

## AGENCY PUBLIC NOTICE

Date filed:	Time filed:
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<b>1.</b>	<b>Agency:</b>	Commerce/Division of Occupational and Professional Licensing		
	<b>Room no.:</b>			
	<b>Building:</b>	Heber M. Wells Building		
	<b>Street address 1:</b>	160 East 300 South		
	<b>Street address 2:</b>			
	<b>City, state, zip:</b>	Salt Lake City UT 84111-2316		
	<b>Mailing address 1:</b>	PO Box 146741		
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	<b>City, state, zip:</b>	Salt Lake City UT 84114-6741		
	<b>Contact person(s):</b>			
	<b>Name:</b>	<b>Phone:</b>	<b>Fax:</b>	<b>E-mail:</b>
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(Interested persons may inspect this notice at the above address or at DAR between 8:00 a.m. and 5:00 p.m. on business days.)

<b>2.</b>	<b>Title:</b>	
		State Construction Code Amendments under Utah State Construction Code Administration Act

<b>3.</b>	<b>Summary:</b>	
		<p>Pursuant to the requirements of the State Construction Code Administration Act, a public hearing regarding proposed construction code amendments will be held Wednesday, August 22, 2012 at 9:00 a.m. at the Sandy City Fire Station located at 9010 South 150 East, Lower Level, Sandy, Utah. See the attached two-part document for full details and summary of proposed building codes and amendments. The attached document has two parts: Part 1 - Proposed Building Code and Amendments under Utah Uniform Building Standards Act and Part 2 - Summary of Recommended Codes and Amendment Changes. The second part is a summary and explanation of the changes proposed in the first part. It should be noted that the proposed changes are made with strikethrough and underline as if making changes to existing statute, which have adopted the current building codes. This format is used for easier identification of items that are recommended for changes. Building codes are adopted by the Legislature after receiving a recommendation from the Uniform Building Code Commission. The Uniform Building Code Commission is obligated under the Uniform Building Standards Act to have a public hearing regarding the proposed changes to the building codes. This public notice and scheduled public hearing are for the Uniform Building Code Commission to receive public comments on the proposed building codes and amendments prior to making its recommendation to the legislative Business and Labor Interim Committee.</p>

<b>4.</b>	<b>Attach an RTF document containing the text of this public notice filename):</b>	

PART 1

**Proposed Building Codes and Amendments under Utah  
Uniform Building Standards Act**

**CHAPTER 2. ADOPTION OF STATE CONSTRUCTION CODE**

**Part 1. General Provisions**

**15A-2-101. Title -- Adoption of code.**

- (1) This chapter is known as the "Adoption of State Construction Code."
- (2) In accordance with Chapter 1, Part 2, State Construction Code Administration Act, the Legislature repeals the State Construction Code in effect on July 1, 2010, and adopts the following as the State Construction Code:
  - (a) this chapter;
  - (b) Chapter 3, Statewide Amendments Incorporated as Part of State Construction Code; and
  - (c) Chapter 4, Local Amendments Incorporated as Part of State Construction Code.

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

As used in this chapter and Chapters 3 and 4:

- (1) "HUD Code" means the Federal Manufactured Housing Construction and Safety Standards Act, as issued by the Department of Housing and Urban Development and published in 24 C.F.R. Parts 3280 and 3282 (as revised April 1, 1990).
- (2) "IBC" means the edition of the International Building Code adopted under Section 15A-2-103.
- (3) "IECC" means the edition of the International Energy Conservation Code adopted under Section 15A-2-103.
- (4) "IFGC" means the edition of the International Fuel Gas Code adopted under Section 15A-2-103.
- (5) "IMC" means the edition of the International Mechanical Code adopted under Section 15A-2-103.
- (6) "IPC" means the edition of the International Plumbing Code adopted under Section 15A-2-103.
- (7) "IRC" means the edition of the International Residential Code adopted under Section 15A-2-103.
- (8) "NEC" means the edition of the National Electrical Code adopted under Section 15A-2-103.
- (9) "UWUI" means the edition of the Utah Wildland Urban Interface Code adopted under Section 15A-2-103.

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

- (1) Subject to the other provisions of this part, the following construction codes are incorporated by reference, and together with the amendments specified in Chapter 3, Statewide Amendments to International Plumbing Code, and Chapter 4, Local Amendments Incorporated as part of State Construction Code, are the construction standards to be applied to building construction, alteration, remodeling, and repair, and in the regulation of building construction, alteration, remodeling, and repair in the state:
  - (a) the ~~2009~~ 2012 edition of the International Building Code, including Appendix J, issued by the International Code Council;
  - (b) the ~~2009~~ 2012 edition of the International Residential Code, issued by the International Code Council;
  - (c) the ~~2009~~ 2012 edition of the International Plumbing Code, issued by the International Code Council;
  - (d) the ~~2009~~ 2012 edition of the International Mechanical Code, issued by the International Code Council;
  - (e) the ~~2009~~ 2012 edition of the International Fuel Gas Code, issued by the International Code Council;
  - (f) the 2011 edition of the National Electrical Code, issued by the National Fire Protection Association;
  - (g) the ~~2009~~ 2012 edition of the International Energy Conservation Code, issued by the International Code Council;
  - (h) subject to Subsection 15A-2-104(2), the HUD Code;
  - (i) subject to Subsection 15A-2-104(1), Appendix E of the ~~2009~~ 2012 edition of the International Residential Code, issued by the International Code Council; and
  - (j) subject to Subsection 15A-2-104(1), the 2005 edition of the NFPA 225 Model Manufactured Home Installation Standard, issued by the National Fire Protection Association.
- (2) Consistent with Title 65A, Chapter 8, Management of Forest Lands and Fire Control, the Legislature adopts the 2006 edition of the Utah Wildland Urban Interface Code, issued by the International Code Council, with the alternatives or amendments approved by the Utah Division of Forestry, as a construction code that may be adopted by a local compliance agency by local ordinance or other similar action as a local amendment to the codes listed in this section.

**15A-2-104. Installation standards for manufactured housing.**

- (1) The following are the installation standards for manufactured housing for new installations or for existing manufactured or mobile homes that are subject to relocation, building alteration, remodeling, or rehabilitation in the state:
  - (a) The manufacturer's installation instruction for the model being installed is the primary standard.
  - (b) If the manufacturer's installation instruction for the model being installed is not available or is incomplete, the following standards apply:
    - (i) Appendix E of the ~~2009~~ 2012 edition of the IRC, as issued by the International Code Council for installations defined in

- Section AE101 of Appendix E; or
    - (ii) if an installation is beyond the scope of the ~~2009~~ 2012 edition of the IRC as defined in Section AE101 of Appendix E, the 2005 edition of the NFPA 225 Model Manufactured Home Installation Standard, issued by the National Fire Protection Association.
  - (c) A manufacturer, dealer, or homeowner is permitted to design for unusual installation of a manufactured home not provided for in the manufacturer's standard installation instruction, Appendix E of the ~~2009~~ 2012 edition of the IRC, or the 2005 edition of the NFPA 225, if the design is approved in writing by a professional engineer or architect licensed in Utah.
  - (d) For a mobile home built before June 15, 1976, the mobile home shall also comply with the additional installation and safety requirements specified in Chapter 3, Part 8, Installation and Safety Requirements for Mobile Homes Built Before June 15, 1976.
- (2) Pursuant to the HUD Code Section 604(d), a manufactured home may be installed in the state that does not meet the local snow load requirements as specified in Chapter 3, Part 2, Statewide Amendments to IRC, except that the manufactured home shall have a protective structure built over the home that meets the IRC and the snow load requirements under Chapter 3, Part 2, Statewide Amendments to IRC.

**15A-2-105. Scope of application.**

- (1) To the extent that a construction code adopted under Section 15A-2-103 establishes a local administrative function or establishes a method of appeal which pursuant to Section 15A-1-207 is designated to be established by the compliance agency:
  - (a) that provision of the construction code is not included in the State Construction Code; and
  - (b) a compliance agency may establish provisions to establish a local administrative function or a method of appeal.
- (2) (a) To the extent that a construction code adopted under Subsection (1) establishes a provision, standard, or reference to another code that by state statute is designated to be established or administered by another state agency, or a local city, town, or county jurisdiction:
  - (i) that provision of the construction code is not included in the State Construction Code; and
  - (ii) the state agency or local government has authority over that provision of the construction code.
- (b) Provisions excluded under this Subsection (2) include:
  - (i) the International Property Maintenance Code;
  - (ii) the International Private Sewage Disposal Code, authority over which is reserved to the Department of Health and the Department of Environmental Quality;
  - (iii) the International Fire Code, authority over which is reserved to the board, pursuant to Section 15A-1-403;
  - (iv) a day care provision that is in conflict with Title 26, Chapter 39, Utah Child Care Licensing Act, authority over which is

- designated to the Utah Department of Health; and
    - (v) a wildland urban interface provision that goes beyond the authority under Section 15A-1-204, for the State Construction Code, authority over which is designated to the Utah Division of Forestry or to a local compliance agency.
- (3) If a construction code adopted under Subsection 15A-2-103(1) establishes a provision that exceeds the scope described in Chapter 1, Part 2, State Construction Code Administration Act, to the extent the scope is exceeded, the provision is not included in the State Construction Code.

## CHAPTER 3. STATEWIDE AMENDMENTS INCORPORATED AS PART OF STATE CONSTRUCTION CODE

### Part 1. Statewide Amendments to IBC

#### 15A-3-101. General provision.

The amendments in this part are adopted as amendments to the IBC to be applicable statewide.

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

- (1) IBC, Section 106, is deleted.
- (2) (a) In IBC, Section 110, a new section is added as follows: "110.3.5, Weather-resistant exterior wall envelope. An inspection shall be made of the weather-resistant exterior wall envelope as required by Section 1403.2, and flashing as required by Section 1405.4 to prevent water from entering the weather-resistive barrier."  
(b) The remaining sections of IBC, Section 110, are renumbered as follows: 110.3.6, Lath or gypsum board inspection; 110.3.7, Fire- and smoke-resistant penetrations; 110.3.8 Energy efficiency inspections; 110.3.9, Other inspections; 110.3.10, Special inspections; and 110.3.11, Final inspection.
- (3) IBC, Section 115.1, is deleted and replaced with the following: "115.1 Authority. Whenever the building official finds any work regulated by this code being performed in a manner either contrary to the provisions of this code or other pertinent laws or ordinances or is dangerous or unsafe, the building official is authorized to stop work."
- (4) ~~In IBC, Section 202, the definition for "Assisted Living Facility" is deleted and replaced with the following: "ASSISTED LIVING FACILITY. See Section 308.1.1."~~  
In IBC, Section 202, the following definition is added for Ambulatory Surgical Center: "AMBULATORY SURGICAL CENTER. A building or portion of a building licensed by the Utah Department of Health 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."
- (5) ~~In IBC, Section 202, the definition for "Child Care Facilities" is deleted and replaced with the following: "CHILD CARE FACILITIES. See Section 308.3.1. Foster Care Facilities is modified by changing the word "Foster" to "Child."~~
- (6) In IBC, Section 202, the definition for "[F]Record Drawings" is modified by deleting the words "a fire alarm system" and replacing them with "any fire

protection system”.

- (7) In IBC, Section 202, the following definition is added for Residential Treatment/Support Assisted Living Facility: “RESIDENTIAL TREATMENT/SUPPORT ASSISTED LIVING FACILITY. See Section 308.1.2.”
- (8) In IBC, Section 202, the following definition is added for Type I Assisted Living Facility: “TYPE I ASSISTED LIVING FACILITY. See Section 308.1.2.”
- (9) In IBC, Section 202, the following definition is added for Type II Assisted Living Facility: “TYPE II ASSISTED LIVING FACILITY. See Section 308.1.2.”
- ~~(6)~~ (10) In the list in IBC, Section 304.1 the following words are added after the words, “Ambulatory health care facilities”; is deleted and replaced with “Ambulatory health care facilities with four or fewer surgical operating rooms. “where four or more care recipients are rendered incapable of self preservation.”
- ~~(7)~~ (11) In IBC, Section 305.2, is deleted and replaced with the following: “305.2 Day care. The use of a building or structure, or portion thereof, for educational, supervision, child day care centers, or personal care services of more than four children shall be classified as a Group E occupancy. See Section 424 for special requirements for Group E child day care centers.
- ~~Exception: — Areas used for child day care purposes with a Residential Certificate or a Family License, as defined 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 Section 310.1 or shall comply with the International Residential Code in accordance with Section 101.2. Areas used for Hourly Child Care Centers, as defined in Utah Administrative Code, R430-60, or Out of School Time Programs, as defined in Utah Administrative Code, R430-70, may be classified as accessory occupancies.”~~
- the words “child care centers,” are inserted after the word “supervision,” and the following sentence is added at the end of the paragraph: See Section 425 for special requirements for Day Care.”
- (12) In IBC, Section 305.2.2 and 305.2.3, the word “five” is deleted and replaced with the word “four” in both places.
- (13) A new IBC Section 305.2.4 is added as follows: “305.2.4 Child Day Care – Residential Certificate or a Family License. Areas used for child day care purposes with a Residential Certificate R430-50 or a Family License, as defined 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 Section 310.5 or shall comply with the International Residential Code in accordance with Section R101.2.”
- (14) A new IBC Section 305.2.5 is added as follows: “305.2.5 Child Care Centers. Areas used for Hourly Child Care Centers, as defined in Utah Administrative Code, R430-60, Child Care Center as

defined in Utah Administrative Code, R430-100, or Out of School Time Programs, as defined in Utah Administrative Code, R430-70, may be classified as accessory occupancies.

~~(8)~~ (15) ~~In A new IBC, Section 308.2.1, the following definitions are added is added as follows:~~

~~"308.42.1 Definitions Assisted living facilities and related occupancies.~~

The following words and terms shall, for the purposes of this section and as used elsewhere in this code, have the meanings shown herein.

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

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

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

~~SEMI-INDEPENDENT~~ Semi-Independent. A person who is:

- ~~\_\_\_\_\_~~A. Physically disabled but able to direct his or her own care; or
- ~~\_\_\_\_\_~~B. Cognitively impaired or physically disabled but able to evacuate from the facility with the physical assistance of one person.

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

RESIDENTIAL TREATMENT/SUPPORT ASSISTED LIVING FACILITY.

A residential treatment/support assisted living facility which creates a group living environment for four or more residents licensed by the Utah Department of 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."

~~(9)~~ ~~In IBC, Section 308.2, the words "Assisted living facilities" are deleted and replaced with "Type I Assisted living facilities."~~

~~(10)~~ (16) ~~In IBC, Section 308.3, is deleted and replaced with the following:~~

~~"308.3 Group I-2. This occupancy shall include buildings and structures used for medical, surgical, psychiatric, nursing, or custodial care on a 24-~~

~~hour basis of more than three persons who are not capable of self-preservation. This group shall include, but not be limited to the following: hospitals, nursing homes (both intermediate care facilities and skilled nursing facilities), mental hospitals, detoxification facilities, ambulatory surgical centers with five or more operating rooms where care is less than 24 hours, and type II assisted living facilities. Type II assisted living facilities with five or fewer persons shall be classified as a Group R-4. Type II assisted living facilities as defined in 308.1.1 with at least six and not more than sixteen residents shall be classified as a Group I-1 facility. the words "(see Section 308.2.1)" are added after the words "assisted living facilities".~~

- ~~(11) (17) In IBC, Section 308.3.1, the definition for "CHILD CARE FACILITIES" is deleted and replaced with the following: "CHILD CARE FACILITIES. A child care facility, as licensed by the Utah Department of Human Services in Utah Administrative Code, R501, that provides care on a 24-hour basis to more than four children 2 1/2 years of age or less shall be classified as Group I-2." all of the words after the first International Residential Code are deleted.~~
- ~~(18) In IBC, Section 308.4, the following changes are made:~~
- ~~(a) "The words "five persons" are deleted and replaced with the words "three persons."~~
  - ~~(b) "The words "foster care facilities" are deleted and replaced with "child care facilities."~~
  - ~~(c) "The words "(both intermediate care facilities and skilled nursing facilities)" are added after nursing homes."~~
  - ~~(d) "The words "Ambulatory Surgical Centers with five or more operating rooms" are added to the list."~~
- ~~(19) In IBC, Section 308.4.1, the word "five" is deleted and replaced with the word "three" in both places."~~
- ~~(12) IBC, Section 308.5, is deleted and replaced with the following: "308.5 Group I-4, day care facilities. This group shall include buildings and structures occupied by persons of any age who receive custodial care less than 24 hours by individuals other than parents or guardians, relatives by blood, marriage, or adoption, and in a place other than the home of the person cared for. A facility such as the above with four or fewer persons shall be classified as an R-3 or shall comply with the International Residential Code in accordance with Section 101.2. Places of worship during religious functions and Group E child day care centers are not included."~~
- ~~(13) IBC, Section 308.5.2, is deleted.~~
- ~~(20) In IBC, Section 308.6, the word "five" is deleted and replaced with the word "four".~~
- ~~(21) In IBC, Section 308.6.1, the following changes are made:~~
- ~~a. The word "five" is deleted and replaced with the word "four".~~
  - ~~b. The words "2 ½ years or less of age" are deleted and replaced with "under the age of two".~~
  - ~~c. The following sentence is added at the end: "See Section 425 for special requirements for Day Care."~~
- ~~(22) In IBC, Section 308.6.3 and 308.6.4, the word "five" is deleted and~~

replaced with the word “four” in both places and the following sentence is added at the end: “See Section 425 for special requirements for Day Care.”

- ~~(14) In IBC, Section 310.1, in the subsection designated as R-1, at the end of the sentence beginning with "Congregate living facilities" the following is added: "or shall comply with the International Residential Code."~~
- ~~(15) In IBC, Section 310.1, in the subsection designated as R-2, at the end of the sentence beginning with "Congregate living facilities" the following is added: "or shall comply with the International Residential Code."~~
- ~~(16) In IBC, Section 310.1, the following is added at the end of the subsection designated as R-3: "Areas used for day care purposes may be located in a residential dwelling unit under all of the following conditions:~~
- ~~1. Compliance with the 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 Utah Department of Health, as enacted under the authority of the Utah Code, Title 26, Chapter 39, Utah Child Care Licensing Act, 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."~~
- ~~(17) In IBC, Section 310.1, the subsection designated as R-4 is deleted and replaced with the following: "R-4: Residential occupancies shall include buildings arranged for occupancy as Type I Assisted Living Facilities or Residential Treatment/Support Assisted Living Facilities including more than five but not more than 16 residents, excluding staff. Group R-4 occupancies shall meet the requirements for construction as defined for Group R-3 except as otherwise provided for in this code."~~
- ~~(18) In IBC, Section 310.2, the definition for "Residential Care/Assisted Living Facilities" is deleted and replaced with the following: "Assisted Living Facilities, see Section 308.1.1"~~
- ~~(23) In IBC, Section 310.5, the words “and single family dwellings complying with the IRC” are added after the word “Residential occupancies”.~~
- ~~(24) In IBC, Section 310.5.1, the words “other than Child Care” are inserted after the word “dwelling” in the first sentence and the following sentence is added at the end” “See Section 425 for special requirements for Child Day Care.”~~
- ~~(25) A new IBC, Section 310.5.2 is added as follows:~~
- ~~“310.5.2 Child Care. Areas used for child care purposes may be located in a residential dwelling unit under all of the following conditions and Section 425:~~
- ~~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 Utah Department of Health, as enacted under the authority of the Utah Code, Title 26, Chapter 39, Utah Child Care Licensing Act, 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) In IBC, Section 310.6, the words "(see Section 308.2.1)" are added after the words "assisted living facilities".

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

- (1) Section IBC, 403.5.5, is deleted.
- (2) IBC Section (F)406.5.8 is deleted and replaced with the following:  
"(F)406.5.8 Standpipe system. An open parking garage shall be equipped with an approved Class I manual standpipe system when fire department access is not provided for firefighting operations to within 150 feet of all portions of the open parking garage as measured from the approved fire department vehicle access.  
Exception: Open parking garages equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1 and a standpipe system is not required by section 905.3.1."
- (3) A new IBC Section (F)406.5.8.1 is added as follows:  
"(F) 406.5.8.1 Installation requirements. Class I manual standpipe shall be designed and installed in accordance with section 905 and NFPA 14. Class I manual standpipe shall be accessible throughout the parking garage such that all portions of the parking structure are protected within 150 feet of a hose connection."
- (2) ~~In IBC, Section 422.1, the words "Sections 422.1 to 422.6" are replaced with "Sections 422.1 to 422.7".~~
- (3) ~~In IBC, Section 422, a new section is added as follows: "422.7 Separation. Occupancies classified as Group B Ambulatory Health Care Facilities shall be separated from all surrounding tenants and occupancies in accordance with Table 508.4 but not less than one-hour fire barrier when the suite is capable of providing care for four or more care recipients who are incapable of self preservation."~~
- (4) In IBC, Section 422.2, a new paragraph is added as follows: "422.2 Separations: Ambulatory care facilities licensed by the Utah Department of Health shall be separated from adjacent tenants with a fire barrier having a minimum one hour fire-resistance rating. Any level below the level of exit discharge shall be separated from the level of exit discharge by a horizontal assembly having a minimum one hour fire-resistance rating.  
Exception: A fire barrier is not required to separate the level of exit discharge when:
  - 1. Such levels are under the control of the Ambulatory Care Facility.
  - 2. Any hazardous spaces are separated by horizontal assembly having a minimum one hour fire-resistance rating."
- (4) ~~A new IBC, Section 424, is added as follows: "Section 424 Group E Child Day Care Centers. Group E child day care centers shall comply with Section 424—.~~

~~424.1 Location at grade. Group E child day care centers shall be located at the level of exit discharge.~~

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

~~424.2 Egress. All Group E child day care spaces with an occupant load of more than 10 shall have a second means of egress. If the second means of egress is not an exit door leading directly to the exterior, the room shall have an emergency escape and rescue window complying with Section 1029.~~

~~424.3 All Group E Child Day Care Centers shall comply with Utah Administrative Code, R430-100, Child Care Centers."~~

(5) A new IBC Section 425, Day Care is added as follows:

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

425.2 Definitions.

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

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

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

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

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

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

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

425.3. Family Day Care.

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

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

425.3.2.1 Residential Certificate Child Care and Licensed Family Child Care with five to eight clients in a home, located on the ground level or in a basement, may use an emergency escape or rescue window as allowed in IFC, Chapter 10, Section 1029.

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

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

425.3.4.1 Clients under the age of two may be housed above or below the first story where there is at least one exit that leads directly to the outside and complies with IFC, Section 1009 or Section 1010 or Section 1026.

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

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

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

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

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

425.4 Day Care Centers.

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

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

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

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

425.4.4 Egress. All Group E child day care spaces with an occupant load of more than 10 shall have a second means of egress. If the second means of egress is not an exit door leading directly to the exterior, the room shall have an emergency escape and rescue window complying with Section 1029.

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

425.5 Requirements for all Day Care

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

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

- ~~(5)~~(6) In IBC, Section 504.2, a new section is added as follows: "504.2.1 Notwithstanding the exceptions to Section 504.2, Group I-2 Assisted Living Facilities shall be allowed to be two stories of Type V-A construction when all of the following apply:
1. All secured units are located at the level of exit discharge in compliance with Section 1008.1.9.3 as amended;
  2. The total combined area of both stories shall not exceed the total allowable area for a one-story building; and
  3. All other provisions that apply in Section 407 have been provided."

- ~~(6)~~ In IBC, Table 508.4, a new footnote ~~ge~~ is added as follows: "~~ge~~. See Section 422.7 for additional requirements of Group B Ambulatory Health Care Facilities."

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

~~In IBC, Section 707.5.1, a new exception 4 is added as follows: "4. Group B Ambulatory Health Care Facilities."~~

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

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

- 901.8.2 A minimum clear and unobstructed distance of 12-inches shall be provided between all other installed equipment and appliances.
- 901.8.3 A clear and unobstructed width of 36-inches shall be provided in front of all installed equipment and appliances, to allow for inspection, service, repair or replacement without removing such elements of permanent construction or disabling the function of a required fire-resistance-rated assembly.
- 901.8.4 Automatic sprinkler system riser rooms shall be provided with a clear and unobstructed passageway to the riser room of not less than 36-inches, and openings into the room shall be clear and unobstructed, with doors swinging in the outward direction from the room and the opening providing a clear width of not less than 34-inches and a clear height of the door opening shall not be less than 80 inches.
- 901.8.5 Fire pump rooms shall be provided with a clear and unobstructed passageway to the fire pump room of not less than 72-inches, and openings into the room shall be clear, unobstructed and large enough to allow for the removal of the largest piece of equipment, with doors swinging in the outward direction from the room and the opening providing a clear width of not less than 68-inches and a clear height of the door opening shall not be less than 80 inches."

~~(2)~~ In IBC, Section (F)902, the definition for record drawings is deleted and replaced with the following: "(F) RECORD DRAWINGS. Drawings ("as built") that document all aspects of a fire protection system as installed."

~~(3)~~(2) In IBC, Section (F)903.2.2, the words "all fire areas" "the entire floor" are deleted and replaced with "a buildings" and the last paragraph is deleted."

~~(4)~~(3) IBC, Section (F)903.2.4, condition 2, is deleted and replaced with the following: "2. A Group F-1 fire area is located more than three stories above the lowest level of fire department vehicle access."

~~(5)~~(4) IBC, Section (F)903.2.7, condition 2, is deleted and replaced with the following: "2. A Group M fire area is located more than three stories above the lowest level of fire department vehicle access."

~~(6)~~(5) IBC, Sections (F)903.2.8, ~~(F)903.2.8.1, and (F)903.2.8.2,~~ is are deleted and replaced with the following: "(F)903.2.8 Group R. An automatic sprinkler system installed in accordance with Section 903.3 shall be provided throughout all buildings with a Group R fire area.

Exceptions:

1. Detached one- and two-family dwellings and multiple single-family dwellings (townhouses) constructed in accordance with the International Residential Code For One- and Two-Family Dwellings.
2. Group R-4 fire areas not more than 4,500 gross square feet and not containing more than 16 residents, provided the building is equipped throughout with an approved fire alarm system that is interconnected and receives its primary power from the building wiring and a commercial power system."

