

STATE CONSTRUCTION AND FIRE CODES AMENDMENTS

2024 GENERAL SESSION

STATE OF UTAH

**Chief Sponsor: Thomas W. Peterson**

Senate Sponsor: Curtis S. Bramble

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**LONG TITLE**

**General Description:**

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

**Highlighted Provisions:**

This bill:

- ▶ amends the statewide amendments to the International Building Code;
- ▶ amends the statewide amendments to the International Residential Code;
- ▶ amends the statewide amendments to the International Mechanical Code;
- ▶ amends the statewide amendments to the National Electrical Code;
- ▶ amends the statewide amendments to the International Existing Building Code;
- ▶ adopts the 2024 edition of the Liquefied Petroleum Gas Code; and
- ▶ amends statewide amendments to the International Fire Code.

**Money Appropriated in this Bill:**

None

**Other Special Clauses:**

This bill provides a special effective date.

**Utah Code Sections Affected:**

AMENDS:

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

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

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

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

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

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

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

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

42            **15A-3-102. Amendments to Chapters 1 through 3 of IBC.**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

~~[(16)]~~ (17) A new IBC, Section 308.2.5<sub>2</sub> is added as follows:

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

~~[(17)]~~ (18) IBC, Section 308.3<sub>2</sub> is deleted and replaced with the following:

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

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

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

Child care facilities

Foster care facilities

Detoxification facilities

Hospitals

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

Psychiatric hospitals"

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

~~[(19)]~~ (20) A new IBC, Section 308.3.3<sub>2</sub> is added as follows:

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

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

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

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

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

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

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

permanent in nature and not classified as Group R-1, R-2, R-4 or I, including:

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

Buildings that do not contain more than two dwellings

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

Congregate living facilities (nontransient) with 16 or fewer occupants

Boarding houses (nontransient)

Convents

Dormitories

Fraternities and sororities

Monasteries

Congregate living facilities (transient) with 10 or fewer occupants

Boarding houses (transient)

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

~~[(24)]~~ (25) IBC, Section 310.4.1, is deleted and replaced with the following:

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

~~[(25)]~~ (26) A new IBC Section 310.4.3 is added as follows: " 310.4.3 Child Care.

Areas used for child care purposes may be located in a residential dwelling unit under all of the following conditions and Section 429:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

254 joints and fasteners are taped and finished."

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

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

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

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

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

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

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

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

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

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

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

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

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

Note: To convert lb/ft<sup>2</sup> to kN/m<sup>2</sup>, multiply by 0.0479. To convert feet to meters, multiply by 0.3048.

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

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

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

(17) IRC, Section R301.6, is deleted and replaced with the following: "R301.6 Utah Snow Loads. The snow loads specified in Table R301.2(5b) shall be used for the jurisdictions identified in that table. Otherwise, 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."

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

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

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

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

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

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

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

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

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

Exceptions.

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

376 inches (762 mm) or less."

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

(1) IRC, Section 609.4.1, is deleted.

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

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

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

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

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

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

code"; and

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

(a) In the first sentence:

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

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

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

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

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

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

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

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

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

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

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

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

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

~~[(12)]~~ (13) In IRC, Section N1103.3.4 (R403.3.4):  
(a) in Subsection 1, the number 4 is changed to 8, the number 113.3 is changed to 170, the number 3 is changed to 6, the number 85 is changed to 114.6; and

(b) in Subsection 2:  
(i) on or after January 1, 2017, and before January 1, 2019, the number 4 is changed to 8 and the number 113.3 is changed to 226.5;  
(ii) on or after January 1, 2019, and before January 1, 2021, the number 4 is changed to 7 and the number 113.3 is changed to 198.2; and  
(iii) on or after January 1, 2021, the number 4 is changed to 6 and the number 113.3 is changed to 169.9.

