# Part 2
# Statewide Amendments to International Residential Code

**15A-3-201 General provision.**

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

(2) The statewide amendments to the following which may be applied to detached one- and two-family dwellings and multiple single-family dwellings shall be applicable to the corresponding provisions of the IRC:

(a) IBC under Part 1, Statewide Amendments to International Building Code;

(b) IPC under Part 3, Statewide Amendments to International Plumbing Code;

(c) IMC under Part 4, Statewide Amendments to International Mechanical Code;

(d) IFGC under Part 5, Statewide Amendments to International Fuel Gas Code;

(e) NEC under Part 6, Statewide Amendments to National Electrical Code; and

(f) IECC under Part 7, Statewide Amendments to International Energy Conservation Code.

Amended by Chapter 189, 2014 General Session

***Superseded 7/1/2025***

**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 R101.2, the words "one- and two-family dwellings" are deleted and replaced with "one- and two- family dwellings and three- and four- family dwellings of up to two levels".

(3) 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."

(4) In IRC Section R105.2, under Building, the following changes are made:

(a) Number 3 is deleted and replaced with the following: "3. Retaining walls retaining less than 4 feet (1219mm) of unbalanced fill, unless supporting a surcharge or requiring design per Section R404.4."

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

(5) In IRC, Section R105.2, a new exception is added: "11. Grade level, non-connected conex boxes, less than 350 square feet, used for storage only."

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

(7) 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 joints and fasteners are taped and finished."

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

(9) In IRC, Section R202, 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."

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

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

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

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

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

(15) 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."

(16) 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."

(17) 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."

(18) 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/ft2) | Elevation (ft) |
|---|---|---|---|
| Beaver | Beaver | 35 | 5886 |
| Brigham City | Box Elder | 42 | 4423 |
| Castle Dale | Emery | 32 | 5669 |
| Coalville | Summit | 57 | 5581 |
| Duchesne | Duchesne | 39 | 5508 |
| Farmington | Davis | 35 | 4318 |
| Fillmore | Millard | 30 | 5138 |
| Heber City | Wasatch | 60 | 5604 |
| Junction | Piute | 27 | 6030 |
| Kanab | Kane | 25 | 4964 |
| Loa | Wayne | 37 | 7060 |
| Logan | Cache | 43 | 4531 |
| Manila | Daggett | 26 | 6368 |
| Manti | Sanpete | 37 | 5620 |
| Moab | Grand | 21 | 4029 |
| Monticello | San Juan | 67 | 7064 |
| Morgan | Morgan | 52 | 5062 |
| Nephi | Juab | 39 | 5131 |
| Ogden | Weber | 37 | 4334 |
| Panguitch | Garfield | 41 | 6630 |
| Parowan | Iron | 32 | 6007 |
| Price | Carbon | 31 | 5558 |
| Provo | Utah | 31 | 4541 |
| Randolph | Rich | 50 | 6286 |
| Richfield | Sevier | 27 | 5338 |
| St. George | Washington | 21 | 2585 |
| Salt Lake City | Salt Lake | 28 | 4239 |
| Tooele | Tooele | 35 | 5029 |
| Vernal | Uintah | 39 | 5384 |

Note: To convert lb/ft2 to kN/m2, multiply by 0.0479. To convert feet to meters, multiply by 0.3048.1. Statutory requirements of the Authority Having Jurisdiction are not included in this state ground snow load table.

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."

(19) 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."

(20) 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."

(21) 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."

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

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

(24) 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."

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

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

(27) 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 inches (762 mm) or less."

(28) IRC, Section R312.2, is deleted.

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

(30) In IRC, Section R314.2.2, the words "accessory dwelling units," are added after the words "Where alterations, repairs."

(31) In IRC, Section R315.2.2, the words "accessory dwelling units," are added after the words "Where alterations, repairs."

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

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

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

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

(35) In IRC, Section R403.1.6, a new Exception 3 is added as follows: "3. When anchor bolt spacing does not exceed 32 inches (813 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."

(36) 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."

(37) 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."

(38) 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."

(39) 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.