~~(7)~~(6) IBC, Section (F)903.2.9, condition 2, is deleted and replaced with the

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

- (8) ~~IBC, Section (F)903.2.10, is deleted and replaced with the following:~~  
~~"(F)903.2.10 Group S-2. An automatic sprinkler system shall be provided throughout buildings classified as parking garages in accordance with Section 406.2 or where located beneath other groups.~~  
~~Exception 1: Parking garages of less than 5,000 square feet (464 m<sup>2</sup>) accessory to Group R-3 occupancies.~~  
~~Exception 2: Open parking garages not located beneath other groups if one of the following conditions is met:~~  
~~a. Access is provided for fire fighting operations to within 150 feet (45,720 mm) of all portions of the parking garage as measured from the approved fire department vehicle access;~~  
~~or~~  
~~b. Class I standpipes are installed throughout the parking garage."~~
- (9) ~~In IBC, Section (F)903.2.10.1, the last clause "where the fire area exceeds 5,000 square feet (464 m<sup>2</sup>)" is deleted.~~
- (10) ~~(7)~~ IBC, Section (F)904.11, is deleted and replaced with the following:  
"(F)904.11 Commercial cooking systems. The automatic fire-extinguishing system for commercial cooking systems shall be of a type recognized for protection of commercial cooking equipment and exhaust systems. Pre-engineered automatic extinguishing systems shall be tested in accordance with UL 300 and listed and labeled for the intended application. The system shall be installed in accordance with this code, its listing and the manufacturer's installation instructions.  
Exception: Factory-built commercial cooking recirculating systems that are tested in accordance with UL 710B and listed, labeled, and installed in accordance with Section 304.1 of the International Mechanical Code."
- (11) ~~(8)~~ IBC, Subsections (F)904.11.3, (F)904.11.3.1, (F)904.11.4, and (F)904.11.4.1, are deleted.
- (12) ~~A new IBC, Section (F)907.9, is added as follows: "Section (F)907.9 Carbon monoxide alarms. Carbon monoxide alarms shall be installed on each habitable level of a dwelling unit or sleeping unit in Groups R-2, R-3, R-4, and I-1 equipped with fuel burning appliances and in dwelling units that have attached garages. If more than one carbon monoxide alarm is required, they shall be interconnected as required in the International Fire Code, Chapter 9, Section 907.2.11.3. In new construction, carbon monoxide alarms shall receive their primary power as required in the International Fire Code, Chapter 9, Section 907.2.11.4. Listed single- and multiple-station carbon monoxide alarms shall comply with UL 2034 and shall be installed in accordance with the provisions of this code and NFPA 720."~~
- (9) ~~In IBC, Section (F)908.7, the exceptions are deleted and the following sentence is added after the first sentence: "A minimum of one carbon monoxide alarm shall be installed on each habitable level."~~
- (10) ~~In IBC, Section (F)908.7, the following new subsections are added:~~

“(F) 908.7.1 Interconnection. Where more than one carbon monoxide alarm is required to be installed within Group R or I-1 occupancies, the carbon monoxide alarms shall be interconnected in such a manner that the activation of one alarm will activate all of the alarms. Physical interconnection of carbon monoxide alarms shall not be required where listed wireless alarms are installed and all alarms sound upon activation of one alarm. The alarm shall be clearly audible in all bedrooms over background noise levels with all intervening doors closed.

(F)908.7.2 Power source. In new construction, required carbon monoxide alarms shall receive their primary power from the building wiring where such wiring is served from a commercial source and shall be equipped with a battery backup. Carbon monoxide alarms with integral strobes that are not equipped with battery backup shall be connected to an emergency electrical system. Carbon monoxide alarms shall emit a signal when the batteries are low. Wiring shall be permanent and without a disconnecting switch other than as required for overcurrent protection.

Exception: Carbon monoxide alarms are not required to be equipped with battery backup where they are connected to an emergency electrical system.”

(11) IBC, Section (F)908.7.1, is renumbered to 908.7.3.

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

- (1) In IBC, Section 1008.1.9.6:
  - (a) ~~the words "Group I-1 and" are added in the title and in the first sentence before the words "Group I-2" and a new number 8 is added as follows:~~  
“8. The secure area or unit with special egress locks shall be located at the level of exit discharge in Type V construction.”
  - (b) ~~the word "delayed" is deleted throughout and replaced with "controlled";~~  
and
  - (c) ~~the last sentence before the numbered subsections 1 through 6 is deleted.~~
- (2) In IBC, Section 1008.1.9.7, a new number 7 is added as follows:  
“7. The secure area or unit with delayed egress locks shall be located at the level of exit discharge in Type V construction.”
- ~~(2)~~ (3) In IBC, Section ~~1009.4.2~~ 1009.7.2, exception 5 is deleted and replaced with the following:  
"5. In Group R-3 occupancies, within dwelling units in Group R-2 occupancies, and in Group U occupancies that are accessory to a Group R-3 occupancy, or accessory to individual dwelling units in Group R-2 occupancies, the maximum riser height shall be 8 inches (203 mm) and the minimum tread depth shall be 9 inches (229 mm). The minimum winder tread depth at the walk line shall be 10 inches (254 mm), and the minimum winder tread depth shall be 6 inches (152 mm). A nosing not less than 0.75 inch (19.1 mm) but not more than 1.25 inches (32 mm) shall be provided on stairways with solid risers where the tread depth is

less than 10 inches (254 mm)."

- (3) ~~(4)~~ In IBC, Section ~~1009.12~~ 1009.15, a new exception 6 is added as follows: "6. In occupancies in Group R-3, as applicable in Section 101.2 and in occupancies in Group U, which are accessory to an occupancy in Group R-3, as applicable in Section 101.2, handrails shall be provided on at least one side of stairways consisting of four or more risers."
- (5) In IBC, Section 1011.5, the words " , including when the building may not be fully occupied." Are added at the end of the sentence.
- ~~(4) In IBC, Section 1013.2, the words "adjacent fixed seating" are deleted.~~
- ~~(5) In IBC, Section 1013.2, a new exception 5 is added as follows: "5. For occupancies in Group R-3 and within individual dwelling units in occupancies in Group R-2, as applicable in Section 101.2, guards shall form a protective barrier not less than 36 inches (914 mm) in height."~~
- ~~(6) In IBC, Section 1015.2.2, the following sentence is added at the end: "Additional exits or exit access doorways shall be arranged a reasonable distance apart so that if one becomes blocked, the others will be available."~~
- ~~(7) (6)~~ IBC, Section 1024, is deleted.
- ~~(7) In IBC, Section 1028.12, exception 2 is deleted.~~
- ~~(8) A new IBC, Section 1109.7.1, is added as follows: "1109.7.1 Platform (wheelchair) lifts. "All platform (wheelchair) lifts shall be capable of independent operation without a key."~~
- ~~(8) In IBC, Section 1109.8, the following words "shall be capable of operation without a key and" are inserted in the second sentence between the words "lift" and "shall".~~
- (9) In IBC, Section 1208.4, subparagraph 1 is deleted and replaced with the following:  
"1. The unit shall have a living room of not less than 165 square feet (15.3 m<sup>2</sup>) of floor area. An additional 100 square feet (9.3 m<sup>2</sup>) of floor area shall be provided for each occupant of such unit in excess of two."

### 15A-3-106. Amendments to Chapters 13 through 15 of IBC.

IBC, Chapters 13 through 15 are not amended.

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

- (1) In IBC, Table 1604.5, ~~Occupancy Risk~~ Category III, in the sentence that begins Group I-2, a new footnote ~~b<sub>c</sub>~~ is added as follows: "~~b<sub>c</sub>~~. Type II Assisted Living Facilities that are I-2 occupancy classifications in accordance with Section 308 shall be ~~Occupancy Risk~~ Category II in this table."
- (2) In IBC, Section 1605.2.4, ~~the formula shown as "f<sub>2</sub> = 0.2 for other roof configurations" in the portion of the definition for the value of f<sub>2</sub>, the words "and 0.2 for other roof configurations" is~~ are deleted and replaced with the following:  
"f<sub>2</sub> = 0.20 + .025(A-5) for other configurations where roof snow load exceeds 30 psf;  
f<sub>2</sub> = 0 for roof snow loads of 30 psf (1.44kN/m<sup>2</sup>) or less.  
Where A = Elevation above sea level at the location of the structure (ft./1,000)."

- (3) In IBC, Section 1605.3.1 and Section 1605.3.2, exception 2 in each section is deleted and replaced with the following: "2. Flat roof snow loads of 30 pounds per square foot (1.44 kNm<sup>2</sup>) or less need not be combined with seismic loads. Where flat roof snow loads exceed 30 pounds per square foot (1.44 kNm<sup>2</sup>), the snow loads may be reduced in accordance with the following in load combinations including both snow and seismic loads.  $W_s$  as calculated below, shall be combined with seismic loads.  $W_s = (0.20 + 0.025(A-5))P_f$  is greater than or equal to  $0.20 P_f$ .  
Where:  
 $W_s$  = Weight of snow to be included in seismic calculations  
A = Elevation above sea level at the location of the structure (ft./1,000)  
 $P_f$  = Design roof snow load, psf.  
For the purpose of this section, snow load shall be assumed uniform on the roof footprint without including the effects of drift or sliding. The Importance Factor, I, used in calculating  $P_f$  may be considered 1.0 for use in the formula for  $W_s$ ".
- (4) IBC, Section 1608.1, is deleted and replaced with the following: "1608.1 General. Except as modified in Sections 1608.1.1, 1608.1.2, and 1608.1.3, design snow loads shall be determined in accordance with Chapter 7 of ASCE 7, but the design roof load shall not be less than that determined by Section 1607."
- (5) A new IBC, Section 1608.1.1, is added as follows: "1608.1.1 Section 7.4.5 of Chapter 7 of ASCE 7 referenced in Section 1608.1 of the IBC is deleted and replaced with the following: "Section 7.4.5 Ice Dams and Icicles Along Eaves. Where ground snow loads exceed 75 psf, eaves shall be capable of sustaining a uniformly distributed load of  $2p_f$  on all overhanging portions. No other loads except dead loads shall be present on the roof when this uniformly distributed load is applied. All building exits under down-slope eaves shall be protected from sliding snow and ice."
- (6) In IBC, Section 1608.1.2, a new section is added as follows: "1608.1.2 Utah Snow Loads. The snow loads specified in Table 1608.1.2(b) shall be used for the jurisdictions identified in that table. Otherwise, ~~the~~ ground snow load,  $P_g$ , to be used in the determination of design snow loads for buildings and other structures shall be determined by using the following formula:  $P_g = (P_o^2 + S^2(A-A_o)^2)^{0.5}$  for A greater than  $A_o$ , and  $P_g = P_o$  for A less than or equal to  $A_o$ .  
WHERE:  
 $P_g$  = Ground snow load at a given elevation (psf);  
 $P_o$  = Base ground snow load (psf) from Table No. 1608.1.2(a);  
S = Change in ground snow load with elevation (psf/100 ft.) From Table No. 1608.1.2(a);  
A = Elevation above sea level at the site (ft./1,000);  
 $A_o$  = Base ground snow elevation from Table 1608.1.2(a) (ft./1,000).  
The building official may round the roof snow load to the nearest 5 psf. The ground snow load,  $P_g$ , may be adjusted by the building official when a licensed engineer or architect submits data substantiating the adjustments. ~~A record of such action together with the substantiating data shall be provided to the division for a permanent record. The building official may also directly adopt roof snow loads in accordance with Table~~

1608.1.2(b), provided the site is no more than 100 ft. higher than the listed elevation. Where the minimum roof live load in accordance with Section 1607.11 is greater than the design roof snow load, such roof live load shall be used for design, however, it shall not be reduced to a load lower than the design roof snow load. Drifting need not be considered for roof snow loads less than 20 psf."

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

"TABLE NO.1608.1.2(a)  
STATE OF UTAH – REGIONAL SNOW LOAD FACTORS

COUNTY	P <sub>o</sub>	S	A <sub>o</sub>
Beaver	43	63	6.2
Box Elder	43	63	5.2
Cache	50	63	4.5
Carbon	43	63	5.2
Daggett	43	63	6.5
Davis	43	63	4.5
Duchesne	43	63	6.5
Emery	43	63	6.0
Garfield	43	63	6.0
Grand	36	63	6.5
Iron	43	63	5.8
Juab	43	63	5.2
Kane	36	63	5.7
Millard	43	63	5.3
Morgan	57	63	4.5
Piute	43	63	6.2
Rich	57	63	4.1
Salt Lake	43	63	4.5
San Juan	43	63	6.5
Sanpete	43	63	5.2
Sevier	43	63	6.0
Summit	86	63	5.0
Tooele	43	63	4.5
Uintah	43	63	7.0

Utah	43	63	4.5
Wasatch	86	63	5.0
Washington	29	63	6.0
Wayne	36	63	6.5
Weber	43	63	4.5

TABLE NO. 1608.1.2(b)  
RECOMMENDED REQUIRED SNOW LOADS FOR SELECTED UTAH CITIES AND  
TOWNS(2) <sup>1,2</sup>

		Roof Snow Load (PSF)	Ground Snow Load (PSF)
<b>Beaver County</b>			
—— Beaver	5,920 ft.	43	62
<b>Box Elder County</b>			
—— Brigham City	4,300 ft.	30	43
—— Tremonton	4,290 ft.	30	43
<b>Cache County</b>			
—— Logan	4,530 ft.	35	50
—— Smithfield	4,595 ft.	35	50
<b>Carbon County</b>			
—— Price	5,550 ft.	30	43
<b>Daggett County</b>			
—— Manila	5,377 ft.	30	43
<b>Davis County</b>			
—— Bountiful	4,300 ft.	30	43
—— Farmington	4,270 ft.	30	43
—— Layton	4,400 ft.	30	43
—— Fruit Heights	4,500 ft.	40	57
<b>Duchesne County</b>			
—— Duchesne	5,510 ft.	30	43
—— Roosevelt	5,104 ft.	30	43

Emery County			
——Castledale	5,660 ft.	30	43
——Green River	4,070 ft.	25	36
Garfield County			
——Panguitch	6,600 ft.	30	43
Grand County			
——Moab	3,965 ft.	25	36
Iron County			
——Cedar City	5,831 ft.	30	43
Juab County			
——Nephi	5,130 ft.	30	43
Kane County			
——Kanab	5,000 ft.	25	36
Millard County			
——Millard	5,000 ft.	30	43
——Delta	4,623 ft.	30	43
Morgan County			
——Morgan	5,064 ft.	40	57
Piute County			
——Piute	5,996 ft.	30	43
Rich County			
——Woodruff	6,315 ft.	40	57
Salt Lake County			
——Murray	4,325 ft.	30	43
Salt Lake City	4,300 ft.	30	43
——Sandy	4,500 ft.	30	43
——West Jordan	4,375 ft.	30	43
——West Valley	4,250 ft.	30	43
San Juan County			
——Blanding	6,200 ft.	30	43
——Monticello	6,820 ft.	35	50
Sanpete County			

—— Fairview	6,750 ft.	35	50
—— Mt. Pleasant	5,900 ft.	30	43
—— Manti	5,740 ft.	30	43
—— Ephraim	5,540 ft.	30	43
—— Gunnison	5,145 ft.	30	43
Sevier County			
—— Salina	5,130 ft.	30	43
—— Richfield	5,270 ft.	30	43
Summit County			
—— Coalville	5,600 ft.	60	86
—— Kamas	6,500 ft.	70	100
—— Park City	6,800 ft.	100	142
—— Park City	8,400 ft.	162	231
—— Summit Park	7,200 ft.	90	128
Tooele County			
—— Tooele	5,100 ft.	30	43
Uintah County			
—— Vernal	5,280 ft.	30	43
Utah County			
American Fork	4,500 ft.	30	43
—— Orem	4,650 ft.	30	43
Pleasant Grove	5,000 ft.	30	43
—— Provo	5,000 ft.	30	43
—— Spanish Fork	4,720 ft.	30	43
Wasatch County			
—— Heber	5,630 ft.	60	86
Washington County			
—— Central	5,209 ft.	25	36
—— Dameron	4,550 ft.	25	36
—— Leeds	3,460 ft.	20	29
—— Rockville	3,700 ft.	25	36
—— Santa Clara	2,850 ft.	15 (1)	21

— St. George	2,750 ft.	15 (1)	21
Wayne County			
— Loa	7,080 ft.	30	43
— Hanksville	4,308 ft.	25	36
Weber County			
— North Ogden	4,500 ft.	40	57
— Ogden	4,350 ft.	30	43

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

<u>County</u>	<u>City</u>	<u>Elevation</u>	<u>Ground Snow Load (psf)</u>	<u>Roof Snow Load (psf)<sup>6</sup></u>
<u>Carbon</u>	<u>Price<sup>3</sup></u>	<u>5550</u>	<u>43</u>	<u>30</u>
	<u>All other county locations<sup>5</sup></u>	==	==	==
<u>Davis</u>	<u>Fruit Heights<sup>3</sup></u>	<u>4500 – 4850</u>	<u>57</u>	<u>40</u>
<u>Emery</u>	<u>Green River<sup>3</sup></u>	<u>4070</u>	<u>36</u>	<u>25</u>
<u>Garfield</u>	<u>Panguitch<sup>3</sup></u>	<u>6600</u>	<u>43</u>	<u>30</u>
<u>Rich</u>	<u>Woodruff<sup>3</sup></u>	<u>6315</u>	<u>57</u>	<u>40</u>
	<u>Laketown<sup>4</sup></u>	<u>6000</u>	<u>57</u>	<u>40</u>
	<u>Garden City<sup>5</sup></u>	==	==	==
	<u>Randolph<sup>4</sup></u>	<u>6300</u>	<u>57</u>	<u>40</u>
<u>San Juan</u>	<u>Monticello<sup>3</sup></u>	<u>6820</u>	<u>50</u>	<u>35</u>
<u>Summit</u>	<u>Coalville<sup>3</sup></u>	<u>5600</u>	<u>86</u>	<u>60</u>
	<u>Kamas<sup>4</sup></u>	<u>6500</u>	<u>114</u>	<u>80</u>
<u>Tooele</u>	<u>Tooele<sup>3</sup></u>	<u>5100</u>	<u>43</u>	<u>30</u>
<u>Utah</u>	<u>Orem<sup>3</sup></u>	<u>4650</u>	<u>43</u>	<u>30</u>
	<u>Pleasant Grove<sup>4</sup></u>	<u>5000</u>	<u>43</u>	<u>30</u>
	<u>Provo<sup>5</sup></u>	==	==	==
<u>Wasatch</u>	<u>Heber<sup>5</sup></u>	==	==	==
<u>Washington</u>	<u>Leeds<sup>3</sup></u>	<u>3460</u>	<u>29</u>	<u>20</u>
	<u>Santa Clara<sup>3</sup></u>	<u>2850</u>	<u>21</u>	<u>15</u>
	<u>St. George<sup>3</sup></u>	<u>2750</u>	<u>21</u>	<u>15</u>
	<u>All other county locations<sup>5</sup></u>	==	==	==
<u>Wayne</u>	<u>Loa<sup>3</sup></u>	<u>7080</u>	<u>43</u>	<u>30</u>

<sup>1</sup>The IBC requires a minimum live load – See 1607.11.2

<sup>2</sup>This table is informational only in that actual site elevations may vary.  
Table is only valid if site elevation is within 100 feet of the listed elevation. Otherwise, contact the local Building Official.

<sup>3</sup>Values adopted from Table VII of the Utah Snow Load Study

<sup>4</sup>Values based on site-specific study. Contact local Building Official for additional information.

<sup>5</sup>Contact local Building Official.

<sup>6</sup>Based on  $C_e = 1.0$ ,  $C_t = 1.0$  and  $I_s = 1.0$

- (8) A new IBC, Section 1608.1.3, is added as follows: "1608.1.3 Thermal Factor. The value for the thermal factor,  $C_t$ , used in calculation of  $P_f$  shall be determined from Table 7.3 in ASCE 7.  
Exception: Except for unheated structures, the value of  $C_t$  need not exceed 1.0 when ground snow load,  $P_g$  is calculated using Section 1608.1.2 as amended."
- (9) IBC, Section 1608.2, is deleted and replaced with the following: "1608.2 Ground Snow Loads. The ground snow loads to be used in determining the design snow loads for roofs in states other than Utah are given in Figure 1608.2 for the contiguous United States and Table 1608.2 for Alaska. Site-specific case studies shall be made in areas designated CS in figure 1608.2. Ground snow loads for sites at elevations above the limits indicated in Figure 1608.2 and for all sites within the CS areas shall be approved. Ground snow load determination for such sites shall be based on an extreme value statistical analysis of data available in the vicinity of the site using a value with a 2-percent annual probability of being exceeded (50-year mean recurrence interval). Snow loads are zero for Hawaii, except in mountainous regions as approved by the building official."
- ~~(10) In IBC, Section 1609.1.1, a new exception 7 is added as follows: "7. The wind design procedure as found in Sections 1616 through 1624 of the 1997 Uniform Building Code may be used as an alternative wind design procedure for signs and free standing walls as listed in item 7 listed in Table 16-H of the 1997 Uniform Building Code. The Importance Factor,  $I$ , shall be determined in accordance with Table 6-1 of ASCE 7. Stress increases are only allowed as provided in Section 1605.3 of the 2009 IBC."~~
- ~~(11)~~(10) A new IBC, Section 1613.1.1, is added as follows: "1613.1.1 ASCE 12.7.2 and 12.14.8.1 of Chapter 12 of ASCE 7 referenced in Section 1613.1, Definition of  $W$ , Item 4 is deleted and replaced with the following:  
4. Where the flat roof snow load,  $P_f$ , exceeds 30 psf, the snow load included in seismic design shall be calculated, in accordance with the following formula:  $W_s = (0.20 + 0.025(A-5))P_f$  is greater than or equal to  $0.20 P_f$ .  
WHERE:  
 $W_s$  = Weight of snow to be included in seismic calculations  
 $A$  = Elevation above sea level at the location of the structure (ft./1,000)  
 $P_f$  = Design roof snow load, psf.  
For the purposes of this section, snow load shall be assumed uniform on the roof footprint without including the effects of drift or sliding. The Importance Factor,  $I$ , used in calculating  $P_f$  may be considered 1.0 for use in the formula for  $W_s$ ."
- ~~(12)~~(11) A new IBC, Section ~~1613.8~~ 1613.5, is added as follows: "~~1613.8~~ 1613.5 ASCE 7, Section 13.5.6.2.2 paragraph (e) is modified to read as follows: (e) Penetrations shall have a sleeve or adapter through the ceiling

tile to allow for free movement of at least 1 inch (25 mm) in all horizontal directions.

Exceptions:

1. Where rigid braces are used to limit lateral deflections.
2. At fire sprinkler heads in frangible surfaces per NFPA 13."

**15A-3-108. Amendments to Chapters 17 through 19 of IBC.**

- (1) A new IBC, Section 1807.1.6.4, is added as follows: "1807.1.6.4 Empirical concrete foundation design. Group R, Division 3 Occupancies three stories or less in height, and Group U Occupancies, which are constructed in accordance with Section 2308, or with other methods employing repetitive wood-frame construction or repetitive cold-formed steel structural member construction, shall be permitted to have concrete foundations constructed in accordance with Table 1807.1.6.4."
- (2) A new IBC, Table 1807.1.6.4 is added as follows:

<b>"TABLE 1807.1.6.4</b>							
<b>EMPIRICAL FOUNDATION WALLS (1,7,8)</b>							
<b>Max. Height</b>	<b>Top Edge Support</b>	<b>Min. Thickness</b>	<b>Vertical Steel (2)</b>	<b>Horizontal Steel (3)</b>	<b>Steel at Openings (4)</b>	<b>Max. Lintel Length</b>	<b>Min. Lintel Length</b>
2'(610 mm)	None	6"	(5)	2- #4 Bars	2- #4 Bars above 1- #4 Bar each side 1- #4 Bar below	2'(610 mm)	2" for each foot of opening width; min. 6"
3'(914 mm)	None	6"	#4@3 2"	3- #4 Bars	2- #4 Bars above 1- #4 Bar each side 1- #4 Bar below	2'(610 mm)	2" for each foot of opening width; min. 6"
4'(1,219 mm)	None	6"	#4@3 2"	4- #4 Bars	2- #4 Bars above 1- #4 Bar each side 1- #4 Bar below	3'(914 mm)	2" for each foot of opening width; min. 6"

6'(1,829 mm)	Floor or roof Diaphragm (6)	8"	#4@24"	5- #4 Bars	2- #4 Bars above 1- #4 Bar each side 1- #4 Bar below	6'(1,829 mm)	2" for each foot of opening width; min. 6"
8'(2,438 mm)	Floor or roof Diaphragm (6)	8"	#4@24"	6- #4 Bars	2- #4 Bars above 1- #4 Bar each side 1- #4 Bar below	6'(1,829 mm)	2" for each foot of opening width; min. 6"
9'(2,743 mm)	Floor or roof Diaphragm (6)	8"	#4@16"	7- #4 Bars	2- #4 Bars above 1- #4 Bar each side 1- #4 Bar below	6'(1,829 mm)	2" for each foot of opening width; min. 6"

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

Footnotes:

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

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

(3) One bar shall be located in the top four inches (102 mm), one bar in the bottom four inches (102 mm) and the other bars equally spaced between. Such bar placement satisfies the requirements of Section 1805.9. Corner reinforcing shall be provided so as to lap 24 inches (610 mm).

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

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

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

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

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

(3) In IBC, Section ~~1904.3~~ 1904.2, a new exception 1 is added as follows and the current exception is modified to be number 2.

Exceptions:

- "1. In ACI Table 4.3.1, for Exposure Class F1, change Maximum w/cm from 0.45 to 0.5 and Minimum f'c from 4,500 psi to 3,000 psi."
- (4) ~~IBC, Section 1904.4.1 is deleted and replaced with the following: "1904.4.1 Air Entrainment. Concrete that extends above grade and is exposed to freezing and thawing while moist shall be air entrained in accordance with ACI 318, Section 4.4.1."~~
- (4) A new IBC, Section 1905.1.11 is added as follows: "1905.1.11 ACI 318, Table 4.2.1. Modify ACI 318, Table 4.2.1 to read as follows: In the portion of the table designated as "Conditions", the Exposure categories and classes are deleted and replaced with the following:
- "F0: Concrete elements not exposed to freezing and thawing cycles to include footing and foundation elements that are completely buried in soil.
- F1: Concrete elements exposed to freezing and thawing cycles and are not likely to be saturated or exposed to deicing chemicals.
- F2: Concrete elements exposed to freezing and thawing cycles and are likely to be saturated, but not exposed to deicing chemicals.
- F3: Concrete elements exposed to freezing and thawing cycles and are likely to be saturated and exposed to deicing chemicals."

**15A-3-109. Amendments to Chapters 20 through 22 of IBC.**

IBC, Chapters 20 through 22 are not amended.

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

- (1) A new IBC, Section 2306.1.5, is added as follows: "2306.1.5 Load duration factors.  
The allowable stress increase of 1.15 for snow load, shown in Table 2.3.2, Frequently Used Load Duration Factors,  $C_d$ , of the National Design Specifications, shall not be utilized at elevations above 5,000 feet (1,524 M)."
- (2) In IBC, Section 2308.6, a new exception is added as follows: "Exception: Where foundation plates or sills are bolted or anchored to the foundation with not less than 1/2 inch (12.7 mm) diameter steel bolts or approved anchors, embedded at least 7 inches (178 mm) into concrete or masonry and spaced not more than 32 inches (816 mm) apart, there shall be a minimum of two bolts or anchor straps per piece located not less than 4 inches (102 mm) from each end of each piece. A properly sized nut and washer shall be tightened on each bolt to the plate."
- (3) IBC, Section 2506.2.1, is deleted and replaced with the following: "2506.2.1 Other materials. Metal suspension systems for acoustical and lay-in panel ceilings shall conform with ASTM C635 listed in Chapter 35 and Section 13.5.6 of ASCE 7-05, as amended in Section 1613.8, for installation in high seismic areas."

**15A-3-111. Amendments to Chapters 26 through 28 of IBC**

IBC, Chapters 26 through 28 are not amended.

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

- (1) In IBC, ~~Section 2902.1, the title for [P] Table 2902.1 is deleted and replaced and a new footnote g is added as follows~~ the following changes are made:
- (a) The title for [P] Table 2902.1 is deleted and replaced with the following: "[P] Table 2902.1, Minimum Number of Required Plumbing Facilities<sup>a, g, h</sup>," and
  - (b) In the row for "E" occupancy in the field for "OTHER" a new footnote i is added.
  - (c) In the row for "I-4" occupancy in the field for "OTHER" a new footnote i is added.
  - (d) A new footnote h is added as follows: "FOOTNOTE: g h. When provided, in public toilet facilities there shall be an equal number of diaper changing facilities in male toilet rooms and female toilet rooms."
  - (e) A new footnote i is added to the table as follows: "FOOTNOTE i: Non residential child care facilities shall comply with additional sink requirements of Utah Administrative Code R430-100-4."
- (2) In IBC, Section 3006.5, a new exception is added as follows: "Exception: Hydraulic elevators and roped hydraulic elevators with a rise of 50 feet or less."

