | Garfield | 41 | 6630 |
| 886 | Parowan | Iron | 32 | 6007 |
| 887 | Pricing | Carbon | 31 | 5558 |
| 888 | Provo | Utah | 31 | 4541 |
| 889 | Randolph | Rich | 50 | 6286 |
| 890 | Richfield | Sevier | 27 | 5338 |
| 891 | St. George | Washington | 21 | 2585 |
| 892 | Salt Lake City | Salt Lake | 28 | 4239 |
| 893 | Tooele | Tooele | 35 | 5029 |
| 894 | Vernal | Uintah | 39 | 5384 |

895 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."~~]

896 [(8)] (4) A new IBC, Section 1613.1.1, is added as follows:

897 "1613.1.1 Effective Seismic Weight. In ASCE 7 12.7.2 and 12.14.8.1 as referenced in
 898 Section 1613.1, Definition of W, Item 4 is deleted and replaced with the following:

899 4. Where flat roof snow load, Pf, exceeds [30 psf (1.44kN/m²)] 45 pounds per square
 900 foot (2.15kN/m²), the snow load included in the effective seismic weight shall be calculated,
 901 in accordance with the following equation: [$W_s = (0.20 + 0.025(A-5))P_f \geq 0.20 P_f$] $W_s = (0.15$
 902 $+ 0.016(A-5))P_f \geq 0.15 P_f$.

903 [WHERE] Where:

904 W_s = Weight of snow to be included as effective seismic weight

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

906 P_f = Design flat roof snow load, psf.

907 For the purposes of this section, snow load shall be assumed uniform on the horizontal
 908 projection without including the effects of drift or sliding. The [~~Importance Factor, I_s ,~~] Risk
 909 Category factor used in calculating P_f may be considered [~~1.0~~] Risk Category II for use in the
 910 formula for W_s ."

911 (5) A new IBC, Section 1613.1.2, is added as follows:

912 "1613.1.2 Equivalent Lateral Forces (ELF) Procedure. In ASCE 7 Section 12.8.1.1
 913 the first paragraph is deleted and replaced with the following: Where the design special
 914 acceleration parameter S_a determined in accordance with either Section 11.4.5.1 or
 915 Chapter 21 is available, Method 1 shall be used to determine the seismic response
 916 coefficient, C_s . Where Exception 2 of Section 11.4.5 applies, Method 1 shall not be
 917 used. The lower bound for the seismic response coefficient, C_s , provided in Eq.12.8-6 or
 918 12.8-7 shall be applicable for both Method 1 and Method 2."

919 Section 8. Section **15A-3-108** is amended to read:

920 **15A-3-108 (Effective upon governor's approval). Amendments to Chapters 17**
 921 **through 19 of IBC.**

922 (1) A new IBC, Section 1807.1.6.4, is added as follows:

923 "1807.1.6.4 Empirical concrete foundation design. Group R, Division 3
 924 Occupancies three stories or less in height, and Group U Occupancies, which are
 925 constructed in accordance with Section 2308, or with other methods employing
 926 repetitive wood-frame construction or repetitive cold-formed steel structural member
 927 construction, shall be permitted to have concrete foundations constructed in accordance
 928 with Table 1807.1.6.4."

929 (2) A new IBC, Table 1807.1.6.4 is added as follows:

930

"TABLE 1807.1.6.4

931

EMPIRICAL FOUNDATION WALLS (1,7,8)

| 932 | Max. Height | Top Edge Support | Min. Thickness | Vertical Steel (2) | Horizontal Steel (3) | Steel at Openings (4) | Max. Lintel Length | Min. Lintel Length |
|-----|--------------|-----------------------------|----------------|--------------------|----------------------|--|--------------------|---|
| 933 | 2'(610 mm) | None | 6" | (5) | 2- #4 Bars | 2- #4 Bars above 1- #4 Bar each side 1- #4 Bar below | 2'(610 mm) | 2" for each foot of opening width; min. 6" |
| 934 | 3'(914 mm) | None | 6" | #4@3 2" | 3- #4 Bars | 2- #4 Bars above 1- #4 Bar each side 1- #4 Bar below | 2'(610 mm) | 2" for each foot of opening width; min. 6" |
| 935 | 4'(1,219 mm) | None | 6" | #4@3 2" | 4- #4 Bars | 2- #4 Bars above 1- #4 Bar each side 1- #4 Bar below | 3'(914 mm) | 2" for each foot of opening width; min. 6" |
| 936 | 6'(1,829 mm) | Floor or roof Diaphragm (6) | 8" | #4@2 4" | 5- #4 Bars | 2- #4 Bars above 1- #4 Bar each side 1- #4 Bar below | 6'(1,829 mm) | 2" for each foot of opening width; min. 6" |
| 937 | 8'(2,438 mm) | Floor or roof Diaphragm (6) | 8" | #4@2 4" | 6- #4 Bars | 2- #4 Bars above 1- #4 Bar each side 1- #4 Bar below | 6'(1,829 mm) | 2" for each foot of opening width; min. 6" |

| | | | | | | | | |
|-----|--------------|-----------------------------|----|---------|------------|--|--------------|--|
| 938 | 9'(2,743 mm) | Floor or roof Diaphragm (6) | 8" | #4@1 6" | 7- #4 Bars | 2- #4 Bars above 1- #4 Bar each side 1- #4 Bar below | 6'(1,829 mm) | 2" for each foot of opening width; min. 6" |
|-----|--------------|-----------------------------|----|---------|------------|--|--------------|--|

939 Over 9'(2,743 mm), Engineering required for each column

940 Footnotes:

941 (1) Based on 3,000 psi (20.6 Mpa) concrete and 60,000 psi (414 Mpa) reinforcing steel.

942 (2) To be placed in the center of the wall, and extended from the footing to within three inches (76 mm) of the top of the wall; dowels of #4 bars to match vertical steel placement shall be provided in the footing, extending 24 inches (610 mm) into the foundation wall.

943 (3) One bar shall be located in the top four inches (102 mm), one bar in the bottom four inches (102 mm) and the other bars equally spaced between. Such bar placement satisfies the requirements of Section 1808.8.6. Corner reinforcing shall be provided so as to lap 24 inches (610 mm).

944 (4) Bars shall be placed within two inches (51 mm) of the openings and extend 24 inches (610 mm) beyond the edge of the opening; vertical bars may terminate three inches (76 mm) from the top of the concrete.

945 (5) Dowels of #4 bar at 32 inches on center shall be provided in the footing, extending 18 inches (457 mm) into the foundation wall.

946 (6) Diaphragm shall conform to the requirements of Section 2308.

947 (7) Footing shall be a minimum of nine inches thick by 20 inches wide.

948 (8) Soil backfill shall be soil classification types GW, GP, SW, or SP, per Table 1610.1. Soil shall not be submerged or saturated in groundwater."

949 (3) A new ~~[IBC, Section 1905.1.9]~~ Section 1904.3, is added as follows:

950 [~~1905.1.9]~~ "1904.3 ACI 318, Section 19.3.1.1." Modify ACI 318, Table 19.3.1.1 to
 951 read as follows: In the portion of the table designated as "Conditions", the following Exposure
 952 category and class is deleted and replaced with the following:

953 "F0: Concrete elements not exposed to freezing and thawing cycles including footing
 954 elements, such as footings, tie beams, piles, and pile caps, etc., that are completely buried in
 955 soil."

956 (4) A new IBC, Section 1905.8, is added as follows:

957 "1905.8 In ACI 318, Section 18.10.3 is deleted and replaced with the following:
 958 18.10.3 Design Forces:
 959 18.10.3.1 Design shear forces for horizontal wall segments, including coupling
 960 beams, shall be in accordance with 18.10.7.
 961 18.10.3.2 Design shear forces for wall piers shall be in accordance with 18.10.8.
 962 18.10.3.3 Design shear forces for parts of walls not covered by 18.10.3.1 or 18.10.3.2
 963 shall be in accordance with the requirements of 18.10.3.3.1 through 18.10.3.3.5.
 964 18.10.3.3.1 If the wall design actions are determined in accordance with nonlinear
 965 dynamic analysis procedures satisfying Appendix A, design forces shall be as
 966 determined in Appendix A.
 967 18.10.3.3.2 If the design shear force is determined by linear analysis procedures of
 968 the general building code, it shall be amplified by the product $\Omega_v \omega_v$, where Ω_v and ω_v , are
 969 defined in 18.10.3.3.3 through 18.10.3.3.5.
 970 18.10.3.3.3 Ω_v and ω_v , shall be in accordance with Table 18.10.3.3.3. Alternatively, it
 971 shall be permitted to calculate $\Omega_v = M_{pr}/M_u$ at the critical section for flexure, where M_{pr}
 972 is calculated for axial force that includes the effects of and the expected gravity loads,
 973 with expected gravity loads in accordance with ASCE/SEI 7 Section 16.3.2.

974 Table 18.10.3.3.3 Factors Ω_v and ω_v

| 975 | <u>Condition</u> | <u>Ω_v</u> | <u>ω_v</u> |
|-----|---|---|---|
| 976 | <u>$hw_{cs}/l_w \leq 1.0$</u> | <u>1.0</u> | <u>1.0</u> |
| 977 | <u>$1.0 < hw_{cs}/l_w < 2.0$</u> | <u>Linear interpolation permitted between 1.0 and 1.5</u> | <u>1.0</u> |
| 978 | <u>$hw_{cs}/l_w \geq 2.0$</u> | <u>1.5</u> | <u>$0.8 + 0.09h_n/3$ 1.0</u> |

979 18.10.3.3.4 If the general building code includes provision to account for over
 980 strength of the seismic-force-resisting system, it shall be permitted to take $\Omega_v \omega_v$ equal to Ω_o .
 981 18.10.3.3.5 If $3 \Omega_v \omega_v = \Omega_o$, it shall be permitted to take the redundancy factor contained
 982 in the general building code equal to 1.0 for determination of the design shear force."
 983 (5) A new IBC, Section 1905.9, is added as follows:
 984 "1905.9 In ACI 318, Section 21.2.4.1, the following words are added after the words
 985 "resist E", except for walls where $\Omega_v \geq 1.5$ or if ω_v is taken as equal to Ω_o ."
 986 (6) A new IBC, Section 1909, Modifications to ACI 318, is added as follows:
 987 "1909.1 General. The text of ACI 318 shall be modified as indicated in Sections
 988 1909.2 through 1909.5.

989 1909.2 ACI 318 Section 13.2.6.2, For shallow foundation members continuously
 990 supported by soil and designed based upon the assumption of rigid behavior of the
 991 shallow member, (a) and (b) shall be permitted:

992 (a) For one-way shear strength, V_c shall be taken as: $V_c = 2\lambda v f_{lc} b w d$.

993 (b) For two-way shear strength, the size factor, λ_s , specified in 22.6 shall be taken
 994 equal to 1.0.

995 1909.3 ACI 318, Section 13.3.6.1.1 is added as follows:

996 13.3.6.1.1 It shall be permitted to calculate V_c for cantilever retaining wall as $V_c = 2\lambda v$
 997 $f_{lc} b w d$.

998 1909.4 ACI 318, Section 13.3.7 Basement Walls is added as follows:

999 13.3.7.1 The design of basement walls to resist out-of-plane lateral earth pressures
 1000 shall satisfy (a) through (e):

1001 (a) Basement walls shall be designed as one-way slabs in accordance with the
 1002 applicable provision of Chapter 7 or as two-way slabs in accordance with the applicable
 1003 provision of Chapter 8.

1004 (b) Basement walls shall be designed to resist hydrostatic pressure, if applicable.

1005 (c) It shall be permitted to calculate the one-way shear strength of concrete as $V_c = 2\lambda v$
 1006 $f_{lc} b w d$.

1007 (d) For two-way shear strength, the size effect factor λ_s , as specified in 22.6 shall be
 1008 taken equal to 1.0.

1009 (e) Basement walls shall satisfy the applicable provision of Chapter 18.13.3.7.2. For
 1010 loads other than out-of-plane lateral earth pressure, basement walls shall satisfy the
 1011 applicable provisions of Chapter 11."

1012 (7) 1909.5 ACI 318, Section 22.5.5.1.1, is deleted and replaced with the following:

1013 "22.5.5.1.1 V_c shall not be taken as greater than $5\lambda v f_{lc} b w d$. V_c need not be taken less
 1014 than $\lambda v f_{lc} b w d$ except in cases (a) or (b):

1015 (a) elements subject to net axial tension

1016 (b) if Sections 18.6.5.2 or 18.7.6.2.1 apply."

1017 Section 9. Section **15A-3-110** is amended to read:

1018 **15A-3-110 (Effective 07/01/26). Amendments to Chapters 23 through 25 of IBC.**

1019 (1) A new [~~IBC, Section 2306.1.5~~] IBC, Section 2306.1.6, is added as follows:

1020 ["2306.1.5"] "2306.1.6 Load duration factors. [-]The allowable stress increase of 1.15
 1021 for snow load, shown in Table 2.3.2, Frequently Used Load Duration Factors, C_d , of the
 1022 National Design Specifications, shall not be utilized at elevations above 5,000 feet

- 1023 (1,524 M)."
- 1024 (2) [~~In~~] ~~IBC, Section 2308.3.1~~] In IBC, Section 2308.7.1, the words "6 feet (1829 mm)"
- 1025 and "4 feet (1219 mm)" are deleted and each replaced with the words "32 inches."
- 1026 (3) A new IBC, Section 2406.6, is added as follows:
- 1027 "2406.6 Glazing in Educational Occupancies (K-12). Exterior entrance level
- 1028 windows within 25 feet of an exterior entrance shall have ballistic glass or security
- 1029 glazing, extending from ground level to a minimum height of six feet from ground level.
- 1030 Windows surrounding the interior of the classroom entrance or instructional areas
- 1031 shall have ballistic glass or security glazing installed, extending from the floor to a
- 1032 minimum height of six feet from the floor.
- 1033 2406.6.1 Standard for Security Glazing in Educational Occupancies (K-12). For the
- 1034 purpose of this section, Ballistic glass is defined as glass certified at a minimum level of:
- 1035 (i) Underwriters Laboratories Standard UL752-23, Standard for Bullet-Resisting
- 1036 Equipment, Threat Level UL-RF-E from Table C1 (Legacy Level) (2023); or
- 1037 (ii) ASTM F3279-24, Standard Test Methods for Ballistic Resistant Security Glazing
- 1038 Materials, Threat and Performance Level 4, Ballistic Test Identity (BTI) R1-T1-C5-2L
- 1039 under Table 1, Ballistic Criteria (2021).
- 1040 Security glazing is defined as a clear or tinted durable material applied to glass doors
- 1041 and windows that enhances the structural integrity of the glass by preventing it from
- 1042 shattering and falling to the ground when impacted by an object and meets the minimum
- 1043 standard established by:
- 1044 (i) ASTM F3561, Standard Test Method for Forced-Entry-Resistance of Fenestration
- 1045 Systems After Simulated Active Shooter Attack, minimum level 3 of Table 2, Potential
- 1046 Energy of Impactor and Drop Height (2023); or
- 1047 (ii) ANSI Z97.1-15 (R20) American National Standards For Safety Glazing Materials
- 1048 used in Buildings safety performance specifications and methods of test, shall meet the
- 1049 durability requirements of Sections 5.3 and 5.4.
- 1050 References:
- 1051 Minimum Safety and Security Standards for School Facilities
- 1052 State Security Chief: Subsections 53-22-102(3)(b) and (c)
- 1053 County Security Chief: Subsection 53-22-103(2)
- 1054 State Board of Education Construction Guidelines: Sections 53E-3-702; 53E-3-706
- 1055 Panic device: Section 56G-8-805"
- 1056 Section 10. Section **15A-3-202** is amended to read:

1057 **15A-3-202 (Effective 07/01/26). Amendments to Chapters 1 through 5 of IRC.**

1058 (1) In IRC, Section R101.2, after the sentence ending with "not more than three stories
1059 above grade plane in height." the following words are added:

1060 "This code shall not require modifications to a building component that is not
1061 being altered as part of an alteration, movement, replacement or repair of an existing
1062 structure."

1063 (2) In IRC, Section R101.2, Exception, ~~[the words]~~ the following words are deleted:

1064 "where provided with an automatic sprinkler system complying with Section
1065 P2904."~~[-are deleted.]~~

1066 ~~[(2)]~~ (3) In IRC, Section R101.2, Exception, ~~[the words]~~ the following words are added:

1067 "6. A triplex or fourplex of no more than two levels with 2-hour
1068 fire-resistance-rated vertical shared wall assemblies tested in accordance with ASTM
1069 E119 or UL263, 1-hour fire-resistance-rated horizontal floor assemblies tested in
1070 accordance with ASTM E119 or UL263, and independent egress for each unit."~~[-are~~
1071 ~~added.]~~

1072 ~~[(3)]~~ (4) In IRC, Section R102, a new Section R102.7.2 is added as follows:

1073 "R102.7.2 Physical change for bedroom window egress. A structure whose egress
1074 window in an existing bedroom is smaller than required by this code, and that complied
1075 with the construction code in effect at the time that the bedroom was finished, is not
1076 required to undergo a physical change to conform to this code if the change would
1077 compromise the structural integrity of the structure or could not be completed in
1078 accordance with other applicable requirements of this code, including setback and
1079 window well requirements."

1080 ~~[(4)]~~ (5) In IRC Section R105.2, under Building, the following changes are made:

1081 (a) Number 3 is deleted and replaced with the following:

1082 "3. Retaining walls retaining less than [4] four feet (1219mm) of unbalanced
1083 fill, unless supporting a surcharge or requiring design per Section R404.4."

1084 (b) Number 10 is deleted and replaced with the following:

1085 "10. Decks that are not more than 30 inches (762mm) above grade at any point
1086 and not requiring guardrails, that do not serve exit door required by Section R311.4."

1087 ~~[(5)]~~ (6) In IRC, Section R105.2, a new exception is added:

1088 "11. Grade level, non-connected conex boxes, less than 350 square feet, used for
1089 storage only."

1090 ~~[(6)]~~ (7) In IRC, Section R108.3, the following sentence is added at the end of the section:

1091 "The building official shall not request proprietary information."

1092 [~~(7)~~] (8) In IRC, Section 109.1.5, is deleted and replaced with the following:

1093 "R109.1.5 Other inspections. In addition to the inspections listed in R109.1.1
1094 through R109.1.4, the building official shall have the authority to inspect the proper
1095 installation of insulation. R109.1.5.1 Weather-resistant exterior wall envelope
1096 inspections. An inspection shall be made of the weather-resistant exterior wall envelope
1097 as required by Section R703.1 and flashings as required by Section R703.4 to prevent
1098 water from entering the weather-resistive barrier. R109.1.5.2 Fire-resistance-rated
1099 construction inspection. Where fire-resistance-rated construction is required between
1100 dwelling units or due to location on property, the building official shall require an
1101 inspection of such construction after lathing or gypsum board or gypsum panel products
1102 are in place, but before any plaster is applied, or before board or panel joints and
1103 fasteners are taped and finished."