Amended by Chapter 80, 2025 General Session

***Effective 7/1/2025***

**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 R101.2, Exception, the words "6. A triplex or fourplex of no more than two levels with 2-hour fire-resistance-rated vertical shared wall assemblies tested in accordance with ASTM E119 or UL263, 1-hour fire-resistance-rated horizontal floor assemblies tested in accordance with ASTM E119 or UL263, and independent egress for each unit." are added.

(3) 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."

(4) In IRC Section R105.2, under Building, the following changes are made:

(a) Number 3 is deleted and replaced with the following: "3. Retaining walls retaining less than 4 feet (1219mm) of unbalanced fill, unless supporting a surcharge or requiring design per Section R404.4."

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

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(10) In IRC, Section R202, the definition for "Approved Agency" is modified by replacing the word "and" with "or."
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(13) In IRC, Section R202, the definition of "Cross Connection" is deleted and replaced with the following: "CROSS CONNECTION. Any physical connection or potential connection or arrangement between two otherwise separate piping systems, one of which contains potable water and the other either water of unknown or questionable safety or steam, gas, or chemical, whereby there exists the possibility for flow from one system to the other, with the direction of flow depending on the pressure differential between the two systems (see "Backflow, Water Distribution")."
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| Castle Dale | Emery | 32 | 5669 |
| Coalville | Summit | 57 | 5581 |

| | | | |
|---|---|---|---|
| Duchesne | Duchesne | 39 | 5508 |
| Farmington | Davis | 35 | 4318 |
| Fillmore | Millard | 30 | 5138 |
| Heber City | Wasatch | 60 | 5604 |
| Junction | Piute | 27 | 6030 |
| Kanab | Kane | 25 | 4964 |
| Loa | Wayne | 37 | 7060 |
| Logan | Cache | 43 | 4531 |
| Manila | Daggett | 26 | 6368 |
| Manti | Sanpete | 37 | 5620 |
| Moab | Grand | 21 | 4029 |
| Monticello | San Juan | 67 | 7064 |
| Morgan | Morgan | 52 | 5062 |
| Nephi | Juab | 39 | 5131 |
| Ogden | Weber | 37 | 4334 |
| Panguitch | Garfield | 41 | 6630 |
| Parowan | Iron | 32 | 6007 |
| Price | Carbon | 31 | 5558 |
| Provo | Utah | 31 | 4541 |
| Randolph | Rich | 50 | 6286 |
| Richfield | Sevier | 27 | 5338 |
| St. George | Washington | 21 | 2585 |
| Salt Lake City | Salt Lake | 28 | 4239 |
| Tooele | Tooele | 35 | 5029 |
| Vernal | Uintah | 39 | 5384 |

Note: To convert lb/ft2 to kN/m2, multiply by 0.0479. To convert feet to meters, multiply by 0.3048.1. Statutory requirements of the Authority Having Jurisdiction are not included in this state ground snow load table.

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."

(19) In 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."

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(21) 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."

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

(23) In IRC, Section R302.13, is deleted.

(24) 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."

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

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

(27) 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 inches (762 mm) or less."

(28) In IRC, Section R312.2, is deleted.

(29) In IRC, Sections R313.1 through R313.2.1, are deleted and replaced with the following: "R313.1 Design and installation. When installed, automatic residential fire sprinkler systems for townhouses or one- and two-family dwellings shall be designed and installed in accordance with Section P2904 or NFPA 13D."
(30) In IRC, Section R314.2.2, the words "accessory dwelling units," are added after the words "Where alterations, repairs."
(31) In IRC, Section R315.2.2, the words "accessory dwelling units," are added after the words "Where alterations, repairs."
(32) In IRC, Section 315.3, the following words are added to the first sentence after the word "installed": "on each level of the dwelling unit and."
(33) A new IRC, Section R328.12, is added as follows:
"R328.12 Signage. A sign located on the exterior of the dwelling shall be installed at a location approved by the authority having jurisdiction which identifies the battery chemistry included in the ESS. This sign shall be of sufficient durability to withstand the environment involved and shall not be handwritten."
(34) In IRC, Section 403.1.3.5.3, an exception is added as follows: "Exception: Vertical steel in footings shall be permitted to be located while concrete is still plastic and before it has set. Where vertical steel resists placement or the consolidation of concrete around steel is impeded, the concrete shall be vibrated to ensure full contact between the vertical steel and concrete."
(35) In IRC, Section R403.1.6, a new Exception 3 is added as follows: "3. When anchor bolt spacing does not exceed 32 inches (813 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."
(36) 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."
(37) 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."
(38) 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."
(39) 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.
(40) In IRC, Section 507.2.1, Wood materials. The following sentence is added after the words, "in accordance with section R317," "field applied weather resistant barrier applied to the top of untreated material,".