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

- (1) ~~A n~~New IBC Sections 3401.6 3401.7, 3401.7.1 and 3401.7.2 is are added as follows: "3401.6 3401.7 Parapet bracing, wall anchors, and other appendages.
- 3401.7.1 Evaluation Requirements: Until June 30, 2014, a b~~Buildings constructed before 1975 shall have parapet bracing, wall anchors, and appendages such as cornices, spires, towers, tanks, signs, statuary, etc. evaluated by a licensed engineer when any of the following conditions occur: the building is undergoing structural alterations, which may include structural sheathing replacement of 10% or greater or other structural repairs. Reroofing or water membrane replacement may not be considered a structural alteration or repair for purposes of this section. Beginning July 1, 2014, a building constructed before 1975 shall have parapet bracing, wall anchors, and appendages such as cornices, spires, towers, tanks, signs, statuary, etc. evaluated by a licensed engineer when the building is undergoing a total reroofing.~~
- a. The parapet or appendages noted above are being repaired or altered; or
  - b. The building is undergoing reroofing of 75% or more of the roof area within a 12 month period.
- When performing the required evaluation, the following procedures may be utilized:
- a. ~~Parapet bracing, wall anchors, and appendages required by this section shall be evaluated in accordance with 75% of the seismic forces as specified in Section 1613;~~ or

- b. When allowed by the local building official, alternate methods of equivalent strength as referenced in an approved code under Utah Code, Subsection 15A-1-204(6)(a); ~~will be considered when accompanied by engineer sealed drawings, details, and calculations.~~

3401.7.2 Implementation Requirements. When the evaluation required under 3401.7.1 finds deficiencies found to be deficient because of design or deteriorated condition, the engineer's recommendations to anchor, brace, upgrade, reinforce, or remove the deficient feature shall be implemented.

EXCEPTIONS:

1. Group R-3 and U occupancies.
  2. When the engineering evaluation is required based solely on the reroofing requirement noted above, the engineer's recommendations to anchor, brace, upgrade, reinforce, or remove the deficient feature shall be either:
    - a. Implemented or,
    - b. Recorded as specified by the local compliance agency until the recommendations are implemented.
  - (2)3. Unreinforced masonry parapets need not be braced according to the above stated provisions provided that the maximum height of an unreinforced masonry parapet above the level of the diaphragm tension anchors or above the parapet braces shall not exceed one and one-half times the thickness of the parapet wall. The parapet height may be a maximum of two and one-half times its thickness in other than Seismic Design Categories D, E, or F."
- (2) IBC, Section 3408.4, is deleted and replaced with the following: "3408.4 ~~Change in Occupancy Seismic.~~ When a change in occupancy results in a structure being reclassified to a higher Occupancy Risk Category (as defined in Table 1604.5), or when such change of occupancy results in a design occupant load increase of 100% or more, the structure shall conform to the seismic requirements for a new structure.
- Exceptions:
1. Specific seismic detailing requirements of this code or ASCE 7 for a new structure shall not be required to be met where it can be shown that the level of performance and seismic safety is equivalent to that of a new structure. Such analysis A demonstration of equivalence shall consider the regularity, overstrength, redundancy, and ductility of the structure ~~within the context of the existing and retrofit (if any) detailing providing.~~ Alternatively, the building official may allow the structure to be upgraded in accordance with referenced sections as found in an approved code under Utah Code, Subsection 15A-1-204(6)(a).
  2. When a change of use results in a structure being reclassified from Occupancy Risk Category I or II to Occupancy Risk Category III and the structure is located in a seismic map area where  $S_{DS}$  is less than 0.33, compliance with the seismic requirements of this code and ASCE 7 are not required.

3. Where design occupant load increase is less than 25 occupants and the Occupancy Risk Category does not change."

~~(3) In IBC, Section 3411.1, the exception is deleted and replaced with the following:~~

~~"Exception: Type B dwelling or sleeping units required by Section 1107 of this code are not required to be provided in existing buildings and facilities unless being altered or undergoing a change of occupancy classification."~~

~~(4) In IBC, Chapter 34, the referenced standard ACI 318-08 is modified to change Table 4.2.1 of ACI 318-08 as follows: In the portion of Table 4.2.1 designated as "Conditions", the Exposure categories and classes are deleted and replaced with the following:~~

~~"F0: Concrete elements not exposed to freezing and thawing cycles to include footing and foundation elements that are completely buried in soil.~~

~~F1: Concrete elements exposed to freezing and thawing cycles and are not likely to be saturated or exposed to deicing chemicals.~~

~~F2: Concrete elements exposed to freezing and thawing cycles and are likely to be saturated, but not exposed to deicing chemicals.~~

~~F3: Concrete elements exposed to freezing and thawing cycles and are likely to be saturated and exposed to deicing chemicals."~~

~~(5) (3) In IBC, Chapter 35, the referenced standard ICC/ANSI A117.1-0309, 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."~~

~~(6) The following referenced standard is added under NFPA in IBC, Chapter 35:~~

<del>"Number</del>	<del>Title</del>	<del>Referenced in code section number</del>
<del>720-09</del>	<del>Standard for the Installation of Carbon Monoxide (CO) Detection and Warning Equipment</del>	<del>907.9"</del>

~~(7) (4) The following referenced standard is added under UL in IBC, Chapter 35:~~

<del>"Number</del>	<del>Title</del>	<del>Referenced in code section number</del>
<del>2034-2008</del>	<del>Standard of Single- and Multiple-station Carbon Monoxide Alarms</del>	<del>907.9"</del>

~~(8) In IBC, Chapter 35, NFPA referenced standard 10-07 is deleted and replaced with the following:~~

<del>"Number</del>	<del>Title</del>	<del>Referenced in code section number</del>
<del>10-10</del>	<del>Portable Fire Extinguishers</del>	<del>906.2, 906.3.2, 906.3.4, Table 906.3(1), Table 906.3(2)"</del>

~~(9) In IBC, Chapter 35, NFPA referenced standard 11-05 is deleted and~~

replaced with the following:

"Number	Title	Referenced in code section number
11-10	Low Expansion Foam	904.7"

- (10) In IBC, Chapter 35, NFPA referenced standard 12-05 is deleted and replaced with the following:

"Number	Title	Referenced in code section number
12-08	Carbon Dioxide Extinguishing Systems	904.8, 904.11"

- (11) In IBC, Chapter 35, NFPA referenced standard 12A-04 is deleted and replaced with the following:

"Number	Title	Referenced in code section number
12A-09	Halon 1301 Fire Extinguishing Systems	904.9

- (12) In IBC, Chapter 35, NFPA referenced standard 13-07 is deleted and replaced with the following:

"Number	Title	Referenced in code section number
13-10	Installation of Sprinkler Systems	708.2, 903.3.1.1, 903.3.2, 903.3.5.1.1, 903.3.5.3, 904.11, 905.3.4, 907.6.3, 1613.3"

- (13) In IBC, Chapter 35, NFPA referenced standard 13D-07 is deleted and replaced with the following:

"Number	Title	Referenced in code section number
13D-10	Installation of Sprinkler Systems in One- and Two-family Dwellings and Manufactured Homes	903.3.1.3, 903.3.5.1.1"

- (14) In IBC, Chapter 35, NFPA referenced standard 13R-07 is deleted and replaced with the following:

"Number	Title	Referenced in code section number
13R-10	Installation of Sprinkler Systems in Residential Occupancies Up to and Including Four Stories in Height	903.3.1.2, 903.3.5.1.1, 903.3.5.1.2, 903.4"

- (15) In IBC, Chapter 35, NFPA referenced standard 14-07 is deleted and

replaced with the following:

"Number	Title	Referenced in code section number
14-10	Installation of Standpipe and Hose System	905.2, 905.3.4, 905.6.2, 905.8"

- (16) In IBC, Chapter 35, NFPA referenced standard 17-02 is deleted and replaced with the following:

"Number	Title	Referenced in code section number
17-09	Dry chemical Extinguishing Systems	904.5, 904.11"

- (17) In IBC, Chapter 35, NFPA referenced standard 17A-02 is deleted and replaced with the following:

"Number	Title	Referenced in code section number
17A-09	Wet chemical Extinguishing Systems	904.5, 904.11"

- (18) In IBC, Chapter 35, NFPA referenced standard 20-07 is deleted and replaced with the following:

"Number	Title	Referenced in code section number
20-10	Installation of Stationary Pumps for Fire Protection	913.1, 913.2.1, 913.5"

- (19) In IBC, Chapter 35, NFPA referenced standard 72-07 is deleted and replaced with the following:

"Number	Title	Referenced in code section number
72-10	National Fire Alarm Code	901.6, 903.4.1, 904.3.5, 907.2, 907.2.5, 907.2.11, 907.2.13.2, 907.3, 907.3.3, 907.3.4, 907.5.2.1.2, 907.5.3.3, 907.6, 907.6.1, 907.6.5, 907.7, 907.7.1, 907.7.2, 911.1.5, 3006.5, 3007.6"

- (20) In IBC, Chapter 35, NFPA referenced standard 92B-05 is deleted and replaced with the following:

"Number	Title	Referenced in code section number
92B-09	Smoke Management Systems in Malls, Atria and Large Spaces	909.8"

- (21) ~~In IBC, Chapter 35, NFPA referenced standard 101-06 is deleted and replaced with the following:~~

"Number	Title	Referenced in code section number
101-09	Line Safety Code	1028.6.2"

- (22) ~~In IBC, Chapter 35, NFPA referenced standard 110-05 is deleted and replaced with the following:~~

"Number	Title	Referenced in code section number
110-10	Emergency and Standby Power Systems	2702.1"

## Part 2. Statewide Amendments to IRC

### 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 IBC;
  - (b) IPC under Part 3, Statewide Amendments to IPC;
  - (c) IMC under Part 4, Statewide Amendments to IMC;
  - (d) IFGC under Part 5, Statewide Amendments to IFGC;
  - (e) NEC under Part 6, Statewide Amendments to NEC; and
  - (f) IECC under Part 7, Statewide Amendments to IECC.

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

- (1) In IRC, Section R102, a new Section R102.7.2 is added as follows: "R102.7.2 Physical change for bedroom window egress in legal nonconforming rental housing use. A structure classified as a legal nonconforming rental housing use, whose egress bedroom window is smaller than required by this code, is not required to undergo a physical change to conform to the code if the change would compromise the structural integrity of the building or could not be completed in accordance with other applicable requirements of this code, including setback and window well requirements."
- (2) In IRC, Section 109:
  - (a) A new IRC, Section 109.1.5, is added as follows: "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 R703.8 to prevent water from entering the weather-resistive barrier."
  - (b) The remaining sections are renumbered as follows: R109.1.6 Other inspections; R109.1.6.1 Fire- and smoke-resistance-rated

- construction inspection; R109.1.6.2 Reinforced masonry, insulating concrete form (ICF) and conventionally formed concrete wall inspection; and R109.1.7 Final inspection.
- (3) IRC, Section R114.1, is deleted and replaced with the following: "R114.1 Notice to owner. Upon notice from the building official that work on any building or structure is being prosecuted contrary to the provisions of this code or other pertinent laws or ordinances or in an unsafe and dangerous manner, such work shall be immediately stopped. The stop work order shall be in writing and shall be given to the owner of the property involved, or to the owner's agent or to the person doing the work; and shall state the conditions under which work will be permitted to resume."
- (4) 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)."
- (5) In IRC, Section R202, the definition for "CONDITIONED SPACE" is modified by deleting the words at the end of the sentence "being heated or cooled by any equipment or appliance" and replacing them with the following: "enclosed within the building thermal envelope that is directly heated or cooled, or indirectly heated or cooled by any of the following means:
1. Openings directly into an adjacent conditioned space.
  2. An un-insulated floor, ceiling or wall adjacent to a conditioned space.
  3. Un-insulated duct, piping or other heat or cooling source within the space."
- ~~(5)~~(6) 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")."
- ~~(7)~~ 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.
- ~~(6)~~(8) 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, Chapters 4, Safe Drinking Water Act, and 5, Water Quality Act, and the regulations of the public health authority having jurisdiction."
- ~~(7)~~(9) IRC, Figure R301.2(5), is deleted and replaced with Table R301.2(5a) and Table R301.2(5b) as follows:

"TABLE NO. 1608.1.2(a) R301.2(5a)  
STATE OF UTAH – REGIONAL SNOW LOAD FACTORS

COUNTY	P <sub>o</sub>	S	A <sub>o</sub>
Beaver	43	63	6.2
Box Elder	43	63	5.2
Cache	50	63	4.5
Carbon	43	63	5.2
Daggett	43	63	6.5
Davis	43	63	4.5
Duchesne	43	63	6.5
Emery	43	63	6.0
Garfield	43	63	6.0
Grand	36	63	6.5
Iron	43	63	5.8
Juab	43	63	5.2
Kane	36	63	5.7
Millard	43	63	5.3
Morgan	57	63	4.5
Piute	43	63	6.2
Rich	57	63	4.1
Salt Lake	43	63	4.5
San Juan	43	63	6.5
Sanpete	43	63	5.2
Sevier	43	63	6.0
Summit	86	63	5.0
Tooele	43	63	4.5
Uintah	43	63	7.0
Utah	43	63	4.5
Wasatch	86	63	5.0
Washington	29	63	6.0
Wayne	36	63	6.5
Weber	43	63	4.5

TABLE NO. 1608.1.2(b) R301.2(5b)  
 RECOMMENDED REQUIRED SNOW LOADS FOR SELECTED UTAH CITIES AND  
 TOWNS(2)<sup>1,2</sup>

		Roof Snow Load (PSF)	Ground Snow Load (PSF)
Beaver County			
—— Beaver	5,920 ft.	43	62
Box Elder County			
—— Brigham City	4,300 ft.	30	43
—— Tremonton	4,290 ft.	30	43
Cache County			
—— Logan	4,530 ft.	35	50
—— Smithfield	4,595 ft.	35	50
Carbon County			
—— Price	5,550 ft.	30	43
Daggett County			
—— Manila	5,377 ft.	30	43
Davis County			
—— Bountiful	4,300 ft.	30	43
—— Farmington	4,270 ft.	30	43
—— Layton	4,400 ft.	30	43
—— Fruit Heights	4,500 ft.	40	57
Duchesne County			
—— Duchesne	5,510 ft.	30	43
—— Roosevelt	5,104 ft.	30	43
Emery County			
—— Castledale	5,660 ft.	30	43
—— Green River	4,070 ft.	25	36
Garfield County			
—— Panguitch	6,600 ft.	30	43
Grand County			
—— Moab	3,965 ft.	25	36

Iron County			
—— Cedar City	5,831 ft.	30	43
Juab County			
—— Nephi	5,130 ft.	30	43
Kane County			
—— Kanab	5,000 ft.	25	36
Millard County			
—— Millard	5,000 ft.	30	43
—— Delta	4,623 ft.	30	43
Morgan County			
—— Morgan	5,064 ft.	40	57
Piute County			
—— Piute	5,996 ft.	30	43
Rich County			
—— Woodruff	6,315 ft.	40	57
Salt Lake County			
—— Murray	4,325 ft.	30	43
Salt Lake City	4,300 ft.	30	43
—— Sandy	4,500 ft.	30	43
—— West Jordan	4,375 ft.	30	43
—— West Valley	4,250 ft.	30	43
San Juan County			
—— Blanding	6,200 ft.	30	43
—— Monticello	6,820 ft.	35	50
Sanpete County			
—— Fairview	6,750 ft.	35	50
—— Mt. Pleasant	5,900 ft.	30	43
—— Manti	5,740 ft.	30	43
—— Ephraim	5,540 ft.	30	43
—— Gunnison	5,145 ft.	30	43
Sevier County			
—— Salina	5,130 ft.	30	43

—— Richfield	5,270 ft.	30	43
Summit County			
—— Coalville	5,600 ft.	60	86
—— Kamas	6,500 ft.	70	100
—— Park City	6,800 ft.	100	142
—— Park City	8,400 ft.	162	231
—— Summit Park	7,200 ft.	90	128
Tooele County			
—— Tooele	5,100 ft.	30	43
Uintah County			
—— Vernal	5,280 ft.	30	43
Utah County			
American Fork	4,500 ft.	30	43
—— Orem	4,650 ft.	30	43
Pleasant Grove	5,000 ft.	30	43
—— Provo	5,000 ft.	30	43
—— Spanish Fork	4,720 ft.	30	43
Wasatch County			
—— Heber	5,630 ft.	60	86
Washington County			
—— Central	5,209 ft.	25	36
—— Dameron	4,550 ft.	25	36
—— Leeds	3,460 ft.	20	29
—— Rockville	3,700 ft.	25	36
—— Santa Clara	2,850 ft.	15 (1)	21
—— St. George	2,750 ft.	15 (1)	21
Wayne County			
—— Loa	7,080 ft.	30	43
—— Hanksville	4,308 ft.	25	36
Weber County			
—— North Ogden	4,500 ft.	40	57
—— Ogden	4,350 ft.	30	43

**NOTES**

(1) The IRC requires a minimum live load - See R301.6.

(2) This table is informational only in that actual site elevations may vary. Table is only valid if site elevation is within 100 feet of the listed elevation."

<u>The following jurisdictions require design snow load values that differ from the Equation in the Utah Snow Load Study.</u>				
<u>County</u>	<u>City</u>	<u>Elevation</u>	<u>Ground Snow Load (psf)</u>	<u>Roof Snow Load (psf)<sup>6</sup></u>
<u>Carbon</u>	<u>Price<sup>3</sup></u>	<u>5550</u>	<u>43</u>	<u>30</u>
	<u>All other county locations<sup>5</sup></u>	<u>--</u>	<u>--</u>	<u>--</u>
<u>Davis</u>	<u>Fruit Heights<sup>3</sup></u>	<u>4500 – 4850</u>	<u>57</u>	<u>40</u>
<u>Emery</u>	<u>Green River<sup>3</sup></u>	<u>4070</u>	<u>36</u>	<u>25</u>
<u>Garfield</u>	<u>Panguitch<sup>3</sup></u>	<u>6600</u>	<u>43</u>	<u>30</u>
<u>Rich</u>	<u>Woodruff<sup>3</sup></u>	<u>6315</u>	<u>57</u>	<u>40</u>
	<u>Laketown<sup>4</sup></u>	<u>6000</u>	<u>57</u>	<u>40</u>
	<u>Garden City<sup>5</sup></u>	<u>--</u>	<u>--</u>	<u>--</u>
	<u>Randolph<sup>4</sup></u>	<u>6300</u>	<u>57</u>	<u>40</u>
<u>San Juan</u>	<u>Monticello<sup>3</sup></u>	<u>6820</u>	<u>50</u>	<u>35</u>
<u>Summit</u>	<u>Coalville<sup>3</sup></u>	<u>5600</u>	<u>86</u>	<u>60</u>
	<u>Kamas<sup>4</sup></u>	<u>6500</u>	<u>114</u>	<u>80</u>
<u>Tooele</u>	<u>Tooele<sup>3</sup></u>	<u>5100</u>	<u>43</u>	<u>30</u>
<u>Utah</u>	<u>Orem<sup>3</sup></u>	<u>4650</u>	<u>43</u>	<u>30</u>
	<u>Pleasant Grove<sup>4</sup></u>	<u>5000</u>	<u>43</u>	<u>30</u>
	<u>Provo<sup>5</sup></u>	<u>--</u>	<u>--</u>	<u>--</u>
<u>Wasatch</u>	<u>Heber<sup>5</sup></u>	<u>--</u>	<u>--</u>	<u>--</u>
<u>Washington</u>	<u>Leeds<sup>3</sup></u>	<u>3460</u>	<u>29</u>	<u>20</u>
	<u>Santa Clara<sup>3</sup></u>	<u>2850</u>	<u>21</u>	<u>15</u>
	<u>St. George<sup>3</sup></u>	<u>2750</u>	<u>21</u>	<u>15</u>
	<u>All other county locations<sup>5</sup></u>	<u>--</u>	<u>--</u>	<u>--</u>
<u>Wayne</u>	<u>Loa<sup>3</sup></u>	<u>7080</u>	<u>43</u>	<u>30</u>

<sup>1</sup>The IRC requires a minimum live load – See R301.6.

<sup>2</sup>This table is informational only in that actual site elevations may vary. Table is only valid if site elevation is within 100 feet of the listed elevation. Otherwise, contact the local Building Official.

<sup>3</sup>Values adopted from Table VII of the Utah Snow Load Study

<sup>4</sup>Values based on site-specific study. Contact local Building Official for additional information.

<sup>5</sup>Contact local Building Official.

<sup>6</sup>Based on C<sub>e</sub> = 1.0, C<sub>t</sub> = 1.0 and I<sub>s</sub> = 1.0

~~(8)~~(10) 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 indentified in that table. Otherwise, ~~the~~ ground snow load,  $P_g$ , to be used in the determination of design snow loads for buildings and other structures shall be determined by using the following formula:  $P_g = (P_o^2 + S^2(A-A_o)^2)^{0.5}$  for A greater than  $A_o$ , and  $P_g = P_o$  for A less than or equal to  $A_o$ .

WHERE:

$P_g$  = Ground snow load at a given elevation (psf);

$P_o$  = Base ground snow load (psf) from Table No. R301.2(5a);

S = Change in ground snow load with elevation (psf/100 ft.) From Table No. R301.2(5a);

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

$A_o$  = Base ground snow elevation from Table R301.2(5a) (ft./1,000).

The building official may round the roof snow load to the nearest 5 psf.

The ground snow load,  $P_g$ , may be adjusted by the building official when a licensed engineer or architect submits data substantiating the adjustments. ~~A record of such action together with the substantiating data shall be provided to the division for a permanent record. The building official may also directly adopt roof snow loads in accordance with Table R301.2(5b), provided the site is no more than 100 ft. higher than the listed elevation.~~

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

~~(9)~~(11) In IRC, Section R302.2, the words "Exception: A" are deleted and replaced with the following:

"Exceptions:

1. A common 2-hour fire-resistance-rated wall is permitted for townhouses if such walls do not contain plumbing or mechanical equipment, ducts or vents in the cavity of the common wall. Electrical installation shall be installed in accordance with Chapters 34 through 43. Penetrations of electrical outlet boxes shall be in accordance with Section R302.4.
2. In buildings equipped with an automatic residential fire sprinkler system, a".

~~(40)~~(12) In IRC, Section R302.2.4, a new exception 6 is added as follows:

"6. Townhouses separated by a common 2-hour fire-resistance-rated wall as provided in Section R302.2."

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

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

~~(44)~~(15) IRC, Sections R311.7.4 through R311.7.4.3, are deleted and replaced with the following: "R311.7.4 Stair treads and risers.

R311.7.4.1 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).

R311.7.4.2 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).

R311.7.4.3 Profile. 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."

~~(12)~~(16) In IRC, Section ~~R312.2~~ R312.1.2, the words "adjacent fixed seating" are deleted.

~~(17)~~ IRC, Section R312.2, is deleted.

~~(13)~~ (18) IRC, Sections R313.1 through R313.2.1, ~~is~~ 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."

~~(14)~~ IRC, Section R315.1, is deleted and replaced with the following: "R315.1 Carbon monoxide alarms. For new construction, a listed carbon monoxide alarm shall be installed on each habitable level of dwelling units within which fuel-fired appliances are installed and in dwelling units that have attached garages."

~~(15)~~ IRC, Section R315.3, is deleted and replaced with the following: "R315.3 Alarm requirements. Listed single- and multiple-station carbon monoxide alarms shall comply with UL 2034 and shall be installed in accordance with the provision of this code and NFPA 720."

(19) A new IRC, Section R315.5, is added as follows:

“R315.5 Power source. Carbon monoxide alarms shall receive their primary power from the building wiring when such wiring is served from a commercial source, and when primary power is interrupted, shall receive power from a battery. Wiring shall be permanent and without a disconnecting switch other than those required for over-current protection. Exceptions:

1. Carbon monoxide alarms shall be permitted to be battery operated when installed in buildings without commercial power.
2. Hard wiring of carbon monoxide alarms in existing areas shall not be required where the alterations or repairs do no result in the removal of interior wall or ceiling finishes exposing the structure, unless there is an attic, crawl space or basement available which could provide access for hard wiring, without the removal of interior finishes.

(20) A new IRC, Section R315.6, is added as follows:

“R315.6 Interconnection. Where more than one carbon monoxide alarm is required to be installed within an individual dwelling unit in accordance with Section R315.1, the alarm devices shall be interconnected in such a manner that the actuation of one alarm will activate all of the alarms in the individual unit. Physical interconnection of smoke alarms shall not be required where listed wireless alarms are installed and all alarms sound upon activation of one alarm.

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

(16) (21) In IRC, Section R403.1.6, a new Exception 4 is added as follows:

"4. 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."

(17) (22) 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."

(18) (23) 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."

(24) IRC, Section R501.3, is deleted.

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

(1) — IRC, Sections R612.2 through R612.4.2, are deleted.

(2)(1) IRC, Chapter 11, is deleted and replaced with Chapter 11 of the 2006 International Residential Code and Chapter 4 of the 2006 International Energy Conservation Code.  
In IRC, Section N1101.8 (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.”

(2) In IRC, Section N1101.14 (R303.3), all wording after the first sentence is deleted.

(3) In IRC, Table N1102.1.1 (402.1.1) and Table N1102.1.3 (R402.1.3), the rows for “climate zone 3”, “climate zone 5 and Marine 4”, and “climate zone 6” are deleted and replaced and a new footnote j is added as follows:

“TABLE N1102.1.1 (R402.1.1)  
INSULATION AND FENESTRATION REQUIREMENTS BY COMPONENT<sup>a</sup>

<u>CLIMATE ZONE</u>	<u>FENESTRATION U-FACTOR<sup>b</sup></u>	<u>SKYLIGHT U-FACTOR<sup>b</sup></u>	<u>GLAZED FENESTRATION SHGC<sup>b,e</sup></u>	<u>CEILING R-VALUE</u>	<u>WOOD FRAME WALL R-VALUE</u>	<u>MASS WALL R-VALUE<sup>i,j</sup></u>	<u>FLOOR R-VALUE</u>	<u>BASEMENT<sup>c</sup> WALL R-VALUE</u>	<u>SLAB<sup>d</sup> R-VALUE &amp; DEPTH</u>	<u>CRAWL SPACE<sup>c</sup> WALL R-VALUE</u>
<u>3</u>	<u>0.65</u>	<u>0.65</u>	<u>0.40</u>	<u>30</u>	<u>15</u>	<u>5</u>	<u>19</u>	<u>0</u>	<u>0</u>	<u>5/13</u>
<u>5 and Marine 4</u>	<u>0.35</u>	<u>0.60</u>	<u>NR</u>	<u>38</u>	<u>19 or 13 + 5<sup>h</sup></u>	<u>13</u>	<u>30<sup>g</sup></u>	<u>10/13</u>	<u>10, 2 ft</u>	<u>10/13</u>
<u>6</u>	<u>0.35</u>	<u>0.60</u>	<u>NR</u>	<u>49</u>	<u>19 or 13 +</u>	<u>15</u>	<u>30<sup>g</sup></u>	<u>10/13</u>	<u>10, 4 ft</u>	<u>10/13</u>

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

TABLE N1102.1.3 (R402.1.3)  
EQUIVALENT U-FACTORS<sup>a</sup>

<u>CLIMATE ZONE</u>	<u>FENESTRATION U-FACTOR</u>	<u>SKYLIGHT U-FACTOR</u>	<u>CEILING U-FACTOR</u>	<u>FRAME WALL U-FACTOR</u>	<u>MASS WALL U-FACTOR<sup>b</sup></u>	<u>FLOOR U-FACTOR</u>	<u>BASEMENT WALL U-FACTOR</u>	<u>CRAWL SPACE WALL U-FACTOR</u>
<u>3</u>	<u>0.65</u>	<u>0.65</u>	<u>0.035</u>	<u>0.082</u>	<u>0.141</u>	<u>0.047</u>	<u>0.360</u>	<u>0.136</u>
<u>5 and Marine 4</u>	<u>0.35</u>	<u>0.60</u>	<u>0.030</u>	<u>0.060</u>	<u>0.082</u>	<u>0.033</u>	<u>0.059</u>	<u>0.065</u>
<u>6</u>	<u>0.35</u>	<u>0.60</u>	<u>0.026</u>	<u>0.060</u>	<u>0.060</u>	<u>0.033</u>	<u>0.059</u>	<u>0.065</u>

(4) In IRC, Section N1102.2.1 (R402.2.1), the last sentence is deleted.