1104 [~~(8)~~] (9) In IRC, Section R202, the following definition is added:

1105 "ACCESSORY DWELLING UNIT: A habitable living unit created within the
1106 existing footprint of a primary owner-occupied single-family dwelling."

1107 [~~(9)~~] (10) In IRC, Section R202, the definition for [~~"Approved~~] "APPROVED" is modified
1108 by adding the words "or independent third-party licensed engineer or architect and
1109 submitted to the building official" after the word "official."

1110 [~~(10)~~] (11) In IRC, Section R202, the definition for [~~"Approved Agency~~] "APPROVAL
1111 AGENCY" is modified by replacing the word "and" with "or."

1112 [~~(11)~~] (12) In IRC, Section 202, the definition for [~~"Approved Source~~] APPROVED
1113 SOURCE" is modified by adding the words "or licensed engineer or architect" after the
1114 word "official."

1115 [~~(12)~~] (13) In IRC, Section R202, the following definition is added:

1116 "CERTIFIED BACKFLOW PREVENTER ASSEMBLY TESTER: A person who
1117 has shown competence to test Backflow prevention assemblies to the satisfaction of the
1118 authority having jurisdiction under Utah Code, Subsection 19-4-104(4)."

1119 [~~(13)~~] (14) In IRC, Section R202, the definition of "~~["Cross Connection]~~ CROSS
1120 CONNECTION" is deleted and replaced with the following:

1121 "CROSS CONNECTION. Any physical connection or potential connection or
1122 arrangement between two otherwise separate piping systems, one of which contains
1123 potable water and the other either water of unknown or questionable safety or steam,
1124 gas, or chemical, whereby there exists the possibility for flow from one system to the

1125 other, with the direction of flow depending on the pressure differential between the two
 1126 systems (see "Backflow, Water Distribution")."

1127 ~~[(14)]~~ (15) In IRC, Section 202, the following definition is added:

1128 "DUAL SOURCE CONNECTION. A pipe that is installed so that either the
 1129 nonpotable (i.e. secondary) irrigation water or the potable water is connected to a
 1130 pressurized irrigation system at one time, but not both at the same time; or a pipe that is
 1131 installed so that either the potable water or private well water is connected to a residence
 1132 at one time, but not both at the same time. The potable water supply line shall be
 1133 protected by a reduced pressure backflow preventer."

1134 ~~[(15)]~~ (16) In IRC, Section 202, the following definition is added:

1135 "ENERGY STORAGE SYSTEM (ESS). One or more devices, assembled
 1136 together, that are capable of storing energy for supplying electrical energy at a future
 1137 time."

1138 ~~[(16)]~~ (17) In IRC, Section 202, in the definition for ~~[gray water]~~ "GRAY WATER", a
 1139 comma is inserted after the word "washers"; the word "and" is deleted; and the following
 1140 is added to the end:

1141 "and clear water wastes which have a pH of 6.0 to 9.0; are non-flammable;
 1142 non-combustible; without objectionable odors; non-highly pigmented; and will not
 1143 interfere with the operation of the sewer treatment facility."

1144 ~~[(17)]~~ (18) In IRC, Section R202, the definition of "~~[Potable Water]~~ POTABLE WATER" is
 1145 deleted and replaced with the following:

1146 "POTABLE WATER. Water free from impurities present in amounts sufficient to
 1147 cause disease or harmful physiological effects and conforming to the Utah Code, Title
 1148 19, Chapter 4, Safe Drinking Water Act, and Title 19, Chapter 5, Water Quality Act, and
 1149 the regulations of the public health authority having jurisdiction."

1150 ~~[(18)]~~ (19) In IRC, Figure R301.2 (3), is deleted and replaced with R301.2 (3) as follows:

1151 "TABLE R301.2 (3)

1152 GROUND SNOW LOADS FOR SELECTED LOCATIONS IN UTAH

| 1153 City/Town | County | Ground Snow Load (lb/ft ²) | Elevation (ft) |
|-------------------|-----------|--|----------------|
| 1154 Beaver | Beaver | 35 | 5886 |
| 1155 Brigham City | Box Elder | 42 | 4423 |
| 1156 Castle Dale | Emery | 32 | 5669 |

| | | | | |
|------|----------------|------------|----|------|
| 1157 | Coalville | Summit | 57 | 5581 |
| 1158 | Duchesne | Duchesne | 39 | 5508 |
| 1159 | Farmington | Davis | 35 | 4318 |
| 1160 | Fillmore | Millard | 30 | 5138 |
| 1161 | Heber City | Wasatch | 60 | 5604 |
| 1162 | Junction | Piute | 27 | 6030 |
| 1163 | Kanab | Kane | 25 | 4964 |
| 1164 | Loa | Wayne | 37 | 7060 |
| 1165 | Logan | Cache | 43 | 4531 |
| 1166 | Manila | Daggett | 26 | 6368 |
| 1167 | Manti | Sanpete | 37 | 5620 |
| 1168 | Moab | Grand | 21 | 4029 |
| 1169 | Monticello | San Juan | 67 | 7064 |
| 1170 | Morgan | Morgan | 52 | 5062 |
| 1171 | Nephi | Juab | 39 | 5131 |
| 1172 | Ogden | Weber | 37 | 4334 |
| 1173 | Panguitch | Garfield | 41 | 6630 |
| 1174 | Parowan | Iron | 32 | 6007 |
| 1175 | Price | Carbon | 31 | 5558 |
| 1176 | Provo | Utah | 31 | 4541 |
| 1177 | Randolph | Rich | 50 | 6286 |
| 1178 | Richfield | Sevier | 27 | 5338 |
| 1179 | St. George | Washington | 21 | 2585 |
| 1180 | Salt Lake City | Salt Lake | 28 | 4239 |
| 1181 | Tooele | Tooele | 35 | 5029 |
| 1182 | Vernal | Uintah | 39 | 5384 |

1183 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."

1184 [(19)] (20) In IRC, Section R301.6, is deleted and replaced with the following:

1185 "R301.6 Utah Snow Loads. The snow loads specified in Table R301.2(5b) shall
1186 be used for the jurisdictions identified in that table. Otherwise, for other locations in
1187 Utah, see Bean, B., Maguire, M., Sun, Y. (2018), "The Utah Snow Load Study," Utah
1188 State University Civil and Environmental Engineering Faculty Publications, Paper 3589,
1189 <http://utahsnowload.usu.edu/>, for ground snow load values."

1190 [(20)] (21) In IRC, Section R302.2, the following sentence is added at the end of the
1191 paragraph:

1192 "When an access/maintenance agreement or easement is in place, plumbing,
1193 mechanical ducting, schedule 40 steel gas pipe, and electric service conductors including
1194 feeders, are permitted to penetrate the common wall at grade, above grade, or below
1195 grade."

1196 [(21)] (22) In IRC, Section R302.3, a new [exception] Exemption 3 is added as follows:

1197 "3. Accessory dwelling units separated by walls or floor assemblies protected by
1198 not less than 1/2-inch (12.7 mm) gypsum board or equivalent on each side of the wall or
1199 bottom of the floor assembly are exempt from the requirements of this section."

1200 [(22)] (23) In IRC, Section R302.5.1, the last sentence is deleted.

1201 [(23)] (24) In IRC, Section R302.13, is deleted.

1202 [(24)] (25) In IRC, Section R303.4, the following exception is added:

1203 "Exception: Dwelling units tested in accordance with Section N1102.4.1.2
1204 (R402.4.1.2) which has an air tightness of 3.0 ACH (50) or greater do not require
1205 mechanical ventilation."

1206 [(25)] (26) In IRC, Section R310.1, all words in the last sentence after "or to a yard or
1207 court", are deleted, and Exception 3 of this section is deleted.

1208 [(26)] (27) In IRC, Section R310.7, in the exception, the words "or accessory dwelling
1209 units" are added after the words "sleeping rooms".

1210 [(27)] (28) IRC, Sections [R311.7.45] R311.7.5.1 through R311.7.5.3, are deleted and replaced
1211 with the following:

1212 "[~~R311.7.45.1 Stair treads and risers. R311.7.5.1~~] R311.7.5.1 Riser height. The
1213 maximum riser height shall be [8] eight inches (203 mm). The riser shall be measured
1214 vertically between leading edges of the adjacent treads. The greatest riser height within any
1215 flight of stairs shall not exceed the smallest by more than 3/8 inch (9.5 mm).

1216 R311.7.5.2 Tread depth. The minimum tread depth shall be [9] nine inches (228 mm).
1217 The tread depth shall be measured horizontally between the vertical planes of the foremost
1218 projection of adjacent treads and at a right angle to the tread's leading edge. The greatest tread
1219 depth within any flight of stairs shall not exceed the smallest by more than 3/8 inch (9.5 mm).
1220 Winder treads shall have a minimum tread depth of 10 inches (254 mm) measured as above at
1221 a point 12 inches (305 mm) from the side where the treads are narrower. Winder treads shall
1222 have a minimum tread depth of [6] six inches (152 mm) at any point. Within any flight of
1223 stairs, the greatest winder tread depth at the 12-inch (305 mm) walk line shall not exceed the
1224 smallest by more than 3/8 inch (9.5 mm).

1225 R311.7.5.3 Nosing. The radius of curvature at the leading edge of the tread shall be no
1226 greater than 9/16 inch (14.3 mm). A nosing not less than 3/4 inch (19 mm) but not more than
1227 1 1/4 inches (32 mm) shall be provided on stairways with solid risers. The greatest nosing
1228 projection shall not exceed the smallest nosing projection by more than 3/8 inch (9.5 mm)
1229 between two stories, including the nosing at the level of floors and landings. Beveling of
1230 nosing shall not exceed 1/2 inch (12.7 mm). Risers shall be vertical or sloped from the
1231 underside of the leading edge of the tread above at an angle not more than 30 degrees (0.51
1232 rad) from the vertical. Open risers are permitted, provided that the opening between treads
1233 does not permit the passage of a 4-inch diameter (102 mm) sphere.

1234 Exceptions.

- 1235 1. A nosing is not required where the tread depth is a minimum of 10 inches (254 mm).
- 1236 2. The opening between adjacent treads is not limited on stairs with a total rise of 30
1237 inches (762 mm) or less."

1238 [(28)] (29) In IRC, Section R312.2, is deleted.

1239 [(29)] (30) In IRC, Sections R313.1 through R313.2.1, are deleted and replaced with the
1240 following:

1241 "R313.1 Design and installation. When installed, automatic residential fire
1242 sprinkler systems for townhouses or one- and two-family dwellings shall be designed
1243 and installed in accordance with Section P2904 or NFPA 13D."

1244 [~~(30)~~] (31) In IRC, Section R314.2.2, the words "accessory dwelling units," are added after
1245 the words "Where alterations, repairs."

1246 [~~(31)~~] (32) In IRC, Section R315.2.2, the words "accessory dwelling units," are added after
1247 the words "Where alterations, repairs."

1248 [~~(32)~~] (33) In IRC, Section 315.3, the following words are added to the first sentence after
1249 the word "installed": "on each level of the dwelling unit and."

1250 [~~(33)~~] (34) A new IRC, Section R328.12, is added as follows:

1251 "R328.12 Signage. A sign located on the exterior of the dwelling shall be installed at a
1252 location approved by the authority having jurisdiction which identifies the battery chemistry
1253 included in the ESS. This sign shall be of sufficient durability to withstand the environment
1254 involved and shall not be handwritten."

1255 [~~(34)~~] (35) In IRC, Section 403.1.3.5.3, an exception is added as follows:

1256 [-]"Exception: Vertical steel in footings shall be permitted to be located while
1257 concrete is still plastic and before it has set. Where vertical steel resists placement or the
1258 consolidation of concrete around steel is impeded, the concrete shall be vibrated to
1259 ensure full contact between the vertical steel and concrete."

1260 [~~(35)~~] (36) In IRC, Section R403.1.6, a new Exception 3 is added as follows:

1261 "3. [-]When anchor bolt spacing does not exceed 32 inches (813 mm) apart,
1262 anchor bolts may be placed with a minimum of two bolts per plate section located not
1263 less than [4] four inches (102 mm) from each end of each plate section at interior bearing
1264 walls, interior braced wall lines, and at all exterior walls."

1265 [~~(36)~~] (37) In IRC, Section R403.1.6.1, a new exception is added at the end of Item 2 and
1266 Item 3 as follows:

1267 "Exception: When anchor bolt spacing does not exceed 32 inches (816 mm) apart,
1268 anchor bolts may be placed with a minimum of two bolts per plate section located not
1269 less than [4] four inches (102 mm) from each end of each plate section at interior bearing
1270 walls, interior braced wall lines, and at all exterior walls."

1271 [~~(37)~~] (38) In IRC, Section R404.1, a new exception is added as follows:

1272 "Exception: As an alternative to complying with Sections R404.1 through
1273 R404.1.5.3, concrete and masonry foundation walls may be designed in accordance with
1274 IBC Sections 1807.1.5 and 1807.1.6 as amended in Section 1807.1.6.4 and Table
1275 1807.1.6.4 under these rules."

1276 [~~(38)~~] (39) In IRC, Section R405.1, a second exception is added as follows:

1277 "Exception: When a geotechnical report has been provided for the property, a

1278 drainage system is not required unless the drainage system is required as a condition of
1279 the geotechnical report. The geotechnical report shall make a recommendation regarding
1280 a drainage system."

1281 [(39)] (40) In IRC, Section R506.2.3, the words "10-mil (0.010 inch; 0.25 mm)" are deleted
1282 and replaced with "6-mil (0.006 inch; 0.152 mm)" and the words "conforming to ASTM
1283 E1745 Class A requirements" are deleted.

1284 [(40)] (41) In IRC, Section 507.2.1, Wood materials. The following [sentence] is added after
1285 the words, "in accordance with section R317," "field applied weather resistant barrier
1286 applied to the top of untreated material,".

1287 Section 11. Section **15A-3-203** is amended to read:

1288 **15A-3-203 (Effective 07/01/26). Amendments to Chapters 6 through 15 of IRC.**

1289 (1) IRC, Section R609.4.1, is deleted.

1290 (2) IRC, Section R702.7, is deleted.

1291 [(2) In IRC, Section N1101.4 (R102.1.1), a new section N1101.4.1 (R102.1.1) is added as
1292 follows:-]

1293 ["N1101.4.1 National Green Building Standard. Buildings complying with ICC
1294 700-2020 National Green Building Standard and achieving the Gold rating level for the
1295 energy efficiency category shall be deemed to exceed the energy efficiency required by
1296 this code. The building shall also meet the requirements identified in table N1105.2 and
1297 the building thermal envelope efficiency is greater than or equal to levels of efficiency
1298 and solar heat gain coefficients (SHGC) in Tables N1102.2.2 and N1102.1.3 of the 2009
1299 IRC."]

1300 [(3) In IRC, Section N1101.5 (R103.2), all words after the words "herein governed." are
1301 deleted and replaced with the following:-]

1302 ["Construction documents include all documentation required for building permits
1303 shall include only those items specified in Subsection 10-20-909(12) or 17-79-810(12)
1304 of the Utah Code."]

1305 [(4) In IRC, Section N1101.10.3 (R303.1.3) the following changes are made:]

1306 [(a) The following is added at the end of the first sentence "or EN
1307 14351-1:2006+A1:2010."]

1308 [(b) The word "accredited" is replaced with "approved" in the third sentence.]

1309 [(c) The following sentence is added after the third sentence:-]

1310 ["A conversion factor of 5.678 shall be used to convert from U values
1311 expressed in SI units: $(\)/53678=$."]

- 1312 [(d) After "NFRC 200" the following words are added: "or EN
 1313 14351-1:2006+A1:2010," and in the sentence the word "accredited" is replaced with
 1314 the word "approved."]
- 1315 [(e) The following new sentence shall be inserted immediately before the last sentence:]
 1316 ["Total Energy Transmittance values may be substituted for SHGC, and
 1317 Luminous Transmission values may be substituted for VT."]
- 1318 [(5) In IRC, Section N1101.12 (R303.3), all wording after the first sentence is deleted.]
- 1319 [(6) In IRC, Section N1101.13 (R401.2), in the first sentence, the words "Section
 1320 N1101.13.5 and" are deleted.]
- 1321 [(7) In IRC, Section N1101.13.5 (R401.2.5) is deleted.]
- 1322 [(8) In IRC, Section N1101.14 (R401.3) Number 7, the words "and the compliance path
 1323 used" are deleted.]
- 1324 [(9) In IRC, Table N1102.1.2 (R402.1.2):]
- 1325 [(a) in the column titled Fenestration U-Factor the following changes are made:]
 1326 [(i) in the row titled "Climate Zone 3" delete 0.30 and replace it with 0.32;]
 1327 [(ii) in the row titled "Climate Zone 5 and Marine 4" delete 0.30 and replace it with
 1328 0.32; and]
 1329 [(iii) in the row titled "Climate Zone 6" delete 0.30 and replace it with 0.32;]
- 1330 [(b) in the column titled "Glazed Fenestration SHGC", the following change is made: in
 1331 the row titled "Climate Zone 3" delete 0.25 and replace it with 0.35;]
- 1332 [(c) in the column titled "Ceiling U-Factor" the following changes are made:]
 1333 [(i) in the row titled "Climate Zone 3" delete 0.026 and replace it with 0.030;]
 1334 [(ii) in the row titled "Climate Zone 5 and Marine 4" delete 0.024 and replace it with
 1335 0.026; and]
 1336 [(iii) in the row titled "Climate Zone 6" delete 0.024 and replace it with 0.026;]
- 1337 [(d) in the column titled "Wood Frame Wall U Factor", the following changes are made:]
 1338 [(i) in the row titled "Climate Zone 3" delete 0.060 and replace it with 0.060;]
 1339 [(ii) in the row titled "Climate Zone 5 and Marine 4" delete 0.045 and replace it with
 1340 0.060; and]
 1341 [(iii) in the row titled "Climate Zone 6" delete 0.045 and replace it with 0.060;]
- 1342 [(e) in the column titled "Basement Wall U-Factor" the following changes are made:]
 1343 [(i) in the row titled "Climate Zone 5 and Marine 4" delete 0.050 and replace it with
 1344 0.075; and]
 1345 [(ii) in the row titled "Climate Zone 6" delete 0.50 and replace it with 0.065; and]