Amended by Chapter 532, 2025 General Session

**15A-3-203 Amendments to Chapters 6 through 15 of IRC.**
(1) IRC, Section R609.4.1, is deleted.

(2) In IRC, Section N1101.4 (R102.1.1), a new section N1101.4.1 (R102.1.1) is added as follows: "N1101.4.1 National Green Building Standard. Buildings complying with ICC 700-2020 National Green Building Standard and achieving the Gold rating level for the energy efficiency category shall be deemed to exceed the energy efficiency required by this code. The building shall also meet the requirements identified in table N1105.2 and the building thermal envelope efficiency is greater than or equal to levels of efficiency and solar heat gain coefficients (SHGC) in Tables N1102.2.2 and N1102.1.3 of the 2009 IRC."

(3) 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 for building permits shall include only those items specified in Subsection 10-9a-542(8) or 17-27a-537(8) of the Utah Code."

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

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

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

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

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

(e) The following new sentence shall be inserted immediately prior to the last sentence: "Total Energy Transmittance values may be substituted for SHGC, and Luminous Transmission values may be substituted for VT."

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

(6) In IRC, Section N1101.13 (R401.2), in the first sentence, the words "Section N1101.13.5 and" are deleted.

(7) In IRC, Section N1101.13.5 (R401.2.5) is deleted.

(8) In IRC, Section N1101.14 (R401.3) Number 7, the words "and the compliance path used" are deleted.

(9) In IRC, Table N1102.1.2 (R402.1.2):

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

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

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

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

(b) in the column titled "Glazed Fenestration SHGC", the following change is made: in the row titled "Climate Zone 3" delete 0.25 and replace it with 0.35;

(c) in the column titled "Ceiling U-Factor" the following changes are made:

(i) in the row titled "Climate Zone 3" delete 0.026 and replace it with 0.030;

(ii) in the row titled "Climate Zone 5 and Marine 4" delete 0.024 and replace it with 0.026; and

(iii) in the row titled "Climate Zone 6" delete 0.024 and replace it with 0.026;

(d) in the column titled "Wood Frame Wall U Factor", the following changes are made:

(i) in the row titled "Climate Zone 3" delete 0.060 and replace it with 0.060;

(ii) in the row titled "Climate Zone 5 and Marine 4" delete 0.045 and replace it with 0.060; and

(iii) in the row titled "Climate Zone 6" delete 0.045 and replace it with 0.060;

(e) in the column titled "Basement Wall U-Factor" the following changes are made:

(i) in the row titled "Climate Zone 5 and Marine 4" delete 0.050 and replace it with 0.075; and

(ii) in the row titled "Climate Zone 6" delete 0.50 and replace it with 0.065; and

(f) in the column titled "Crawl Space Wall U-Factor" the following changes are made:

(i) in the row titled "Climate Zone 5 and Marine 4" delete 0.055 and replace it with 0.078; and

(ii) in the row titled "Climate Zone 6" delete 0.55 and replace it with 0.065.