(5) In IRC, Section N1102.2.2 (R402.2.2), the last sentence is deleted.

(6) In IRC, Section N1102.3.3 (R402.3.3), the last sentence is deleted.

(7) In IRC, Section N1102.3.4 (R402.3.4), the last sentence is deleted.

(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”.

(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 building official, the builder may certify compliance to components criteria for items which may not be inspected during regularly scheduled inspections.”

- (10) In IRC, Section N1102.4.1.2 (R402.4.1.2), the following changes are made:
- a. "In the first sentence, the words "in Zones 1 and 2, and 3 air changes per hour in Zone 3 through 8" are deleted.
  - b. In the third sentence, the words "Where required by the building official," and the word "third" are deleted.
  - c. 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."
- (11) In IRC, Section N1102.4.4 (R402.4.4), the last sentence is deleted.
- (12) In IRC, Section N1103.2.2 (R403.2.2), the exception for total leakage testing is deleted and replaced with the following: "Exception: The total leakage test is not required for systems with air handlers and at least 85% of ducts (measured by length) located entirely within the building thermal envelope."
- (13) In IRC, Section N1103.2.3 (R403.2.3), the words "or plenums" are deleted.
- (14) In IRC, Section N1103.4.2 (R403.4.2), the sentences for "3.", "9.", and the last sentence are deleted.
- (15) In IRC, Section N1103.5 (R403.5), the first sentence is deleted.
- (16) IRC, Section N1104.1 (R404.1), and the exception are deleted and N1104.1.1 (R404.1.1) becomes N1104.1 (R404.1).
- (17) In IRC, Table N1105.5.2(1) (R405.5.2(1)), the following changes are made under the column STANDARD REFERENCE DESIGN:
- a. In the row "Air exchange rate", the words "in Zones 1 and 2, and 3 air changes per hour in Zones 3 through 8" are deleted.
  - b. In the row "Heating systems<sup>f, 9</sup>", the standard reference design is deleted and replaced with the following:  
"Fuel Type: same as proposed design  
Efficiencies:  
Electric: air source heat pump with prevailing federal minimum efficiencies  
Nonelectric furnaces: natural gas furnace with prevailing federal minimum efficiencies  
Nonelectric boilers: natural gas boiler with prevailing federal minimum efficiencies  
Capacity: sized in accordance with Section N1103.6"
  - k. In the row "Cooling systems<sup>f, h</sup>" the words "As proposed" are deleted and replaced with the following:  
"Fuel Type: Electric  
Efficiency: in accordance with prevailing federal minimum standards"
  - d. In the row "Service water heating<sup>f, g, h, i,</sup>", the words "As proposed" are deleted and replaced with the following:  
"Fuel Type: same as proposed design

Efficiency: in accordance with prevailing federal minimum standards

Tank Temperature: 120° F

- e. In the row "Thermal distribution systems" the word "none" is deleted and replaced with the following: "Thermal distribution system efficiency (DSE) of .080 shall be applied to both the heating and cooling system efficiencies."
- (18) In Table N1105.5.2(2) (R405.5.2(2)) the number "0.80" is inserted under "Forced air systems" for "Distribution system components located in unconditioned space".
- (19) In IRC, Section M1307.2, the words "In Seismic Design Categories D<sub>1</sub> and D<sub>2</sub>" are deleted.
- ~~(3)~~ (20) IRC, Section M1411.6, is deleted.
- ~~(4)~~ In IRC, Section M1502.4.4.1, the words "25 feet (7,620 mm)" are deleted and replaced with "35 feet (10,668 mm)".

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

- (1) In IRC, Table M1601.1.1(2), in the section "Round ducts and enclosed rectangular ducts", the word "enclosed" is deleted; the wording "8 inches or less" under duct size, "0.013" under minimum thickness (in.), "30" under equivalent galvanized gage no. and "0.0159" under aluminum minimum thickness (in.) is added; and the section entitled "Exposed rectangular ducts" is deleted.
- (2) In IRC, Section M1901.3, the word "only" is inserted between the words "labeled" and "for".
- (3) 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."

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

- (1) 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."
- (2) 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."

- (3) In IRC, Section P2801.7, the all words "townhouses" in the first sentence up to the word "water" is are deleted.
- (4) A new IRC, Section P2902.1.1, is added as follows: "P2902.1.1 Backflow assembly testing. The premise owner or his designee shall have backflow prevention assemblies operation tested at the time of installation, repair, and relocation and at least on an annual basis thereafter, or more frequently as required by the authority having jurisdiction. Testing shall be performed by a Certified Backflow Preventer Assembly Tester. The assemblies that are subject to this paragraph are the Spill Resistant Vacuum Breaker, the Pressure Vacuum Breaker Assembly, the Double Check Backflow Prevention Assembly, the Double Check Detector Assembly Backflow Preventer, the Reduced Pressure Principle Backflow Preventer, and Reduced Pressure Detector Assembly."
- (5) IRC, Table P2902.3, is deleted and replaced with the following:

~~"TABLE P2902.3~~

<del>Assembly (applicable standard)</del>	<del>Degree of Hazard</del>	<del>Application</del>	<del>Installation Criteria</del>
<del>Reduced Pressure Principle Backflow Preventer (AWWA C511, USC-FCCCHR, ASSE 1013 CSA CNA/CSA-B64.4) and Reduced Pressure Detector Assembly (ASSE 1047, USC-FCCCHR)</del>	<del>High or Low</del>	<del>Backpressure or Backsiphonage 1/2" — 16"</del>	<del>a. The bottom of each RP assembly shall be a minimum of 12 inches above the ground or floor. b. RP assemblies shall NOT be installed in a pit. c. The relief valve on each RP assembly shall not be directly connected to any waste disposal line, including sanitary sewer, storm drains, or vents. d. The assembly shall be installed in a horizontal position only unless listed or approved for vertical installation.</del>
<del>Double Check Backflow Prevention Assembly (AWWA C510, USC-FCCCHR, ASSE 1015) Double Check Detector Assembly Backflow Preventer (ASSE 1048,</del>	<del>Low</del>	<del>Backpressure or Backsiphonage 1/2" — 16"</del>	<del>a. If installed in a pit, the DG 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. b. Shall be installed in a horizontal position unless listed or approved for vertical installation.</del>

<p><del>USC-FCCCHR)</del>  <del>Pressure Vacuum Breaker Assembly (ASSE 1020, USC-FCCCHER)</del></p>	<p><del>High or Low</del></p>	<p><del>Backsiphonage  1/2" - 2"</del></p>	<p><del>a. Shall not be installed in an area that could be subjected to backpressure or back drainage conditions.  b. Shall be installed a minimum of 12 inches above all downstream piping and the highest point of use.  c. Shall not be installed below ground or in a vault or pit.  d. Shall be installed in a vertical position only.</del></p>
<p><del>Spill Resistant Vacuum Breaker (ASSE 1056, USC-FCCCHR)</del></p>	<p><del>High or Low</del></p>	<p><del>Backsiphonage  1/4" - 2"</del></p>	<p><del>a. Shall not be installed in an area that could be subjected to backpressure or back drainage conditions.  b. Shall be installed a minimum of 12 inches above all downstream piping and the highest point of use.  c. Shall not be installed below ground or in a vault or pit.  d. Shall be installed in a vertical position only.</del></p>
<p><del>General Installation Criteria</del></p>			<p><del>The assembly owner, when necessary, shall provide devices or structures to facilitate testing, repair, and/or maintenance and to ensure the safety of the backflow technician.  Assemblies shall not be installed more than five feet off the floor unless a permanent platform is installed. The body of the assembly shall not be closer than 12 inches to any wall, ceiling or encumbrance, and shall be accessible for testing, repair and/or maintenance.  In cold climates, assemblies shall be protected from freezing by a means acceptable to the code official. Assemblies shall be maintained as an intact assembly."</del></p>

<u>DEVICE</u>	<u>DEGREE OF HAZARD<sup>a</sup></u>	<u>APPLICATION<sup>b</sup></u>	<u>APPLICABLE STANDARDS</u>
<b><u>BACKFLOW PREVENTION ASSEMBLIES:</u></b>			
<u>Double check backflow prevention assembly and double check fire protection backflow prevention assembly</u>	<u>Low hazard</u>	<u>Backpressure or backsiphonage</u> <u>Sizes 3/8" - 16"</u>	<u>ASSE 1015, AWWA C510, CSA B64.5, CSA B64.5.1</u>
<u>Double check detector fire protection backflow prevention assemblies</u>	<u>Low hazard</u>	<u>Backpressure or backsiphonage</u> <u>Sizes 3/8" - 16"</u>	<u>ASSE 1048</u>
<u>Pressure vacuum breaker assembly</u>	<u>High or low hazard</u>	<u>Backsiphonage only</u> <u>Sizes 1/2" - 2"</u>	<u>ASSE 1020, CSA B64.1.2</u>
<u>Reduced pressure principle backflow prevention assembly and reduced pressure principle fire protection backflow assembly</u>	<u>High or low hazard</u>	<u>Backpressure or backsiphonage</u> <u>Sizes 3/8" - 16"</u>	<u>ASSE 1013, AWWA C511, CSA B64.4, CSA B64.4.1</u>
<u>Reduced pressure detector fire protection backflow prevention assemblies</u>	<u>High or low hazard</u>	<u>Backpressure or backsiphonage</u> <u>(Fire Sprinkler Systems)</u>	<u>ASSE 1047</u>
<u>Spill-resistant vacuum breaker assembly</u>	<u>High or low hazard</u>	<u>Backsiphonage only</u> <u>Sizes 1/2" - 2"</u>	<u>ASSE 1056</u>

**BACKFLOW PREVENTER PLUMBING DEVICES**

<u>Antisiphon-type fill valves for gravity water closet flush tanks</u>	<u>High hazard</u>	<u>Backsiphonage only</u>	<u>ASSE 1002, CSA B125.3</u>
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<u>Backflow preventer for carbonated beverage machines</u>	<u>Low hazard</u>	<u>Backpressure or backsiphonage</u> <u>Sizes 1/4" – 3/8"</u>	<u>ASSE 1022</u>
<u>Backflow preventer with intermediate atmospheric vents</u>	<u>Low hazard</u>	<u>Backpressure or backsiphonage</u> <u>Sizes 1/4" – 3/8"</u>	<u>ASSE 1012,</u> <u>CSA B64.3</u>
<u>Dual check valve type backflow preventers</u>	<u>Low hazard</u>	<u>Backpressure or backsiphonage</u> <u>Sizes 1/4"-1"</u>	<u>ASSE 1024,</u> <u>CSA B64.6</u>
<u>Hose connection backflow preventer</u>	<u>High or low hazard</u>	<u>Backsiphonage only</u> <u>Sizes 1/2"-1"</u>	<u>ASSE 1052,</u> <u>CSA B64.2,</u> <u>B64.2.1</u>
<u>Hose connection vacuum breaker</u>	<u>High or low hazard</u>	<u>Backsiphonage only</u> <u>Sizes 1/2", 3/4 ", 1"</u>	<u>ASSE 1011,</u> <u>CAN/CSA B64.1.1</u>
<u>Atmospheric type vacuum breaker</u>	<u>High or low hazard</u>	<u>Backsiphonage only</u> <u>Sizes 1/2" - 4"</u>	<u>ASSE 1001,</u> <u>CSA B64.1.1</u>
<u>Vacuum breaker wall hydrants, frost resistant, automatic draining type</u>	<u>High or low hazard</u>	<u>Backsiphonage only</u> <u>Sizes 3/4 ", 1"</u>	<u>ASSE 1019,</u> <u>CSA B64.2.2</u>

**OTHER MEANS or METHODS:**

<u>Air gap</u>	<u>High or low hazard</u>	<u>Backsiphonage only</u>	<u>ASME A112.1.2</u>
<u>Air gap fittings for use with plumbing fixtures, appliances and appurtenances</u>	<u>High or low hazard</u>	<u>Backpressure or backsiphonage</u>	<u>ASME A112.1.3</u>

For SI: 1 inch = 25.4 mm

- a. Low Hazard - See Pollution (Section 202), High Hazard - See Contamination (Section 202)
- b. See Backpressure (Section 202), See Backpressure, low head (Section 202), See Backsiphonage Section 202)

(6) — IRC, Table 2902.3a, is added as follows:

<u>Device</u>	<u>Degree of Hazard</u>	<u>Application</u>	<u>Applicable Standard</u>
		<u>"TABLE 2902.3a</u>	

Air Gap	High or Low	Backsiphonage	See Table P2902.3.1 ASME A112.1.2
Antisiphon-type Water Closet Flush Tank Ball Cock	Low	Backsiphonage	ASSE 1002 GSA-CAN/ GSA-B125
Atmospheric Vacuum USC-FCCCHR, Breaker	High or Low	Backsiphonage a. Shall not be installed in an area that could be subjected to backpressure or back drainage conditions. b. Shall not be installed where it may be subjected to continuous pressure for more than 12 consecutive hours at any time. c. Shall be installed a minimum of six inches above all downstream piping and the highest point of use. d. Shall be installed on the discharge (downstream) side of any valves. e. The AVB shall be installed in a vertical position only.	ASSE 1001 USC-FCCCHR, GSA-CAN/GSA-B64.1.1
Dual check valve Backflow Preventer	Low	Backsiphonage or Backpressure 1/4" — 3/8"	ASSE 1024
Backflow Preventer with Intermediate Atmospheric Vent	Low Resident ial Boiler	Backsiphonage or Backpressure 1/4" — 3/4"	ASSE 1012 GSA-CAN/ GSA-B64.3
Dual check valve type Backflow Preventer for Carbonated Beverage Dispensers/Post Mix Type	Low	Backsiphonage or Backpressure 1/4" — 3/8"	ASSE 1022
Hose connection	Low	Backsiphonage	ASSE 1011

Vacuum Breaker		1/2", 3/4", 1"	CSA-CAN/ CSA-B64.2
Vacuum Breaker Wall Hydrants, Frost-resistant, Automatic	Low	Backsiphonage 3/4", 1"	ASSE 1019 CSA-CAN/ CSA-B64.2.2
Draining Type			
Laboratory Faucet Backflow Preventer	Low	Backsiphonage	ASSE 1035 CSA-CAN/ CSA-B64.7
Hose Connection Backflow Preventer	Low	Backsiphonage 1/2" — 1"	ASSE 1052

Installation Guidelines: The above specialty devices shall be installed in accordance with their listing and the manufacturer's instructions and the specific provision of this chapter."

- (6) In IRC, Section P3009.1, all words after the word "urinals" are deleted and the following sentence is added at the end: "Gray water recycling systems for subsurface landscape irrigation shall conform with UAC R317-401 Gray Water Systems."
- (7) A new IRC, Section P3009.1.1 is added as follows: "P3009.1.1 Recording. The existence of a gray water recycling system shall be recorded on the deed of ownership for that property. The certificate of occupancy shall not be issued until the documentation of the recording required under this section is completed by the owner."
- (8) In IRC, Section P3009.2, the words "and systems for subsurface landscape irrigation shall comply with Section P3009.14" are deleted.
- (9) IRC, Section P3009.6, is deleted and replaced with the following: P3009.6 Potable water connections. The potable water supply to any building utilizing a gray water recycling system shall be protected against backflow by a reduced pressure backflow prevention assembly installed in accordance with Section P2902.
- (10) In IRC, Section P3009.7, the following is added at the end of the sentence: "and other clear water wastes which have a pH of 6.0 to 9.0; are non-flammable, non-combustible; without objectionable odor; non-highly pigmented; and will not interfere with the operation of the sewer treatment facility.
- (11) In IRC, Section P3009.13.3, in the second sentence, the following is added between the words "backflow" and "in": "by a reduced pressure backflow prevention assembly or an air gap installed".
- (12) IRC, Section P3009.14, is deleted and replaced with the following: Section P3009.14 LANDSCAPE IRRIGATION SYSTEMS. Gray water recycling systems utilized for subsurface irrigation for single family residences shall comply with the requirements of UAC R317-401, Gray Water Systems. Gray water recycling systems utilized for subsurface irrigation for other occupancies shall comply with UAC R317-3, Design Requirements for Wastewater Collection, Treatment and Disposal and

UAC R317-4, Onsite Waterwaste Systems.

~~(7)~~(13) In IRC, Section P3103.6, 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."

~~(8)~~(14) 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."

**15A-3-206. Amendments to Chapters 36 and 44 of IRC.**

(1) In IRC, Section ~~E3902.11~~ E3902.12, the following words are deleted: "family rooms, dining rooms, living rooms, parlors, libraries, dens, sunrooms, recreation rooms, closets, hallways, and similar rooms or areas".

"Exception: This section does not apply for a simple move or an extension of a branch circuit or an outlet which does not significantly increase the existing electrical load. This exception does not include changes involving remodeling or additions to a residence."

(2) IRC, Chapter 44, is amended by adding the following reference standard:

Standard reference number	Title	Referenced in code section number
USC-FCCCHR 9th 10 <sup>th</sup> 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"

~~(3) In IRC, Chapter 44, the following standard is added under NFPA as follows:~~

Standard reference number	Title	Referenced in code section number
<del>720-09</del>	<del>Standard for the Installation of Carbon Monoxide (CO) Detection and Warning Equipment</del>	<del>R315.3"</del>

~~(4) IRC, Appendix O, Gray Water Recycling Systems, is deleted and replaced with Appendix C of the International Plumbing Code as amended by the State Construction Code.~~

**Part 3. Statewide Amendments to IPC**

**15A-3-301. General provision.**

The amendments in this part are adopted as amendments to the IPC to be applicable statewide.

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

- (1) A new IPC, Section 101.2, is added as follows: "For clarification, the International Private Sewage Disposal Code is not part of the plumbing code even though it is in the same printed volume."
- (2) In IPC, Section 202, the definition for "Backflow Backpressure, Low Head" is deleted.
- (3) In IPC, Section 202, 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)."
- (4) In IPC, Section 202, the following definition is added: "Contamination (High Hazard). An impairment of the quality of the potable water that creates an actual hazard to the public health through poisoning or through the spread of disease by sewage, industrial fluids or waste."
- ~~(4)~~ (5) In IPC, Section 202, the definition for "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")."
- (6) In IPC, Section 202, the following definition is added: "Deep Seal Trap. A manufactured or field fabricated trap with a liquid seal of 4" or larger."
- (7) In IPC, 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."
- (8) In IPC, Section 202, the following definition is added: "High Hazard. See Contamination."
- (9) In IPC, Section 202, the following definition is added: "Low Hazard. See Pollution."
- (10) In IPC, Section 202, the following definition is added: "Pollution (Low Hazard). An impairment of the quality of the potable water to a degree that does not create a hazard to the public health but that does adversely and unreasonably affect the aesthetic qualities of such potable water for domestic use."
- ~~(5)~~(11) In IPC, Section 202, the definition for "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, Chapters 4, Safe Drinking Water Act, and 5, Water Quality Act, and the regulations of the public health authority having jurisdiction."

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

- (1) In IPC, ~~Table Section 303.4, the item listed as "Backflow prevention devices" is modified as follows~~ the following exception is added:
  - (a) ~~in the Third-Party Certified field, after the word "Required" add "See~~

- footnote 1";
- (b) ~~in the Third-Party Tested field the following is added: "Required see footnote 1"; and~~
- (c) ~~a new footnote 1 is added as follows: "1. "Exception: Third-party certification for backflow prevention assemblies will consist of any combination of two certifications, laboratory or field. Acceptable third party laboratory certifying agencies are ASSE, IAPMO, and USC-FCCCHR. USC-FCCCHR currently provides the only field testing of backflow protection assemblies. Also see [www.drinkingwater.utah.gov](http://www.drinkingwater.utah.gov) and Division of Drinking Water Rule, Utah Administrative Code, R309-305-6."~~
- (2) IPC, Section 304.3, Meter Boxes, is deleted.
- (3) IPC, Section 311.1, is deleted.
- (4) In IPC, Section 312.3, the following is added at the end of the paragraph:  
"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:
1. Contractor shall recognize that plastic is extremely brittle at lower temperatures and can explode, causing serious injury or death.
  2. Contractor assumes all liability for injury or death to persons or damage to property or for claims for labor and/or material arising from any alleged failure of the system during testing with air or compressed gasses.
  3. 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.
  4. Contractor shall take all precautions necessary to limit the pressure within the plastic piping.
  5. No water supply system shall be pressurized in excess of 6 psi as measured by accurate gauges graduated to no more than three times the test pressure.
  6. The pressure gauge shall be monitored during the test period, which should not exceed 15 minutes.
  7. 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."
- (5) In IPC, Section 312.5, the following is added at the end of the paragraph:  
"Where water is not available at the construction site or where freezing conditions limit the use of water on the construction site, plastic water pipes may be permitted to be tested with air. The following procedures shall be followed:
1. Contractor shall recognize that plastic is extremely brittle at lower temperatures and can explode, causing serious injury or death.
  2. Contractor assumes all liability for injury or death to persons or damage to property or for claims for labor and/or material arising from any alleged failure of the system during testing with air or compressed gasses.
  3. 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.

4. Contractor shall take all precautions necessary to limit the pressure within the plastic piping.
5. Water supply systems shall be pressure tested to a minimum of 50 psi but not more than 80 psi as measured by accurate gauges graduated to no more than three times the test pressure.
6. The pressure gauge shall be monitored during the test period, which should not exceed 15 minutes.
7. 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) (6) ~~IPC, Sections 312.10 through 312.10.2, are deleted and replaced with the following: "312.10 Backflow assembly testing. The premise owner or his designee shall have backflow prevention assemblies operation tested at the time of installation, repair, and relocation and at least on an annual basis thereafter, or more frequently as required by the authority having jurisdiction. Testing shall be performed by a Certified Backflow Preventer Assembly Tester. The assemblies that are subject to this paragraph are the Spill Resistant Vacuum Breaker, the Pressure Vacuum Breaker Assembly, the Double Check Backflow Prevention Assembly, the Double Check Detector Assembly Backflow Preventer, the Reduced Pressure Principle Backflow Preventer, and Reduced Pressure Detector Assembly."~~

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

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

- (1) In IPC, Section Table 403.1, the following changes are made:
  - (a) The title for Table 403.1 is deleted and replaced with the following: "Table 403.1, Minimum Number of Required Plumbing Facilities<sup>a, h</sup>."
  - (b) In the row for "E" occupancy in the field for "OTHER" a new footnote i is added.
  - (c) In the row for "I-4" occupancy in the field for "OTHER" a new footnote i is added.
  - (d) A new footnote h is added as follows:  
"FOOTNOTE: gh. When provided, in public toilet facilities there shall be an equal number of diaper changing facilities in male toilet rooms and female toilet rooms."
  - (e) A new footnote i is added to the table as follows:  
"FOOTNOTE i: Non residential child care facilities shall comply with additional sink requirements of Utah Administrative Code R430-100-4."
- (2) A new IPC, Section 406.43, is added as follows: "406.43 Automatic clothes washer safe pans. Safe pans, when installed under automatic

- clothes washers, shall be installed in accordance with Section 504.7."
- (3) A new IPC, Section 412.5, is added as follows: "412.5 Public toilet rooms. All public toilet rooms shall be equipped with at least one floor drain."

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

- (1) IPC, Section 502.4, is deleted and replaced with the following: 502.4 Seismic supports. Appliances designed to be fixed in position shall be fastened or anchored in an approved manner. 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. At the lower point, the strapping shall maintain a minimum distance of 4 inches (102 mm) above the controls.
- ~~(4)~~(2) In IPC, Section 504.7.2, 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."
- ~~(2)~~(3) A new IPC, Section 504.7.3, is added as follows: "504.7.3 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."

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

- (1) IPC, Section 602.3, is deleted and replaced with the following: "602.3 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, 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."
- (2) IPC, Sections 602.3.1, 602.3.2, 602.3.3, 602.3.4, 602.3.5, and 602.3.5.1, are deleted.
- (3) A new IPC, Section 604.4.1, is added as follows: "604.4.1 Manually operated metering faucets. Self closing or manually operated metering faucets shall provide a flow of water for at least 15 seconds without the need to reactivate the faucet."
- (4) IPC, Section 606.5, is deleted and replaced with the following: "606.5 Water pressure booster systems. Water pressure booster systems shall be provided as required by Section 606.5.1 through 606.5.11."
- (5) A new IPC, Section 606.5.11, is added as follows: "606.5.11 Prohibited installation. In no case shall a booster pump be allowed that will lower the pressure in the public main to less than ~~20 psi~~ the minimum water

pressure specified in Utah Administrative Code R309-105-9."

(6) In IPC, Section 608.1, the words "and pollution" are added after the word "contamination".