- 1346 [(f) in the column titled "Crawl Space Wall U-Factor" the following changes are made:]
1347 [(i) in the row titled "Climate Zone 5 and Marine 4" delete 0.055 and replace it with
1348 0.078; and]
1349 [(ii) in the row titled "Climate Zone 6" delete 0.55 and replace it with 0.065.]
- 1350 [(10) In IRC, Table N1102.1.3 (R402.1.3), the following changes are made:]
1351 [(a) in the column titled "Wood Frame Walls R-Value" a new footnote indicator "j" is
1352 added and at the bottom of the footnotes the following footnote "j" is added:]
1353 ["j. In climate zone 3B and 5B, an R-15, and in climate zone 6, an R-20 shall be
1354 acceptable where air-impermeable insulation is installed in the cavity space, exterior
1355 continuous insulation, or some combination thereof; and the tested house air leakage
1356 is a maximum of 2.0 ACH50"; and]
1357 [(b) add a new footnote "k" as follows:]
1358 ["k. Log walls complying with ICC400 and with a minimum average wall
1359 thickness of 5 inches or greater shall be permitted in Zones 5 through 8 when overall
1360 window glazing has 0.30 U-factor or lower, minimum heating equipment efficiency
1361 is for gas 95 AFUE, or for oil, 84 AFUE, and all other components requirements are
1362 met."]
- 1363 [(11) In IRC, Table N1102.1.3 (R402.1.3) the following changes are made:]
1364 [(a) in the column titled "Fenestration U-Factor" the following changes are made:]
1365 [(i) in the row titled "Climate Zone 3" delete 0.30 and replace it with 0.32;]
1366 [(ii) in the row titled "Climate Zone 5 and Marine 4" delete 0.30 and replace it with
1367 0.32; and]
1368 [(iii) in the row titled "Climate Zone 6" delete 0.30 and replace it with 0.32;]
- 1369 [(b) in the column titled "Glazed Fenestration SHGC" the following change is made: in
1370 the row titled "Climate Zone 3" delete 0.25 and replace it with 0.35;]
- 1371 [(c) in the Column R-Value the following changes are made:]
1372 [(i) in the row titled "Climate Zone 3" delete 49 and replace it with 38;]
1373 [(ii) in the row titled "Climate Zone 5 and Marine 4" delete 60 and replace it with 49;
1374 and]
1375 [(iii) in the row titled "Climate Zone 6" delete 60 and replace it with 49;]
- 1376 [(d) in the Column titled "Wood Frame Wall R-Value" the following changes are made:]
1377 [(i) in the row titled "Climate Zone 3" delete all values and replace with $20+0e_i$ or
1378 $13+5e_i$ or $015e_i$];
1379 [(ii) in the row titled "Climate Zone 5 or Marine 4" delete all values and replace with

- 1380 21+0ci or 15+5ci or 0+15ci; and]
- 1381 [(iii) in the row titled "Climate Zone 6" delete all values and replace with 21+0ci or
- 1382 15+5ci or 0+15ci;]
- 1383 [(e) in the column titled "Basement Wall R-Value" the following changes are made:]
- 1384 [(i) in the row titled "Climate Zone 5 or Marine 4" delete all values and replace with
- 1385 15+0ci or 0+11ci or 11+5ci; and]
- 1386 [(ii) in the row titled "Climate Zone 6" delete all values and replace with 19+0ci or
- 1387 0+13ci or 11+5ci;]
- 1388 [(f) in the column titled "Slab R-Value and Depth" the following changes are made:]
- 1389 [(i) in the row titled "Climate Zone 3" delete 10ci, 2 ft and replace it with NR; and]
- 1390 [(ii) in the row titled "Climate Zone 5 & Marine 4" delete 4 ft and replace it with 2 ft;
- 1391 and]
- 1392 [(g) in the column titled "Crawl Space Wall R-Value" the following changes are made:]
- 1393 [(i) in the row titled "Climate Zone 5 or Marine 4" delete all values and replace with
- 1394 15+0ci or 0+11ci or 11+5ci; and]
- 1395 [(ii) in the row titled "Climate Zone 6" delete all values and replace with 19+0ci or
- 1396 0+13ci or 0+11+5ci.]
- 1397 [(12) In IRC, a new subsection N1102.1.5.1 (R402.1.5.1) is added as follows:]
- 1398 ["1102.1.5.1 (R402.1.5.1) RESCheck 2012 Utah Energy Conservation Code.
- 1399 Compliance with section N1102.1.5 (R402.1.5) may be satisfied using the software
- 1400 RESCheck 2012 Utah Energy Conservation Code, which shall satisfy the R-value and
- 1401 U-factor requirements of N1102.1, N1102.2, and N1102.3, provided the following
- 1402 conditions are met:]
- 1403 [(a) in "Climate Zone 5 and 6" the software result shall show 5% better than code; and]
- 1404 [(b) in "Climate Zone 3", the software result shall show 5% better than code when
- 1405 software inputs for window U-factor .65 and window SHGC=0.40, notwithstanding
- 1406 actual windows installed shall conform to requirements of Tables N1102.1.2
- 1407 (R402.1.2) and N1102.1.3 (R402.1.3)."]
- 1408 [(13) In IRC, Sections N1102.2.1 (R402.2.1), a new Section N1102.2.1.1 is added as follows:
- 1409 "N1102.2.1.1. Unvented attic and unvented enclosed rafter assemblies. Unvented attic
- 1410 and unvented enclosed rafter assemblies conforming to Section R806.5 shall be provided with
- 1411 an R-value of R-22 (maximum U-Factor of 0.045) in Climate Zone 3-B or an R-value of R-26
- 1412 (maximum U-factor of 0.038) in Climate Zones 5-B and 6-B shall be permitted provided all
- 1413 the following conditions are met:

- 1414 1. The unvented attic assembly complies with the requirements of the International
1415 Residential Code, R806.5.
- 1416 2. The house shall attain a blower door test result ~~2.5~~ACH 50.
- 1417 3. The house shall require a whole house mechanical ventilation system that does not
1418 rely solely on a negative pressure strategy (must be positive, balanced or hybrid).
- 1419 4. Where insulation is installed below the roof deck and the exposed portion of roof
1420 rafters are not already covered by the R-20 depth of the air-impermeable insulation, the
1421 exposed portion of the roof rafters shall be wrapped (covered) by minimum R-3 unless directly
1422 covered by drywall/finished ceiling. Roof rafters are not required to be covered by minimum
1423 R-3 if a continuous insulation is installed above the roof deck.
- 1424 5. Indoor heating, cooling and ventilation equipment (including ductwork) shall be
1425 inside the building thermal envelope."]
- 1426 [(14) In IRC, Section N1102.2.9.1 (R402.2.9.1) the numeral (i) is added before the words
1427 "cut at a 45 degree" and the following is added after the words "exterior wall": "or (ii)
1428 lowered from top of slab 4" when a 4" thermal break material such as, but not limited to,
1429 felt or asphalt impregnated fiber board, with a minimum thickness of 1/4" is installed at
1430 the upper 4" of slab".]
- 1431 [(15) In IRC, Section N1102.4.1 (R402.4.1), in the first sentence, the word "and" is deleted
1432 and replaced with the word "or."]
- 1433 [(16) In IRC, Section N1102.4.1.1 (R402.4.1.1), the last sentence is deleted and replaced
1434 with the following:]
- 1435 ["Where allowed by the code official, the builder may certify compliance to
1436 components criteria for items which may not be inspected during regularly scheduled
1437 inspections."]
- 1438 [(17) In IRC, Table N1102.4.1.1 (R402.4.1.1) in the column titled "COMPONENT, the
1439 following changes are made:]
- 1440 [(a) In the row "Rim Joists" the word "exterior" in the first sentence is deleted, and the
1441 second sentence is deleted.]
- 1442 [(b) In the row "Electrical/phone box on the exterior walls" the last sentence is deleted
1443 and replaced with: "Alternatively, close cell foam, caulking or gaskets may be used,
1444 or air sealed boxes may be installed."]
- 1445 [(18) In IRC, Section N1102.4.1.2 (R402.4.1.2), the following changes are made:]
- 1446 [(a) In the fourth sentence, the word "third" is deleted.]
- 1447 [(b) The following sentence is added after the fourth sentence:]

- 1448 ~~["The following parties shall be approved to conduct testing: Parties certified~~
 1449 ~~by BPI or RESNET, or licensed contractors who have completed training provided~~
 1450 ~~by Blower Door Test equipment manufacturers or other comparable training."]~~
 1451 ~~[(e) In the first Exception the second sentence is deleted.]~~
 1452 ~~[(19) IRC, Section N1103.3.3 (R403.3.3), is deleted.]~~
 1453 ~~[(20) IRC Section N1103.3.3.1 (R403.3.3.1) is deleted.]~~
 1454 ~~[(21) In IRC, Section N1103.3.5 (R403.3.5), the following changes are made:]~~
 1455 ~~[(a) a second Exception is added as follows: "A duct leakage test shall not be required~~
 1456 ~~for any system designed such that no air handlers or ducts are located within~~
 1457 ~~unconditioned attics."; and]~~
 1458 ~~[(b) the following is added at the end of the section:]~~
 1459 ~~["The following parties shall be approved to conduct testing:]~~
 1460 ~~[(i) Parties certified by BPT or RESNET; and]~~
 1461 ~~[(ii) Licensed contractors who have completed training provided by Duct Test~~
 1462 ~~equipment manufacturers or other comparable training."]~~
 1463 ~~[(22) In IRC, Section N1103.3.6 (R403.3.6) the following changes are made:]~~
 1464 ~~[(a) in Subsection 1:]~~
 1465 ~~[(i) the number 4.0 is changed to 6.0;]~~
 1466 ~~[(ii) the number 113.3 is changed to 170;]~~
 1467 ~~[(iii) the number 3.0 is changed to 5.0; and]~~
 1468 ~~[(iv) the number 85 is changed to 141;]~~
 1469 ~~[(b) in Subsection 2:]~~
 1470 ~~[(i) the number 4.0 is changed to 5.0; and]~~
 1471 ~~[(ii) the number 113.3 is changed to 141; and]~~
 1472 ~~[(e) Subsection 3 is deleted.]~~
 1473 ~~[(23) In IRC, Section N1103.3.7 (R403.3.7) the words "or plenums" are deleted.]~~
 1474 ~~[(24) In IRC, Section N1103.5.1.1 (R403.5.1.1) the words "Where installed" are added at~~
 1475 ~~the beginning of the first sentence.]~~
 1476 ~~[(25) In IRC, Section N1103.5.2 (R403.5.2) the following change is made, Subsections 5~~
 1477 ~~and 6 are deleted and Subsection 7 is renumbered to 5.]~~
 1478 ~~[(26) IRC, Section N1103.6.2 (R403.6.2), is deleted and replaced with the following:]~~
 1479 ~~["N1103.6.2 (R403.6.2) Whole-house mechanical ventilation system fan efficacy. Fans~~
 1480 ~~used to provide whole-house mechanical ventilation shall meet the efficacy requirements of~~
 1481 ~~Table N1103.6.2 (R403.6.2).]~~

1482 Exception: Where an air handler that is integral to tested and listed HVAC equipment is
 1483 used to provide whole-house mechanical ventilation, the air handler shall be powered by an
 1484 electronically commutated motor."]

1485 [(27) In IRC, Section N1103.6.2 (R403.6.2), the table is deleted and replaced with the
 1486 following:

1487 "TABLE N1103.6.2 (R403.6.2)",

1488 MECHANICAL VENTILATION SYSTEM FAN EFFICACY]

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

1495 [(28) IRC, Section N1103.6.3 (R403.6.3) is deleted.]

1496 [(29) In IRC, Section N1103.7 (R403.7) the word "approved" is deleted in the first sentence
 1497 and the following is added after the word "methodologies": "complying with N1103.7.1
 1498 (R403.7.1)".]

1499 [(30) A new IRC, Section N1103.7.1 (R403.7.1) is added as follows:]

1500 ["N1103.7.1 Qualifications. An individual performing load calculations shall be
 1501 qualified by completing HVAC training from one of the following:

- 1502 1. HVAC load calculation education from ACCA;
- 1503 2. A recognized educational institution;
- 1504 3. HVAC equipment manufacturer's training; or
- 1505 4. Other recognized industry certification."]

1506 [(31) In IRC, Section N1104.1 (R404.1), the word "All" is replaced with "Not less than 90
 1507 percent of the lamps in".]

1508 [(32) IRC, Section N1104.1.1 (R404.1.1) is deleted.]

1509 [(33) IRC, Section N1104.2 (R404.2) is deleted.]

1510 [(34) IRC, Section N1104.3 (R404.3) is deleted.]

1511 [(35) In IRC, section N1105.2 (R405.2) the following changes are made:]

1512 [(a) In Subsection 3, the words "approved by the code official" are deleted; and]

- 1513 [(b) In Subsection 3, the following words are added at the end of the sentence: "when
1514 applicable and readily available".]
- 1515 ~~[(36) In IRC, Section N1106.3 (R406.3) "Building thermal envelope" is deleted, and
1516 replaced with]
1517 ["Building thermal envelope and on-site renewables. The proposed total building
1518 thermal envelope UA, which is the sum of U-factor times assembly area, shall be less
1519 than or equal to the building thermal envelope UA using the prescriptive U-factors from
1520 Table N1102.1.2 multiplied by 1.15 in accordance with Equation 11-4. The
1521 area-weighted maximum fenestration SHGC permitted in Climate Zones 0 through 3
1522 shall be: $0.30 \cdot U_A \cdot \text{Proposed design} = 1.15 \cdot U_A \cdot \text{Prescriptive reference design}$ (Equation
1523 11-4)."]~~
- 1524 ~~[(37) In IRC, Section N1106.3.1 (R406.3.1) is deleted.]~~
- 1525 ~~[(38) In IRC, Section N1106.3.2 (R403.3.2) is deleted.]~~
- 1526 ~~[(39) In IRC, Section N1106.4 (R406.4) the following changes are made:]~~
- 1527 ~~[(a) In the first sentence, the words "in accordance with Equation 11-5" are deleted and
1528 replaced with: "permitted to be calculated using the minimum total air exchange rate
1529 for the rated home (Q_{tot}) and for the index adjustment factor in accordance with
1530 Equation 11.5.";]~~
- 1531 ~~[(b) In equation 11-5, the words "Ventilation rate, CFM" are deleted and replaced with:
1532 " Q_{tot} "; and]~~
- 1533 ~~[(c) In the last sentence the number "5" is deleted and replaced with "15".]~~
- 1534 ~~[(40) In IRC N1106.5, in the column titled "ENERGY RATING INDEX" of Table R406.5,
1535 the following changes are made:]~~
- 1536 ~~[(a) In the row for "Climate Zone 3", "51" is deleted and replaced with "65";]~~
- 1537 ~~[(b) In the row for "Climate Zone 5", "55" is deleted and replaced with "69"; and]~~
- 1538 ~~[(c) In the row for "Climate Zone 6", "54" is deleted and replaced with "68".]~~
- 1539 ~~[(41) In IRC, Section N1108 (R408) is deleted.]~~
- 1540 ~~[(42)]~~ (3) In IRC, Chapter 11, is deleted and replaced with the following:
- 1541 "Chapter 11, Energy Efficiency (Revised)
- 1542 R1101.1 Scope. This chapter establishes minimum thermal-performance
- 1543 requirements for the building envelope of residential structures regulated by this code.
- 1544 R1101.2 General. The building envelope shall be constructed to limit heat loss and
- 1545 gain through its components by providing insulation values not less than those specified
- 1546 in this chapter.

1547 R1101.3 Compliance Paths. Compliance with this chapter shall be demonstrated
 1548 by one of the following methods:

1549 R1101.3.1 Prescriptive Compliance. The building thermal envelope shall meet or
 1550 exceed the minimum R-values and maximum U-factors in Section R1102.2.

1551 R1101.3.2 Performance Compliance. As an alternative to Section R1101.3.1,
 1552 compliance may be demonstrated using U.S. DOE REScheck, provided the proposed
 1553 design achieves an overall envelope performance not less than 5% above the current
 1554 Utah 2012 REScheck standard, as documented on the REScheck compliance certificate
 1555 or achieve a HERs rating of 67 or better.

1556 R1102.1 Building Thermal Envelope. The building thermal envelope shall include
 1557 exterior walls, roof/ceiling assemblies, floors over unconditioned spaces, windows,
 1558 doors, and other elements that enclose conditioned space.

1559 R1102.2 Minimum Thermal Resistance (R-Values) and U-Factors. Insulation for
 1560 each component of the building envelope shall meet or exceed the following minimum
 1561 R-values and U-factors:

| 1562 <u>Component</u> | <u>Minimum R-Value/ Maximum U-Factor</u> | <u>Notes</u> |
|--|--|---|
| 1563 <u>Above-grade exterior walls</u> | <u>R-21</u> | <u>Applies to all framed or masonry walls separating conditioned and unconditioned space or the exterior environment.</u> |
| 1564 <u>Ceilings / roof assemblies</u> | <u>R-38</u> | <u>Applies to the thermal boundary between conditioned space and unconditioned attic or exterior air.</u> |
| 1565 <u>Floors over unconditioned space</u> | <u>R-30</u> | <u>Includes floors over crawl spaces, garages, or open air.</u> |
| 1566 <u>Basement walls (conditioned basements)</u> | <u>R-10 continuous or R-13 cavity</u> | <u>Required for any portion of basement walls enclosing conditioned space.</u> |
| 1567 <u>Windows and glazed doors</u> | <u>Maximum U-factor = 0.32</u> | <u>Applies to all fenestration enclosing conditioned space.</u> |

| | | | |
|------|---------------------|-------------------------------|--|
| 1568 | <u>Skylights</u> | <u>Maximum U-factor = 1.3</u> | <u>Applies to all skylights over conditioned space.</u> |
| 1569 | <u>Opaque doors</u> | <u>Minimum U-factor = 0.6</u> | <u>Applies to solid doors separating conditioned and unconditioned spaces.</u> |

1570 R1102.2.1 Conversion for Imported Windows and Doors. A conversion factor of
 1571 5.678 shall be used to convert U-values expressed in SI units to IP units: $U(IP) = U(SI) /$
 1572 5.678.

1573 R1102.3 Installation. Insulation materials shall be installed in substantial contact
 1574 with the surface they are intended to insulate and in accordance with the manufacturer's
 1575 instructions. Compressed or poorly fitted insulation shall not be permitted where it
 1576 reduces effective thermal resistance.

1577 R1102.4 Verification. Compliance with the requirements of this chapter shall be
 1578 verified by inspection prior to the installation of interior finishes. No additional energy
 1579 modeling, trade-off analysis, or performance-based documentation shall be required.

1580 R1103 Mechanical Room Requirements. Mechanical rooms that receive
 1581 combustion air from unconditioned space shall be insulated and sealed to prevent
 1582 uncontrolled air infiltration. Such rooms shall:

1583 be separated from unconditioned spaces by an insulated thermal barrier equal
 1584 to the minimum wall R-value of R13; and

1585 be sealed to limit air leakage through joints, penetrations, and construction
 1586 openings with the air-sealing provisions.

1587 R1104 Duct System Testing and Insulation.

1588 R1104.1 Duct Leakage Testing. Duct systems located in unconditioned attics shall
 1589 be tested for total air leakage.