(10) In IRC, Table N1102.1.3 (R402.1.3), the following changes are made:
(a) in the column titled "Wood Frame Walls R-Value" a new footnote indicator "j" is added and at the bottom of the footnotes the following footnote "j" is added: "j. In climate zone 3B and 5B, an R-15, and in climate zone 6, an R-20 shall be acceptable where air-impermeable insulation is installed in the cavity space, exterior continuous insulation, or some combination thereof; and the tested house air leakage is a maximum of 2.0 ACH50"; and
(b) add a new footnote "k" as follows: "k. 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 0.30 U-factor or lower, minimum heating equipment efficiency is for gas 95 AFUE, or for oil, 84 AFUE, and all other components requirements are met."
(11) In IRC, Table N1102.1.3 (R402.1.3) the following changes are made:
(a) in the column titled "Fenestration U-Factor" the following changes are made:
(i) in the row titled "Climate Zone 3" delete 0.30 and replace it with 0.32;
(ii) in the row titled "Climate Zone 5 and Marine 4" delete 0.30 and replace it with 0.32; and
(iii) in the row titled "Climate Zone 6" delete 0.30 and replace it with 0.32;
(b) in the column titled "Glazed Fenestration SHGC" the following change is made: in the row titled "Climate Zone 3" delete 0.25 and replace it with 0.35;
(c) in the Column R-Value the following changes are made:
(i) in the row titled "Climate Zone 3" delete 49 and replace it with 38;
(ii) in the row titled "Climate Zone 5 and Marine 4" delete 60 and replace it with 49; and
(iii) in the row titled "Climate Zone 6" delete 60 and replace it with 49;
(d) in the Column titled "Wood Frame Wall R-Value" the following changes are made:
(i) in the row titled "Climate Zone 3" delete all values and replace with 20+Oci or 13+5ci or 015ci;
(ii) in the row titled "Climate Zone 5 or Marine 4" delete all values and replace with 21+Oci or 15+5ci or 0+15ci; and
(iii) in the row titled "Climate Zone 6" delete all values and replace with 21+Oci or 15+5ci or 0+15ci;
(e) in the column titled "Basement Wall R Value" the following changes are made:
(i) in the row titled "Climate Zone 5 or Marine 4" delete all values and replace with 15+Oci or 0+11ci or 11+5ci; and
(ii) in the row titled "Climate Zone 6" delete all values and replace with 19+Oci or 0+13ci or 11+5ci;
(f) in the column titled "Slab R Value and Depth" the following changes are made:
(i) in the row titled "Climate Zone 3" delete 10ci. 2 ft and replace it with NR; and
(ii) in the row titled "Climate Zone 5 & Marine 4" delete 4 ft and replace it with 2 ft; and
(g) in the column titled "Crawl Space Wall R-Value" the following changes are made:
(i) in the row titled "Climate Zone 5 or Marine 4" delete all values and replace with 15+Oci or 0+11ci or 11+5ci; and
(ii) in the row titled "Climate Zone 6" delete all values and replace with 19+Oci or 0+13ci or 0+11+5ci.
(12) In IRC, a new subsection N1102.1.5.1 (R402.1.5.1) is added as follows: "1102.1.5.1 (R402.1.5.1) RESCheck 2012 Utah Energy Conservation Code. Compliance with section N1102.1.5 (R402.1.5) may be satisfied using the software RESCheck 2012 Utah Energy Conservation Code, which shall satisfy the R-value and U-factor requirements of N1102.1, N1102.2, and N1102.3, provided the following conditions are met:
(a) in "Climate Zone 5 and 6" the software result shall show 5% better than code; and

(b) in "Climate Zone 3", the software result shall show 5% better than code when software inputs for window U-factor .65 and window SHGC=0.40, notwithstanding actual windows installed shall conform to requirements of Tables N1102.1.2 (R402.1.2) and N1102.1.3 (R402.1.3)."

(13) 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 shall be permitted 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."

(14) In IRC, Section N1102.2.9.1 (R402.2.9.1) the numeral (i) is added before the words "cut at a 45 degree" and the following is added after the words "exterior wall": "or (ii) lowered from top of slab 4" when a 4" thermal break material such as, but not limited to, felt or asphalt impregnated fiber board, with a minimum thickness of 1/4" is installed at the upper 4" of slab".

(15) In IRC, Section N1102.4.1 (R402.4.1), in the first sentence, the word "and" is deleted and replaced with the word "or."

(16) 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."

(17) In IRC, Table N1102.4.1.1 (R402.4.1.1) in the column titled "COMPONENT, the following changes are made:

(a) In the row "Rim Joists" the word "exterior" in the first sentence is deleted, and the second sentence is deleted.

(b) In the row "Electrical/phone box on the exterior walls" the last sentence is deleted and replaced with: "Alternatively, close cell foam, caulking or gaskets may be used, or air sealed boxes may be installed."

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

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

(b) The following sentence is added after the fourth 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."