(6) (7) IPC, Table 608.1, is deleted and replaced with the following:

TABLE 608.1  
General Methods of Protection  
Application of Backflow Preventers

Assembly (applicable standard)	Degree of Hazard	Application	Installation Criteria
<del>Reduced Pressure Principle Backflow Preventer (AWWA C511, USC FCCCHR, ASSE 1013 CSA CNA/CSA-B64.4) and Reduced Pressure Detector Assembly (ASSE 1047, USC FCCCHR)</del>	<del>High or Low</del>	<del>Backpressure or Backsiphonage 1/2"–16"</del>	<del>a. The bottom of each RP assembly shall be a minimum of 12 inches above the ground or floor. b. RP assemblies shall NOT be installed in a pit. c. The relief valve on each RP assembly shall not be directly connected to any waste disposal line, including sanitary sewer, storm drains, or vents. d. The assembly shall be installed in a horizontal position only unless listed or approved for vertical installation.</del>
<del>Double Check Backflow Prevention Assembly (AWWA C510, USC FCCCHR, ASSE 1015) Double Check Detector Assembly Backflow Preventer (ASSE 1048, USC FCCCHR)</del>	<del>Low</del>	<del>Backpressure or Backsiphonage 1/2"–16"</del>	<del>a. If installed in a pit, the DC 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. b. Shall be installed in a horizontal position unless listed or approved for vertical installation.</del>
<del>Pressure Vacuum Breaker Assembly (ASSE 1020, USC FCCCHER)</del>	<del>High or Low</del>	<del>Backsiphonage 1/2" - 2"</del>	<del>a. Shall not be installed in an area that could be subjected to backpressure or back drainage conditions. b. Shall be installed a minimum of 12 inches above all downstream</del>

Spill Resistant Vacuum Breaker (ASSE 1056, USC-FCCCHR)	High or Low	Backsiphonage 1/4" - 2"	<p>pipng and the highest point of use.</p> <p>c. Shall not be installed below ground or in a vault or pit.</p> <p>d. Shall be installed in a vertical position only.</p>
General Installation Criteria			<p>a. Shall not be installed in an area that could be subjected to backpressure or back drainage conditions.</p> <p>b. Shall be installed a minimum of 12 inches above all downstream piping and the highest point of use.</p> <p>c. Shall not be installed below ground or in a vault or pit.</p> <p>d. Shall be installed in a vertical position only.</p> <p>The assembly owner, when necessary, shall provide devices or structures to facilitate testing, repair, and/or maintenance and to ensure the safety of the backflow technician.</p> <p>Assemblies shall not be installed more than five feet off the floor unless a permanent platform is installed. The body of the assembly shall not be closer than 12 inches to any wall, ceiling or encumbrance, and shall be accessible for testing, repair and/or maintenance.</p> <p>In cold climates, assemblies shall be protected from freezing by a means acceptable to the code official. Assemblies shall be maintained as an intact assembly."</p>

<u>DEVICE</u>	<u>DEGREE OF HAZARD<sup>a</sup></u>	<u>APPLICATION<sup>b</sup></u>	<u>APPLICABLE STANDARDS</u>
<b><u>BACKFLOW PREVENTION ASSEMBLIES:</u></b>			
<u>Double check backflow prevention</u>	<u>Low hazard</u>	<u>Backpressure or backsiphonage Sizes 3/8" - 16"</u>	<u>ASSE 1015, AWWA C510, CSA B64.5, CSA B64.5.1</u>

assembly and  
double check fire  
protection  
backflow  
prevention  
assembly

Double check  
detector fire  
protection  
backflow  
prevention  
assemblies

Low hazard

Backpressure or  
backsiphonage  
Sizes 3/8" - 16"

ASSE 1048

Pressure vacuum  
breaker assembly

High or low hazard

Backsiphonage  
only  
Sizes 1/2" - 2"

ASSE 1020, CSA  
B64.1.2

Reduced pressure  
principle backflow  
prevention  
assembly and  
reduced pressure  
principle fire  
protection  
backflow assembly

High or low hazard

Backpressure or  
backsiphonage  
Sizes 3/8 " – 16 "

ASSE 1013, AWWA  
C511, CSA B64.4,  
CSA B64.4.1

Reduced pressure  
detector fire  
protection  
backflow  
prevention  
assemblies

High or low hazard

Backpressure or  
backsiphonage  
(Fire Sprinkler  
Systems)

ASSE 1047

Spill-resistant  
vacuum breaker  
assembly

High or low hazard

Backsiphonage  
only  
Sizes 1/2" - 2"

ASSE 1056

### **BACKFLOW PREVENTER PLUMBING DEVICES**

Antisiphon-type fill valves for gravity  
water closet flush tanks

High hazard

Backsiphonage  
only

ASSE 1002,  
CSA B125.3

Backflow preventer for carbonated  
beverage machines

Low hazard

Backpressure or  
backsiphonage  
Sizes 1/4" – 3/8"

ASSE 1022

Backflow preventer with intermediate  
atmospheric vents

Low hazard

Backpressure or  
backsiphonage  
Sizes 1/4" – 3/8"

ASSE 1012,  
CSA B64.3

<u>Dual check valve type backflow preventers</u>	<u>Low hazard</u>	<u>Backpressure or backsiphonage</u> <u>Sizes 1/4"-1"</u>	<u>ASSE 1024,</u> <u>CSA B64.6</u>
<u>Hose connection backflow preventer</u>	<u>High or low hazard</u>	<u>Backsiphonage</u> <u>only Sizes 1/2"-1"</u>	<u>ASSE 1052,</u> <u>CSA B64.2,</u> <u>B64.2.1</u>
<u>Hose connection vacuum breaker</u>	<u>High or low hazard</u>	<u>Backsiphonage</u> <u>only</u> <u>Sizes 1/2", 3/4", 1"</u>	<u>ASSE 1011,</u> <u>CAN/CSA</u> <u>B64.1.1</u>
<u>Atmospheric type vacuum breaker</u>	<u>High or low hazard</u>	<u>Backsiphonage</u> <u>only</u> <u>Sizes 1/2" - 4"</u>	<u>ASSE 1001,</u> <u>CSA B64.1.1</u>
<u>Vacuum breaker wall hydrants, frost resistant, automatic draining type</u>	<u>High or low hazard</u>	<u>Backsiphonage</u> <u>only</u> <u>Sizes 3/4", 1"</u>	<u>ASSE 1019,</u> <u>CSA B64.2.2</u>

**OTHER MEANS or METHODS:**

<u>Air gap</u>	<u>High or low hazard</u>	<u>Backsiphonage</u> <u>only</u>	<u>ASME A112.1.2</u>
<u>Air gap fittings for use with plumbing fixtures, appliances and appurtenances</u>	<u>High or low hazard</u>	<u>Backpressure or backsiphonage</u>	<u>ASME A112.1.3</u>

For SI: 1 inch = 25.4 mm

- a. Low Hazard - See Pollution (Section 202), High Hazard - See Contamination (Section 202)
- b. See Backpressure (Section 202), See Backpressure, low head (Section 202), See Backsiphonage Section 202)

~~(7) IPC, Table 608.1.1, is added as follows:~~

<del>Device</del>	<del>Degree of Hazard</del>	<del>Application</del>	<del>Applicable Standard</del>
<del>Air Gap</del>	<del>High or Low</del>	<del>Backsiphonage</del>	<del>See Table P2902.3.1 ASME A112.1.2</del>
<del>Antisiphon-type Water Closet Flush Tank Ball Cock</del>	<del>Low</del>	<del>Backsiphonage</del>	<del>ASSE 1002 CSA CAN/ CSA-B125</del>
<del>Atomspheric Vacuum USC-FCCCHR, Breaker</del>	<del>High or Low</del>	<del>Backsiphonage</del> <del>a. Shall not be installed in an area that could be</del>	<del>ASSE 1001 USC-FCCCHR, CSA CAN/CSA-B64.1.1</del>

subjected to backpressure or back drainage conditions.

b. Shall not be installed where it may be subjected to continuous pressure for more than 12 consecutive hours at any time.

c. Shall be installed a minimum of six inches above all downstream piping and the highest point of use.

d. Shall be installed on the discharge (downstream) side of any valves.

e. The AVB shall be installed in a vertical position only.

Dual check valve Backflow Preventer	Low	<del>Backsiphonage or Backpressure 1/4" – 3/8"</del>	<del>ASSE 1024</del>
Backflow Preventer with Intermediate Atmospheric Vent	Low Residential Boiler	<del>Backsiphonage or Backpressure 1/4" – 3/4"</del>	<del>ASSE 1012 CSA-CAN/ CSA-B64.3</del>
Dual check valve type Backflow Preventer for Carbonated Beverage Dispensers/Post Mix Type	Low	<del>Backsiphonage or Backpressure 1/4" – 3/8"</del>	<del>ASSE 1022</del>
Hose-connection Vacuum Breaker	Low	<del>Backsiphonage 1/2", 3/4", 1"</del>	<del>ASSE 1011 CSA-CAN/ CSA-B64.2</del>
Vacuum Breaker Wall Hydrants, Frost-resistant, Automatic Draining Type	Low	<del>Backsiphonage 3/4", 1"</del>	<del>ASSE 1019 CSA-CAN/ CSA-B64.2.2</del>
Laboratory Faucet Backflow	Low	<del>Backsiphonage</del>	<del>ASSE 1035 CSA-CAN/</del>

Preventer			CSA-B64.7
Hose Connection	Low	Backsiphonage	ASSE 1052
Backflow		1/2" — 1"	
Preventer			

Installation Guidelines: The above specialty devices shall be installed in accordance with their listing and the manufacturer's instructions and the specific provisions of this chapter."

~~(8)~~ (8) In IPC, Section 608.3, the word "and" after the word "contamination" is deleted and replaced with a coma and the words "and pollution" are added after the word "contamination" in the first sentence.

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

~~(8)~~(10) In IPC, Section 608.6, the following sentence is added at the end of the paragraph:

"Any connection between potable water piping and sewer-connected waste shall be protected by an air gap in accordance with Section 608.13.1."

~~(9)~~(11) IPC, Section 608.7, is deleted and replaced with the following: :  
"608.7 Stop and Waste Valves installed below grade. Combination stop-and-waste valves shall be permitted to be installed underground or below grade. Freezeproof yard hydrants that drain the riser into the ground are considered to be stop-and-waste valves and shall be permitted."

~~(40)~~(12) In IPC, Section 608.11, the following sentence is added at the end of the paragraph: "The coating and installation shall conform to NSF Standard 61 and application of the coating shall comply with the manufacturer's instructions."

~~(44)~~(13) IPC, Section 608.13.3, is deleted and replaced with the following:  
"608.13.3 Backflow preventer with intermediate atmospheric vent. Backflow preventers with intermediate atmospheric vents shall conform to ASSE 1012 or CSA CAN/CSA-B64.3. These devices shall be permitted to be installed on residential boilers only, without chemical treatment, where subject to continuous pressure conditions. The relief opening shall discharge by air gap and shall be prevented from being submerged."

~~(42)~~(14) IPC, Section 608.13.4, is deleted.

~~(43)~~(15) IPC, Section 608.13.9, is deleted and replaced with the following:  
"608.13.9 Chemical dispenser backflow devices. Backflow devices for chemical dispensers shall comply with Section 608.16.7."

~~(44)~~(16) IPC, Section 608.15.3, is deleted and replaced with the following:  
"608.15.3 Protection by a backflow preventer with intermediate atmospheric vent. Connections to residential boilers only, without chemical treatment, shall be protected by a backflow preventer with an intermediate atmospheric vent."

~~(45)~~(17) IPC, Section 608.15.4, is deleted and replaced with the following:  
"608.15.4 Protection by a vacuum breaker. Openings and outlets shall be protected by atmospheric-type or pressure-type vacuum breakers. Vacuum breakers shall not be installed under exhaust hoods or similar locations that will contain toxic fumes or vapors. ~~The critical level of the~~

~~atmospheric vacuum breaker shall be set a minimum of 6 inches (152 mm) above the flood level rim of the fixture or device. The critical level of the pressure vacuum breaker shall be set a minimum of 12 inches (304 mm) above the flood level rim of the fixture or device. Fill valves shall be set in accordance with Section 425.3.1.~~

Atmospheric Vacuum Breakers - The critical level of the atmospheric vacuum breaker shall be set a minimum of 6 inches (152 mm) above the flood level rim of the fixture or device. ~~shall not be installed under exhaust hoods or similar locations that will contain toxic fumes or vapors. Pipe-applied vacuum breakers shall be installed not less than 6 inches (152 mm) above the flood level rim of the fixture, receptor, or device served. No valves shall be installed downstream of the atmospheric vacuum breaker."~~

Pressure Vacuum Breaker – The critical level of the pressure vacuum breaker shall be set a minimum of 12 inches (304 mm) above the flood level of the fixture or device.

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

~~(17)~~(19) In IPC, Section 608.16.2, ~~the first sentence of the paragraph is deleted and replaced as follows: "608.16.2 Connections to boilers. The potable water supply to the residential a boiler only, without chemical treatment, shall be protected by an air gap or a reduced pressure principle backflow preventer, complying with ASSE 1013, CSA B64.4 or AWWA C511.~~

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

~~(18)~~(20) IPC, Section 608.16.3, is deleted and replaced with the following: "608.16.3 Heat exchangers. Heat exchangers shall be separated from potable water by double-wall construction. An air gap open to the atmosphere shall be provided between the two walls.

Exceptions:

1. Single wall heat exchangers shall be permitted when all of the following conditions are met:
  - a. It utilizes a heat transfer medium of potable water or contains only substances which are recognized as safe by the United States Food and Drug Administration (FDA);
  - b. The pressure of the heat transfer medium is maintained less than the normal minimum operating pressure of the potable water system; and
  - c. The equipment is permanently labeled to indicate only additives recognized as safe by the FDA shall be used.
2. Steam systems that comply with paragraph 1 above.
3. Approved listed electrical drinking water coolers."

~~(19)~~(21) In IPC, Section 608.16.4.1, a new exception is added as follows: "Exception: All class 1 and 2 systems containing chemical additives consisting of strictly glycerine (C.P. or U.S.P. 96.5 percent grade) or

propylene glycol shall be protected against backflow with a double check valve assembly. Such systems shall include written certification of the chemical additives at the time of original installation and service or maintenance."

~~(20)~~(22) IPC, Section 608.16.7, is deleted and replaced with the following: "608.16.7 Chemical dispensers. Where chemical dispensers connect to the water distribution system, the water supply system shall be protected against backflow in accordance with Section 608.13.1, Section 608.13.2, Section 608.13.5, Section 608.13.6 or Section 608.13.8. Chemical dispensers shall connect to a separate dedicated water supply separate from any sink faucet."

~~(21)~~(23) IPC, Section 608.16.8, is deleted and replaced with the following: "608.16.8 Portable cleaning equipment. Where the portable cleaning equipment connects to the water distribution system, the water supply system shall be protected against backflow in accordance with Section 608.13.1, Section 608.13.2 or Section 608.13.8."

~~(22)~~(24) A new IPC, Section 608.16.11, is added as follows: "608.16.11 Automatic and coin operated car washes. The water supply to an automatic or coin operated car wash shall be protected in accordance with Section 608.13.1 or Section 608.13.2."

~~(23)~~(25) IPC, Section 608.17, is deleted and replaced with the following: "608.17 Protection of individual water supplies. See Section 602.3 for requirements."

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

- (1) IPC, Section 701.2, is deleted and replaced with the following: "701.2 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, Rule R317-4, as administered by the Department of Environmental Quality, Division of Water Quality."
- (2) In IPC, Section 712.3.3.1, the following words are added before the word "or": "stainless steel, cast iron, galvanized steel".

#### **15A-3-308. Amendments to Chapter 8 of IPC.**

IPC, Chapter 8, is not amended.

#### **15A-3-309. Amendments to Chapter 9 of IPC.**

- ~~(1)~~ ~~IPC, Section 901.3, is deleted and replaced with the following: "901.3 Chemical waste vent system. The vent system for a chemical waste system shall be independent of the sanitary vent system and shall terminate separately through the roof to the open air or to an air admittance valve provided at least one chemical waste vent in the system terminates separately through the roof to the open air."~~
- ~~(2)~~ (1) In IPC, Section ~~904.4~~ 903.1, when the number of inches is to be specified, "12 inches (304.8mm)" is inserted.
- ~~(3)~~ (2) In IPC, Section ~~904.6~~ 903.6, 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."

~~(4)~~ (3) In IPC, Section 905.4, 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, and bath tub installations when installed in accordance with Sections 702.2, 905.2 and 905.3 and provided with a wall clean out."

~~(5)~~ In IPC, Section 917.8, a new exception is added as follows: "Exception: Air admittance valves shall be permitted in non-neutralized special waste systems provided that they conform to the requirements in Sections 901.3 and 702.5, are tested to ASTM F1412, and are certified by ANSI/ASSE."

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

In IPC, Section 1002.4, the following is added at the end of the paragraph: "Approved Means of Maintaining Trap Seals. Approved means of maintaining trap seals include the following, but are not limited to the methods cited:

- (a) A Listed Trap Seal Primer conforming to ASSE 1018 and ASSE 1044
- (b) A hose bibb or bibbs within the same room
- (c) Drainage from an untrapped lavatory discharging to the tailpiece of those fixture traps which require priming. All fixtures shall be in the same room and on the same floor level as the trap primer
- (d) Barrier type floor drain trap seal protection device meeting ASSE Standard 1072
- (e) Deep seal p-trap".

### **15A-3-311. Amendments to Chapter 11 of IPC.**

- (1) IPC, Section 1104.2, is deleted and replaced with the following: "1104.2 Combining storm and sanitary drainage prohibited. The combining of sanitary and storm drainage systems is prohibited."
- (2) IPC, Section 1108, is deleted.

### **15A-3-312. Amendments to Chapter 12 of IPC.**

IPC, Chapter 12, is not amended.

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

~~IPC, Chapter 13, is not amended.~~

- (1) In IPC, Section 1301.1, all words after the word "urinals" are deleted and the following sentence is added at the end: "Gray water recycling systems for subsurface landscape irrigation shall conform with UAC R317-401 Gray Water Systems."
- (2) A new IPC, Section 1301.1.1 is added as follows: "1301.1.1 Recording. The existence of a gray water recycling system shall be recorded on the deed of ownership for that property. The certificate of occupancy shall not be issued until the documentation of the recording required under this section is completed by the owner."
- (3) In IPC, Section 1301.2, the words "and systems for subsurface landscape irrigation shall comply with Section 1303" are deleted.
- (4) IPC, Section 1301.6, is deleted and replaced with the following: 1301.6 Potable

water connections. The potable water supply to any building utilizing a gray water recycling system shall be protected against backflow by a reduced pressure backflow prevention assembly installed in accordance with Section 608.

- (5) In IPC, Section 1301.7, the following is added at the end of the sentence: "and other clear water wastes which have a pH of 6.0 to 9.0; are non-flammable, non-combustible; without objectionable odor; non-highly pigmented; and will not interfere with the operation of the sewer treatment facility.
- (6) In IPC, Section 1302.3, in the second sentence, the following is added between the words "backflow" and "in": "by a reduced pressure backflow prevention assembly or an air gap installed".
- (7) IPC, Section 1303, is deleted and replaced with the following: Section 1303 SUBSURFACE LANDSCAPE IRRIGATION SYSTEMS. Gray water recycling systems utilized for subsurface irrigation for single family residences shall comply with the requirements of UAC R317-401, Gray Water Systems. Gray water recycling systems utilized for subsurface irrigation for other occupancies shall comply with UAC R317-3, Design Requirements for Wastewater Collection, Treatment and Disposal and UAC R317-4, Onsite Waterwaste Systems.

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

- (1) In IPC, Chapter 14, the following referenced standard is added under ASSE:

"Standard reference number	Title	Referenced in code section number
1072-2007	Performance Requirements for Barrier Type Floor Drain Trap Seal Protection Devices	1004.2"

- (2) In IPC, Chapter 14, the following referenced standard is added:

"Standard reference number	Title	Referenced in code section number
USC-FCCCHR 9 <sup>th</sup> 10 <sup>th</sup> 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 608.1"

- (3) ~~IPC, Appendix C, is deleted and replaced with the following Appendix C, Gray Water Recycling Systems, which may be adopted by local jurisdictions only as provided under the State Construction Code: "Appendix C Gray Water Recycling Systems Note: Section 301.3 of this code requires all plumbing fixtures that receive water or waste to discharge to the sanitary drainage system of the structure. In order to allow for the utilization of a gray water system,~~

Section 301.3 should be revised to read as follows:

In jurisdictions which have adopted this Appendix C as amended as a local amendment as provided herein, Section 301.3 of the IPC is deleted and replaced with the following:

~~301.3 Connections to drainage system. All plumbing fixtures, drains, appurtenances, and appliances used to receive or discharge liquid wastes or sewage shall be directly connected to the sanitary drainage system of the building or premises, in accordance with the requirements of this code. This section shall not be construed to prevent indirect waste systems required by Chapter 8.~~

~~Exception: Bathtubs, showers, lavatories, clothes washers, laundry trays, and approved clear water wastes shall not be required to discharge to the sanitary drainage system where such fixtures discharge to an approved gray water system for flushing of water closets and urinals or for subsurface landscape irrigation.~~

#### ~~SECTION C101 GENERAL~~

~~C101.1 Scope. The provisions of this appendix shall govern the materials, design, construction, and installation of gray water systems for flushing of water closets and urinals (see Figure 2).~~

~~C101.2 Recording. The existence of a gray water recycling system shall be recorded on the deed of ownership for that property.~~

~~C101.3 Definition. The following term shall have the meaning shown herein:~~

~~GRAY WATER. Waste discharged from lavatories, bathtubs, showers, clothes washers, laundry trays, 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.~~

~~C101.4 Permits. Permits shall be required in accordance with Section 106 and may also be required by the local health department.~~

~~C101.5 Installation. In addition to the provisions of Section C101, systems for flushing of water closets and urinals shall comply with Section C102. Except as provided for in Appendix C, all systems shall comply with the provisions of the International Plumbing Code.~~

~~C101.6 Materials. Above-ground drain, waste, and vent piping for gray water systems shall conform to one of the standards listed in Table 702.1. Gray water underground building drainage and vent pipe shall conform to one of the standards listed in Table 702.2.~~

~~C101.7 Tests. Drain, waste, and vent piping for gray water systems shall be tested in accordance with Section 312.~~

~~C101.8 Inspections. Gray water systems shall be inspected in accordance with Section 107.~~

~~C101.9 Potable water connections. The potable water supply to any building utilizing a gray water recycling system shall be~~

protected against backflow by a reduced pressure principle backflow preventer installed in accordance with this Code.

~~C101.10 Waste water connections. Gray water recycling systems shall receive only the waste discharge of bathtubs, showers, lavatories, clothes washers, or laundry trays, and other 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.~~

~~C101.11 Collection reservoir. Gray water shall be collected in an approved reservoir constructed of durable, nonabsorbent, and corrosion-resistant materials. The reservoir shall be a closed and gas-tight vessel. Access openings shall be provided to allow inspection and cleaning of the reservoir interior.~~

~~C101.12 Filtration. Gray water entering the reservoir shall pass through an approved cartridge filter having a design flow rate of less than 0.375 gallons per minute per square foot of effective filter area, or a sand or diatomaceous earth filter designed to handle the anticipated volume of water.~~

~~C101.12.1 Required valve. A full-open valve shall be installed downstream of the last fixture connection to the gray water discharge pipe before entering the required filter.~~

~~C101.13 Overflow. The collection reservoir shall be equipped with an overflow pipe having the same or larger diameter as the influent pipe for the gray water. The overflow pipe shall be trapped and indirectly connected to the sanitary drainage system.~~

~~C101.14 Drain. A drain shall be located at the lowest point of the collection reservoir and shall be indirectly connected to the sanitary drainage system. The drain shall be the same diameter as the overflow pipe required in Section C101.12.~~

~~C101.15 Vent required. The reservoir shall be provided with a vent sized in accordance with Chapter 9 and based on the diameter of the reservoir influent pipe.~~

## ~~SECTION C102 SYSTEMS FOR FLUSHING WATER CLOSETS AND URINALS~~

~~C102.1 Collection reservoir. The holding capacity of the reservoir shall be a minimum of twice the volume of water required to meet the daily flushing requirements of the fixtures supplied with gray water, but not less than 50 gallons (189 L). The reservoir shall be sized to limit the retention time of gray water to a maximum of 72 hours.~~

~~C102.2 Disinfection. Gray water shall be disinfected by an approved method that employs one or more disinfectants such as chlorine, iodine, or ozone that is recommended for use with the pipes, fittings, and equipment by the manufacturer of the pipe, fittings, and equipment. A minimum of 1ppm residual free chlorine shall be maintained in the gray water recycling system reservoir.~~

~~C102.3 Makeup water. Potable water shall be supplied as a source of~~

~~makeup water for the gray water system. The potable water supply shall be protected against backflow by a reduced pressure principle backflow preventer installed in accordance with this Code. There shall be a full open valve located on the makeup water supply line to the collection reservoir.~~

~~C102.4 Coloring. The gray water shall be dyed blue or green with a food grade vegetable dye before such water is supplied to the fixtures.~~

~~C102.5 Materials. Distribution piping shall conform to one of the standards listed in Table 605.4.~~

~~C102.6 Identification. Distribution piping and reservoirs shall be identified as containing nonpotable water. Piping identification shall be in accordance with Section 608.8.~~

#### ~~SECTION C103 SUBSURFACE LANDSCAPE IRRIGATION SYSTEMS~~

~~C103.1 Gray water recycling systems utilized for subsurface irrigation for single family residences shall comply with the requirements of Utah Administrative Code, R317-401, Gray Water Systems. Gray water 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."~~

### **Part 4. Statewide Amendments to IMC**

#### **15A-3-401. General provision.**

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

- (1) In IMC, Section 202, the definition for "CONDITIONED SPACE" is deleted and replaced with the following: "CONDITIONED SPACE. An area, room, or space enclosed within the building thermal envelope that is directly heated or cooled, or indirectly heated or cooled by any of the following means:
  1. Openings directly into an adjacent conditioned space.
  2. An un-insulated floor, ceiling or wall adjacent to a conditioned space.
  3. Un-insulated duct, piping or other heat or cooling source within the space."
- ~~(4)~~(2) In IMC, Section 403, a new Section 403.8 is added as follows:  
"Retrospective effect. Removal, alteration, or abandonment shall not be required, and continued use and maintenance shall be allowed, for a ventilation system within an existing installation that complies with the requirements of this Section 403 regardless of whether the ventilation system satisfied the minimum ventilation rate requirements of prior law."
- (3) In IMC, Table 603.4, in the section "Round ducts and enclosed rectangular ducts", the word "enclosed" is deleted; the wording "8 inches or less" under duct size, "0.013" under minimum thickness (in.), "30" under equivalent galvanized gage no. and "0.0159" under aluminum minimum thickness (in.) is added; and the entire section entitled "Exposed

- rectangular ducts” is deleted.”
- (4) In IMC, Section 1004.2, the first sentence is deleted and replaced with the following: “Boilers and pressure vessels in Utah are regulated by the Utah Labor Commission, Division of Boiler, Elevator and Coal Mine Safety, except those located in private residences or in apartment houses of less than five family units. Boilers shall be installed in accordance with their listing and labeling, with minimum clearances as prescribed by the manufacture’s installation instructions.”
- (5) In IMC, Section 1004.3.1, the word “unlisted” is inserted before the word “boilers”.
- ~~(2)~~(6) IMC, Section 1101.10, is deleted.

## **Part 5. Statewide Amendments to IFGC**

### **15A-3-501. General provision.**

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

- (1) in In IFGC, Chapter 4, Section 401, General 404.9 a new Section IFGC, Section 401.9 404.9.1, is added as follows: “401.9 404.9.1 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 still provide access for service and comply with the IBC or the IRC.”
- (2) IFGC, Section 409.5.3, is deleted.
- (3) In IFGC, Section 631.2, the following sentence is inserted before the first sentence: “Boilers and pressure vessels in Utah are regulated by the Utah Labor Commission, Division of Boiler, Elevator and Coal Mine Safety, except those located in private residences or in apartment houses of less than five family units.”

## **Part 6. Statewide Amendments to NEC**

### **15A-3-601. General provision.**

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 installations applicable under the IRC. All other installations shall comply with the adopted NEC.
- (2) In NEC, Section 310.15(B)(7), the second sentence is deleted and replaced with the following: "For application of this section, the main power feeder shall be the feeder(s) between the main disconnect and the panelboard(s)."