1590 R1104.1.1 Air Handler Installed at Time of Test. Where the air handler is installed
 1591 at the time of the leakage test, the total leakage shall be less than or equal to 6.0 cubic
 1592 feet per minute (170 L/min) per 100 square feet (9.29 m) of conditioned floor area.

1593 R1104.1.2 Air Handler Not Installed at Time of Test. Where the air handler is not
 1594 installed at the time of the test, the total leakage shall be less than or equal to 5.0 cubic
 1595 feet per minute (141 L/min) per 100 square feet (9.29 m) of conditioned floor area.

1596 R1104.2 Duct Insulation. Duct systems located outside conditioned space shall be
 1597 insulated to a minimum of R-8. Ducts buried beneath concrete floors do not require
 1598 insulation.

1599 R1104.1.3 Building Thermal Envelope Air Leakage Testing. The building thermal
 1600 envelope shall be tested to determine air leakage rate. Testing shall be conducted in
 1601 accordance with ASTM E779 or ASTM E1827. A written report of the results of the test
 1602 shall be signed by the party conducting the test and shall be provided to the code
 1603 official. Testing shall be performed at a pressure differential of 0.2 inch water gauge (50
 1604 Pascals).

1605 R1104.1.3.1 Mechanical Ventilation. Where the tested air leakage rate is not
 1606 greater than 3 air changes per hour, the dwelling unit shall be provided with
 1607 whole-house mechanical ventilation in accordance with Section M1505.

1608 R1104.1.3.2 Mechanical Ventilation as an Alternative. In lieu of the testing
 1609 required by Section R1104.1.3, the dwelling unit shall be provided with mechanical
 1610 ventilation in accordance with Section M1505.

1611 R1105 Building Thermal Envelope Air Leakage Testing. The building thermal
 1612 envelope shall be tested to determine air leakage rate. The maximum air leakage rate
 1613 shall not exceed 5.0 air changes per hour or 0.25 cubic feet per minute (CFM) per square
 1614 foot [0.00127 m³/(s x m²)] of dwelling unit enclosure area for single family
 1615 construction and 6.0 air changes per hour or 0.28 cubic feet per minute (CFM) per
 1616 square foot [0.0079 m³/(s x m²)] of dwelling unit enclosure area for multifamily
 1617 construction.

1618 Testing shall be conducted in accordance with ASTM E779 or ASTM E1827. A
 1619 written report of the results of the test shall be signed by the party conducting the test
 1620 and shall be provided to the code official. Testing shall be performed at a pressure
 1621 differential of 0.2 inch water gauge (50 Pascals).

1622 The following parties shall be approved to conduct testing: Parties certified by
 1623 BPI or RESNET, or licensed contractors who have completed training provided by
 1624 Blower Door Test equipment manufacturers or other comparable training.

1625 Exception to air leakage testing: Table R41105 may be used as an alternative to
 1626 conducting air leakage testing.

1627 Table R41105: Air Barrier, Air Sealing, and Insulation Installation Checklist

1628 Insulation and air barriers installed in accordance with manufacturers instructions.

1629 Air-permeable insulation (fiberglass, rock-wool, cellulose) is not used for air sealing.

1630 Closed-cell foam is the only insulation that also serves as an air barrier.

1631 Continuous air barrier installed at the building thermal envelope. Breaks & joints sealed.

| | |
|------|---|
| 1632 | <u>Dropped ceilings/soffits, shafts, and chases shall be capped with an air barrier lid and sealed (attic insulation does not drop down into soffits).</u> |
| 1633 | <u>Walls shall be framed to allow insulation in corners and in headers.</u> |
| 1634 | <u>Wall insulation shall be enclosed on 6 sides. Includes an air barrier, backside of knee-walls.</u> |
| 1635 | <u>Wall batt insulation shall be cut all pipes, wiring and boxes in cavity (recommend blown insulation).</u> |
| 1636 | <u>All gaps and voids sealed between conditioned and un-conditioned spaces, including garages, crawlspaces, around windows and doors, and all penetrations.</u> |
| 1637 | <u>Rim joist insulation shall include a sealed air barrier on the inside face of insulation, or closed cell spray foam.</u> |
| 1638 | <u>Floor insulation in contact with sheathing/lid below. Air barrier underside of cantilevers. Fill floor cavities rooms over garages.</u> |
| 1639 | <u>Recessed can lights, boxes and HVAC boots penetrating the thermal envelope shall be sealed.</u> |
| 1640 | <u>Air barrier behind electrical boxes or closed cell foam, caulk, gaskets, or air sealed boxes.</u> |
| 1641 | <u>Exterior walls adjacent to fireplaces, tubs, showers shall include an inside surface air barrier."</u> |

- 1642 (4) In IRC, Section M1401.3 the word "approved" is deleted in the first sentence and the
 1643 following is added after the word "methodologies[-] , "[;]" "complying with M1401.3.1."[-]
 1644 [(43)] (5) A new IRC, Section M1401.3.1, is added as follows:
 1645 "M1401.3.1 Qualifications. An individual performing load calculations shall be qualified
 1646 by completing HVAC training from one of the following:
 1647 1. HVAC load calculation education from ACCA;
 1648 2. A recognized educational institution;
 1649 3. HVAC equipment manufacturer's training; or
 1650 4. Other recognized industry certification."

- 1651 [(44)] (6) In IRC, Section M1402.1, the following is added at the end of the second
 1652 sentence: "or UL/CSA 60335-2-40."

- 1653 [(45)] (7) In IRC, Section M1403.1, the characters "/ANCE" are deleted.

- 1654 [(46)] (8) IRC, Section M1411.9, is deleted.

- 1655 [(47)] (9) In IRC, Section M1412.1, the characters "/ANCE" are deleted.

- 1656 [(48)] (10) In IRC, Section M1413.1, the characters "/ANCE" are deleted.

1657 Section 12. Section **15A-3-204** is amended to read:

1658 **15A-3-204 (Effective 07/01/26). Amendments to Chapters 16 through 25 of IRC.**

- 1659 (1) In IRC, Section M1602.2, a new exception is added at the end of Item 7 as follows:

1660 "Exception: The discharge of return air from an accessory dwelling unit into
1661 another dwelling unit, or into an accessory dwelling unit from another dwelling unit, is
1662 not prohibited." _

1663 (2) A new IRC, Section G2401.2, is added as follows:

1664 "G2401.2 Meter Protection. Fuel gas services shall be in an approved location
1665 and/or provided with structures designed to protect the fuel gas meter and surrounding
1666 piping from physical damage, including falling, moving, or migrating ice and snow. If
1667 an added structure is used, it [~~must~~] shall provide access for service and comply with the
1668 IBC or the IRC."

1669 (3) In IRC, Section 2503.5.1, #2 Air Test is deleted and replaced with the following:

1670 "Where water is not available at the construction site or where freezing conditions
1671 limit the use of water on the construction site, plastic drainage and vent pipe may be
1672 permitted to be tested with air. The following procedures shall be followed:

- 1673 (a) Proper personal protective equipment, including safety eyewear and protective
1674 headgear, should be worn by all individuals in any area where an air or gas test is
1675 being conducted.
- 1676 (b) Contractor shall take all precautions necessary to limit the pressure within the plastic
1677 piping.
- 1678 (c) No drain and vent system shall be pressurized in excess of 6 psi as measured by
1679 accurate gauges graduated to no more than three times the test pressure.
- 1680 (d) The pressure gauge shall be monitored during the test period, which should not
1681 exceed 15 minutes.
- 1682 (e) At the conclusion of the test, the system shall be depressurized gradually, all trapped
1683 air or gases should be vented, and test balls and plugs should be removed with
1684 caution."

1685 (4) In IRC, Section P2503.8, the word "devices" is deleted and replaced with the word
1686 "assemblies."

1687 (5) IRC, Section P2503.8.2, is deleted and replaced with the following:

1688 "P2503.2 Testing. Reduced pressure principle, double check, pressure vacuum
1689 breaker, reduced pressure detector fire protection, double check detector fire protections,
1690 and spill-resistant vacuum breaker backflow preventer assemblies shall be tested at the
1691 time of installation, immediately after repairs or relocation and at least annually. The [
1692 ~~Utah Cross-Connection Control Commission~~] Utah Division of Drinking Water has
1693 adopted the field test procedures published by the Manual of Cross Connection Control,

1694 Tenth Edition. This manual is published by the University of Southern California's
1695 Foundation for Cross-Connection Control and Hydraulic Research. Test gauges shall
1696 comply with ASSE 1064."

1697 Section 13. Section **15A-3-205** is amended to read:

1698 **15A-3-205 (Effective 07/01/26). Amendments to Chapters 26 through 35 of IRC.**

1699 (1) IRC, Section P2602.1, is deleted and replaced with the following:

1700 "P2602.1 General. The water-distribution system of any building or premises where
1701 plumbing fixtures are installed shall be connected to a public water supply. Where a potable
1702 public water supply is not available, individual sources of potable water supply shall be
1703 utilized provided that the source has been developed in accordance with Utah Code Sections
1704 73-3-1, 73-3-3, and 73-3-25, as administered by the Department of Natural Resources,
1705 Division of Water Rights. In addition, the quality of the water shall be approved by the local
1706 health department having jurisdiction. The source shall supply sufficient quantity of water to
1707 comply with the requirements of this chapter.

1708 Every building in which plumbing fixtures are installed and all premises having drainage
1709 piping shall be connected to a public sewer where the sewer is accessible and is within 300
1710 feet of the property line in accordance with Utah Code Section 10-8-38, or an approved private
1711 sewage disposal system in accordance with Utah Administrative Code, Rule R317-4, as
1712 administered by the Department of Environmental Quality, Division of Water Quality.

1713 Exception: Sanitary drainage piping and systems that convey only the discharge from
1714 bathtubs, showers, lavatories, clothes washers, and laundry trays shall not be required to
1715 connect to a public sewer or to a private sewage disposal system provided that the piping or
1716 systems are connected to a system in accordance with Sections P2910 or P2911."

1717 (2) A new IRC, Section P2602.3, is added as follows:

1718 "P2602.3 Individual water supply. Where a potable public water supply is not
1719 available, individual sources of potable water supply shall be utilized, provided that the
1720 source has been developed in accordance with Utah Code, Sections 73-3-1 and 73-3-25,
1721 as administered by the Department of Natural Resources, Division of Water Rights. In
1722 addition, the quality of the water shall be approved by the local health department
1723 having jurisdiction."

1724 (3) A new IRC, Section P2602.4, is added as follows:

1725 "P2602.4 Sewer required. Every building in which plumbing fixtures are installed and
1726 all premises having drainage piping shall be connected to a public sewer where the sewer is
1727 accessible and is within 300 feet of the property line in accordance with Utah Code, Section

- 1728 10-8-38; or an approved private sewage disposal system in accordance with Utah
1729 Administrative Code,
1730 Chapter 4, Rule R317, as administered by the Department of Environmental Quality,
1731 Division of Water Quality."
- 1732 (4) In IRC, Section P2705, Item 5, the words "lavatory" and "lavatories" are deleted.
- 1733 (5) In IRC, Section P2705, a new Item 9 is added as follows and the remaining item
1734 numbers are renumbered accordingly:
- 1735 "9. Lavatories. A lavatory shall not be set closer than 12 inches from its center to
1736 any side wall or partition. A lavatory shall be provided with a clearance of 24 inches in
1737 width and 21 inches in depth in front of the lavatory to any side wall, partition, or
1738 obstruction." [~~Remaining item numbers are renumbered accordingly.~~]
- 1739 (6) In IRC, Section P2801.6.2, the following is added at the end of the section:
- 1740 "When permitted by the code official, the pan drain may be directly connected to a
1741 soil stack, waste stack, or branch drain. The pan drain shall be individually trapped and
1742 vented as required in Section 907.1. The pan drain shall not be directly or indirectly
1743 connected to any vent. The trap shall be provided with a trap primer conforming to
1744 ASSE 1018 or ASSE 1044, a barrier type floor drain trap seal protection device meeting
1745 ASSE 1072, or a deep seal p-trap."
- 1746 (7) A new IRC, Section P2801.6.3, is added as follows:
- 1747 "P2801.6.3 Pan designation. A water heater pan shall be considered an emergency
1748 receptor designated to receive the discharge of water from the water heater only and
1749 shall not receive the discharge from any other fixtures, devices, or equipment."
- 1750 (8) IRC, Section P2801.8, is deleted and replaced with the following:
- 1751 "P2801.8 Water heater seismic bracing. As a minimum requirement, water heaters
1752 shall be anchored or strapped to resist horizontal displacement caused by earthquake
1753 motion. Strapping shall be at points within the upper one-third and lower one-third of
1754 the appliance's vertical dimensions.
- 1755 (9) In IRC, Section P2804.6.1, a new number 15 is added as follows:
- 1756 "15. Be installed in accordance with the manufacturer's installation instructions, not
1757 to exceed 180 degrees in directional changes."
- 1758 (10) A new IRC, Section P2902.1.1, is added as follows:
- 1759 [-]"P2902.1.1 Backflow assembly testing. Reduced pressure principle, double
1760 check, pressure vacuum breaker, reduced pressure detector fire protection, double check
1761 detector fire protection, and spill-resistant vacuum breaker backflow preventer

1762 assemblies shall be tested at the time of installation, immediately after repairs or
1763 relocation and at least annually. The Utah [~~Cross-Connection Control Commission~~]
1764 Division of Drinking Water has adopted the field test procedures published by the
1765 Manual of Cross Connection Control, Tenth Edition. This manual is published by the
1766 University of Southern California's Foundation for Cross-Connection Control and
1767 Hydraulic Research. Test gauges shall comply with ASSE 1064."

1768 (11) In IRC, Section P2902.1, the following subsections are added as follows:

1769 "P2902.1.1 General Installation Criteria.

1770 Assemblies shall not be installed more than five feet above the floor unless a permanent
1771 platform is installed. The assembly owner, where necessary, shall provide devices or
1772 structures to facilitate testing, repair, and maintenance, and to insure the safety of the backflow
1773 technician.

1774 P2902.1.2 Specific Installation Criteria.

1775 P2902.1.3 Reduced Pressure Principle Backflow Prevention Assembly.

1776 The reduced pressure principle backflow prevention assembly shall be installed as
1777 follows:

1778 a. The assembly may not be installed in a pit or below grade where the relief port could
1779 be submerged in water or where fumes could be present at the relief port discharge.

1780 b. The relief valve of the assembly shall not be directly connected to a waste disposal
1781 line, including a sanitary sewer, a storm drain, or a vent.

1782 c. The assembly shall be installed in a horizontal position only, unless listed or approved
1783 for vertical installation in accordance with Section 303.4 of the International Plumbing Code
1784 as amended in Utah Code, Subsection 15A-3-303(1).

1785 d. The bottom of the assembly shall be installed a minimum of 12 inches above the floor
1786 or ground.

1787 e. The body of the assembly shall be a minimum of 12 inches from any wall, ceiling, or
1788 obstacle, and shall be readily accessible for testing, repair, and maintenance.

1789 P2902.1.4 Double Check Valve Backflow Prevention Assembly.

1790 A double check valve backflow prevention assembly shall be installed as follows:

1791 a. The assembly shall be installed in a horizontal position only, unless listed or approved
1792 for vertical installation.

1793 b. The bottom of the assembly shall be a minimum of 12 inches above the ground or
1794 floor.

1795 c. The body of the assembly shall be a minimum of 12 inches from any wall, ceiling, or

1796 obstacle, and shall be readily accessible for testing, repair, and maintenance.

1797 d. If installed in a pit, the assembly shall be installed with a minimum of 12 inches of
1798 clearance between all sides of the vault, including the floor and roof or ceiling, with adequate
1799 room for testing and maintenance.

1800 P2902.1.5 Pressure Vacuum Break Assembly and Spill Resistant Pressure Vacuum
1801 Breaker Assembly.

1802 A pressure vacuum break assembly or a spill resistant pressure vacuum breaker
1803 assembly shall be installed as follows:

1804 a. The assembly shall not be installed in an area that could be subject to backpressure or
1805 back drainage conditions.

1806 b. The assembly shall be installed a minimum of 12 inches above all downstream piping
1807 and the highest point of use.

1808 c. The assembly shall be a minimum of 12 inches from any wall, ceiling, or obstacle,
1809 and shall be readily accessible for testing, repair, and maintenance.

1810 d. The assembly shall not be installed below ground, in a vault, or in a pit.

1811 e. The assembly shall be installed in a vertical position."

1812 (12) In IRC, Table 2903.2, the following changes are made in the column titled
1813 "MAXIMUM FLOW RATE OR QUANTITY":

1814 (a) In the row titled "Lavatory faucet" the text is deleted and replaced with "1.5 gpm at
1815 60 psi."[-]

1816 (b) In the row titled "Shower head" the text is deleted and replaced with "2 gpm at 80 psi.
1817 "[-]

1818 (13) In IRC, Section P2903.3, the words "public water main or an" are deleted and the
1819 following sentence is added at the end:

1820 "A water pressure booster pump may not be connected to a public water main
1821 unless allowed by Utah Administrative Code, Rule R309-540."

1822 (14) In IRC, Section 2903.5, at the beginning of the second sentence, insert "If installed,".

1823 (15) In IRC, Section P2903.9.3, the first sentence is deleted and replaced with the
1824 following:

1825 "Unless the plumbing appliance or plumbing fixture has a wall-mount valve,
1826 shutoff valves shall be required on each fixture supply pipe to each plumbing appliance
1827 and to each plumbing fixture other than bathtubs and showers."

1828 (16) IRC, Section P2910.5, is deleted and replaced with the following:

1829 "P2910.5 Potable water connections.

1830 A system that utilizes nonpotable water (i.e., pressurized irrigation) and installs a
 1831 connection to the potable water system for backup [~~must~~] shall install a Reduced Pressure
 1832 Principle Assembly (RP) directly downstream of the potable water connection (Stop and
 1833 Waste) and install a "dual source connection" directly downstream from the (RP) installed so
 1834 that either the potable water system or the nonpotable water is connected at any time to prevent
 1835 a direct Cross Connection and to protect the potable water from any potential hazard from the
 1836 nonpotable water system. See Utah Code Section 19-4-112. Note: RP [~~must~~] shall be tested
 1837 within 10 days of installation and annually whether the drinking water is used or not."

1838 (17) IRC, Section P2910.9.5, is deleted and replaced with the following:

1839 "P2910.9.5 Makeup water.

1840 Where an uninterrupted nonpotable water supply is required for the intended application,
 1841 potable or reclaimed water shall be provided as a source of makeup water for the storage tank.
 1842 The makeup water supply shall be protected against backflow by means of an air gap not less
 1843 than [4] four inches (102 millimeters) above the overflow or by a reduced pressure backflow
 1844 prevention assembly installed in accordance with Section 2902."

1845 (18) In IRC, Section P2911.12.4, the following words are deleted: "and backwater valves."