(c) In the first Exception the second sentence is deleted.

(19) IRC, Section N1103.3.3 (R403.3.3), is deleted.

(20) IRC Section N1103.3.3.1 (R403.3.3.1) is deleted.

(21) In IRC, Section N1103.3.5 (R403.3.5), the following changes are made:

(a) a second Exception is added as follows: "A duct leakage test shall not be required for any system designed such that no air handlers or ducts are located within unconditioned attics."; and

(b) the following is added at the end of the section: "The following parties shall be approved to conduct testing:

(i) Parties certified by BPT or RESNET; and

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

(22) In IRC, Section N1103.3.6 (R403.3.6) the following changes are made:

(a) in Subsection 1:

(i) the number 4.0 is changed to 6.0;

(ii) the number 113.3 is changed to 170;

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

(iv) the number 85 is changed to 141;

(b) in Subsection 2:

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

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

(c) Subsection 3 is deleted.

(23) In IRC, Section N1103.3.7 (R403.3.7) the words "or plenums" are deleted.

(24) In IRC, Section N1103.5.1.1 (R403.5.1.1) the words "Where installed" are added at the beginning of the first sentence.

(25) In IRC, Section N1103.5.2 (R403.5.2) the following change is made, Subsections 5 and 6 are deleted and Subsection 7 is renumbered to 5.

(26) IRC, Section N1103.6.2 (R403.6.2), is deleted and replaced with the following: "N1103.6.2 (R403.6.2) Whole-house mechanical ventilation system fan efficacy. Fans used to provide whole-house mechanical ventilation shall meet the efficacy requirements of Table N1103.6.2 (R403.6.2).

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."

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

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" |

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

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

(30) A new IRC, Section N1103.7.1 (R403.7.1) is added as follows: "N1103.7.1 Qualifications. An individual performing load calculations shall be qualified by completing HVAC training from one of the following:
1. HVAC load calculation education from ACCA;
2. A recognized educational institution;
3. HVAC equipment manufacturer's training; or
4. Other recognized industry certification."

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

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

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

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

(35) In IRC, section N1105.2 (R405.2) the following changes are made:
(a) In Subsection 3, the words "approved by the code official" are deleted; and
(b) In Subsection 3, the following words are added at the end of the sentence: "when applicable and readily available".

(36) In IRC, Section N1106.3 (R406.3) "Building thermal envelope" is deleted, and replaced with "Building thermal envelope and on-site renewables. The proposed total building thermal envelope UA, which is the sum of U-factor times assembly area, shall be less than or equal to the building thermal envelope UA using the prescriptive U-factors from Table N1102.1.2 multiplied by 1.15 in accordance with Equation 11-4. The area-weighted maximum fenestration SHGC permitted in Climate Zones 0 through 3 shall be: 0.30.UAProposed design =1.15xUAPrescriptive reference design (Equation 11-4)."

(37) In IRC, Section N1106.3.1 (R406.3.1) is deleted.

(38) In IRC, Section N1106.3.2 (R403.3.2) is deleted.

(39) In IRC, Section N1106.4 (R406.4) the following changes are made:
(a) In the first sentence, the words "in accordance with Equation 11-5" are deleted and replaced with: "permitted to be calculated using the minimum total air exchange rate for the rated home (Qtot) and for the index adjustment factor in accordance with Equation 11.5.";
(b) In equation 11-5, the words "Ventilation rate, CFM" are deleted and replaced with: "Qtot"; and
(c) In the last sentence the number "5" is deleted and replaced with "15".

(40) In IRC N1106.5, in the column titled "ENERGY RATING INDEX" of Table R406.5, the following changes are made:
(a) In the row for "Climate Zone 3", "51" is deleted and replaced with "65";
(b) In the row for "Climate Zone 5", "55" is deleted and replaced with "69"; and
(c) In the row for "Climate Zone 6", "54" is deleted and replaced with "68".

(41) In IRC, Section N1108 (R408) is deleted.

(42) In IRC, Section M1401.3 the word "approved" is deleted in the first sentence and the following is added after the word methodologies ", complying with M1401.3.1".