## **Part 7. Statewide Amendments to IECC**

### **15A-3-701. General provision.**

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

- (1) In IECC, Section C202, the definition for “CONDITIONED SPACE” is deleted and replaced with the following: “CONDITIONED SPACE. An

area, room or space enclosed within the building thermal envelop that is directly heated or cooled, or indirectly heated or cooled by any of the following means:

1. Openings directly into an adjacent conditioned space.
  2. An un-insulated floor, ceiling or wall adjacent to a conditioned space.
  3. Un-insulated duct, piping or other heat or cooling source within the space.”
- (2) in In IECC, Section 504.4 C404.4, a new exception is added as follows: "Exception: Heat traps, other than the arrangement of piping and fittings, shall be prohibited unless a means of controlling thermal expansion can be ensured as required in the IPC Section 607.3."
- (3) In IECC, Section 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.”
- (4) In IECC, Section R202, the definition for “CONDITIONED SPACE” is deleted and replaced with the following: “CONDITIONED SPACE. An area, room or space enclosed within the building thermal envelop that is directly heated or cooled, or indirectly heated or cooled by any of the following means:
1. Openings directly into an adjacent conditioned space.
  2. An un-insulated floor, ceiling or wall adjacent to a conditioned space.
  3. Un-insulated duct, piping or other heat or cooling source within the space.”
- (5) In IECC, Section R303.3, all wording after the first sentence is deleted.
- (6) In IECC, Table R402.1.1 and Table R402.1.3, the rows for “climate zone 3”, “climate zone 5 and Marine 4, and climate zone 6” are deleted and replaced and a new footnote j is added as follows:

**“TABLE R402.1.1  
INSULATION AND FENESTRATION REQUIREMENTS BY COMPONENT<sup>a</sup>**

CLIMATE ZONE	FENESTRATION U-FACTOR <sup>b</sup>	SKYLIGHT <sup>b</sup> U-FACTOR	GLAZED FENESTRATION SHGC <sup>b,e</sup>	CEILING R-VALUE	WOOD FRAME WALL R-VALUE	MASS WALL R-VALUE <sup>i,j</sup>	FLOOR R-VALUE	BASEMENT <sup>c</sup> WALL R-VALUE	SLAB <sup>d</sup> R-VALUE & DEPTH	CRAWL SPACE <sup>c</sup> WALL R-VALUE
3	0.65	0.65	0.40	30	15	5	19	0	0	5/13
5 and Marine	0.35	0.60	NR	38	19 or 13 + 5 <sup>h</sup>	13	30 <sup>g</sup>	10/13	10, 2 ft	10/13
6	0.35	0.60	NR	49	19 or 13 +	15	30 <sup>g</sup>	10/13	10, 4 ft	10/13

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

**TABLE R402.1.3 EQUIVALENT U-FACTORS<sup>a</sup>**

<u>CLIMATE ZONE</u>	<u>FENESTRATION U-FACTOR</u>	<u>SKYLIGHT U-FACTOR</u>	<u>CEILING U-FACTOR</u>	<u>FRAME WALL U-FACTOR</u>	<u>MASS WALL U-FACTOR<sup>b</sup></u>	<u>FLOOR U-FACTOR</u>	<u>BASEMENT WALL U-FACTOR</u>	<u>CRAWL SPACE WALL U-FACTOR</u>
<u>3</u>	<u>0.65</u>	<u>0.65</u>	<u>0.035</u>	<u>0.082</u>	<u>0.141</u>	<u>0.047</u>	<u>0.360</u>	<u>0.136</u>
<u>5 and Marine 4</u>	<u>0.35</u>	<u>0.60</u>	<u>0.030</u>	<u>0.060</u>	<u>0.082</u>	<u>0.033</u>	<u>0.059</u>	<u>0.065</u>
<u>6</u>	<u>0.35</u>	<u>0.60</u>	<u>0.026</u>	<u>0.060</u>	<u>0.060</u>	<u>0.033</u>	<u>0.059</u>	<u>0.065</u>

- (7) In IECC, Section R402.2.1, the last sentence is deleted.
- (8) In IECC, Section R402.2.2, the last sentence is deleted.
- (9) In IECC, Section R402.3.3, the last sentence is deleted.
- (10) In IECC, Section R402.3.4, the last sentence is deleted.
- (11) In IECC, Section R402.4.1, in the first sentence, the word “and” is deleted and replaced with the word “or”.
- (12) In IECC, Section R402.4.1.1, the last sentence is deleted and replaced with the following: “Where allowed by the building official, the builder may certify compliance to components criteria for items which may not be inspected during regularly scheduled inspections.”
- (13) In IECC, Section R402.4.1.2, the following changes are made:
- a. “In the first sentence, the words “in Zones 1 and 2, and 3 air changes per hour in Zone 3 through 8” are deleted.
  - b. In the third sentence, the words “Where required by the building official,” and the word “third” are deleted.
  - c. 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.”
- (14) In IECC, Section R402.4.4, the last sentence is deleted.
- (15) In IECC, Section R403.2.2, the exception for total leakage testing is deleted and replaced with the following: “Exception: The total leakage test is not required for systems with air handlers and at least 85% of ducts (measured by length) located entirely within the building thermal envelope.”
- (16) In IECC, Section R403.2.3, the words “or plenums” are deleted.
- (17) In IECC, Section R403.4.2, the sentences for “3.” and “9.” and the last sentence are deleted.
- (18) In IECC, Section R403.5, the first sentence is deleted.
- (19) IECC, Section R404.1 and the exception are deleted and R404.1.1 becomes R404.1.
- (20) In IECC, Table R405.5.2(1), the following changes are made under the column STANDARD REFERENCE DESIGN:
- a. In the row “Air exchange rate”, the words “in Zones 1 and 2, and 3 air changes per hour in Zones 3 through 8” are deleted.
  - b. In the row “Heating systems<sup>f, 9</sup>”, the standard reference design is deleted and replaced with the following:  
“Fuel Type: same as proposed design  
Efficiencies:  
Electric: air source heat pump with prevailing federal minimum efficiencies

Nonelectric furnaces: natural gas furnace with prevailing federal minimum efficiencies

Nonelectric boilers: natural gas boiler with prevailing federal minimum efficiencies

Capacity: sized in accordance with Section N1103.6”

- c. In the row “Cooling systems<sup>f, h</sup>” the words “As proposed” are deleted and replaced with the following:

“Fuel Type: Electric

Efficiency: in accordance with prevailing federal minimum standards”

- d. In the row “Service water heating<sup>f, g, h, i,</sup>”, the words “As proposed” are deleted and replaced with the following:

“Fuel Type: same as proposed design

Efficiency: in accordance with prevailing federal minimum standards

Tank Temperature: 120° F”

- e. In the row “Thermal distribution systems” the word “none” is deleted and replaced with the following: “Thermal distribution system efficiency (DSE) of .080 shall be applied to both the heating and cooling system efficiencies.”

- (21) In IECC, Table R405.5.2(2) the number “0.80” is inserted under “Forced air systems” for “Distribution system components located in unconditioned space”.

## **Part 8. Installation and Safety Requirements for Mobile Homes Built Before June 15, 1976**

### **15A-3-801. General provision.**

Mobile homes built before June 15, 1976 that are subject to relocation, building alteration, remodeling, or rehabilitation shall comply with the following:

- (1) Related to exits and egress windows:
  - (a) Egress windows. The home has at least one egress window in each bedroom, or a window that meets the minimum specifications of the U.S. Department of Housing and Urban Development's (HUD) Manufactured Homes Construction and Safety Standards (MHCSS) program as set forth in 24 C.F.R. Parts 3280 and 3283, MHCSS 3280.106 and 3280.404 for manufactured homes. These standards require the window to be at least 22 inches in the horizontal or vertical position in its least dimension and at least five square feet in area. The bottom of the window opening shall be no more than 36 inches above the floor, and the locks and latches and any window screen or storm window devices that need to be operated to permit exiting shall not be located more than 54 inches above the finished floor.
  - (b) Exits. The home is required to have two exterior exit doors, located remotely from each other, as required in MHCSS 3280.105. This standard requires that single-section homes have the doors no less than 12 feet, center-to-center, from each other, and multisection

home doors no less than 20 feet center-to-center from each other when measured in a straight line, regardless of the length of the path of travel between the doors. One of the required exit doors must be accessible from the doorway of each bedroom and no more than 35 feet away from any bedroom doorway. An exterior swing door shall have a 28-inch-wide by 74-inch-high clear opening and sliding glass doors shall have a 28-inch-wide by 72-inch-high clear opening. Each exterior door other than screen/storm doors shall have a key-operated lock that has a passage latch; locks shall not require the use of a key or special tool for operation from the inside of the home.

(2) Related to flame spread:

- (a) Walls, ceilings, and doors. Walls and ceilings adjacent to or enclosing a furnace or water heater shall have an interior finish with a flame-spread rating not exceeding 25. Sealants and other trim materials two inches or less in width used to finish adjacent surfaces within these spaces are exempt from this provision, provided all joints are supported by framing members or materials with a flame spread rating of 25 or less. Combustible doors providing interior or exterior access to furnace and water heater spaces shall be covered with materials of limited combustibility (i.e., 5/16-inch gypsum board, etc.), with the surface allowed to be interrupted for louvers ventilating the space. However, the louvers shall not be of materials of greater combustibility than the door itself (i.e., plastic louvers on a wooden door). Reference MHCSS 3280.203.
- (b) Exposed interior finishes. Exposed interior finishes adjacent to the cooking range (surfaces include vertical surfaces between the range top and overhead cabinets, the ceiling, or both) shall have a flame-spread rating not exceeding 50, as required by MHCSS 3280.203.  
Backsplashes not exceeding six inches in height are exempted. Ranges shall have a vertical clearance above the cooking top of not less than 24 inches to the bottom of combustible cabinets, as required by MHCSS 3280.204(e).

(3) Related to smoke detectors:

- (a) Location. A smoke detector shall be installed on any ceiling or wall in the hallway or space communicating with each bedroom area between the living area and the first bedroom door, unless a door separates the living area from that bedroom area, in which case the detector shall be installed on the living-area side, as close to the door as practicable, as required by MHCSS 3280.208. Homes with bedroom areas separated by any one or combination of common-use areas such as a kitchen, dining room, living room, or family room (but not a bathroom or utility room) shall be required to have one detector for each bedroom area. When located in the hallways, the detector shall be between the return air intake and the living areas.
- (b) Switches and electrical connections. Smoke detectors shall have

no switches in the circuit to the detector between the over-current protection device protecting the branch circuit and the detector. The detector shall be attached to an electrical outlet box and connected by a permanent wiring method to a general electrical circuit. The detector shall not be placed on the same branch circuit or any circuit protected by a ground-fault circuit interrupter.

- (4) Related to solid-fuel-burning stoves/fireplaces:
- (a) Solid-fuel-burning fireplaces and fireplace stoves. Solid-fuel-burning, factory-built fireplaces, and fireplace stoves may be used in manufactured homes, provided that they are listed for use in manufactured homes and installed according to their listing/manufacturer's instructions and the minimum requirements of MHCSS 3280.709(g).
  - (b) Equipment. A solid-fuel-burning fireplace or fireplace stove shall be equipped with an integral door or shutters designed to close the fire chamber opening and shall include complete means for venting through the roof, a combustion air inlet, a hearth extension, and means to securely attach the unit to the manufactured home structure.
    - (i) Chimney. A listed, factory-built chimney designed to be attached directly to the fireplace/fireplace stove and equipped with, in accordance with the listing, a termination device and spark arrester, shall be required. The chimney shall extend at least three feet above the part of the roof through which it passes and at least two feet above the highest elevation of any part of the manufactured home that is within 10 feet of the chimney.
    - (ii) Air-intake assembly and combustion-air inlet. An air-intake assembly shall be installed in accordance with the terms of listings and the manufacturer's instruction. A combustion-air inlet shall conduct the air directly into the fire chamber and shall be designed to prevent material from the hearth from dropping on the area beneath the manufactured home.
    - (iii) Hearth. The hearth extension shall be of noncombustible material that is a minimum of 3/8-inch thick and shall extend a minimum of 16 inches in front and eight inches beyond each side of the fireplace/fireplace stove opening. The hearth shall also extend over the entire surface beneath a fireplace stove and beneath an elevated and overhanging fireplace.
- (5) Related to electrical wiring systems:
- (a) Testing. All electrical systems shall be tested for continuity in accordance with MHCSS 3280.810, to ensure that metallic parts are properly bonded; tested for operation, to demonstrate that all equipment is connected and in working order; and given a polarity check, to determine that connections are proper.
  - (b) 5.2 Protection. The electrical system shall be properly protected for the required amperage load. If the unit wiring employs aluminum conductors, all receptacles and switches rated at 20 amperes or

less that are directly connected to the aluminum conductors shall be marked CO/ALA. Exterior receptacles, other than heat tape receptacles, shall be of the ground-fault circuit interrupter (GFI) type. Conductors of dissimilar metals (copper/aluminum or copper-clad aluminum) must be connected in accordance with NEC, Section 110-14.

- (6) Related to replacement furnaces and water heaters:
  - (a) Listing. Replacement furnaces or water heaters shall be listed for use in a manufactured home. Vents, roof jacks, and chimneys necessary for the installation shall be listed for use with the furnace or water heater.
  - (b) Securement and accessibility. The furnace and water heater shall be secured in place to avoid displacement. Every furnace and water heater shall be accessible for servicing, for replacement, or both as required by MHCSS 3280.709(a).
  - (c) Installation. Furnaces and water heaters shall be installed to provide complete separation of the combustion system from the interior atmosphere of the manufactured home, as required by MHCSS.
    - (i) Separation. The required separation may be achieved by the installation of a direct-vent system (sealed combustion system) furnace or water heater or the installation of a furnace and water heater venting and combustion systems from the interior atmosphere of the home. There shall be no doors, grills, removable access panels, or other openings into the enclosure from the inside of the manufactured home. All openings for ducts, piping, wiring, etc., shall be sealed.
    - (ii) Water heater. The floor area in the area of the water heater shall be free from damage from moisture to ensure that the floor will support the weight of the water heater.

## CHAPTER 4. LOCAL AMENDMENTS INCORPORATED AS PART OF STATE CONSTRUCTION CODE

### Part 1. Local Amendments to IBC

#### 15A-4-101. General provision.

The amendments in this part are adopted as amendments to the IBC to be applicable to the specified jurisdiction.

#### 15A-4-102. Amendments to IBC applicable to Brian Head Town.

The following amendment is adopted as an amendment to the IBC for Brian Head Town, Subsection 15A-3-104(6) that amends IBC, Section (F)903.2.8, is deleted and replaced with the following: "(F)903.2.8 Group R. An automatic sprinkler system installed in accordance with Section (F)903.3 shall be provided throughout all buildings with a Group R fire area.

Exception:

1. Detached one and two family dwellings and multiple single-family dwellings (townhouses) constructed in accordance with the International Residential Code for one and two-family dwellings. Except that an automatic fire sprinkler system shall be installed in all one- and two-family dwellings and townhouses over 3,000 square feet in size of defined living space (garage is excluded from defined living space) in accordance with Section (F)903.3.1 of the International Building Code. In areas not served by Brian Head Town culinary water services, NFPA Standard 1142 for water supplies for rural fire fighting shall apply. Any one- and two-family dwellings and townhouses that are difficult to locate or access, as determined by the authority having jurisdiction, shall be required to follow the guidelines as set forth in the NFPA Standard 1142 regardless of the size of the building.
2. Group R-4 fire areas not more than 4,500 gross square feet and not containing more than 16 residents, provided the building is equipped throughout with an approved fire alarm system that is interconnected and receives its primary power from the building wiring and a commercial power system."

#### 15A-4-103. Amendments to IBC applicable to City of Farmington.

The following amendments are adopted as amendments to the IBC for the City of Farmington:

- (1) A new IBC, Section (F) 903.2.13, is added as follows: "(F) 903.2.13 Group R, Division 3 Occupancies. An automatic sprinkler system shall be installed throughout every dwelling in accordance with NFPA 13D, when any of the following conditions are present:
  1. The structure is over two stories high, as defined by the building code;
  2. The nearest point of structure is more than 150 feet from the public way;
  3. The total floor area of all stories is over 5,000 square feet (excluding from the calculation the area of the basement and/or

- garage); or
4. The structure is located on a street constructed after March 1, 2000, that has a gradient over 12% and, during fire department response, access to the structure will be gained by using such street. (If the access is intended to be from a direction where the steep gradient is not used, as determined by the Chief, this criteria shall not apply). Such sprinkler system shall be installed in basements, but need not be installed in garages, under eaves or in enclosed attic spaces, unless required by the Chief."
- (2) A new IBC, Section 907.9, is added as follows: "907.9 Alarm Circuit Supervision. Alarm circuits in alarm systems provided for commercial uses (defined as other than one- and two-family dwellings and townhouses) shall have Class "A" type of supervision. Specifically, Type "B" or End-of-line resistor and horn supervised systems are not allowed."
  - (3) In NFPA Section 13-07, new sections are added as follows:
    - "6.8.6 FDC Security Locks Required. All Fire Department connections installed for fire sprinkler and standpipe systems shall have approved security locks.
    - 6.10 Fire Pump Disconnect Signs. When installing a fire pump, red plastic laminate signs shall be installed in the electrical service panel, if the pump is wired separately from the main disconnect. These signs shall state: "Fire Pump Disconnect ONLY" and "Main Breaker DOES NOT Shut Off Fire Pump".
    - 22.1.6 Plan Preparation Identification. All plans for fire sprinkler systems, except for manufacturer's cut sheets of equipment shall include the full name of the person who prepared the drawings. When the drawings are prepared by a registered professional engineer, the engineer's signature shall also be included.
    - 22.2.2.3 Verification of Water Supply:
      - 22.2.2.3.1 Fire Flow Tests. Fire flow tests for verification of water supply shall be conducted and witnessed for all applications other than residential unless directed otherwise by the Chief. For residential water supply, verification shall be determined by administrative procedure.
      - 22.2.2.3.2 Accurate and Verifiable Criteria. The design calculations and criteria shall include an accurate and verifiable water supply.
      - 24.2.3.7 Testing and Inspection of Systems. Testing and inspection of sprinkler systems shall include, but are not limited to:
        - Commercial:
          - FLUSH-Witness Underground Supply Flush;
          - ROUGH Inspection-Installation of Riser, System Piping, Head Locations and all Components, Hydrostatic Pressure Test;
          - FINAL Inspection-Head Installation and Escutcheons, Inspectors Test Location and Flow, Main Drain Flow, FDC Location and Escutcheon, Alarm Function, Spare Parts, Labeling of Components and Signage, System Completeness, Water Supply Pressure Verification, Evaluation of Any Unusual Parameter."

**15A-4-104. Amendments to IBC applicable to City of North Salt Lake.**

The following amendment is adopted as an amendment to the IBC for the City of North Salt Lake, a new IBC, Section (F)903.2.13, is added as follows:

"(F)903.2.13 Group R, Division 3 Occupancies. An automatic sprinkler system shall be installed throughout every dwelling in accordance with NFPA 13D, when the following condition is present:

1. The structure is over 6,200 square feet.  
Such sprinkler system shall be installed in basements, but need not be installed in garages, under eaves, or in enclosed attic spaces, unless required by the fire chief."

**15A-4-105. Amendments to IBC applicable to Park City Corporation or Park City Fire District.**

- (1) The following amendment is adopted as an amendment to the IBC for the Park City Corporation, in IBC, Section 3409.2, exception 3, is modified to read as follows: "3. Designated as historic under a state or local historic preservation program."
- (2) The following amendments are adopted as amendments to the IBC for the Park City Corporation and Park City Fire District:
  - (a) IBC, Section (F)903.2, is deleted and replaced with the following: "(F)903.2 Where required. Approved automatic sprinkler systems in new buildings and structures shall be provided in the location described in this section.  
All new construction having more than 6,000 square feet on any one floor, except R-3 occupancy.  
All new construction having more than two (2) stories, except R-3 occupancy.  
All new construction having three (3) or more dwelling units, including units rented or leased, and including condominiums or other separate ownership.  
All new construction in the Historic Commercial Business zone district, regardless of occupancy.  
All new construction and buildings in the General Commercial zone district where there are side yard setbacks or where one or more side yard setbacks is less than two and one half (2.5) feet per story of height.  
All existing building within the Historic District Commercial Business zone."  
(b) In IBC, Table 1505.1, new footnotes d and e are added as follows: "d. Wood roof covering assemblies are prohibited in R-3 occupancies in areas with a combined rating of more than 11 using Tables 1505.1.1 and 1505.1.2 with a score of 9 for weather factors.  
e. Wood roof covering assemblies shall have a Class A rating in occupancies other than R-3 in areas with a combined rating of more than 11 using Tables 1505.1.1 and 1505.1.2 with a score of 9 for weather factors. The owner of the building shall enter into a written and recorded agreement that the Class A

rating of the roof covering assembly will not be altered through any type of maintenance process.

TABLE 1505.1.1		
WILDFIRE HAZARD SEVERITY SCALE		
RATING	SLOPE	VEGETATION
1	less than or equal to 10%	Pinion-juniper
2	10.1 - 20%	Grass-sagebrush
3	greater than 20%	Mountain brush or softwoods

  

TABLE 1505.1.2		
PROHIBITION/ALLOWANCE OF WOOD ROOFING		
Rating	R-3 Occupancy	All Other Occupancies
Less than or equal to 11	Wood roof covering assemblies per Table 1505.1 are allowed	Wood roof covering assemblies per Table 1505.1 are allowed
Greater than or equal to 12	Wood roof covering is prohibited	Wood roof covering assemblies with a Class A rating are allowed"

(c) IBC, Appendix C, is adopted.

**15A-4-106. Amendments to IBC applicable to Salt Lake City.**

The following amendment is adopted as an amendment to the IBC for Salt Lake City, in IBC, Section 1008.1.9.7, a new exception is added as follows: "Exception: In International Airport areas designated as Group "A" Occupancies where national security interests are present, the use of panic hardware with delayed egress is allowed when all provisions of Section 1008.1.9.7 are met and under item #4 1 second is changed to 2 seconds."

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

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

- (1) A new IBC, Section (F)903.2.13, is added as follows: "(F)903.2.13 An automatic sprinkler system shall be installed in accordance with NFPA 13 throughout buildings containing all occupancies where fire flow exceeds 2,000 gallons per minute, based on Table B105.1 of the ~~2009~~ 2012 International Fire Code. Exempt locations as indicated in Section 903.3.1.1.1 are allowed.  
Exception: Automatic fire sprinklers are not required in buildings used solely for worship, Group R Division 3, Group U occupancies and buildings complying with the International Residential Code unless otherwise required by the International Fire Code.
- (2) A new IBC, Appendix L, is added and adopted as follows: "Appendix L BUILDINGS AND STRUCTURES CONSTRUCTED IN AREAS DESIGNATED AS WILDLAND-URBAN INTERFACE AREAS

AL 101.1 General. Buildings and structures constructed in areas designated as Wildland-Urban Interface Areas by Sandy City shall be constructed using ignition resistant construction as determined by the Fire Marshal. Section 502 of the 2006 International Wildland-Urban Interface Code (IWUIC), as promulgated by the International Code Council, shall be used to determine Fire Hazard Severity. The provisions listed in Chapter 5 of the 2006 International Wildland-Urban Interface Code, as modified herein, shall be used to determine the requirements for Ignition Resistant Construction.

- (i) In Section 504 of the IWUIC Class I IGNITION-RESISTANT CONSTRUCTION a new Section 504.1.1 is added as follows: "504.1.1 General. Subsections 504.5, 504.6, and 504.7 shall only be required on the exposure side of the structure, as determined by the Fire Marshal, where defensible space is less than 50 feet as defined in Section 603 of the 2006 International Wildland-Urban Interface Code.
- (ii) In Section 505 of the IWUIC Class 2 IGNITION-RESISTANT CONSTRUCTION Subsections 505.5 and 505.7 are deleted."

## **Part 2. Local Amendments to IRC**

### **15A-4-201. General provision.**

- (1) The amendments in this part are adopted as amendments to the IRC to be applicable to specified jurisdiction.
- (2) A local amendment 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 for the local jurisdiction to which the local amendment has been made:
  - (a) IBC under Part 1, Local Amendments to IBC;
  - (b) IPC under Part 3, Local Amendments to IPC;
  - (c) IMC under Part 4, Local Amendments to IMC;
  - (d) IFGC under Part 5, Local Amendments to IFGC;
  - (e) NEC under Part 6, Local Amendments to NEC; and
  - (f) IECC under Part 7, Local Amendments to IECC.

### **15A-4-202. Amendments to IRC applicable to Brian Head Town.**

The following amendment is adopted as an amendment to the IRC for Brian Head Town, a new IRC, Section R324, is added as follows: "Section R324 Automatic Sprinkler Systems. An automatic fire sprinkler system shall be installed in all one- and two-family dwellings and townhouses over 3,000 square feet in size of defined living space (garage is excluded from defined living space) in accordance with Section (F)903.3.1 of the International Building Code. In areas not served by Brian Head Town culinary water services, NFPA Standard 1142 for water supplies for rural fire fighting shall apply. Any one- and two-family dwellings and townhouses that are difficult to locate or access, as determined by the authority having jurisdiction, shall be required to follow the guidelines as set forth in the NFPA Standard 1142 regardless of the size of the building"

**15A-4-203. Amendments to IRC applicable to City of Farmington.**

The following amendments are adopted as amendments to the IRC for the City of Farmington:

- (1) In IRC, R324 Automatic Sprinkler Systems, new IRC, Sections R324.1 and R324.2 are added as follows: "R324.1 When required. An automatic sprinkler system shall be installed throughout every dwelling in accordance with NFPA 13D, when any of the following conditions are present:
1. the structure is over two stories high, as defined by the building code;
  2. the nearest point of structure is more than 150 feet from the public way;
  3. the total floor area of all stories is over 5,000 square feet (excluding from the calculation the area of the basement and/or garage); or
  4. the structure is located on a street constructed after March 1, 2000 that has a gradient over 12% and, during fire department response, access to the structure will be gained by using such street. (If the access is intended to be from a direction where the steep gradient is not used, as determined by the Chief, this criteria shall not apply).

R324.2 Installation requirements and standards. Such sprinkler system shall be installed in basements, but need not be installed in garages, under eaves or in enclosed attic spaces, unless required by the Chief. Such system shall be installed in accordance with NFPA 13D."

- (2) In IRC, Chapter 44, the following NFPA referenced standards are added as follows:

	"TABLE
ADD	
13D-07	Installation of Sprinkler Systems in One- and Two-family Dwellings and Manufactured Homes, as amended by these rules
13R-07	Installation of Sprinkler Systems in Residential Occupancies Up to and Including Four Stories in Height"

- (3) In NFPA, Section 13D-07, new sections are added as follows:
- "1.15 Reference to NFPA 13D. All references to NFPA 13D in the codes, ordinances, rules, or regulations governing NFPA 13D systems shall be read to refer to "modified NFPA 13D" to reference the NFPA 13D as amended by additional regulations adopted by Farmington City.
- 4.9 Testing and Inspection of Systems. Testing and inspection of sprinkler systems shall include, but are not limited to:
- Residential:
- ROUGH Inspection-Verify Water Supply Piping Size and Materials, Installation of Riser, System Piping, Head Locations and all Components, Hydrostatic Pressure Test.
- FINAL Inspection-Inspectors Test Flow, System Completeness,

Spare Parts, Labeling of Components and Signage, Alarm Function, Water Supply Pressure Verification.

5.2.2.3 Exposed Piping of Metal. Exposed Sprinkler Piping material in rooms of dwellings shall be of Metal.

EXCEPTIONS:

- a. CPVC Piping is allowed in unfinished mechanical and storage rooms only when specifically listed for the application as installed.
- b. CPVC Piping is allowed in finished, occupied rooms used for sports courts or similar uses only when the ceiling/floor framing above is constructed entirely of non-combustible materials, such as a concrete garage floor on metal decking.

5.2.2.4 Water Supply Piping Material. Water Supply Piping from where the water line enters the dwelling adjacent to and inside the foundation to the fire sprinkler contractor point-of-connection shall be metal, suitable for potable plumbing systems. See Section 7.1.4 for valve prohibition in such piping. Piping down stream from the point-of-connection used in the fire sprinkler system, including the riser, shall conform to NFPA 13D standards.

5.4 Fire Pump Disconnect Signs. When installing a Fire Pump, Red Plastic Laminate Signs shall be installed in the electrical service panel, if the pump is wired separately from the main disconnect. These signs shall state: "Fire Pump Disconnect ONLY" and "Main Breaker DOES NOT Shut Off Fire Pump".

7.1.4 Valve Prohibition. NFPA 13D, Section 7.1 is hereby modified such that NO VALVE is permitted from the City Water Meter to the Fire Sprinkler Riser Control.

7.6.1 Mandatory Exterior Alarm. Every dwelling that has a fire sprinkler system shall have an exterior alarm, installed in an approved location. The alarm shall be of the combination horn/strobe or electric bell/strobe type, approved for outdoor use.

8.1.05 Plan Preparation Identification. All plans for fire sprinkler systems, except for manufacturer's cut sheets of equipment, shall include the full name of the person who prepared the drawings. When the drawings are prepared by a registered professional engineer, the engineer's signature shall also be included.

8.7 Verification of Water Supply:

8.7.1 Fire Flow Tests: Fire Flow Tests for verification of Water Supply shall be conducted and witnesses for all applications other than residential, unless directed otherwise by the Chief. For residential Water Supply, verification shall be determined by administrative procedure.

8.7.2 Accurate and Verifiable Criteria. The design calculations and criteria shall include an accurate and verifiable Water Supply.