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

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

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

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

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

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

"TABLE N1103.6.1 (R403.6.1)

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"

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

"TABLE N1106.4 (R406.4)

MAXIMUM ENERGY RATING INDEX

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

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

541 N1103.7.1[";]."

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

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

544 HVAC training from one of the following:

545 1. HVAC load calculation education from ACCA;

546 2. A recognized educational institution;

547 3. HVAC equipment manufacturer's training; or

548 4. Other recognized industry certification."

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

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

551 the last sentence is deleted.

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

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

554 M1401.3.1".

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

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

557 HVAC training from one of the following:

558 1. HVAC load calculation education from ACCA;

559 2. A recognized educational institution;

560 3. HVAC equipment manufacturer's training; or

561 4. Other recognized industry certification."

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

"P2902.1.2 General Installation Criteria.

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

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

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

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

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

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

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

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

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

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

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

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

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

681 floor.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

installed,".

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

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

"P2910.5 Potable water connections.

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

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

"P2910.9.5 Makeup water.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

1. On or above, but not more than 20 inches (508 mm) above a countertop or work surface.
2. In a countertop using receptacle outlet assemblies listed for use in countertops.
3. In a work surface using receptacle outlet assemblies listed for use in work surface or listed for use in countertops.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Standard reference number	Title	Referenced in code section number
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	Table P2902.3"

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

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

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

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

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

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

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

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

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

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

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

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

4. The requirements of this note apply to:

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

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

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

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

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

Exception: Section 502.20 applies to a manicure station in:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

930           "230.71 Maximum Number of Disconnects.

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

939           (1) Power monitoring equipment;

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

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

942           (4) Power-operable service disconnecting.

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

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

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

~~[(9)]~~ (10) ~~[H]~~ NEC, Section 314.27(C), is deleted and replaced with the following: "314.27(C) Boxes at Ceiling-Suspended (Paddle) Fan Outlets. Outlet boxes or outlet box systems used as the sole support of a ceiling-suspended (paddle) fan shall be listed, shall be marked by their manufacturer as suitable for this purpose, and shall not support ceiling-suspended (paddle) fans that weigh more than 32 kg (70 lb). For outlet boxes or outlet box systems designed to support ceiling-suspended (paddle) fans that weigh more than 16 kg (35 lb), the required marking shall include the maximum weight to be supported."

~~[(10)]~~ (11) ~~[H]~~ NEC, Section 406.9(C), is deleted and replaced with the following: "406.9(C) Bathtub and Shower Space. Receptacles shall not be installed within or directly over a bathtub or shower stall."

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

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

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

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

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

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

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

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

by the code official."

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

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

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

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

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

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

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

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

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

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

1000 demonstrates compliance of such items."

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

1037 "102.5 Application of residential code.

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

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

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

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

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

1047 "102.9 Matters not provided for.

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

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

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

1055 102.9.1 Limitation of emergency order.

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

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

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

1061 101.9.2 Right to appeal emergency order.

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

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

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

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

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

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

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

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

(2) For IFC, Chapter 2, Definitions:

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

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

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

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

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

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

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

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

1116       Subcategories are:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

1178           Child care facilities

1179           Foster care facilities

1180           Detoxification facilities

1181           Hospitals

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

1183           Psychiatric hospitals."

1184           ~~[(h)]~~ (j) In IFC, Chapter 2, Section 202, General Definitions, OCCUPANCY  
1185 CLASSIFICATION, Institutional Group I-2, a new section is added as follows:

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

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

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

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

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

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

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

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

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

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

1211 Buildings that do not contain more than two dwellings

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

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

1215 Boarding houses (nontransient)

1216 Convents

1217 Dormitories

1218 Fraternities and sororities

1219 Monasteries

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

1221 Boarding houses (transient)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

1267       (i) the structure:

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

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

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

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

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

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

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

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

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

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

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

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

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

1304 "507.1.2 Pre-existing subdivision lots.

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

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

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

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

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

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

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

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

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

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

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

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

Section 15. **Effective date.**

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

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