(43) A new IRC, Section M1401.3.1, is added as follows: "M1401.3.1 Qualifications. An individual performing load calculations shall be qualified by completing HVAC training from one of the following:
1. HVAC load calculation education from ACCA;
2. A recognized educational institution;
3. HVAC equipment manufacturer's training; or
4. Other recognized industry certification."

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

(45) In IRC, Section M1403.1, the characters "/ANCE" are deleted.
(46) IRC, Section M1411.9, is deleted.
(47) In IRC, Section M1412.1, the characters "/ANCE" are deleted.
(48) In IRC, Section M1413.1, the characters "/ANCE" are deleted.

Amended by Chapter 399, 2025 General Session

**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 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) In IRC, Section 2503.5.1, #2 Air Test is deleted and replaced with the following: "Where water is not available at the construction site or where freezing conditions limit the use of water on the construction site, plastic drainage and vent pipe may be permitted to be tested with air. The following procedures shall be followed:
  (a) Proper personal protective equipment, including safety eyewear and protective headgear, should be worn by all individuals in any area where an air or gas test is being conducted.
  (b) Contractor shall take all precautions necessary to limit the pressure within the plastic piping.
  (c) No drain and vent system shall be pressurized in excess of 6 psi as measured by accurate gauges graduated to no more than three times the test pressure.
  (d) The pressure gauge shall be monitored during the test period, which should not exceed 15 minutes.
  (e) At the conclusion of the test, the system shall be depressurized gradually, all trapped air or gases should be vented, and test balls and plugs should be removed with caution."
(4) In IRC, Section P2503.8, the word "devices" is deleted and replaced with the word "assemblies."
(5) IRC, Section P2503.8.2, 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."

Amended by Chapter 505, 2024 General Session

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

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

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

(2) A new IRC, Section P2602.3, is added as follows: "P2602.3 Individual 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 and 73-3-25, as administered by the Department of Natural Resources, Division of Water Rights. In addition, the quality of the water shall be approved by the local health department having jurisdiction."

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

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

(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, devises, 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:

"P2902.1.1 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 Specific Installation Criteria.

P2902.1.3 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.

P2902.1.4 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 floor.

c. 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.

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

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

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

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

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

c. 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.

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

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

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

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

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

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

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

Amended by Chapter 505, 2024 General Session

***Superseded 7/1/2025***

**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."
(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.

(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."

(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."

(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."

(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."

(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."

(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.

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

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

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

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

(15) IRC, Section 3902.10, is deleted.

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

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

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

(19) IRC, Section 3902.16, Equipment requiring servicing, is deleted.

(20) IRC Section 3902.17, Outdoor outlets, is deleted.

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

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

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

(24) IRC, Section 4002.11, is deleted and replaced with the following: "4002.11 Bathtub and Shower Space. Receptacles shall not be installed within or directly over a bathtub or shower stall."
(25) IRC, Chapter 44, is amended by deleting the standard for "ANCE."
(26) In IRC, Chapter 44, the standard for ASHRAE is amended by changing "34-2013" to "34-2019."
(27) In IRC, Chapter 44, the standard for CSA, is amended by changing the:
(a) standard reference number "UL/CSA/ANCE 60335-2-40-2012" to "UL/CSA 60335-2-40-2019"; and
(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."
(28) 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."
(29) In IRC, Chapter 44, the standard for ANSI/RESNET/ICC 201-2019 Section 4.4.4 is added as follows: "4.4.4. Air Source Heat Pumps and Air Conditioners. For Heat Pumps and Air Conditioners with the more recent Manufacturers Equipment Performance Ratings (HSPF2 or SEER2) available, and HSPF and SEER are not available, these ratings shall be converted to HSPF and SEER values by dividing HSPF2 or SEER2 by the conversion factors in Table 4.4.4.1(1). If the type of equipment is not determined, the conversion shall default to the Ducted Split System factors. All calculations, including Equation 4.1-1a shall use HSPF or SEER values as made available by the Manufacturer or converted as specified in this section. Table 4.4.4.1(1) SEER2 and HSPF2 Conversion Factors3.

| Equipment Type | SEER2/ SEER | EER/EER4 | HSPF/ HSPF |
|---|---|---|---|
| Ductless Systems | 1.00 | 1.00 | 0.90 |
| Ducted Split System | 0.95 | 0.95 | 0.85 |
| Ducted Package System | 0.95 | 0.95 | 0.84 |
| Small Duct High Velocity System | 1.00 | not applicable | 0.85 |
| Ducted Space-Constrained Air Conditioner | 0.97 | not applicable | not applicable |
| Ducted Space-Constrained Heat Pump | | not applicable | 0.85 |

(30) 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" |

(31) 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."