**15A-4-204. Amendments to IRC applicable to Morgan City Corporation or Morgan County.**

- (1) The following amendment is adopted as an amendment to the IRC for the

Morgan City Corporation, in IRC, Section R105.2, Work Exempt From Permit, a new list item number 11 is added as follows: "11. Structures intended to house farm animals, or for the storage of feed associated with said farm animals when all the following criteria are met:

- a. The parcel of property involved is zoned for the keeping of farm animals or has grandfathered animal rights.
- b. The structure is setback not less than 50 feet from the rear or side of dwellings, and not less than 10 feet from property lines and other structures.
- c. The structure does not exceed 1,000 square feet of floor area, and is limited to 20 feet in height. Height is measured from the average grade to the highest point of the structure.
- d. Before construction, a site plan is submitted to, and approved by the building official. Electrical, plumbing, and mechanical permits shall be required when that work is included in the structure."

(2) The following amendment is adopted as an amendment to the IRC for Morgan County, in IRC, Section R105.2, a new list item number 11 is added as follows: "11. Structures intended to house farm animals, or for the storage of feed associated with said farm animals when all the following criteria are met:

- a. The parcel of property involved is zoned for the keeping of farm animals or has grandfathered animal rights.
- b. The structure is set back not less than required by the Morgan County Zoning Ordinance for such structures, but not less than 10 feet from property lines and other structures.
- c. The structure does not exceed 1,000 square feet of floor area, and is limited to 20 feet in height. Height is measured from the average grade to the highest point of the structure.
- d. Before construction, a Land Use Permit must be applied for, and approved, by the Morgan County Planning and Zoning Department. Electrical, plumbing, and mechanical permits shall be required when that work is included in the structure."

**15A-4-205. Amendments to IRC applicable to City of North Salt Lake.**

The following amendment is adopted as an amendment to the IRC for the City of North Salt Lake, a new IRC, Section R324, is added as follows:

"Section R324 Automatic Sprinkler System Requirements. R324.1 When Required. An automatic sprinkler system shall be installed throughout every dwelling when the following condition is present:

1. The structure is over 6,200 square feet.

R324.2 Installation requirements and standards. Such sprinkler system shall be installed in basements, but need not be installed in garages, under eaves, or in enclosed attic spaces, unless required by the fire chief. Such system shall be installed in accordance with NFPA 13D."

**15A-4-206. Amendments to IRC applicable to Park City Corporation or Park City Fire District.**

(1) The following amendment is adopted as an amendment to the IRC for the Park City Corporation, Appendix P, of the 2006 IRC is adopted.

- (2) The following amendments are adopted as amendments to the IRC for Park City Corporation and Park City Fire District:
- (a) IRC, Section R905.7, is deleted and replaced with the following:  
 "R905.7 Wood shingles. The installation of wood shingles shall comply with the provisions of this section.  
 Wood roof covering is prohibited in areas with a combined rating of more than 11 using the following tables with a score of 9 for weather factors.

TABLE		
WILDFIRE HAZARD SEVERITY SCALE		
RATING	SLOPE	VEGETATION
1	less than or equal to 10%	Pinion-juniper
2	10.1 - 20%	Grass-sagebrush
3	greater than 20%	Mountain brush or softwoods
RATING		WOOD ROOF PROHIBITION
less than or equal to 11		wood roofs are allowed
greater than or equal to 12		wood roofs are prohibited"

- (b) IRC, Section R905.8, is deleted and replaced with the following: "R905.8 Wood Shakes. The installation of wood shakes shall comply with the provisions of this section.  
 Wood roof covering is prohibited in areas with a combined rating of more than 11 using the following tables with a score of 9 for weather factors.

TABLE		
WILDFIRE HAZARD SEVERITY SCALE		
RATING	SLOPE	VEGETATION
1	less than or equal to 10%	Pinion-juniper
2	10.1 - 20%	Grass-sagebrush
3	greater than 20%	Mountain brush or softwoods
RATING		WOOD ROOF PROHIBITION
less than or equal to 11		wood roofs are allowed
greater than or equal to 12		wood roofs are prohibited"

- (c) Appendix K is adopted.

**15A-4-207. Amendments to IRC applicable to Sandy City.**

The following amendment is adopted as an amendment to the IRC for Sandy City, a new IRC, Section R324, is added as follows:

"Section R324 IGNITION RESISTANT CONSTRUCTION

R324.1 General. Buildings and structures constructed in areas designated as Wildland-Urban Interface Areas by Sandy City shall be constructed using ignition resistant construction as determined by the Fire Marshal. Section 502 of the 2006 International Wildland-Urban Interface Code (IWUIC), as promulgated by the International Code Council, shall be used to determine Fire Hazard Severity. The provisions listed in Chapter 5 of the 2006 IWUIC, as modified herein, shall be used to determine the requirements for Ignition Resistant Construction.

(i) In Section 504 of the IWUIC Class I IGNITION-RESISTANT CONSTRUCTION a new Section 504.1.1 is added as follows:

504.1.1 General. Subsections 504.5, 504.6, and 504.7 shall only be required on the exposure side of the structure, as determined by the Fire Marshal, where defensible space is less than 50 feet as defined in Section 603 of the 2006 IWUIC.

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

### Part 3. Local Amendments to IPC

#### 15A-4-301. General provision.

The amendments in this part are adopted as amendments to the IPC to be applicable to specified jurisdiction.

#### ~~15A-4-302. Amendments to IPC applicable to Salt Lake City.~~

~~The following amendment is adopted as an amendment to the IPC for Salt Lake City, IPC, Appendix C, as specified and amended in Subsection 15A-3-314(3).~~

~~(1) In IPC, Section 802.1.8, the words "or directly connect" are added after the word "break".~~

~~(2) In IPC, Section 802, a new Section 802.1.8.1 is added as follows: "802.1.8.1 Gravity grease interceptor connection: Those sinks or appliances draining into a gravity grease interceptor shall discharge directly or indirectly through an air gap or air break into a floor sink."~~

~~(3) In IPC, Section 802, a new Section 802.1.8.2 is added as follows: "802.1.8.2 Hydromechanical grease interceptor connection. Those sinks used for washing and primary rinsing of utensils, dishes, pots, pans or service ware and draining through a hydromechanical interceptor shall be directly connected to the interceptor. The sinks shall be trapped and vented to prevent odors from the grease interceptor escaping through the sinks into the building. A flow control device furnished by the manufacturer shall be installed on the inlet side of the interceptor and in accordance with the manufacturers installation instructions. A floor sink shall be installed within five (5') feet downstream of the interceptor outlet. A dedicated branch drain shall be provided to serve the hydromechanical interceptor and the floor sink only. No connections of any kind shall be permitted between the outlet of the interceptor and the connection of the floor sink."~~

~~(4) In IPC, Section 802, a new Section 802.1.9 is added as follows: "802.1.9 Sanitizing sinks. Sinks used for the sanitizing of utensils, dishes, pots, pans, or service ware shall discharge indirectly through an air gap or~~

air break to the drainage system.”

- (5) In IPC, Section 1003.3.4, the following sentence is added before the last sentence: “Hydrochemical grease interceptors and automatic grease removal devices shall not indirectly discharge into a floor sink or any other indirect waste receptor, but shall directly connect to the drainage system.”
- (6) IPC, Section 1003.3.4.2 is deleted and replaced with the following: “1003.3.4.2 Rate of flow controls. Hydromechanical grease interceptors shall be equipped with devices to control the rate of water flow so that the water flow does not exceed the rated flow. The flow control device shall be vented. The vent from the flow control device shall connect to the plumbing vent system within the building or an approved and listed air admittance valve or terminate out the roof. The flow control device shall be installed in accordance with the manufacturers instructions.

**15A-4-303. Amendments to IPC applicable to South Jordan.**

The following amendments are adopted as amendments to the IPC for South Jordan:

- (1) IPC, Section 312.10.2, is deleted and replaced with the following:  
"312.10.2 Testing. Reduced pressure principle backflow preventer assemblies, double check-valve assemblies, pressure vacuum breaker assemblies, reduced pressure detector fire protection backflow prevention assemblies, double check detector fire protection backflow prevention assemblies, hose connection backflow preventers, and spill-proof vacuum breakers shall be tested at the time of installation, immediately after repairs or relocation and at least annually.  
The testing procedure shall be performed in accordance with one of the following standards: ASSE 5013, ASSE 5015, ASSE 5020, ASSE 5047, ASSE 5048, ASSE 5052, ASSE 5056, CSA-B64.10, or CSA-B64.10.1. Assemblies, other than the reduced pressure principle assembly, protecting lawn irrigation systems that fail the annual test shall be replaced with a reduced pressure principle assembly."
- (2) IPC, Section 608.16.5, is deleted and replaced with the following:  
"608.16.5 Connections to lawn irrigation systems. The potable water supply to lawn irrigation systems shall be protected against backflow by a reduced pressure principle backflow preventer."

~~**15A-4-304. Amendments to IPC applicable to Grand County.**~~

~~The following amendment is adopted as an amendment to the IPC for Grand County: IPC, Appendix C, as specified and amended in Subsection 15A-3-314(3).~~

~~**15A-4-305. Amendments to IPC applicable to City of Moab.**~~

~~The following amendment is adopted as an amendment to the IPC for City of Moab: IPC, Appendix C, as specified and amended in Subsection 15A-3-314(3).~~

~~**15A-4-306. Amendments to IPC applicable to Murray City.**~~

~~The following amendment is adopted as an amendment to the IPC for Murray City: IPC, Appendix C, as specified and amended in Subsection 15A-3-314(3).~~

~~**15A-4-307. Amendments to IPC applicable to Salt Lake County.**~~

~~The following amendment is adopted as an amendment to the IPC for Salt Lake County:~~

~~IPC, Appendix C, as specified and amended in Subsection 15A-3-314(3).~~

#### **Part 4. Local Amendment to IMC**

**15A-4-401. General provision.**

No local amendments to the IMC are adopted.

#### **Part 5. Local Amendment to IFGC**

**15A-4-501. General provision.**

No local amendments to the IFGC are adopted.

#### **Part 6. Local Amendment to NEC**

**15A-4-601. General provision.**

No local amendments to the NEC are adopted.

#### **Part 7. Local Amendment to IECC**

**15A-4-701. General provision.**

No local amendments to the IECC are adopted.

Disclaimer: The statute/rule above is an unofficial version provided for convenience only and may not be identical to the official versions on the Utah State Legislature ([www.leg.utah.gov](http://www.leg.utah.gov)) and the Utah Division of Administrative Rules ([www.rules.utah.gov](http://www.rules.utah.gov)) websites.

## PART 2

### **Summary of Recommended Code and Amendment Changes Under Title 15A State Construction and Fire Codes Act (Construction Codes)**

This document is a summary of proposed changes to the updated 2012 national codes and the amendments to those codes recommended by the advisory committees to the Uniform Building Code Commission to include those amendments which the Uniform Building Code Commission has approved for publication and public hearing. The Uniform Building Code Commission will make a recommendation to the Business and Labor Interim Committee.

These proposed changes are written with strikethrough and underline as if the changes are being made to existing statute. The changes are shown in this format for easier identification of items that are recommended for change.

#### **Overall Summary of Proposed Changes:**

The advisory committees to the Uniform Building Code Commission are recommending proposed amendments be adopted as part of the State Construction Code.

There are 5 areas of changes recommended:

1. Update adopted construction codes from the 2009 International Code Council (ICC) codes to the 2012 ICC codes.
2. Update residential energy codes from the 2006 International Energy Conservation Code (IECC) and Chapter 11 of the 2006 International Residential Code (IRC) to the 2012 IECC and IRC.
3. Delete existing amendments that are no longer needed because the 2012 ICC codes now adequately address the reason for the Utah amendment.
4. Modify existing amendments to coordinate with revised text in the 2012 ICC codes. Many of these amendments do not change the primary reason or requirements for the amendment but are needed for clarity and organization. Some of the amendments are also revised to coordinate with the requirements of other state or federal agencies.
5. Delete selected new requirements of the 2012 ICC codes or modify selected new requirements of the 2012 ICC codes if not recommended for adoption in Utah.

#### **Summary of Residential Energy Amendments:**

The Architectural and Mechanical Advisory Committees have unanimously recommended updating the residential energy codes from the 2006 International Energy Conservation Code (IECC) and Chapter 11 of the 2006 International Residential Code (IRC) to the 2012 IECC and 2012 IRC.

Studies provided by the Building Codes Assistance Project (BCAP) and the U.S. Department of Energy reports the cost of implementing the full change from these 2006 to 2012 energy requirements would result in increased costs of \$1,926 to \$3,081 for an average 2400 square foot home. The BCAP report claims that these costs are repaid over time by energy costs savings on the home from \$351 to \$629 per year.

A similar study was completed in 2010 when the Uniform Building Code Commission recommended adoption of the 2009 IECC and the 2009 IRC Chapter 11 Energy Provisions.

Some persons in the construction industry do not agree with assumptions that were included in these studies. They believe the choice for the added expense should be for the homeowner.

The Utah Legislature chose not to adopt the Uniform Building Code Commission's recommendation in 2010 to move the from the 2006 to the 2009 IECC and Chapter 11 of the 2009 IRC.

Recognizing the Legislature's concern, the advisory committees recommended the adoption of the 2012 codes with several amendments deleting some of the more costly requirements from the energy codes recommended for adoption.

The committees did not complete a cost study on initial construction costs or energy savings after the more costly items were deleted from the 2012 codes requirements.

### **Summary of Individual Amendments:**

#### **Amendments to the specific editions of the State Construction Code**

##### **CHAPTER 2. ADOPTION OF STATE CONSTRUCTION CODE Part 1. General Provisions**

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

##### **15A-2-102. (1) through (9):**

No change to existing amendments.

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

The changes in this section are being recommended in order to change the adopted Codes (IBC, IRC, IPC, IMC, IFGC, IECC and Appendix E of the IRC) from the 2009 International Code Council (ICC Codes) to the 2012 ICC codes.

#### **15A-2-104. Installation standards for manufactured housing.**

The changes in this section are being recommended in order to change the installation

standards from the 2009 International Residential Code to the 2012 IRC.

**15A-2-105. (1), (2), and (3):**

No change to existing amendments.

**CHAPTER 3. STATEWIDE AMENDMENTS INCORPORATED AS PART OF STATE CONSTRUCTION CODE**

**Part 1. Statewide Amendments to IBC**

**15A-3-102. Amendment to Chapter 1 through 3 of IBC.**

**15A-3-102. (1) – Section 106:**

**15A-3-102. (2) – Section 110:**

**15A-3-102. (3) – Section 115.1:**

No change to existing amendments.

**15A-3-102. [prior (4)- Section 202 deleted]:**

This amendment (definition for Assisted Living Facility) is being recommended for deletion because it is being modified in Section 202 so it can be further clarified to meet the requirements of the Department of Health and the Department of Human Services.

**15A-3-102. (4) – Section 202:**

This is a new amendment (Ambulatory Surgical Center) that is being recommended in order to clarify the wording. This does not increase the requirements, it is mainly for clarification and coordination of requirements with federal laws or statutes and rules under the Utah Department of Health, State Fire Marshal's Office and the Utah Department of Human Services, which regulates this type of facility.

**15A-3-102. (5) – Section 202:**

This is an existing amendment (child care facilities) that is being recommended to be carried forward with modification of the wording. This does not increase the requirements, it is mainly for clarification and coordination of requirements with federal laws or statutes and rules under the Utah Department of Health, State Fire Marshal's Office and the Utah Department of Human Services, which regulates this type of facility.

**15A-3-102. (6) – Section 202:**

This is a new amendment ([F] record drawings) that is being recommended that changes the location of an existing amendment and is necessary to coordinate with the changes made in the 2012 code.

**15A-3-102. (7) – Section 202:**

This is a new amendment (residential treatment/support assisted living facility) that is being recommended in order to clarify the wording. This does not increase the requirements, it is mainly for clarification and coordination of requirements with federal laws or statutes and rules under the Utah Department of Health, State Fire Marshal's Office and the Utah Department of Human Services, which regulates this type of facility.

**15A-3-102. (8) – Section 202:**

This is a new amendment (Type I assisted living facility) that is being recommended in order to clarify the wording. This does not increase the requirements, it is mainly for clarification and coordination of requirements with federal laws or statutes and rules under the Utah Department of Health, State Fire Marshal's and the Utah Department of Human Services, which regulates this type of facility.

**15A-3-102. (9) – Section 202:**

This is a new amendment (Type II assisted living facility) that is being recommended in order to clarify the wording. This does not increase the requirements, it is mainly for clarification and coordination of requirements with federal laws or statutes and rules under the Utah Department of Health, State Fire Marshal's Office, and the Utah Department of Human Services, which regulates this type of facility.

**15A-3-102. (10) [prior (6)] – Section 304.1:**

This is an existing amendment (ambulatory care facilities) that is being recommended to be carried forward with modifications. This does not increase the requirements, but is mainly for clarification and coordination of requirements with federal laws or statutes and rules under the Utah Department of Health, State Fire Marshal's Office and the Utah Department of Human Services, which regulates this type of facility.

**15A-3-102. (11) [prior (7)] – Section 305.2:**

This is an existing amendment (day care) that is being recommended to be carried forward with technical changes needed to coordinate with the change of numbering in the 2012 code and modifications. This does not increase the requirements, but is mainly for clarification and coordination of requirements with federal laws or statutes and rules under the Utah Department of Health, State Fire Marshal's Office and the Utah Department of Human Services, which regulates this type of facility.

**15A-3-102. (12) – Section 305.2.2 and 305.2.3:**

This is a new amendment (educational Group E) that is being recommended to change the requirements for the number of children. This does not increase the requirements, but is mainly for clarification and coordination of requirements with the federal laws or statutes and rules under the Utah Department of Health, State Fire Marshal's Office and the Utah Department of Human Services, which regulates this type of facility.

**15A-3-102. (13) – Section 305.2.4:**

This is a new amendment (educational Group E) that is being recommended in order to add the requirements for a residential certificate or a family license. This does not increase the requirements, but is mainly for clarification and coordination of requirements with the federal laws or statutes and rules under the Utah Department of Health, State Fire Marshal's Office and the Utah Department of Human Services, which regulates this type of facility.

**15A-3-102. (14) – Section 305.2.5:**

This is a new amendment (educational Group E) that is being recommended in order to add the requirements for hourly child care centers. This does not increase the requirements, but is mainly for clarification and coordination of requirements with the federal laws or statutes and rules under the Utah Department of Health, State Fire Marshal's Office and the Utah Department of Human Services, which regulates this type

of facility.

**15A-3-15. (15) [prior (8)] – Section 308.2.1:**

This is an existing amendment (assisted living facilities) that is being recommended to be carried forward with modifications that further clarify the types of assisted living facilities and related occupancies. This does not increase the requirements, but is mainly for clarification and coordination of requirements with federal laws or statutes and rules under the Utah Department of Health, State Fire Marshal's Office and the Utah Department of Human Services, which regulates these types of facilities.

**15A-3-102. [prior(9) deleted] – Section 308.2:**

This amendment (assisted living facilities) is no longer needed as it is now adequately covered in the 2012 code and other amendments.

**15A-3-102. (16)[prior (10)] – Section 308.3:**

This is an existing amendment (institutional Group I 1) that is being recommended to be carried forward with modifications. This does not increase the requirements, but is mainly for clarification and coordination of requirements with federal laws or statutes and rules under the Utah Department of Health, State Fire Marshal's Office and the Utah Department of Human Services, which regulates these types of facilities.

**15A-3-102. (17)[prior (11)] – Section 308.3.1:**

This is an existing amendment (five or fewer persons receiving care) that is being recommended to be carried forward with modifications. This does not increase the requirements, but is mainly for clarification and coordination of requirements with federal laws or statutes and rules under the Utah Department of Health, State Fire Marshal's Office and the Utah Department of Human Services, which regulates these types of facilities.

**15A-3-102. (18) – Section 308.4:**

This is a new amendment (institutional group I 2) that is being recommended. This does not increase the requirements, but is mainly for clarification and coordination of requirements with federal laws or statutes and rules under the Utah Department of Health, State Fire Marshal's Office and the Utah Department of Human Services, which regulates these types of facilities.

**15A-3-102. (19) – Section 308.4.1:**

This is a new amendment (five or fewer persons receiving care) that is being recommended in order to coordinate the requirements under other laws and rules. This does not increase the requirements, but is mainly for clarification and coordination of requirements with federal laws or statutes and rules under the Utah Department of Health, State Fire Marshal's Office and the Utah Department of Human Services, which regulates these types of facilities.

**15A-3-102. [prior (12) – Section 308.5, (13) – Section 308.5.2, (14) – Section 310.1, (15) – Section 310.1, (16) – Section 310.1, (17) – Section 310.1 and (18) – Section 310.2 deleted]:**

These amendments are no longer needed as they are adequately addressed in the 2012 code and other amendments.

**15A-3-102. (20) – Section 308.6:**

This is a new amendment (institutional Group I-4, day care facilities) that is being recommended to make technical changes. This does not increase the requirements, it is mainly for clarification and coordination of requirements with federal laws or statutes and rules under the Utah Department of Health, State Fire Marshal's Office and the Utah Department of Human Services, which regulates these types of facilities.

**15A-3-102. (21) – Section 308.6.1:**

This is a new amendment (classification as Group E) that is being recommended to make technical changes. This does not increase the requirements, but is mainly for clarification and coordination of requirements with federal laws or statutes and rules under the Utah Department of Health, State Fire Marshal's Office and the Utah Department of Human Services, which regulates these types of facilities.

**15A-3-102. (22) – Section 308.6.3 and 308.6.4:**

This is a new amendment (five or fewer persons receiving care) that is being recommended to make technical changes. This does not increase the requirements, but is mainly for clarification and coordination of requirements with federal laws or statutes and rules under the Utah Department of Health, State Fire Marshal's Office and the Utah Department of Human Services, which regulates these types of facilities.

**15A-3-102. (23) – Section 310.5:**

This is a new amendment (Residential Group R) that is being recommended to make technical changes. This does not increase the requirements, but is mainly for clarification and coordination of requirements with federal laws or statutes and rules under the Utah Department of Health, State Fire Marshal's Office and the Utah Department of Human Services, which regulates these types of facilities.

**15A-3-102. (24) – Section 310.5.1:**

This is a new amendment (Residential Group R) that is being recommended to make technical changes. This does not increase the requirements, but is mainly for clarification and coordination of requirements with federal laws or statutes and rules under the Utah Department of Health, State Fire Marshal's Office and the Utah Department of Human Services, which regulates these types of facilities.

**15A-3-102. (25) – Section 310.5.2:**

This is a new amendment (Residential Group R) that is being recommended to make technical changes. This does not increase the requirements, but is mainly for clarification and coordination of requirements with federal laws or statutes and rules under the Utah Department of Health, State Fire Marshal's Office and the Utah Department of Human Services, which regulates these types of facilities.

**15A-3-102. (26) – Section 310.6:**

This is a new amendment (Residential Group R) that is being recommended for clarification. This does not increase the requirements, but is mainly for clarification and coordination of requirements with federal laws or statutes and rules under the Utah Department of Health, State Fire Marshal's Office and the Utah Department of Human Services, which regulates these types of facilities.

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

**15A-3-103 (1) – Section 403.5.5:**

No change to existing amendment.

**15A-3-103 (2) – Section [F] 406.5.8:**

This is a new amendment (standpipe system) that is being recommended in order to modify the requirements for fire sprinklers in open, closed and commercial parking garages to assist firefighters with extinguishing vehicle fires within the structures. This amendment will decrease requirement costs in limited situations.

**15A-3-103(3) – Section [F] 406.5.8.1:**

This is a new amendment (standpipe system) that is being recommended in order to modify the requirements for fire sprinklers in open, closed, and commercial parking garages. This amendment will decrease requirement costs in limited situations.

**15A-3-103 [prior (2) – Section 422.1 and (3) – Section 422 deleted]:**

These amendments (ambulatory care facilities) are no longer needed as they are adequately covered in the 2012 code and the new amendment for Section 422.2.

**15A-3-103 (4) – Section 422.2:**

This is a new amendment (separation) that is being recommended to coordinate with requirements under other laws and rules. This does not increase the requirements, but is mainly for clarification and coordination of requirements with federal laws or statutes and rules under the Utah Department of Health, Sate Fire Marshal's Office and the Utah Department of Human Services, which regulates these types of facilities.

**15A-3-103 [prior (4) Section 424 deleted]:**

This amendment (Group E Child Day Care Centers) is no longer needed as it has been adequately covered in the 2012 code and the new amendment for Section 425.

**15A-3-103 (5) – Section 425:**

This is a new amendment (Day Care Utah Administrative Code R710-8-2) that is being recommended to coordinate with requirements under other laws and rules. This does not increase the requirements, but is mainly for clarification and coordination of requirements with federal laws or statutes and rules under the Utah Department of Health, Sate Fire Marshal's Office and the Utah Department of Human Services, which regulates these types of facilities.

**15A-3-103 (6)[prior (5)] – Section 504.2:**

No change to existing amendment.

**15A-3-103 [prior (6) – Table 508.4 deleted]:**

This amendment (required separation of occupancies [hours]) is no longer needed as it has been adequately addressed in the 2012 code.

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

**15A-3-104 [prior (1) – Section 707.5.1 deleted]:**

This amendment (supporting construction) is no longer needed as it has been adequately addressed in the 2012 code.

**15A-3-104 (1) – Section [F] 901.8:**

This is a new amendment (pump and riser room size) that is being recommended to give clarification for the requirement for clearances and unobstructed distances. This is part of the coordination of requirements with the State Fire Marshal's Office.

**15A-3-104 [prior 2 – Section (F)902 deleted]:**

This amendment (record drawings) is no longer needed as the definition has been moved to Chapter 2 in the 2012 codes.

**15A-3-104 (2)[prior (3)] – Section (F)903.2.2:**

This is an existing amendment (ambulatory care facility) that is being recommended to be carried forward with modifications for clarification of requirements.

**15A-3-104 (3)[prior (4)] – Section (F) 903.2.4**

**15A-3-104 (4)[prior (5)] – Section (F)903.2.7:**

No change to existing amendments.

**15A-3-104 (5)[prior (6)] – Section (F)903.2.8:**

This is an existing amendment (Group R) that is being recommended to be carried forward with modification to clarify which sections are being deleted and replaced.

**15A-3-104 (6)[prior (7)] - Section 903.2.9:**

No change to existing amendment.

**15A-3-104 [prior (8) – Section (F)903.2.10 and 15A-3-104 (9) – Section (F)903.2.10.1 deleted]:**

These amendments (automatic sprinkler systems) are no longer needed as they are adequately covered in the 2012 code.

**15A-3-104 (7)[prior (10)] – Section (F)904.11**

**15A-3-104 (8) [prior (11)] – Section (F) 904.11.3:**

No change to existing amendments.

**15A-3-104 [prior (12) – Section (F)907.9 deleted]:**

This amendment (carbon monoxide alarms) is no longer needed as it is adequately covered in the 2012 code and with clarification in new amendments in Section 908.7.

**15A-3-104 (9) – Section [F] 908.7:**

This is a new amendment (carbon monoxide alarm) that is being recommended to simplify the requirement. This is part of the coordination of requirements with the State Fire Marshal's Office.

**15A-3-104 (10) – Section [F]908.7:**

This is a new amendment (carbon monoxide alarms) that is being recommended to further clarify the installation requirements. This is part of the coordination of requirements with the State Fire Marshal's Office.

**15A-3-104 (11) – Section [F] 908.7.1:**

This is a new amendment (carbon monoxide alarms) that is being recommended to coordinate the renumbering. This is part of the coordination of requirements with the State Fire Marshal's Office.

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

**15A-3-105(1) – Section 1008.1.9.6:**

This is an existing amendment (special locking arrangements) that is being recommended to be carried forward with modifications as the deleted sections are adequately covered in the 2012 code and the added sections are to correlate with the requirements of the State Fire Marshal's office.