1846 (19) In IRC, Section P2912.15.6, the following words are deleted: "and backwater valves."

1847 (20) In IRC, Section P3007.3.3.1, the words "stainless steel, cast iron, galvanized steel,
 1848 brass" are added after the word "PE."

1849 (21) IRC, Section P3009, is deleted and replaced with the following:

1850 "P3009 Graywater soil absorption systems: Graywater recycling systems utilized for
 1851 subsurface irrigation for single-family residences shall comply with the requirements of Utah
 1852 Administrative Code, R317-401, Graywater Systems. Graywater recycling systems utilized for
 1853 subsurface irrigation for other occupancies shall comply with Utah Administrative Code,
 1854 R317-3, Design Requirements for Wastewater Collection, Treatment, and Disposal Systems,
 1855 and Utah Administrative Code, R317-4, Onsite Wastewater Systems."

1856 (22) In IRC, Section P3101.4, the following sentence is added at the end of the paragraph:

1857 "Vents extending through the wall shall terminate not less than 12 inches from the
 1858 wall with an elbow pointing downward."

1859 (23) In IRC, Section P3104.4, the following sentence is added at the end of the paragraph:

1860 "Horizontal dry vents below the flood level rim shall be permitted for floor drain
 1861 and floor sink installations when installed below grade in accordance with Chapter 30,
 1862 and Sections P3104.2 and P3104.3. A wall cleanout shall be provided in the vertical
 1863 vent."

1864 (24) In IRC, Section E3401.2, the second sentence is modified by adding the words
1865 "townhouses"[,] after the word "dwellings" and the word "their" before the word
1866 "accessory" and the following is added after "NFPA 70", "such as, but not limited to the
1867 following equipment:
1868 (a) fixed outdoor electric deicing and snow-melting equipment;
1869 (b) motors;
1870 (c) generators;
1871 (d) transformers;
1872 (e) phase converters;
1873 (f) stationary standby batteries;
1874 (g) elevators;
1875 (h) dumbwaiters;
1876 (i) platform lifts;
1877 (j) stairway chairlifts;
1878 (k) electric vehicle power transfer systems;
1879 (l) electric welders;
1880 (m) audio signal processing, amplification, and reproduction equipment;
1881 (n) information technology equipment;
1882 (o) solar photovoltaic (PV) systems;
1883 (p) optional standby systems;
1884 (q) interconnected electric power production sources;
1885 (r) energy storage systems; and
1886 (s) energy management systems."

1887 Section 14. Section **15A-3-302** is amended to read:

1888 **15A-3-302 (Effective 07/01/26). Amendments to Chapters 1 and 2 of IPC.**

1889 (1) In IPC, Section 202, the following definition is added:

1890 "Utah Certified Backflow Preventer Assembly Tester. A person who has shown
1891 competence to test Backflow prevention assemblies to the satisfaction of the authority
1892 having jurisdiction under Utah Code, Subsection 19-4-104(4) and Utah Administrative
1893 Code, R309-305."

1894 (2) In IPC, Section 202, the definition for "Cross Connection" is deleted and replaced with
1895 the following:

1896 "Cross Connection. Any physical connection or potential connection or
1897 arrangement between two otherwise separate piping systems, one of which contains

1898 potable water and the other either water of unknown or questionable safety or steam,
 1899 gas, or chemical, whereby there exists the possibility for flow from one system to the
 1900 other, with the direction of flow depending on the pressure differential between the two
 1901 systems (see "Backflow")."

1902 (3) In IPC, Section 202, the following definition is added:

1903 "Deep Seal Trap. A manufactured or field fabricated trap with a liquid seal of 4"
 1904 or larger."

1905 (4) In IPC, Section 202, the definition for "Essentially Nontoxic Transfer Fluid" is deleted and
 1906 replaced with the following:

1907 "ESSENTIALLY NONTOXIC TRANSFER FLUID. Fluids, including propylene
 1908 glycol and mineral oil."

1909 (5) In IPC, Section 202, the definition for "Essentially Toxic Transfer Fluid" is deleted and
 1910 replaced with the following:

1911 "ESSENTIALLY TOXIC TRANSFER FLUID. Soil, waste, or gray water; and any
 1912 fluid that is not an essentially nontoxic transfer fluid under this code."

1913 (6) In IPC, Section 202, the following definition is added:

1914 "Motor Vehicle Waste Disposal Well. An injection well that discharges to the
 1915 subsurface by way of a floor drain, septic system, French drain, dry well, or similar
 1916 system that receives or has received fluid from a facility engaged in vehicular repair or
 1917 maintenance activities, including an auto body repair shop, automotive repair shop, new
 1918 and used car dealership, speciality repair shop, or any other facility that does any
 1919 vehicular repair work. A motor vehicle waste disposal well is subject to rulemaking
 1920 under Section 19-5-104 regarding underground injection."

1921 (7) In IPC, Section 202, the definition for "Potable Water" is deleted and replaced with the
 1922 following:

1923 "Potable Water. Water free from impurities present in amounts sufficient to cause
 1924 disease or harmful physiological effects and conforming to the Utah Code, Title 19,
 1925 Chapter 4, Safe Drinking Water Act, and Title 19, Chapter 5, Water Quality Act, and the
 1926 regulations of the public health authority having jurisdiction."

1927 (8) In IPC, Section 202, the following definition is added for [~~Dual Source Connection~~] dual
 1928 source connection:

1929 "[~~Dual Source Connection~~] DUAL SOURCE CONNECTION. A pipe that is
 1930 installed so that either the nonpotable (i.e. secondary) irrigation water or the potable
 1931 water is connected to a pressurized irrigation system at one time, but not both at the

1932 same time; or a pipe that is installed so that either the potable water or private well water
 1933 is connected to a residence at one time, not both at the same time. The potable water
 1934 supply line shall be protected by a reduced pressure backflow preventer."

1935 (9) In IPC, Section 202, the definition for individual water supply is deleted and replaced
 1936 with the following:

1937 "INDIVIDUAL WATER SUPPLY. A water supply that is not served by a Public
 1938 Water System, as defined by Utah Administrative Code, R309-100."

1939 (10) In IPC, Section 202, the definition for public water main is deleted and replaced with
 1940 the following:

1941 "PUBLIC WATER MAIN. A water supply pipe owned by a Public Water System, as
 1942 defined in Utah Administrative Code, R309-100."

1943 (11) In IPC, Section 202, the following definition is added for public water supply:

1944 "PUBLIC WATER SUPPLY. A water supply that is served by a Public Water
 1945 System, as defined in Utah Administrative Code, R309-100."

1946 Section 15. Section **15A-3-303** is amended to read:

1947 **15A-3-303 (Effective 07/01/26). Amendments to Chapter 3 of IPC.**

1948 (1) In IPC, Section 303.4, the following exception is added:

1949 "Exception: Third-party standards and certification for approval of backflow prevention
 1950 assemblies [with] shall consist of any combination of two [certifications, laboratory or field.
 1951 Acceptable third party laboratory certifying agencies are ASSE, IAPMO, and USC-FCCCHR.
 1952 USC-FCCCHR currently provides the only field testing of backflow protection assemblies.]
 1953 approvals from a third-party laboratory, and a recognized listed organization that performs a
 1954 laboratory performance evaluation and a one-year field performance evaluation. Also see
 1955 www.drinkingwater.utah.gov and Division of Drinking Water Rule, Utah Administrative
 1956 Code, R309-105-12(4)."

1957 [~~2) IPC, Section 311.1, is deleted.~~]

1958 [~~3)~~ (2) In IPC, Section 306.2.4, the following sentence is added after the last sentence:

1959 "Access shall be provided to the tracer wire at both ends or both ends of the tracer
 1960 wire shall be terminated at the cleanout."

1961 (3) In IPC, Section 312.3, the following is added at the end of the paragraph:

1962 "Where water is not available at the construction site or where freezing conditions limit
 1963 the use of water on the construction site, plastic drainage and vent pipe may be permitted to be
 1964 tested with air. The following procedures shall be followed:

1965 1. Contractor shall recognize that plastic is extremely brittle at lower temperatures and

1966 can explode, causing serious injury or death.

1967 2. Contractor assumes all liability for injury or death to persons or damage to property
1968 or for claims for labor and/or material arising from any alleged failure of the system during
1969 testing with air or compressed gasses.

1970 3. Proper personal protective equipment, including safety eyewear and protective
1971 headgear, should be worn by all individuals in any area where an air or gas test is being
1972 conducted.

1973 4. Contractor shall take all precautions necessary to limit the pressure within the plastic
1974 piping.

1975 5. No drain and vent system shall be pressurized in excess of 6 psi as measured by
1976 accurate gauges graduated to no more than three times the test pressure.

1977 6. The pressure gauge shall be monitored during the test period, which should not
1978 exceed 15 minutes.

1979 7. At the conclusion of the test, the system shall be depressurized gradually, all trapped
1980 air or gases should be vented, and test balls and plugs should be removed with caution."

1981 (4) In IPC, [~~Section 312.5~~] Section 312.6, the following is added at the end of the paragraph:

1982 "Where water is not available at the construction site or where freezing conditions limit
1983 the use of water on the construction site, plastic water pipes may be permitted to be tested with
1984 air. The following procedures shall be followed:

1985 1. Contractor shall recognize that plastic is extremely brittle at lower temperatures and
1986 can explode, causing serious injury or death.

1987 2. Contractor assumes all liability for injury or death to persons or damage to property
1988 or for claims for labor and/or material arising from any alleged failure of the system during
1989 testing with air or compressed gasses.

1990 3. Proper personal protective equipment, including safety eyewear and protective
1991 headgear, should be worn by all individuals in any area where an air or gas test is being
1992 conducted.

1993 4. Contractor shall take all precautions necessary to limit the pressure within the plastic
1994 piping.

1995 5. Water supply systems shall be pressure tested to a minimum of 50 psi but not more
1996 than 80 psi as measured by accurate gauges graduated to no more than three times the test
1997 pressure.

1998 6. The pressure gauge shall be monitored during the test period, which should not
1999 exceed 15 minutes.

- 2000 7. At the conclusion of the test, the system shall be depressurized gradually, all trapped
2001 air or gases should be vented, and test balls and plugs should be removed with caution."
- 2002 (5) IPC, [~~Section 312.10.2~~] Section 312.11.2, is deleted and replaced with the following:
- 2003 "~~[312.10.2]~~ 312.11.2 Testing. Reduced pressure principle, double check, pressure
2004 vacuum breaker, reduced pressure detector fire protection, double check detector fire
2005 protection, and spill-resistant vacuum breaker backflow preventer assemblies shall be tested at
2006 the time of installation or within 10 days of being placed into service, immediately after repairs
2007 or relocation and at least annually. The [~~Utah Cross Connection Control Commission~~] Utah
2008 Division of Drinking Water has adopted the field test procedures published by the Manual of
2009 Cross-Connection Control, Tenth Edition. This manual is published by the University of
2010 Southern California's Foundation for Cross-Connection Control and Hydraulic Research. Test
2011 gauges shall comply with ASSE 1064."
- 2012 (6) A new IPC, [~~Section 312.10.3~~] Section 312.11.3, is added as follows:
- 2013 "~~[312.10.3]~~ 312.11.3 Tester Qualifications. Testing shall be performed by a Utah
2014 Certified Backflow Assembly Tester in accordance with Utah Administrative Code,
2015 R309-305."
- 2016 Section 16. Section **15A-3-304** is amended to read:
- 2017 **15A-3-304 (Effective 07/01/26). Amendments to Chapter 4 of IPC.**
- 2018 (1) In IPC, Table 403.1, the following changes are made:
- 2019 (a) In row number "3", for in the field for "OTHER", a new footnote h is added.
- 2020 (b) In row number "5", for "Adult day care and child day care" occupancy, in the field
2021 for "OTHER", a new footnote h is added.
- 2022 (c) Footnote f is deleted and replaced with the following: "FOOTNOTE f: The required
2023 number and type of plumbing fixtures for outdoor public swimming pools shall be in
2024 accordance with Utah Administrative Code, R392-302, Design, Construction and
2025 Operation of Public Pools."
- 2026 (d) A new footnote g is added as follows:
- 2027 "FOOTNOTE^[3] g: When provided, in public toilet facilities, there shall be an
2028 equal number of diaper changing facilities in male toilet rooms and female toilet
2029 rooms. Diaper changing facilities shall meet the requirements of ASTM F2285-04
2030 (2010) Standard Consumer Safety Performance Specifications for Diaper Changing
2031 Tables for Commercial Use."
- 2032 (e) A new footnote h is added to the table as follows:
- 2033 [-]"FOOTNOTE h: Non-residential child care facilities shall comply with the

2034 additional sink requirements of Utah Administrative Code, R381-60-9, Hourly Child
 2035 Care Centers, R381-70-9, Out of School Time Child Care Programs, and
 2036 R381-100-9, Child Care Centers."

2037 (2) In IPC, Section 403.1.1, Exception 2 is deleted and replaced with the following:

2038 "2. Where multiple-user facilities are designed to serve all genders, the following
 2039 shall apply:

2040 2.1. The maximum fixture count to serve all genders shall be calculated at 50% of the
 2041 total occupant load. The maximum fixture count for the multiple user all gender facility
 2042 shall be calculated at 50% female and 50% male.

2043 2.2 The remaining 50% of the required restroom fixtures shall be provided as
 2044 required by Table 403.1."

2045 [~~2~~] (3) In IPC, Section 405.3.4, the following sentence is added after the first sentence:

2046 "For facilities designed for use by all genders in the same room, the partitions of
 2047 the stalls shall extend from the floor to the ceiling."

2048 [~~3~~] (4) In IPC, Section 405.3.5, the following sentence is added at the end of the first
 2049 paragraph:

2050 "For facilities designed for use by all genders in the same room, the partitions of
 2051 the stalls shall extend from the floor to the ceiling."

2052 [~~4~~] (5) A new IPC, Section 406.3, is added as follows:

2053 "406.3 Automatic clothes washer safe pans. Safe pans, when installed under
 2054 automatic clothes washers, shall be installed in accordance with Section 504.7."

2055 (6) In IPC, Section 412.2, the following is added at the end of the sentence: "-2020."

2056 [~~5~~] (7) A new IPC, Section 413.5, is added as follows:

2057 "413.5 Public toilet rooms. All public toilet rooms shall be equipped with at least
 2058 one floor drain."

2059 [~~6~~] (8) A new IPC, Section 413.6, is added as follows:

2060 "Prohibition of motor vehicle waste disposal wells. New and existing motor
 2061 vehicle waste disposal wells are prohibited. A motor vehicle waste disposal well
 2062 associated with a single family residence is not subject to this prohibition."

2063 [~~7~~] (9) IPC, Section 423.3, is deleted.

2064 Section 17. Section **15A-3-306** is amended to read:

2065 **15A-3-306 (Effective 07/01/26). Amendments to Chapter 6 of IPC.**

2066 (1) IPC, Section 602.3, is deleted and replaced with the following:

2067 "602.3 Individual water supply. Where a potable public water supply is not

- 2068 available, individual sources of potable water supply shall be utilized provided that the
2069 source has been developed in accordance with Utah Code, Sections 73-3-1, 73-3-3, and
2070 73-3-25, as administered by the Department of Natural Resources, Division of Water
2071 Rights. In addition, the quality of the water shall be approved by the local health
2072 department having jurisdiction. The source shall supply sufficient quantity of water to
2073 comply with the requirements of this chapter."
- 2074 (2) IPC, Sections 602.3.1, 602.3.2, 602.3.3, 602.3.4, 602.3.5, and 602.3.5.1, are deleted.
- 2075 (3) In IPC, Table 604.4, the following changes are made in the column titled "MAXIMUM
2076 FLOW RATE OR QUANTITY":
- 2077 (a) In the row titled "Lavatory, private" the text is deleted and replaced with "1.5 gpm at
2078 60 psi."[-]
- 2079 (b) In the row titled "Shower head" the text is deleted and replaced with "2 gpm at 80 psi.
2080 "[-]
- 2081 (c) In the row titled "Urinal" the text is deleted and replaced with "0.5 gallon per
2082 flushing cycle."[-]
- 2083 (4) A new IPC, Section 604.4.1, is added as follows:
- 2084 "604.4.1 Manually operated metering faucets for food service establishments.
2085 Self closing or manually operated metering faucets shall provide a flow of water for at
2086 least 15 seconds without the need to reactivate the faucet."
- 2087 (5) IPC, Section 606.5, is deleted and replaced with the following:
- 2088 "606.5 Water pressure booster systems. Water pressure booster systems shall be
2089 provided as required by Section 606.5.1 through 606.5.11."
- 2090 (6) In IPC, Section 606.5.1, the words "public water main or" are deleted.
- 2091 (7) A new IPC, Section 606.5.11, is added as follows:
- 2092 "606.5.11 Water pressure booster pumps connected to a public water main. A
2093 water pressure booster pump shall not be connected to a public water main unless
2094 allowed by Utah Administrative Code, Rule R309-540."
- 2095 (8) In IPC, Section 608.1, the words "and pollution" are added after the word
2096 "contamination."
- 2097 (9) In IPC, Section 608.1, the following subsections are added as follows:
- 2098 "608.1.1 General Installation Criteria.
2099 An assembly shall not be installed more than five feet above the floor unless a
2100 permanent platform is installed. The assembly owner, where necessary, shall provide devices
2101 or structures to facilitate testing, repair, and maintenance and to insure the safety of the

2102 backflow technician.

2103 608.1.2 Specific Installation Criteria.

2104 608.1.2.1 Reduced Pressure Principle Backflow Prevention Assembly.

2105 A reduced pressure principle backflow prevention assembly shall be installed as follows:

2106 a. The assembly shall not be installed in a pit or below grade where the relief port could
2107 be submerged in water or where fumes could be present at the relief port discharge.

2108 b. The relief valve of the assembly shall not be directly connected to a waste disposal
2109 line, including a sanitary sewer, storm drain, or vent.

2110 c. The assembly shall be installed in a horizontal position, unless the assembly is listed
2111 or approved for vertical installation in accordance with Section 303.4.

2112 d. The bottom of each assembly shall be installed a minimum of 12 inches above the
2113 ground or the floor.

2114 e. The body of the assembly shall be a minimum of 12 inches from any wall, ceiling, or
2115 obstacle, and shall be readily accessible for testing, repair, and maintenance.

2116 608.1.2.2 Double Check Valve Backflow Prevention Assembly.

2117 A double check valve backflow prevention assembly shall be installed as follows:

2118 a. The assembly shall be installed in a horizontal position unless the assembly is listed or
2119 approved for vertical installation.

2120 b. The bottom of the assembly shall be a minimum of 12 inches above the ground or the
2121 floor.

2122 c. The body of the assembly shall be a minimum of 12 inches from any wall, ceiling, or
2123 obstacle, and shall be readily accessible for testing, repair, and maintenance.