(32)

(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 (27)(a) is not required.

Amended by Chapter 505, 2024 General Session

***Effective 7/1/2025***

**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."

(4) In IRC, Section E3705.4.4, the following sentences are deleted:
"Where more than two NM cables containing two or more current-carrying conductors are installed, without maintaining space between the cables, through the same opening in wood framing should be sealed with thermal insulation, caulk or sealing foam. The allowable ampacity of each conductor shall be adjusted in accordance with Table E3705.3 and the provisions of Section E3701.3. Exception. may not apply."

(5) 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."

(6) IRC, Section E3901.4.3, is deleted and replaced with the following:
"E3901.4.3 Receptacle Outlet Location. When installed, 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."

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

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

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

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

(11) 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.

(12) In IRC, Section 3902.6, after the word "125-volt" add "single phase 15 and 20 ampere" and strike the words "through 250 volt."

(13) In IRC, Section 3902.7, after the word "125-volt" add "single phase 15 and 20 ampere" and strike the words "through 250 volt."

(14) In IRC, Section 3902.8, after the word "125-volt" add "single phase 15 and 20 ampere" and strike the words "through 250 volt."

(15) In IRC, Section 3902.9, after the word "125-volt" add "single phase 15 and 20 ampere" and strike the words "through 250 volt."

(16) IRC, Section 3902.10, is deleted.

(17) In IRC, Section 3902.12, after the word "125-volt" add "single phase 15 and 20 ampere" and strike the words "through 250 volt."

(18) In IRC, Section 3902.13, after the word "125-volt" add "single phase 15 and 20 ampere" and strike the words "through 250 volt."

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

(20) IRC, Section 3902.16, Equipment requiring servicing, is deleted.

(21) IRC Section 3902.17, Outdoor outlets, is deleted.

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

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

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

(25) IRC, Section 4002.11, is deleted and replaced with the following: "4002.11 Bathtub and Shower Space. Receptacles shall not be installed within or directly over a bathtub or shower stall."

(26) IRC, Chapter 44, is amended by deleting the standard for "ANCE."

(27) In IRC, Chapter 44, the standard for ASHRAE is amended by changing "34-2013" to "34-2019."

(28) In IRC, Chapter 44, the standard for CSA, is amended by changing the:

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

(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."

(29) 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."

(30) In IRC, Chapter 44, the standard for ANSI/RESNET/ICC 201-2019 Section 4.4.4 is added as follows: "4.4.4. Air Source Heat Pumps and Air Conditioners. For Heat Pumps and Air Conditioners with the more recent Manufacturers Equipment Performance Ratings (HSPF2 or SEER2) available, and HSPF and SEER are not available, these ratings shall be converted to HSPF and SEER values by dividing HSPF2 or SEER2 by the conversion factors in Table 4.4.4.1(1). If the type of equipment is not determined, the conversion shall default to the Ducted Split System factors. All calculations, including Equation 4.1-1a shall use HSPF or SEER values as made available by the Manufacturer or converted as specified in this section. Table 4.4.4.1(1) SEER2 and HSPF2 Conversion Factors3.

| Equipment Type | SEER2/ SEER | EER/EER4 | HSPF/ HSPF |
|---|---|---|---|
| Ductless Systems | 1.00 | 1.00 | 0.90 |
| Ducted Split System | 0.95 | 0.95 | 0.85 |
| Ducted Package System | 0.95 | 0.95 | 0.84 |
| Small Duct High Velocity System | 1.00 | not applicable | 0.85 |
| Ducted Space-Constrained Air Conditioner | 0.97 | not applicable | not applicable |
| Ducted Space-Constrained Heat Pump | | not applicable | 0.85" |

(31) 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" |

(32) 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."

(33)

(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 (28)(a) is not required.

Amended by Chapter 532, 2025 General Session