2124 d. If installed in a pit, the assembly shall be installed with a minimum of 12 inches of
2125 clearance around all sides of the vault, including the floor and roof or ceiling, with adequate
2126 room for testing and maintenance.

2127 608.1.2.3 Pressure Vacuum Breaker Assembly and Spill Resistant Pressure Vacuum
2128 Breaker Assembly.

2129 A pressure vacuum breaker assembly and spill resistant pressure vacuum breaker
2130 assembly shall be installed as follows:

2131 a. The assembly shall not be installed in an area that could be subject to backpressure or
2132 back drainage conditions.

2133 b. The assembly shall be installed a minimum of 12 inches above all downstream piping
2134 and the highest point of use.

2135 c. The assembly shall be a minimum of 12 inches from any wall, ceiling, or obstacle,

2136 and shall be readily accessible for testing, repair, and maintenance.

2137 d. The assembly shall not be installed below ground or in a vault or pit.

2138 e. The assembly shall be installed in a vertical position."

2139 (10) In Table 608.1, under Backflow preventer plumbing devices, the following is added:

| | | | |
|--------------------------|---------------------------|--|---------------------------------------|
| <u>Hand-held Showers</u> | <u>High or Low Hazard</u> | <u>Backpressure or Backsiphonage</u> | <u>ASME 112.18.3 or ASSE 1014</u> |
|--------------------------|---------------------------|--|---------------------------------------|

2141 [(10)] (11) In IPC, Section 608.3, the word "and" before the word "contamination" is deleted
 2142 and replaced with a comma and the words "[-]or pollution" are added after the word
 2143 "contamination" in the first sentence.

2144 [(11)] (12) In IPC, Section 608.6, the words "with the potential to create a condition of
 2145 either contamination or pollution or" are added after the word "substances."

2146 [(12)] (13) In IPC, Section 608.7, the following sentence is added at the end of the
 2147 paragraph:

"Any connection between potable water piping and sewer-connected waste shall
 2149 be protected by an air gap in accordance with Section 608.14.1."

2150 [(13)] (14) IPC, Section 608.8, is deleted and replaced with the following:

[~~" 608.8 Stop and Waste Valves~~] "608.8 Stop-and-waste valves installed below
 2152 grade. Combination stop-and-waste valves shall be permitted to be installed
 2153 underground or below grade. Freeze proof yard hydrants that drain the riser into the
 2154 ground are considered to be stop-and-waste valves and shall be permitted. A
 2155 stop-and-waste valve shall be installed in accordance with a manufacturer's
 2156 recommended installation instructions."

2157 [(14)] (15) IPC, Section 608.14.3, is deleted and replaced with the following: ["-]

"608.14.3 Backflow preventer with intermediate atmospheric vent. Backflow preventers
 2159 with intermediate atmospheric vents shall conform to ASSE 1012 or CSA CAN/CSA-B64.3.
 2160 These devices shall be permitted to be installed on residential boilers, without chemical
 2161 treatment, where subject to continuous pressure conditions, and humidifiers in accordance with
 2162 Section 608.17.10. The relief opening shall discharge by air gap and shall be prevented from
 2163 being submerged."

2164 [(15)] (16) IPC, Section 608.14.4, is deleted.

2165 [(16)] (17) IPC, Section 608.16.3, is deleted and replaced with the following:

["-] "608.16.3 Protection by a backflow preventer with intermediate atmospheric
 2167 vent. Connections to residential boilers only, without chemical treatment, and
 2168 humidifiers shall be protected by a backflow preventer with an intermediate atmospheric

2169 vent."

2170 [(17)] (18) IPC, Section 608.16.4, is deleted and replaced with the following:

2171 ["-"] "608.16.4 Protection by a vacuum breaker. Openings and outlets shall be
2172 protected by atmospheric-type or pressure-type vacuum breakers. Vacuum breakers
2173 shall not be installed under exhaust hoods or similar locations that will contain toxic
2174 fumes or vapors. Fill valves shall be set in accordance with Section 415.3.1.

2175 Atmospheric Vacuum Breakers - The critical level of the atmospheric vacuum breaker
2176 shall be set a minimum of [6] six inches (152 mm) above the flood level rim of the
2177 fixture or device. Pipe-applied vacuum breakers shall be installed at the highest point,
2178 but not less than [6] six inches (152 mm) above the flood level rim of the fixture,
2179 receptor, or device served. No valves shall be installed downstream of the atmospheric
2180 vacuum breaker. The atmospheric vacuum breaker shall not be installed where it may be
2181 subjected to continuous pressure for more than 12 consecutive hours at any time.

2182 Pressure Vacuum Breaker - The critical level of the pressure vacuum breaker shall be set
2183 a minimum of 12 inches (304 mm) above the flood level of the fixture device and above
2184 all downstream piping and the highest point of use."

2185 [(18)] (19) In IPC, Section 608.16.4.2, the following is added after the first sentence:

2186 "Add-on-backflow prevention devices shall be non-removable. In climates where
2187 freezing temperatures occur, a listed self-draining frost proof hose bibb with an integral
2188 backflow preventer shall be used."

2189 [(19)] (20) In IPC, Section 608.17.1.2, the words "or ASSE 1024" are deleted.

2190 [(20)] (21) IPC, Section 608.17.2, is deleted and replaced as follows:

2191 ["-"] "608.17.2 Connections to boilers. The potable supply to a boiler shall be protected
2192 by an air gap or a reduced pressure principle backflow preventer, complying with ASSE 1013,
2193 CSA B64.4 or AWWA C511.

2194 Exception: The potable supply to a residential boiler without chemical treatment may be
2195 equipped with a backflow preventer with an intermediate atmospheric vent complying with
2196 ASSE 1012, ASSE 1081.1, or CSA CAN/CSA-B64.3."

2197 [(21)] (22) In IPC, Section 608.17.4.1, a new exception is added as follows:

2198 "Exception: All class 1 and 2 systems containing chemical additives consisting of
2199 strictly glycerine (C.P. or U.S.P. 96.5 percent grade) or propylene glycol shall be
2200 protected against backflow with a double check valve assembly or double check valve
2201 detector assembly. Such systems shall include written certification of the chemical
2202 additives at the time of original installation and service or maintenance."

2203 [(22)] (23) IPC, Section 608.17.7, is deleted and replaced with the following:

2204 ["-] "608.17.7 Chemical dispensers. Where chemical dispensers connect to the
2205 water distribution system, the water supply system shall be protected against backflow
2206 in accordance with Section 608.14.1, Section 608.14.2, Section 608.14.5, Section
2207 608.14.6 or Section 608.14.8. Installation shall be in accordance with Section 608.1.2.
2208 Chemical dispensers shall connect to a separate dedicated water supply line, and not
2209 downstream of an atmospheric vacuum breaker."

2210 [(23)] (24) IPC, Section 608.17.8, is deleted and replaced with the following:

2211 ["-] "608.17.8 Portable cleaning equipment. Where the portable cleaning
2212 equipment connects to the water distribution system, the water supply system shall be
2213 protected against backflow in accordance with Section 608.14.1 or Section 608.14.2."

2214 [(24)] (25) A new IPC, Section 608.17.11, is added as follows:

2215 ["-] "608.17.11 Automatic and coin operated car washes. The water supply to an
2216 automatic or coin operated car wash shall be protected in accordance with Section
2217 608.14.2."

2218 [(25)] (26) IPC, Section 608.18, is deleted and replaced with the following:

2219 ["-] "608.18 Protection of individual water supplies. See Section 602.3 for
2220 requirements."

2221 Section 18. Section **15A-3-313** is amended to read:

2222 **15A-3-313 (Effective 07/01/26). Amendments to Chapter 13 of IPC.**

2223 (1) A new IPC, Section 1301.4.1, is added as follows:

2224 "1301.4.1 Recording.

2225 The existence of a nonpotable water system shall be recorded on the deed of ownership
2226 for the property. The certificate of occupancy shall not be issued until the documentation for
2227 the recording required under this section is completed by the property owner."

2228 (2) IPC, Section 1301.5, is deleted and replaced with the following:

2229 "1301.5 Potable water connections.

2230 Where a potable water system is connected to a nonpotable water system, the potable
2231 water supply shall be protected against backflow by a reduced pressure backflow prevention
2232 assembly or an air gap installed in accordance with Section 608."

2233 (3) In IPC, a new Section 1301.5.1 is added as follows:

2234 "1301.5.1 Potable water connections.

2235 A system that utilizes nonpotable water (i.e., pressurized irrigation) and installs a
2236 connection to the potable water system for backup [must] shall install a Reduced

2237 Pressure Principle Assembly (RP) directly downstream of the potable water connection
 2238 (Stop and Waste) and install a dual source connection directly downstream from the
 2239 (RP) installed so that either the potable water system or the nonpotable water is
 2240 connected at any time to prevent a direct Cross Connection and to protect the potable
 2241 water from any potential hazard from the nonpotable water system. See Utah Code
 2242 Section 19-4-112. Note: RP ~~[must]~~ shall be tested within 10 days of installation and
 2243 annually whether the drinking water is used or not."

2244 (4) IPC, Section 1301.9.4, is deleted and replaced with the following:

2245 "~~[-]~~1301.9.4 Makeup water.

2246 Where an uninterrupted supply is required for the intended application, potable or
 2247 reclaimed water shall be provided as a source of makeup water for the storage tank. The
 2248 makeup water supply shall be protected against backflow by a reduced pressure backflow
 2249 prevention assembly or an air gap installed in accordance with Section 608. A full-open valve
 2250 located on the makeup water supply line to the storage tank shall be provided. Inlets to the
 2251 storage tank shall be controlled by fill valves or other automatic supply valves installed to
 2252 prevent the tank from overflowing and to prevent the water level from dropping below a
 2253 predetermined point. Where makeup water is provided, the water level shall not be permitted
 2254 to drop below the source water inlet or the intake of any attached pump."

2255 (5) IPC, Section 1302.12.4, is deleted and replaced with the following:

2256 "1302.12.4 Inspection and testing of backflow prevention assemblies.

2257 Testing of a backflow preventer shall be conducted in accordance with [~~Sections~~
 2258 ~~312.10.1, 312.10.2, and 312.10.3~~] Sections 312.11.1 and 312.11.2."

2259 (6) IPC, Section 1303.15.6, is deleted and replaced with the following:

2260 "1303.15.6 Inspection and testing of backflow prevention assemblies.

2261 Testing of a backflow prevention assembly shall be conducted in accordance with [
 2262 ~~Sections 312.10.1, 312.10.2, and 312.10.3~~] Sections 312.11.1, 312.11.2, and 312.11.3."

2263 (7) IPC, Section 1304.4.2, is deleted and replaced with the following:

2264 "1304.4.2 Inspection and testing of backflow prevention assemblies.

2265 Testing of a backflow preventer or backwater valve shall be conducted in accordance
 2266 with [~~Sections 312.10.1, 312.10.2, and 312.10.3~~] Sections 312.11.1, 312.11.2, and 312.11.3."

2267 Section 19. Section **15A-3-315** is amended to read:

2268 **15A-3-315 (Effective 07/01/26). Amendments to Chapter 15 of IPC.**

2269 (1) In IPC, Chapter 15, the following reference standards are deleted: ASSE 5013-2015,
 2270 ASSE 5015-2015, ASSE 5020-2015, ASSE 5047-2015, ASSE 5048-2015, ASSE

2271 5052-98, ASSE 5056-2015, CSA B64.10-17, and CSA B64.10.1-17.

2272 (2) In IPC, Chapter 15, the following referenced standard is added:

| 2273 | "Standard reference number | Title | Referenced in code section number |
|------|--|--|---|
| 2274 | USC-FCCCHR 10th Edition Manual of Cross Connection Control | Foundation for Cross-Connection Control and Hydraulic Research University of Southern California Kaprielian Hall 300 Los Angeles CA 90089-2531 | Section [312.10.2] <u>312.11.2</u> " |

2275 Section 20. Section **15A-3-401** is amended to read:

2276 **15A-3-401 (Effective 07/01/26). General provisions.**

2277 (1) The amendments in this part are adopted as amendments to the IMC to be applicable
2278 statewide.

2279 (2) In IMC, Section 505.4, a new subsection 505.4.1 is added as follows:

2280 "505.4.1 Makeup Air. Makeup air is not required in residential dwelling units
2281 where gas, liquid, or solid fuel-burning appliances located within a units air barrier are
2282 all direct-vent or use a mechanical draft venting system."

2283 (3) In IMC, Section 1004.2, the first sentence is deleted and replaced with the following:

2284 "[~~-~~]In accordance with Title 34A, Chapter 7, Safety, and requirements made by
2285 rule by the Labor Commission, boilers and pressure vessels in Utah are regulated by the
2286 Utah Labor Commission, Division of Boiler, Elevator and Coal Mine Safety, except
2287 those located in private residences or in apartment houses of less than five family units.
2288 Boilers shall be installed in accordance with their listing and labeling, with minimum
2289 clearances as prescribed by the manufacturer's installation instructions and the state
2290 boiler code, whichever is greater."

2291 (4) In IMC, Section 1004.3.1, the word "unlisted" is inserted before the word "boilers."~~[-]~~

2292 (5) In IMC, Section 1109.2.5, Exception 2, the words "using Group A1 refrigerant" are
2293 deleted.

2294 [~~(5)~~] (6) In IMC, Section 1209.3, the following words are added at the end of the section:

2295 "or other methods approved for the application."

2296 Section 21. Section **15A-3-402** is amended to read:

2297 **15A-3-402 (Effective 07/01/26). Amendments to Chapters 1 through 5 of IMC.**

2298 (1) In IMC, Table 403.3.1.1, note "h" is deleted and replaced with the following:

2299 "h. 1. A nail salon shall provide each manicure station where a nail technician files or
2300 shapes an acrylic nail, as defined by rule by the Division of Professional Licensing, in

2301 accordance with Title 63G, Chapter 3, Utah Administrative Rulemaking Act, with:

2302 a. a source capture system equipped with, at minimum, a MERV 8 particulate filter and
 2303 an activated carbon filter that is capable of filtering and recirculating air to inside space at a
 2304 rate not less than 50 cfm per station; or

2305 b. a source capture system capable of exhausting not less than 50 cfm per station.

2306 c. A nail salon that complies with Note h. 1a or h. 1b is not required to comply with the
 2307 labeling, listing, or testing requirements described in International Mechanical Code sections
 2308 301.7 or 301.8.

2309 2. For a source capture system described in paragraph 1, the source capture system inlets
 2310 for exhausting or recirculating air shall be located in accordance with Section 502.20.

2311 3. Where one or more exhausting source capture systems described in paragraph 1
 2312 operate continuously during occupancy, the source capture system exhaust rate shall be
 2313 permitted to be applied to the exhaust flow rate required by Table 403.3.1.1 for the nail salon.

2314 4. The requirements of this note apply to:

2315 a. an existing nail salon that remodels the nail salon after July 1, 2017;

2316 b. a new nail salon that begins construction after July 1, 2017; and

2317 c. all nail salons beginning on July 1, 2020."

2318 (2) IMC, Section 502.20 is deleted and rewritten as follows:

2319 "502.20 Manicure stations. A nail salon that files or shapes an acrylic nail shall provide
 2320 each manicure station with a source capture system in accordance with Table 403.3.1.1, note h.
 2321 For a manicure table that does not have factory-installed source capture system inlets for
 2322 recirculating or exhausting air, a nail salon shall provide the manicure table with inlets for
 2323 recirculating or exhausting air located not more than 12 inches (305 mm) horizontally and
 2324 vertically from the point of any acrylic chemical application.

2325 Exception: Section 502.20 applies to a manicure station in:

2326 a. an existing nail salon that remodels the nail salon after July 1, 2017;

2327 b. a new nail salon that begins construction after July 1, 2017; and

2328 c. all nail salons beginning on July 1, 2020."

2329 (3) In IMC, Section 908.1, the following words are added at the end of the last sentence: "or
 2330 UL/CSA 60335-2-40."

2331 (4) In IMC, Section 918.1, the following words are added after "1995": "or UL/CSA
 2332 60335-2-40."

2333 (5) In IMC, Section 918.2, the following words are added at the end of the sentence: "or
 2334 UL/CSA 60335-2-40."

2335 (6) In IMC, Section 1101.6, the following sentence is added at the end of the paragraph:
 2336 "High probability systems utilizing A2L refrigerants shall comply with ASHRAE 15."

2337 (7) IMC, Chapter 15 is amended by adding the following referenced standard to CSA:

| 2338 | "Standard reference number | Title | Referenced in code section number |
|------|-----------------------------------|--|-----------------------------------|
| 2339 | CSA: CSA C22.2 60335-2-40-2019 | Standard for Household and Similar Electrical Appliances, Part 2-40: Particular Requirements for Electrical Heat Pumps, Air-Conditioners and Dehumidifiers - 3rd Edition | M1403.1, M1412.1, M1413.1" |

2340 (8) In IMC, Section 1109.2.5, the words using "Group A1 refrigerant" are deleted in
 2341 Exception 2.

2342 (9) IMC, Chapter 15 is amended by adding the following referenced standard to UL:

| 2343 | "Standard reference number | Title | Referenced in code section number |
|------|----------------------------|--|-----------------------------------|
| 2344 | UL: 60335-2-40-2019 | Standard for Household and Similar Electrical Appliances, Part 2-40: Particular Requirements for Electrical Heat Pumps, Air-Conditioners and Dehumidifiers - 3rd Edition | M1403.1, M1412.1, M1413.1" |

2345 Section 22. Section **15A-3-501** is amended to read:

2346 **15A-3-501 (Effective 07/01/26). General provisions.**

2347 The following are adopted as an amendment to the IFGC to be applicable statewide:

2348 (1) In IFGC, Section 404.9, a new Section 404.9.1, is added as follows:

2349 "404.9.1 Meter protection. Fuel gas services shall be in an approved location
 2350 and/or provided with structures designed to protect the fuel gas meter and surrounding
 2351 piping from physical damage, including falling, moving, or migrating ice and snow. If
 2352 an added structure is used, it [must] shall still provide access for service and comply with
 2353 the IBC or the IRC."

2354 (2) IFGC, Section 409.5.3, is deleted.

2355 [~~(3) In IFGC, Section 502.1, the last sentence is deleted and replaced with "Plastic vents for~~
 2356 ~~Category IV appliances shall not be required to be listed and labeled where such vents comply~~
 2357 ~~with all of the following:~~

- 2358 1. ~~specified by the appliance manufacturer;~~
- 2359 2. ~~installed in accordance with the appliance manufacturer's instructions; and~~

- 2360 3. the vent gas temperatures do not exceed 140 degrees Fahrenheit."]
- 2361 [(4) In IFGC, Section 503.4.1, in the last sentence after "appliance manufacturer" insert:
- 2362 "where the appliance vent gas temperatures do not exceed 140 degrees Fahrenheit,".]
- 2363 [(5)] (3) In IFGC, Section 503.6.11.1, the following exception is added:
- 2364 "Exception: Existing and replacement Category I appliances may be located in rooms
- 2365 within the occupiable space provided all the following are met:
- 2366 1. The original installation was compliant with existing codes at the time of installation.
- 2367 2. The dwelling is equipped with a current, operable carbon monoxide detector, installed in
- 2368 accordance with Section 915 of the International Building Code.
- 2369 3. The AHJ has approved a replacement based on the extreme difficulty of an installing
- 2370 individual Category I vent system or a direct vent Category IV appliance.
- 2371 4. The room or space is used for no other purpose.
- 2372 5. Combustion air is provided in accordance with Section 304. Where outdoor combustion
- 2373 air is provided, the room has a solid weather-stripped door equipped with an approved
- 2374 self-closure device.
- 2375 6. Common vents terminate with a listed cap."
- 2376 [(6)] (4) In IFGC, Section 631.2, the following sentence is inserted before the first sentence:
- 2377 "[-]In accordance with Title 34A, Chapter 7, Safety, and requirements made by
- 2378 rule by the Labor Commission, boilers and pressure vessels in Utah are regulated by the
- 2379 Utah Labor Commission, Division of Boiler, Elevator and Coal Mine Safety, except
- 2380 those located in private residences or in apartment houses of less than five family units.
- 2381 Boilers shall be installed in accordance with their listing and labeling, with minimum
- 2382 clearances as prescribed by the manufacturer's installation instructions and the state
- 2383 boiler code, whichever is greater."
- 2384 Section 23. Section **15A-3-701** is amended to read:
- 2385 **15A-3-701 (Effective 07/01/26). General provisions.**
- 2386 The following is adopted as an amendment to the IECC to be applicable statewide:
- 2387 [(1) IECC, Section C405.11, is deleted and replaced with the following: "C405.11
- 2388 Automatic receptacle control. Automatic receptacle control to be optional and decided
- 2389 by property owner."]
- 2390 [(2)] (1) In IECC, Section R102.1.1, a new section R102.1.1 is added as follows:
- 2391 "R102.1.1 National Green Building Standard complying with ICC 700-2020
- 2392 National Green Building Standard and achieving the Gold rating level for the energy
- 2393 efficiency category shall be deemed to exceed the energy efficiency required by this

2394 code. The building shall also meet the requirements identified in table N1105.2 and the
2395 building thermal envelope efficiency is greater than or equal to levels of efficiency and
2396 solar heat gain coefficients (SHGC) in Tables N1102.2.2 and N1102.1.3 of the 2009
2397 IRC."

2398 [(3)] (2) In IECC, Section R103.2, all words after the words "herein governed[-]" are
2399 deleted and replaced with the following:

2400 "Construction documents include all documentation required for building permits
2401 shall include only those items specified in Section 10-5-132(8) of the Utah Municipal
2402 Code."

2403 [(4)] (3) In IECC, Section R303.1.3, the following changes are made:

2404 (a) The following is added at the end of the first sentence: "or EN
2405 14351-1:2006+A1:2010."

2406 (b) The word "accredited" is replaced with "approved" in the third sentence.

2407 (c) The following sentence is added after the third sentence: "A conversion factor of
2408 5.678 shall be used to convert from U values expressed in SI units: $(\)/53678=$."

2409 (d) After "NFRC 200" the following words are added: "or EN 14351-1:2006+A1:2010",
2410 and in the sentence the word "accredited" is replaced with the word "approved."[-]

2411 (e) The following new sentence shall be inserted immediately [~~prior to~~] before the last
2412 sentence:

2413 "Total Energy Transmittance values may be substituted for SHGC, and
2414 Luminous Transmission values may be substituted for VT."

2415 [(5)] (4) In IECC, Section R303.3, all wording after the first sentence is deleted.

2416 [(6)] (5) In IECC, Section R401.2, in the first sentence, the words "Section R401.13.5 and"
2417 are deleted.

2418 [(7)] (6) In IECC, Section R401.2.5 is deleted.

2419 [(8)] (7) In IECC, Section R401.3 Number 7, the words "and the compliance path used" are
2420 deleted.

2421 [(9)] (8) In IECC Table R402.1.2, the following changes are made:

2422 (a) in the column titled "Fenestration U-Factor", the following changes are made:

2423 (i) in the row titled "Climate Zone 3", delete 0.30 and replace it with 0.32;

2424 (ii) in the row titled "Climate Zone 5 and Marine 4", delete 0.30 and replace it with
2425 0.32; and

2426 (iii) in the row titled "Climate Zone 6", delete 0.30 and replace it with 0.32;

2427 (b) in the column titled "Glazed Fenestration SHGC", the following change is made: in

- 2428 the row titled "Climate Zone 3" delete 0.25 and replace it with 0.35;
- 2429 (c) in the column titled "Climate U-Factor", the following changes are made:
- 2430 (i) in the row titled "Climate Zone 3", delete 0.026 and replace it with 0.030;
- 2431 (ii) in the row titled "Climate Zone 5 and Marine 4", delete 0.024 and replace it with
- 2432 0.026; and
- 2433 (iii) in the row titled "Climate Zone 6", delete 0.024 and replace it with 0.026;
- 2434 (d) in the column titled "Wood Frame Wall U Factor", the following changes are made:
- 2435 (i) in the row titled "Climate Zone 3", delete 0.060 and replace it with 0.060;
- 2436 (ii) in the row titled "Climate Zone 5 and Marine 4", delete 0.045 and replace it with
- 2437 0.060; and
- 2438 (iii) in the row titled "Climate Zone 6", delete 0.045 and replace it with 0.060;
- 2439 (e) in the column titled "Basement wall U-Factor", the following changes are made:
- 2440 (i) in the row titled "Climate Zone 5 and Marine 4", delete 0.050 and replace it with
- 2441 0.075; and
- 2442 (ii) in the row titled "Climate Zone 6", delete 0.50 and replace it with 0.065; and
- 2443 (f) in the column titled "Crawl Space Wall U-Factor", the following changes are made:
- 2444 (i) in the row titled "Climate Zone 5 and Marine 4", delete 0.055 and replace it with
- 2445 0.078; and
- 2446 (ii) in the row titled "Climate Zone 6", delete 0.55 and replace it with 0.065.
- 2447 ~~[(10)]~~ (9) In IECC, Table R402.1.3, the following changes are made:
- 2448 (a) in the column titled "Fenestration U-Factor", the following changes are made:
- 2449 (i) in the row titled "Climate Zone 3", delete 0.30 and replace it with 0.32;
- 2450 (ii) in the row titled "Climate Zone 5 and Marine 4", delete 0.30 and replace it with
- 2451 0.32; and
- 2452 (iii) in the row titled "Climate Zone 6", delete 0.30 and replace it with 0.32;
- 2453 (b) in the column titled "Glazed Fenestration SHGC", the following change is made: in
- 2454 the row titled "Climate Zone 3" delete 0.25 and replace it with 0.35;
- 2455 (c) in the column R-Value the following changes are made:
- 2456 (i) in the row titled "Climate Zone 3", delete 49 and replace it with 38;
- 2457 (ii) in the row titled "Climate Zone 5 and Marine 4", delete 60 and replace it with 49;
- 2458 and
- 2459 (iii) in the row titled "Climate Zone 6", delete 60 and replace it with 49;
- 2460 (d) in the column titled "Wood Frame Wall R-Value", the following changes are made:
- 2461 (i) in the row titled "Climate Zone 3", delete all values and replace with "20+Oci or

- 2462 13+5ci or 0+15ci";
- 2463 (ii) in the row titled "Climate Zone 5 or Marine 4", delete all values and replace with
- 2464 "21+Oci or 15+5ci or 0+15ci"; and
- 2465 (iii) in the row titled "Climate Zone 6", delete all values and replace with "21+Oci or
- 2466 15+5ci or 0+15ci";
- 2467 (e) in the column titled "Basement Wall R-Value", the following changes are made:
- 2468 (i) in the row titled "Climate Zone 5 or Marine 4", delete all values and replace with
- 2469 "15+Oci or 0+11ci or 11+5ci"; and
- 2470 (ii) in the row titled "Climate Zone 6", delete all values and replace with "19+Oci or
- 2471 0+13ci or 11+5ci";
- 2472 (f) in the column titled "Slab R-Value and Depth", the following changes are made:
- 2473 (i) in the row titled "Climate Zone 3", delete "10ci. 2ft" and replace it with "NR"; and
- 2474 (ii) in the row titled "Climate Zone 5 [&] and Marine 4", delete "4 ft" and
- 2475 replace it with "2 ft";
- 2476 (g) in the column titled "Crawl Space Wall R-Value", the following changes are made:
- 2477 (i) in the row titled "Climate Zone 5 or Marine 4", delete all values and replace with
- 2478 "15+Oci or 0+11ci or 11+5ci"; and
- 2479 (ii) in the row titled "Climate Zone 6", delete all values and replace with "19+Oci or
- 2480 0+13ci or 0+11+5ci"; and
- 2481 (h) in IECC, Table R402.2, in the column titled "MASS WALL R-VALUE", a new
- 2482 footnote "j" is added as follows:
- 2483 "j Log walls complying with ICC400 and with a minimum average wall
- 2484 thickness of [5] five inches or greater shall be permitted in "Zones 5 through 8" when
- 2485 overall window glazing has a .31 U-factor or lower, minimum heating equipment
- 2486 efficiency is 90 AFUE (gas) or 84 AFUE (oil), and all other component requirements
- 2487 are met."
- 2488 [(H)] (10) In IECC, a new subsection R402.1.5.1 is added as follows:
- 2489 "R402.1.5.1 RESCheck 2012 Utah Energy Conservation Code. Compliance with
- 2490 section N1102.1.5 (R402.1.5) may be satisfied using the software RESCheck 2012 Utah
- 2491 Energy Conservation Code, which shall satisfy the R-value and U-factor requirements of
- 2492 N1102.1, N1102.2, and N1102.3, provided the following conditions are met:
- 2493 (a) In Climate Zone 5 and 6 the software result shall show 5% better than code; and
- 2494 (b) In Climate Zone 3, the software result shall show 5% better than code when software
- 2495 inputs for window U-factor = 0.65 and window SHGC = 0.40, notwithstanding actual

2496 windows installed shall conform to requirements of Tables N1102.1.2 (R402.1.2) and
 2497 N1102.1.3 (R402.1.3)."

2498 [(12)] (11) In IECC, Section R402.2.1, a new section is added as follows:

2499 "R402.2.1.1. Unvented attic and unvented enclosed rafter assemblies. Unvented attic and
 2500 unvented enclosed rafter assemblies conforming to Section R806.5 shall be provided with an
 2501 R-value of R-22 (maximum U-Factor of 0.045) in Climate Zone 3-B or an R-value of R-26
 2502 (maximum U-factor of 0.038) in Climate Zones 5-B and 6-B shall be permitted provided all
 2503 the following conditions are met:

2504 1. The unvented attic assembly complies with the requirements of the International
 2505 Residential Code, Section R806.5.

2506 2. The house shall attain a blower door test result 2.5ACH 50.

2507 3. The house shall require a whole house mechanical ventilation system that does not
 2508 rely solely on a negative pressure strategy (~~must~~ shall be positive, balanced or hybrid).

2509 4. Where insulation is installed below the roof deck and the exposed portion of roof
 2510 rafters are not already covered by the R-20 depth of the air-impermeable insulation, the
 2511 exposed portion of the roof rafters shall be wrapped (covered) by minimum R-3 unless directly
 2512 covered by drywall/finished ceiling. Roof rafters are not required to be covered by minimum
 2513 R-3 if a continuous insulation is installed above the roof deck.

2514 5. Indoor heating, cooling and ventilation equipment (including ductwork) shall be
 2515 inside the building thermal envelope."

2516 [(13)] (12) A new IECC, Section R402.2.1.3 is added as follows:

2517 [-]"R402.2.1.3 Walls with Air-Impermeable Insulation. Where IECC Table R402.1.2
 2518 requires R-20 for wood framed walls in climate zones 3-B and 5-B or R-20+5CI for
 2519 climate zone 6-B, an air-impermeable insulation installed in the wall cavity with R-value
 2520 of R-15 for climate zones 3-B and 5-B or R-20 for climate zone 6-B shall be deemed
 2521 equivalent to the provisions in IECC Table R402.1.2, provided the home attains a
 2522 blower door test 2.5ACH."

2523 [(14)] (13) In IECC, Section R402.2.9.1, the numeral "(i)" is added before the words "cut at
 2524 a 45 degree" and the following is added after the words "exterior wall:": "or (ii) lowered
 2525 from top of slab 4" when a 4" thermal break material such as, but not limited to, felt or
 2526 asphalt impregnated fiber board, with a minimum thickness of 1/4" is installed at the
 2527 upper 4" of slab."

2528 [(15)] (14) In IECC, Section R402.4.1, in the first sentence, the word "and" is deleted and
 2529 replaced with the word "or."[-]

- 2530 [(16)] (15) In IECC, Section R402.4.1.1, the second and the last sentences are deleted and
2531 replaced with the following:
- 2532 "Where required by the code official, the builder shall certify compliance with
2533 criteria indicated in Table R1102.4.1 for items which are not readily visible during
2534 regularly scheduled inspections."
- 2535 [(17)] (16) In IECC, Table R402.4.1.1 in the column titled "COMPONENT", the following
2536 changes are made:
- 2537 (a) in the row "Rim Joists" the word "exterior" in the first sentence is deleted, and the
2538 second sentence is deleted.
- 2539 (b) In the row "Electrical/phone box on the exterior walls" the last sentence is deleted
2540 and replaced with: "Alternatively, close cell foam, caulking or gaskets may be used,
2541 or air sealed boxes may be installed."
- 2542 [(18)] (17) In IECC, Section R402.4.1.2, the following changes are made:
- 2543 (a) In the fourth sentence, the word "third" is deleted.
- 2544 (b) The following sentence is added after the fourth sentence:
- 2545 "The following parties shall be approved to conduct testing: Parties certified by
2546 BPI or RESNET, or licensed contractors who have completed training provided by
2547 Blower Door Test equipment manufacturers or other comparable training."
- 2548 (c) In the first Exception the second sentence is deleted.
- 2549 [(19)] (18) In IECC, Section R402.4.1.3, the following changes are made:
- 2550 (a) in the first sentence, the words 5.0 air changes per hour in Climate Zones 0, 1 and 2,
2551 and 3.0 are deleted and replaced with 4.0., and the words in Climate Zone 3 through
2552 8 are deleted;
- 2553 (b) in the first sentence of the Exception, 0.28 is replaced with 5.0 air changes per hour
2554 or 0.30; and
- 2555 (c) in Number 2, the words of "conditioned floor area" are inserted before the words "or
2556 smaller."
- 2557 [(20)] (19) In IECC, Section R402.6 is deleted.
- 2558 [(21)] (20) In IECC, Section R403.3.1 is deleted and replaced with the following:
- 2559 "Ducts located outside conditioned space. Supply and return ducts in attics shall be
2560 insulated to a minimum of R-8 where [3] three inches (76.2 mm) in diameter and greater
2561 and R-6 where less than [3] three inches (76.2 mm) in diameter. Supply and return ducts
2562 in other portions of the building shall be insulated to a minimum of R-6 where [3] three
2563 inches (76.2 mm) in diameter or greater and R-4.2 where less than [3] three inches (76.2

2564 mm) in diameter. Exception: Ducts or portions thereof located completely inside the
2565 building thermal envelope."

2566 [~~(22)~~] (21) In IECC, Section R403.3.3, is deleted.

2567 [~~(23)~~] (22) In IECC, Section R403.3.3.1 is deleted.

2568 [~~(24)~~] (23) In IECC, Section R403.3.5, the following changes are made:

2569 (a) a second Exception is added as follows:

2570 "A duct leakage test shall not be required for any system designed such that no air
2571 handlers or ducts are located within unconditioned attics."

2572 (b) the following is added at the end of the section:

2573 "The following parties shall be approved to conduct testing:

2574 (i) Parties certified by BPT or RESNET

2575 (ii) Licensed contractors who have completed training provided by Duct Test
2576 equipment manufacturers or other comparable training."

2577 [~~(25)~~] (24) In IECC, Section N1103.3.6 (R403.3.6) the following changes are made:

2578 (a) in Subsection 1:

2579 (i) the number 4.0 is changed to 6.0;

2580 (ii) the number 113.3 is changed to 170;

2581 (iii) the number 3.0 is changed to 5.0; and

2582 (iv) the number 85 is changed to 141;

2583 (b) in Subsection 2:

2584 (i) the number 4.0 is changed to 5.0; and

2585 (ii) the number 113.3 is changed to 141; and

2586 (c) Subsection 3 is deleted.

2587 [~~(26)~~] (25) In IECC, Section N1103.3.7 (R403.3.7) the words "or plenums" are deleted.

2588 [~~(27)~~] (26) In IECC, Section N1103.5.1.1 (R403.5.1.1) the words "Where installed" are
2589 added at the beginning of the first sentence.

2590 [~~(28)~~] (27) IECC, Section R403.6.2, is deleted and replaced with the following:

2591 "R403.6.2 Whole-house mechanical ventilation system fan efficacy. Fans used to
2592 provide whole-house mechanical ventilation shall meet the efficacy requirements of Table
2593 R403.6.2.["

2594 "]Exception: Where an air handler that is integral to tested and listed HVAC equipment
2595 is used to provide whole-house mechanical ventilation, the air handler shall be powered by an
2596 electronically commutated motor."

2597 [~~(29)~~] (28) In IECC, Section R403.6.2, the table is deleted and replaced with the following:

2598 "TABLE R403.6.2["
 2599 "]MECHANICAL VENTILATION SYSTEM FAN EFFICACY["

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

2606 ~~[(30)]~~ (29) In IECC, Section R403.6.3 is deleted.

2607 ~~[(31)]~~ (30) In IECC, Section R403.7, the word "approved" is deleted in the first sentence
 2608 and the following is added after the word "methodologies": "complying with R403.7.1."

2609 ~~[(32)]~~ (31) A new IECC, Section R403.7.1, is added as follows:

2610 "R403.7.1 Qualifications. An individual performing load calculations shall be qualified
 2611 by completing HVAC training from one of the following:
 2612 1. HVAC load calculation education from ACCA;
 2613 2. A recognized educational institution;
 2614 3. HVAC equipment manufacturer's training; or
 2615 4. Other recognized industry certification."

2616 ~~[(33)]~~ (32) In IECC, Section R404.1, the word "All" is replaced with "Not less than 90
 2617 percent of the lamps in."

2618 ~~[(34)]~~ (33) In IECC, Section R404.1.1 is deleted.

2619 ~~[(35)]~~ (34) In IECC, Section R404.2 is deleted.

2620 ~~[(36)]~~ (35) In IECC, Section R404.3 is deleted.

2621 ~~[(37)]~~ (36) In IECC, Section R405.2 the following changes are made:

- 2622 (a) in Subsection 3, the words "approved by the code official" are deleted; and
- 2623 (b) in Subsection 3, the following words are added at the end of the sentence: "when
 2624 applicable and readily available."

2625 ~~[(38)]~~ (37) In IECC, Section R406.3 "Building thermal envelope" is deleted, and replaced
 2626 with the following:

2627 "Building thermal envelope and on-site renewables. The proposed total building
 2628 thermal envelope UA, which is the sum of U-factor times assembly area, shall be less

2629 than or equal to the building thermal envelope UA using the prescriptive U-factors From
 2630 Table N1102.1.2 multiplied by 1.15 in accordance with Equation 11-4. The
 2631 area-weighted maximum fenestration SHGC permitted in Climate Zones 0 through 3
 2632 shall be 0.30.UAProposed design = 1.15 x UAPrescriptive reference design (Equation
 2633 11-4)."

2634 [(39)] (38) In IECC, Section R406.3.1 is deleted.

2635 [(40)] (39) In IECC, Section R406.3.2 is deleted.

2636 [(41)] (40) In IECC, Section R406.4 the following changes are made:

2637 (a) in the first sentence, the words "in accordance with Equation 11-5" are deleted and
 2638 replaced with: "permitted to be calculated using the minimum total air exchange Rate
 2639 for the rated home (Q_{tot}) and for the index adjustment factor in accordance with
 2640 Equation 11.5.";

2641 (b) in equation 11-5, the words "Ventilation rate, CFM" are deleted and replaced with:
 2642 "Q_{tot}"; and

2643 (c) in the last sentence, the number "5" is deleted and replaced with "15."[-]

2644 [(42)] (41) In IECC, Section R406.5 in the column titled ENERGY RATING INDEX of
 2645 Table R406.5, the following changes are made:

2646 (a) in the row for Climate Zone 3, "51" is deleted and replaced with "65";

2647 (b) in the row for Climate Zone 5, "55" is deleted and replaced with "69"; and

2648 (c) in the row for Climate Zone 6, "54" is deleted and replaced with "68."[-]

2649 [(43)] (42) In IECC, Section R408 is deleted.

2650 (a)(i)(A) In IECC, Chapter 6, the standard for ANSI/RESNET/ICC 201-2019
 2651 section 4.4.4 is added as follows:

2652 "4.4.4. Air Source Heat Pumps and Air Conditioners. For Heat Pumps and
 2653 Air Conditioners with the more recent Manufacturers Equipment Performance
 2654 Ratings (HSPF2 or SEER2) available, and HSPF and SEER are not available,
 2655 these ratings shall be converted to HSPF and SEER values by dividing HSPF2
 2656 or SEER2 by the conversion factors in Table 4.4.4.1(1). If the type of
 2657 equipment is not determined, the conversion shall default to the Ducted Split
 2658 System factors. All calculations, including Equation 4.1-1a shall use HSPF or
 2659 SEER values as made available by the Manufacturer or converted as specified
 2660 in this section. Table 4.4.4.1(1) SEER2 and HSPF2 Conversion["]

| 2661 | Equipment Type | SEER2/SEER | EER2/EER4 | HSPF2/HSPF |
|------|------------------|------------|-----------|------------|
| 2662 | Ductless Systems | 1.00 | 1.00 | 0.90 |

| | | | | |
|------|--|------|----------------|----------------|
| 2663 | Ducted Split System | 0.95 | 0.95 | 0.85 |
| 2664 | Ducted Packaged System | 0.95 | 0.95 | 0.84 |
| 2665 | Small Duct High Velocity System | 1.00 | Not Applicable | 0.85 |
| 2666 | Ducted Space-Constrained Air Conditioner | 0.97 | Not Applicable | Not Applicable |
| 2667 | Ducted Space-Constrained Heat Pump | 0.99 | Not Applicable | 0.85" |

2668 Section 24. Section **15A-3-801** is amended to read:

2669 **15A-3-801 (Effective 07/01/26). General provisions.**

2670 The following are adopted as amendments to the IEBC and are applicable statewide:

2671 (1) In IEBC, Section 202, the definition for "Approved" is modified by adding the words
 2672 "or independent third-party licensed engineer or architect and submitted to the building
 2673 official" after the word official.

2674 (2) In IEBC, Section 202, the following definition is added:
 2675 [~~]~~"BUILDING OFFICIAL. See Code official."

2676 (3) In IEBC, Section 202, the definition for "~~[Code official]~~ CODE OFFICIAL" is deleted and
 2677 replaced with the following:

2678 "CODE OFFICIAL. The officer or other designated authority having jurisdiction (AHJ)
 2679 charged with the administration and enforcement of this code."

2680 (4) In IEBC, Section 202, the definition for "~~[Existing buildings]~~ EXISTING BUILDINGS" is
 2681 deleted and replaced with the following:

2682 "EXISTING BUILDING. A building that is not a dangerous building and that was
 2683 either lawfully erected under a prior adopted code, or deemed a legal non-conforming building
 2684 by the code official."

2685 (5) In IEBC, Section 302.3, the following is added after the words "code official" in the last
 2686 sentence:

2687 "or independent third-party licensed engineer or architect and submitted to the
 2688 building official."

2689 (6) In IEBC, Section 301.3, the exception is deleted.

2690 (7) In IEBC, Section 503.5, the following is added after the words "BSE-1E earthquake

2691 hazard level" in the last sentence:

2692 "and using an objective of Life Safety Nonstructural Performance with the BSE-2E

2693 earthquake hazard level."

2694 [(7)] (8) IEBC, Section 503.6 is deleted and replaced with the following:

2695 "503.6 Bracing for unreinforced masonry parapets and other appendages upon reroofing.

2696 Where the intended alteration requires a permit for reroofing and involves removal of

2697 roofing materials from more than 25% of the roof area of a building assigned to Seismic

2698 Design Category D, E, or F that has parapets constructed of unreinforced masonry or

2699 appendages such as cornices, spires, towers, tanks, signs, statuary, etc., the work shall include

2700 installation of bracing to resist out-of-plane seismic forces, unless an evaluation demonstrates

2701 compliance of such items. ~~Reduced seismic [forces are permitted for design purposes]~~ criteria

2702 of IEBC, Section 304.3.2 is permitted."

2703 (9) In IEBC, Section 503.11, the following is added after the words "BSE-1E earthquake

2704 hazard level" in the last sentence:

2705 "and using an objective of Life Safety Nonstructural Performance with the BSE-2E

2706 earthquake hazard level."

2707 (10) In IEBC, Section 705.2, a new Exception 2 is added as follows:

2708 "(2) Where permitted by the roof covering manufacturer, any existing layers of

2709 polyisocyanurate insulation, expanded polystyrene (EPS), or extruded polystyrene

2710 (XPS), shall be permitted to remain in place if the roof deck is evaluated, is in

2711 serviceable condition, and the insulation is not damaged, deteriorated or water soaked.

2712 All other types of roof insulation and any areas of damage, deteriorated or water soaked

2713 insulation shall be removed and replaced with new insulation."

2714 [(8)] (11) IEBC, Section 706.3.1 is deleted and replaced with the following:

2715 "706.3.1 Bracing for unreinforced masonry bearing wall parapets and other appendages.

2716 Where a permit is issued for reroofing more than 25 percent of the roof area of a

2717 building assigned to Seismic Design Category D, E, or F that has parapets constructed of

2718 unreinforced masonry or appendages such as cornices, spires, towers, tanks, signs, statuary,

2719 etc., the work shall include installation of bracing to resist the reduced International Building

2720 Code level seismic forces as specified in [~~Section 303~~] Section 304.3.2 of this code unless an

2721 evaluation demonstrates compliance of such items."

2722 (12) In IEBC, Section 906.2, the following is added after the words "BSE-1E earthquake

2723 hazard level" in the last sentence:

2724 "and using an objective of Life Safety Nonstructural Performance with the BSE-2E

2725 earthquake hazard level."

2726 (13) In IEBC, Section 906.3, the following is added after the words "BSE-1E earthquake
2727 hazard level" in the last sentence:

2728 "and using an objective of Life Safety Nonstructural Performance with the BSE-2E
2729 earthquake hazard level."

2730 [(9)] (14) IEBC, Section 906.6 is deleted and replaced with the following:

2731 "906.6 Bracing for unreinforced masonry parapets and other appendages upon reroofing.

2732 Where the intended alteration requires a permit for reroofing and involves removal of
2733 roofing materials from more than 25% of the roof area of a building assigned to Seismic
2734 Design Category D, E, or F that has parapets constructed of unreinforced masonry or
2735 appendages such as cornices, spires, towers, tanks, signs, statuary, etc., the work shall include
2736 installation of bracing to resist out-of-plane seismic forces, unless an evaluation demonstrates
2737 compliance with such items. Reduced seismic [~~forces are permitted for design purposes~~]
2738 criteria of IEBC, Section 304.3.2, is permitted."

2739 [(10)] (15)(a) [~~Section 1006.3 is deleted and replaced with the following:~~

2740 ~~"1006.3 Seismic loads. Where a change of occupancy results in a building being~~
2741 ~~assigned to a higher risk category, or when a change of occupancy results in a design occupant~~
2742 ~~load increase of 100% or more, the building shall satisfy the requirements of Section 1613 of~~
2743 ~~the International Building Code using full seismic forces."] In IEBC, Section 1006.3, Seismic
2744 Loads, the following is added after the words "higher risk category" in the first sentence:
2745 "or when a change of occupancy results in a design occupant load increase of 100% or
2746 more."~~

2747 (b) In IEBC, Section 1006.3, [~~exceptions~~] Exceptions 1 through 4 remain unchanged.

2748 (c) In IEBC, Section 1006.3, add a new [~~exception~~] Exception 5 as follows:

2749 "5. Where the design occupant load increase is less than 25 occupants and the occupancy
2750 category does not change."

2751 [(11)] (16) In IEBC, Section 1011.7.3, [~~exception~~] Exception 2 is deleted.

2752 Section 25. Section **15A-3-1001** is amended to read:

2753 **15A-3-1001 (Effective 07/01/26). General provisions.**

2754 (1) In ISPSC, Section 202, the following definition is added for private residential
2755 swimming pool:

2756 "PRIVATE RESIDENTIAL SWIMMING POOL (Residential Pool). A swimming
2757 pool, spa pool, or wading pool used only by an individual, family, or living unit
2758 members and guests, but not serving any type of multiple unit housing complex of four

2759 or more living units."
 2760 (2) In ISPSC, Section 202, the definition for Residential Swimming Pool (Residential Pool)
 2761 is deleted and replaced with the following:

2762 "See the definition for Private Residential Swimming Pool (Residential Pool)."

2763 (3) In ISPSC, Section 306.3, in the first sentence, the words "or private residential pools"
 2764 are added after the word "pools" and the last sentence is deleted.

2765 [(3)] (4) In ISPSC, [~~Section 320.1~~] Section 321.1, the following changes are made:

- 2766 (a) the words "or storm" are deleted;
- 2767 (b) the words "onsite waste water" are added before the word "disposal"; and
- 2768 (c) the words "or shall be disposed of by other means approved by the state or local
 2769 authority" are deleted.

2770 (5) In ISPSC, Section 326.1, the following words are added after the word "indoor":
 2771 "residential or."

2772 (6) In ISPSC, a new Section 326.2 is added as follows:

2773 "326.2 Recirculation of Air. Supply air to residential or public pool and spa and
 2774 associated deck areas shall not be recirculated unless such air is dehumidified to
 2775 maintain the relative humidity of the area at 60% or less. Air from this area shall not be
 2776 recirculated to other spaces where more than 10% of the resulting supply airstream
 2777 consists of air recirculated from these spaces. The design and installation of ventilation
 2778 systems shall comply with ANSI/ACCA 10 Manual SPS.

2779 (7) In Chapter 11, the following reference standard is added:

| 2780 | <u>Standard Reference Number</u> | <u>Title</u> | <u>Referenced in Code Section Number</u> |
|------|---|---|--|
| 2781 | <u>ANSI/ACCA 10 Manual SPS - 2023</u> | <u>HVAC Design for Swimming Pools and Spas, Publisher: Air Conditioning Contractors of America (ACCA) 2800 Shirlington Road, Ste 300, Arlington, VA 22206</u> | <u>Section 326.2</u> |

2782 Section 26. Section **15A-6-102** is amended to read:
 2783 **15A-6-102 (Effective 07/01/26). Nitrogen Oxide emission limits for natural**
 2784 **gas-fired water heaters.**

- 2785 (1) As used in this section:
- 2786 (a) "BTU" means British Thermal Unit.

- 2787 (b)(i) "Heat input" means the heat of combustion released by fuel burned in a water
2788 heater based on the heating value of the fuel.
- 2789 (ii) "Heat input" does not include the enthalpy of a water heater's incoming
2790 combustion air.
- 2791 (c) "Heat output" means the enthalpy of a water heater's working fluid output.
- 2792 (d) "Natural gas-fired water heater" means a device that heats water:
- 2793 (i) using natural gas combustion;
- 2794 (ii) for use external to the device at a pressure that is less than or equal to 160 pounds
2795 per square inch gage; and
- 2796 (iii) to a thermostatically controlled temperature less than or equal to:
- 2797 (A) 210 degrees Fahrenheit; or
- 2798 (B) 99 degrees Celsius.
- 2799 (e) "Ozone nonattainment area" means an area that does not meet the primary or
2800 secondary air quality standards for ozone under the National Ambient Air Quality
2801 Standards described in 42 U.S.C. Sec. 7407(d).
- 2802 (f) "PM2.5 nonattainment area" means an area that does not meet the primary or
2803 secondary air quality standards for fine particulate matter, PM2.5, under the National
2804 Ambient Air Quality Standards described in 42 U.S.C. Sec. 7407(d).
- 2805 [(e)] (g) "ppm" means parts of Nitrogen Oxide per million parts of water heater air output.
- 2806 [(f)] (h) "Recreational vehicle" means the same as that term is defined in Section
2807 13-14-102.
- 2808 (2) [~~On and after July 1, 2018, a~~] A person may not sell or install a natural gas-fired water
2809 heater with an emission rate greater than the following limits:
- 2810 (a) except as provided in Subsection (6), for a water heater that has a heat input of less
2811 than or equal to 75,000 BTU per hour that is not installed in a mobile home, a limit of:
- 2812 (i) 10 nanograms per Joule of heat output; or
- 2813 (ii) 15 ppm, corrected to 3% oxygen;
- 2814 (b) for a water heater that has a heat input of greater than 75,000 BTU per hour and less
2815 than 2,000,000 BTU per hour that is not installed in a mobile home, a limit of:
- 2816 (i) 14 nanograms per Joule of heat output; or
- 2817 (ii) 20 ppm, corrected to 3% oxygen;
- 2818 (c) for a water heater installed in a mobile home, a limit of:
- 2819 (i) 40 nanograms per Joule of heat output; or
- 2820 (ii) 55 ppm, corrected to 3% oxygen;

- 2821 (d) for a pool or spa water heater with a heat input that is less than or equal to 400,000
 2822 BTU per hour, a limit of:
- 2823 (i) 40 nanograms per Joule of heat output; or
 2824 (ii) 55 ppm, corrected to 3% oxygen; and
- 2825 (e) for a pool or spa water heater with a heat input of greater than 400,000 BTU per hour
 2826 and less than 2,000,000 BTU per hour, a limit of:
- 2827 (i) 14 nanograms per Joule of heat output; or
 2828 (ii) 20 ppm, corrected to 3% oxygen.
- 2829 (3) A water heater manufacturer shall use California South Coast Air Quality Management
 2830 District Method 100.1 to calculate the emissions rate of a water heater subject to this
 2831 section.
- 2832 (4) A water heater manufacturer shall display on a water heater subject to this section, as a
 2833 permanent label, the model number and the Nitrogen Oxide emission rate of the water
 2834 heater.
- 2835 (5) The requirements of this section do not apply to:
- 2836 (a) a water heater using a fuel other than natural gas;
 2837 (b) a water heater used in a recreational vehicle;
 2838 (c) a water heater manufactured in the state for sale and shipment outside of the state;[-or]
 2839 (d) a water heater manufactured before July 1, 2018[-] ; or
 2840 (e) a water heater intended for installation in an area of Utah that is not included in an
 2841 ozone nonattainment area or a PM2.5 nonattainment area.
- 2842 (6) A person may sell or install a natural gas-fired water heater with an emission rate
 2843 greater than the limits established in Subsection (2)(a) if:
- 2844 (a) the water heater is replacing a water heater of equal BTUs per hour;
 2845 (b) there is not available for purchase in the United States a water heater that:
 2846 (i) has an input of equal BTUs per hour as the water heater being replaced; and
 2847 (ii) meets the limits established in Subsection (2)(a); and
 2848 (c) the purpose of the water heater is to heat water and provide space heating.
- 2849 Section 27. Section **63I-2-210** is amended to read:
- 2850 **63I-2-210 (Effective 07/01/26). Repeal dates: Title 10.**
- 2851 (1) Subsection 10-2a-205(2)(b)(iii), regarding a feasibility study for the proposed
 2852 incorporation of a community council area, is repealed July 1, 2028.
- 2853 (2) Section 10-2a-205.5, Additional feasibility consultant considerations for proposed
 2854 incorporation of community council area -- Additional feasibility study requirements, is

2855 repealed July 1, 2028.

2856 (3) Subsection 10-20-904(4)(c), regarding an inspection fee on a qualified water
2857 conservancy district, is repealed [~~July 1, 2026~~] July 1, 2027.

2858 Section 28. Section **63I-2-217** is amended to read:

2859 **63I-2-217 (Effective 07/01/26). Repeal dates: Titles 17 through 17D.**

2860 (1) Subsection 17-79-804(4)(c), regarding an inspection fee on a qualified water
2861 conservancy district, is repealed [~~July 1, 2026~~] July 1, 2027.

2862 (2) Subsection 17-62-102(3), regarding the process for changing a form of county
2863 government, is repealed January 1, 2028.

2864 (3) Subsections 17-62-203(10) through (12), regarding the process to create a districting
2865 commission and implementing a district map, are repealed July 1, 2029.

2866 Section 29. **Effective Date.**

2867 (1) Except as provided in Subsection (2), this bill takes effect July 1, 2026.

2868 (2)(a) The actions affecting sections described in Subsection (2)(b) take effect:

2869 (i) except as provided in Subsection (2)(a)(ii), May 6, 2026; or

2870 (ii) if approved by two-thirds of all members elected to each house:

2871 (A) upon approval by the governor;

2872 (B) without the governor's signature, the day following the constitutional time
2873 limit of Utah Constitution, Article VII, Section 8; or

2874 (C) in the case of a veto, the date of veto override.

2875 (b) Subsection (2)(a) applies to the actions affecting the following sections:

2876 (i) Section 15A-3-107 (Effective upon governor's approval); and

2877 (ii) Section 15A-3-108 (Effective upon governor's approval).