**15A-3-105(2) – Section 1008.1.9.7:**

This is a new amendment (delayed egress locks) that is being recommended for approval in order to coordinate with the requirements of the State Fire Marshal's Office.

**15A-3-105(3)[prior (2)] – Section 1009.7.2:**

This is an existing amendment (riser height and tread depth) that is being recommended to be carried forward as modified with renumbering to coordinate with the change of numbering in the 2012 code.

**15A-3-105(4)[prior (3)] – Section 1009.15:**

This is an existing amendment (handrails) that is being recommended to be carried forward as modified with renumbering to coordinate with the change in numbering in the 2012 code.

**15A-3-105(5) – Section 1011.5:**

This is a new amendment (internally illuminated exit signs) that is being recommended for further clarification.

**15A-3-105[prior (4) – Section 1013.2 , (5) – Section 1013.2, and (6) – Section 1015.2.2 deleted]:**

These amendments are no longer needed as it is adequately covered in the 2012 code.

**15A-3-105(6)[prior (7)] – Section 1024:**

No change to existing amendment.

**15A-3-105(7) – Section 1028.12:**

This is a new amendment (seat stability) that is being recommended for safety reasons.

**15A-3-105[prior (8) – Section 1109.7.1 deleted]:**

This amendment (platform (wheelchair) lifts) is no longer needed as it is adequately covered in the 2012 code.

**15A-3-105(8) – Section 1109.8:**

This is a new amendment (lifts) that is being recommended for further clarification.

**15A-3-105(9) – Section 1208.4:**

No change to existing amendment.

**15A-3-106. Amendments to Chapters 13 through 15 of IBC.**

There are no amendments being recommended.

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

**15A-3-107(1) – Table 1604.5:**

This is an existing amendment (risk category) that is being recommended to be carried with modification to correlate with the wording in the 2012 code.

**15A-3-107(2) – Section 1605.2:**

This is an existing amendment (load combinations using strength design or load and resistance factor design) that is being recommended to be carried forward with modifications to correlate with the wording in the 2012 code.

**15A-3-107(3) – Section 1605.3.1 and 1605.3.2:**

**15A-3-107(4) – Section 1608.1:**

**15A-3-107(5) – Section 1608.1.1:**

No change to existing amendments.

**15A-3-107(6) – Section 1608.1.2:**

This is an existing amendment (Utah snow loads) that is being recommended to be carried forward with modifications for clarification of the requirements for certain jurisdictions.

**15A-3-107(7) – Table 1608.1.2(a) and Table 1601.2(b):**

This is an existing amendment (Utah snow loads) that is being recommended to be carried forward with modifications for clarification of the requirements for certain jurisdictions.

**15A-3-107(8) – Section 1608.1.3:**

**15A-3-107(9) – Section 1608.2:**

No change to existing amendments.

**15A-3-107 [prior (10) – Section 1609.1.1 deleted]:**

This amendment (determination of wind loads) is no longer needed as it is adequately addressed in the 2012 codes.

**15A-3-107(10)[prior (11)] – Section 1613.1.1:**

No change to existing amendment.

**15A-3-107(11)[prior (12)] – Section 1613.5:**

These are existing amendments that are being recommended to be carried forward with renumbering to coordinate with changes in the 2012 code.

**15A-3-180. Amendments to Chapters 17 through 19 of IBC.**

**15A-3-108(1) – Section 1807.1.6.4:**

**15A-3-108(2) – Table 1807.1.6.4:**

No change to existing amendments.

**15A-3-108(3) – Section 1904.2:**

This is an existing amendment that is being recommended to be carried forward with renumbering to coordinate with changes in numbering in the 2012 codes.

**15A-3-108 [prior 4 – Section 1904.4.1 deleted]:**

This amendment (air entrainment) is no longer needed as it is adequately addressed in the 2012 code.

**15A-3-108(4) – Section 1905.1.11:**

This is a new amendment (ACI 318 Table 4.2.1) that is being recommended in order to clarify concrete exposure categories.

**15A-3-109. Amendments to Chapters 20 through 22 of IBC.**

There are no amendments being recommended.

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

**15A-3-110(1) – Section 2306.1.5:**

**15A-3-110(2) – Section 2308.6:**

**15A-3-110(3) – Section 2506.2.1:**

No change to existing amendments.

**15A-3-111. Amendments to Chapters 26 through 28 of IBC.**

No changes being recommended.

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

**15A-3-112(1) – Table 2902.1:**

This is an existing amendment that is being recommended to be carried forward with modification. The additional requirements are necessary but do not increase the requirements as this is mainly for clarification and coordination of requirements with statutes and rules under the Utah Department of Health and the Utah Department of Human Services, which regulates these types of facilities.

**15A-3-112(2) – Section 3006.5:**

No change to existing amendments.

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

**15A-3-113(1) – Section 3401.7 [prior Section 3401.6]:**

This is an existing amendment that is being recommended to be carried forward with some technical corrections, modification and renumbering to coordinate with changes in numbering in the 2012 codes and rewords the requirement for evaluation of deficient features but allows delay of implementation with recording of the deficiencies.

**15A-3-113(2) – Section 3408.4:**

This is an existing amendment that is being recommended to be carried forward with some technical corrections and modification for clarification.

**15A-3-113 [prior (3) – Section 3411.1 deleted]:**

This amendment (scope) is no longer needed as it is adequately addressed in the 2012

code.

**15A-3-113 [prior (4) – Chapter 34 ACI 318-08 deleted]:**

This amendment (reference standard) is no longer needed as it has been relocated in the 2012 code and is addressed in another amendment.

**15A-3-113(3)[prior (5)] – Chapter 35 ICC/ANSI 117.1-03:**

No change to existing amendment.

**15A-3-113 [prior (6) – Chapter 35 NFPA 720-09 deleted]:**

This amendment (reference standard) is no longer needed as it is adequately addressed in the 2012 code.

**15A-3-113(4)[prior (7)] – Chapter 35 UL 2034-2008:**

No change to existing amendment.

**15A-3-113 [prior (8) Chapter 35 NFPA 10-10; (9) Chapter 35 NFPA 11-10; (10) Chapter 35 NFPA 12-08; (11) Chapter 35 NFPA 12A-09; (12) Chapter 35 NFPA 13-10; (13) Chapter 35 NFPA 13D-10; (14) Chapter 35 NFPA 13R-10; (15) Chapter 35 NFPA 14-10; (16) Chapter 35 NFPA 17-09; (17) Chapter 35 NFPA 17A-09; (18) Chapter 35 NFPA 20-10; (19) Chapter 35 NFPA 72-10; (20) Chapter 35 NFPA 92B-09; (21) Chapter 35 NFPA 101-09 and (22) Chapter 35 NFPA 110-10 deleted]**

These amendments (referenced standards) are no longer needed as they are now adequately addressed in the 2012 code.

## **Part 2. Statewide Amendments to IRC**

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

**15A-3-202(1) – Section R102:**

**15A-3-202(2) – Section R109:**

**15A-3-202(3) – Section R114.1:**

**15A-3-202(4) – Section R202:**

No change to existing amendments.

**15A-3-202(5) – Section R202:**

This is a new amendment (conditioned space) that is being recommended for approval for clarification of the definition and to also correlate it with the IMC and IECC.

**15A-3-202(6)[prior (5)] – Section R202:**

No change to existing amendment.

**15A-3-202(7) – Section R202:**

This is a new amendment (gray water) that is being recommended for approval. It is necessary to coordinate the requirements with the Department of Health and the Department of Environmental Quality and replaces part of the requirements that are deleted and modified in other amendments.

**15A-3-202(8)[prior (6)] – Section R202:**

No change to existing amendment.

**15A-3-202(9)[prior (7)] – Table R301.2(5):**

This is an existing amendment (snow load) that is being recommended to be carried forward with modifications for clarification of the requirements for certain jurisdictions.

**15A-3-202(10)[prior (8)] – Section R301.6:**

This is an existing amendment (snow load) that is being recommended to be carried forward with modifications for clarification of the requirements for certain jurisdictions.

**15A-3-202(11)[prior (9)] – Section R302.2:**

**15A-3-202(12)[prior (10)] – Section R302.2.4:**

No change to existing amendment.

**15A-3-202(13) – Section R302.5.1:**

This is a new amendment (opening protection) that is being recommended for approval. It has been recommended to lessen the requirements for doors between the garage and the residence.

**15A-3-202(14) – Section R30303.4:**

This is a new amendment (mechanical ventilation) that is being recommended for approval. It has been recommended to lessen the requirements for air infiltration.

**15A-3-202(15)[prior (11)] – Section R311.7.4 through R311.7.4.3:**

No change to existing amendments.

**15A-3-202(16)[prior(12)] – Section R312.2:**

This is an existing amendment (height) that is being recommended to be carried forward with a modification changing the number to correlate with the number changes in the 2012 IRC.

**15A-3-202(17) – Section R312.2:**

This is a new amendment (window fall protection) that is being recommended for approval to delete the section.

**15A-3-202(18)[prior (13)] – Section R313:**

This is an existing amendment (automatic fire sprinkler systems) that is being recommended to be carried forward with a modification. Automatic fire sprinklers are not required to be installed, however, if they are installed, this gives the requirements that need to be met.

**15A-3-202 [prior (14) – Section R315.1 and (15) – Section R315.3 deleted]**

These are existing amendments that are being recommended to be deleted as they are now adequately covered in the 2012 IRC.

**15A-3-202-(19) – Section R315.5:**

This is a new amendment (power source) that is being recommended for approval in order to clarify the requirements for carbon monoxide alarms.

**15A-3-202(20) – Section R315.6:**

This is a new amendment (interconnection) that is being recommended for approval in order to clarify the requirements for carbon monoxide alarms.

**15A-3-202(21)[prior (16)] – Section R403.1.6:**

**15A-3-202(22)[prior (17)] – Section R403.1.6.1:**

**15A-3-202(23)[prior (18)] – Section R404.1:**

No change to existing amendments.

**15A-3-202(24) – Section R501.3**

This is a new amendment (fire protection of floors) that is being recommended for approval to delete the section. This section is not necessary since the requirement for automatic fire sprinklers has been deleted.

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

**15A-3-203[prior (1) Section R612.2 deleted]:**

This amendment is no longer needed as the sections are no longer in the 2012 code.

**15A-3-203(1)[prior (2)] – Section N1101.8 (R103.2):**

See the summary of Residential Energy Amendments.

**15A-3-203(2) – Section N1101.14 (R303.3):**

**15A-3-203(3) – Table N1102.1.1 (R402.1.1):**

**15A-3-203(4) – Section N1102.2.1 (R402.2.1):**

**15A-3-203(5) – Section N1102.2.2 (R402.2.2):**

**15A-3-203(6) – Section N1102.3.3 (R402.3.3):**

**15A-3-203(7) – Section N1102.3.4 (R402.3.4):**

**15A-3-203(8) – Section N1102.4.1 (R402.4.1):**

**15A-3-203(9) – Section N1102.4.1.1 (R402.4.1.1):**

**15A-3-203(10) – Section N1102.4.1.2 (R402.4.1.2):**

**15A-3-203(11) – Section N1102.4.4 (R402.4.4):**

**15A-3-203(12) – Section N1103.2.2 (R403.2.2):**

**15A-3-203(13) – Section N1103.2.3 (R403.2.3):**

**15A-3-203(14) – Section N1103.4.2 (R403.4.2):**

**15A-3-203(15) – Section N1103.5 (R403.5):**

**15A-3-203(16) – Section N1104.1 (R404.1):**

**15A-3-203(17) – Table N1105.5.2(1) (R405.5.2(1)):**

**15A-3-203(18) – Table N1105.5.2(2) (R405.5.2(2)):**

These are all new amendments that are being recommended for approval in order to adopt the 2012 energy code with modifications recommended to alleviate the costs required for certain items.

**15A-3-203(19) – Section M1307.2:**

This is a new amendment (anchorage of appliances) that is being recommended for approval for safety reasons that will require all water heaters to be strapped.

**15A-3-203(20)[prior (3)] – Section M1411.6:**

No change to existing amendment.

**15A-3-203[prior (4) – Section M1502.4.4.1 deleted]:**

This is an existing amendment that is being recommended to be deleted as it is now addressed adequately in the 2012 code.

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

**15A-3-204(1) – Table M1601.1.1(2):**

This is a new amendment (gages of metal ducts and plenums used for heating or cooling) that is being recommended for approval that will add an additional gage of sheet metal. This amendment will reduce costs in some cases.

**15A-3-204(2) – Section M1901.3:**

This is a new amendment (prohibited location) that is being recommended for approval that will allow certain dual listed cooking appliances to be used in a residential home.

**15A-3-204(3) – Section G2401.2:**

No change to existing amendment.

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

**15A-3-205(1) – Section P2602.3:**

No change to existing amendment.

**15A-3-205(2) – Section P2602.4:**

This is an existing amendment (sewer required) that is being recommended to be carried forward with a modification for clarification.

**15A-3-205(3) – Section P2801.7:**

This is an existing amendment (water heater seismic bracing) that is being recommended to be carried forward with a modification for clarification.

**15A-3-205(4) – Section P2902.1.1:**

No change to existing amendment.

**15A-3-205(5) – Table P2902.3:**

This is an existing amendment (application of backflow preventers) that is being recommended to be carried forward with modifications necessary to correlate with the requirements of the Department of Environmental Quality. It has been modified to simplify and clarify the proper identification and installation options.

**15A-3-205 [prior (6) – Table 2902.3a deleted]:**

This amendment (Table P2602.3a) is no longer needed as it has been incorporated into the modified amendment for Table P2902.3.

**15A-3-205 (6) – Section P3009.1:**

**15A-3-205 (7) – Section P3009.1.1:**

**15A-3-205 (8) – Section P3009.2:**

**15A-3-205 (9) – Section P3009.6:**

**15A-3-205 (10) – Section P3009.7:**

**15A-3-205(11) – Section P3009.13.3:**

**15A-3-205(12) – Section P3009.14:**

These are all new amendments (gray water) that are being recommended for approval. They will correlate the requirements of Utah Department of Health and the Utah Department of Environmental Quality and will allow for the use of gray water recycling systems in residential areas and replace deletions of other amendments being recommended.

**15A-3-205(13)[prior (7)] – Section P3103.6:**

**15A-3-205(14)[prior (8)] – Section P3104.4**

No change to existing amendments.

**15A-3-206. Amendments to Chapters 36 through 44 of IRC.**

**15A-3-206 (1) – Section E3902.12:**

This is an existing amendment that is being recommended to be carried forward with modifications for clarification of the requirements and renumbering to coordinate with the numbering in the 2012 code.

**15A-3-206(2) – Chapter 44 USC-FCCCHR:**

This is an existing amendment (reference standard) that is being recommended to be carried forward with a modification for a change to the current edition.

**15A-3-206[prior (3) reference standard NFPA 720-09 deleted]:**

This is an existing amendment (reference standard) that is being recommended to be deleted as it is now addressed adequately in the 2012 code.

**15A-3-206 [prior (4) Appendix O deleted]:**

This is an existing amendment (gray water recycling systems) that is being recommended to be deleted as it is now addressed adequately in the 2012 code and is being replaced with other amendments to correlate with the requirements of the Utah Department of Health and the Utah Department of Environmental Quality.

### **Part 3. Statewide Amendments to IPC**

**15A-3-302(1) – Section 101.2:**

**15A-3-302(2) – Section 202:**

**15A-3-302(3) – Section 202:**

No change to existing amendments.

**15A-3-302(4) – Section 202:**

This is a new amendment (contamination (high hazard)) that is being recommended for approval. This is being added for clarification.

**15A-3-302(5)[prior 4] – Section 202:**

No change to existing amendment.

**15A-3-302(6) – Section 202:**

This is a new amendment (deep seal trap) that is being recommended for approval. This will allow for a different type of trap.

**15A-3-302(7) – Section 202:**

This is a new amendment (gray water) that is being recommended for approval. It is necessary to clarify and correlate the requirements of the Utah Department of Health and the Utah Department of Environmental Quality and replaces the requirements deleted in other amendments.

**15A-3-302(8) – Section 202:**

This is a new amendment (high hazard) that is being recommended for approval. It is for clarification.

**15A-3-302(9) – Section 202:**

This is a new amendment (low hazard) that is being recommended for approval. It is for clarification.

**15A-3-302(10) – Section 202:**

This is a new amendment (pollution (low hazard)) that is being recommended for approval. It is for clarification.

**15A-3-302(11)[prior (5)] – Section 202:**

No change to existing amendment.

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

**15A-3-303(1) – Section 303.4:**

This is an existing amendment (backflow prevention devices) that is being recommended to be carried forward with technical corrections that are needed in order to correlate with the requirements of the Utah Department of Environmental Quality, Division of Drinking Water.

**15A-3-303(2) – Section 304.3:**

**15A-3-303(3) – Section 311.1:**

No change to existing amendments.

**15A-3-303(4) – Section 312.3:**

This is a new amendment (drainage and air vent testing) that is being recommended to allow for an additional type of testing.

**15A-3-303(5) – Section 312.5:**

This is a new amendment (water supply system test) that is being recommended to allow for an additional type of testing.

**15A-3-303(6)[prior (4)] – Section 312.10.3:**

This is an existing amendment (tester qualifications) that is being recommended to be carried forward with technical changes. This amendment correlates with the requirements of the Utah Department of Environmental Quality.

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

**15A-3-304(1) – Table 403.1:**

This is an existing amendment that is being recommended to be carried forward with modification. The additional requirements are necessary but do not increase the

requirements as this is mainly for clarification and coordination of requirements with statutes and rules under the Utah Department of Health and the Utah Department of Human Services, which regulates these types of facilities.

**15A-3-304(2) – Section 406.3:**

This is an existing amendment (automatic clothes washer safe pans) that is being recommended to be carried forward with technical corrections to correspond with the numbering in the 2012 code.

**15A-3-304(3) – Section 412.5:**

No change to existing amendment.

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

**15A-3-305(1) – Section 502.4:**

This is a new amendment (anchorage of appliances) that is being recommended for approval for safety reasons and that will require all water heaters to be strapped.

**15A-3-305(2)[prior (1)] – Section 504.7.2:**

This is an existing amendment (pan drain) that is being recommended to be carried forward with modification for clarification of the types of traps that can be used.

**15A-3-305(3)[prior (2)] – Section 504.7.3:**

No change to existing amendment.

**15A-3-305. Amendments to Chapter 6 of IPC.**

**15A-3-306(1) – Section 602.3:**

**15A-3-306(2) – Section 602.3.1, 602.3.2, 602.3.3, 602.3.4, 602.3.5 and 602.3.5.1:**

**15A-3-306(3) – Section 604.4.1:**

**15A-3-306(4) – Section 606.5:**

No change to existing amendments.

**15A-3-306(5) – Section 606.5.11:**

This is an existing amendment (prohibited installation) that is being recommended to be carried forward with technical changes to correlate with the requirements of the Utah Department of Health and the Utah Department of Environmental Quality.

**15A-3-306(6) – Section 608.1:**

This is a new amendment (general) that is being recommended for approval. It is being recommended for clarification.

**15A-3-306(7)[prior (6)] – Table 608.1:**

This is an existing amendment (application of backflow preventers) that is being recommended to be carried forward with modifications necessary to correlate with the requirements of the Utah Department of Environmental Quality. It has been modified to simplify and clarify the proper identification and installation options.

**15A-3-306 [prior (7) Table 608.1.1 deleted]:**

Part of this amendment (Table 608.1.1) is no longer needed as it has been incorporated into the modified amendment for Table 608.1. The remaining requirements have been

clarified and simplified in the modified table.

**15A-3-306(8) – Section 608.3:**

This is a new amendment (devices, appurtenances, appliances, and apparatus) that is being recommended for approval. It is for clarification.

**15A-3-306(9) – Section 608.5:**

This is a new amendment (chemicals and other substances) that is being recommended for approval. It is for clarification.

**15A-3-306(10)[prior (8)] – Section 608.6:**

This is an existing amendment (cross-connection control) that is being recommended to be carried forward with modification for clarification. This amendment is in place to correlate with the requirements of the Utah Department of Environmental Quality.

**15A-3-306(11)[prior (9)] – Section 608.7:**

This is an existing amendment (valves and outlets prohibited below grade) that is being recommended to be carried forward with modification for clarification that will now allow for underground stop-and-waste valves. This amendment is in place to correlate with the requirements of the Utah Department of Environmental Quality.

**15A-3-306(12)[prior (10)] – Section 608.11:**

**15A-3-306(13)[prior (11)] – Section 608.13.3:**

**15A-3-306(14)[prior (12)] – Section 608.13.4:**

No change to existing amendments.

**15A-3-306(15)[prior (13)] – Section 608.13.9:**

This is an existing amendment (chemical dispenser backflow devices) that is being recommended to be carried forward with modification for clarification.

**15A-3-306(16)[prior (14)] – Section 608.15.3:**

No change to existing amendment.

**15A-3-306(17)[prior (15)] – Section 608.15.4:**

This is an existing amendment (protection by a vacuum breaker) is being recommended to be carries forward with modification for clarification.

**15A-3-306 (18)[prior (16)] – Section 608.15.4.2:**

No change to existing amendments.

**15A-3-306(19)[prior (17)] – Section 608.16.2:**

This is an existing amendment (connection to boilers) that is being recommended to be carried forward with modifications for clarification. It has been in place to correlate with the requirements of the Utah Department of Environmental Quality.

**15A-3-306(20)[prior (18)] – Section 608.16.3:**

No change to existing amendment.

**15A-3-306(21)[prior (19)]– Section 608.16.4.1:**

**15A-3-306(22)[prior (20)] – Section 608.16.7:**

This is an existing amendment (chemical dispensers) that is being recommended to be carried forward with a modification for clarification.

**15A-3-306(23)[prior (21)] – Section 608.16.8:**

**15A-3-306(24)[prior (22)] – Section 608.16.11:**

No change to existing amendments.

**15A-3-306(25)[prior (23)] – Section 608.17:**

This is an existing amendment (protection of individual water supplies) that is being recommended to be carried forward with modification for clarification.

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

**15A-3-307 (1) – Section 701.2:**

This is an existing amendment (sewer required) that is being recommended to be carried forward with modification for clarification to correlate with the requirements of the Utah Department of Environmental Quality.

**15A-3-307 (2) – Section 712.3.3.1:**

This is a new amendment (materials) that is being recommended in order to add three additional types of materials that can be used for discharge pipes and fittings.

**15A-3-308. Amendments to Chapter 8 of IPC.**

There are no changes recommended.

**15A-3-309. Amendments to Chapter 9 of IPC.**

**15A-3-309 [prior (1) – Section 901.3 deleted]:**

This amendment (chemical waste vent system) is no longer needed as it is now adequately covered in the 2012 code.

**15A-3-309 (1)[prior (2)] – Section 903.1:**

This is an existing amendment (roof extension) that is being recommended to be carried forward with renumbering to correspond with the numbering in the 2012 code.

**15A-3-309 (2)[prior (3)] – Section 903.6:**

This is an existing amendment (extension through the wall) that is being recommended to be carried forward with renumbering to correspond with the numbering in the 2012 code.

**15A-3-309 (3)[prior (4)] – Section 905.4:**

This is an existing amendment (vertical rise of vent) that is being recommended to be carried forward with modification for clarification.

**15A-3-309 [prior (5) deleted]:**

This existing amendment (prohibited installations) is no longer needed as it is now adequately covered in the 2012 code.

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

**15A-3-310 – Section 1002.4:**

This is an existing amendment (trap seals) that is being recommended to be carried forward with a modification for clarification.

**15A-3-311. Amendments to Chapter 11 of IPC.**

**15A-3-311(1) – Section 1104.2:**

**15A-3-211(2) – Section 1108:**

No change to existing amendments.

**15A-3-312. Amendments to Chapter 12 of IPC.**

No changes recommended.

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

**15A-3-313(1) – Section 1301.1:**

**15A-3-313(2) – Section 1301.1.1:**

**15A-3-313(3) – Section 1301.2:**

**15A-3-313(4) – Section 1301.6:**

**15A-3-313(5) – Section 1301.7:**

**15A-3-313(6) – Section 1302.3:**

**15A-3-313(7) – Section 1303:**

These are new amendments (gray water) that are being recommended for approval. They will correlate the requirements of Utah Department of Health and the Utah Department of Environmental Quality and will allow for the use of gray water recycling systems in commercial and residential areas and replaces other amendments that are being deleted.

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

**15A-3-314 (1) Chapter 14 ASSE 1072-2007:**

No changes to existing amendment.

**15A-3-314(2) – Chapter 14 USC-FCCCHR:**

This is an existing amendment (reference standard) that is being recommended to be carried forward with modification to update the edition.

**15A-3-314 [prior (3) deleted]:**

This is an existing amendment (gray water) that is being deleted as it is now a part of the plumbing code and is also being replaced by other amendments in the plumbing code.

**Part 4. Statewide Amendments to IMC**

**15A-3-401(1) – Section 202:**

This is a new amendment (conditioned space) that is being recommended for approval to clarify the definition and also to correlate it with the 2012 IRC and IECC.

**15A-3-401(2)[prior (1)] – Section 403:**

No change to existing amendment.

**15A-3-401(3) – Table 603.4:**

This is a new amendment (duct construction minimum sheet metal thicknesses for

single dwelling units) that is being recommended for approval to add an additional gage size for residential use. This will allow reduced costs in some installations.

**15A-3-401(4) – Section 1004.2:**

This is a new amendment (installation) that is being recommended for approval. This is for clarification that the Utah Labor Commission is the agency that regulates boilers except for residential and apartment houses of less than five units.

**15A-3-401(5) – Section 1004.3.1:**

This is a new amendment (top clearance) that is being recommended for approval for clarification.

**15A-3-401(6)[prior (2)] – Section 1101.10:**

No change to existing amendment.

**Part 5. Statewide Amendments to IFGC**

**15A-3-501(1) – Section 404.9:**

This is an existing amendment (meter protection) that is being recommended to be carried forward with renumbering to correlate with the numbering in the 2012 code.

**15A-3-501(2) – Section 409.5.3:**

This is a new amendment (located at manifold) that is being recommended for approval for safety reasons.

**15A-3-501(3) – Section 631.2:**

This is a new amendment (installation) that is being recommended for approval. This is for clarification that the Utah Labor Commission is the agency that regulates boilers except for residential and apartment houses of less than five units.

**Part 6. Statewide Amendments to NEC**

**15A-3-601 (1)**

**15A-3-601 (2) – Section 310.15(B)(7):**

No change to existing amendments.

**Part 7. Statewide Amendments to IECC**

**15A-3-701 (1) – Section C202:**

This is a new amendment (conditioned space) that is being recommended for approval to clarify the definition and to also correlate it with definition in the 2012 IMC and IRC.

**15A-3-701(2) – Section C404.4:**

This is an existing amendment (heat traps) that is being recommended to be carried forward with a modification to the section number in order to coordinate with the changes in the 2012 code.

**15A-3-701(3) – Section R103.2:**

This is a new amendment (construction documents) that is being recommended for approval to clarify the type of documents required.

See Summary of Residential Energy Amendments:

- 15A-3-701(4) – Section R202:**
- 15A-3-701(5) – Section R303.3:**
- 15A-3-701(6) – Table R402.1.1 and Table R402.1.3:**
- 15A-3-701(7) – Section R402.2.1:**
- 15A-3-701(8) – Section R402.2.2:**
- 15A-3-701(9) – Section R402.3.3:**
- 15A-3-701(10) – Section R402.3.4:**
- 15A-3-701(11) – Section R402.4.1:**
- 15A-3-701(12) – Section R402.4.1.1:**
- 15A-3-701(13) – Section R402.4.1.2:**
- 15A-3-701(14) – Section R402.4.4:**
- 15A-3-701(15) – Section R403.2.2:**
- 15A-3-203(16) – Section R403.2.3:**
- 15A-3-203(17) – Section R403..4.2:**
- 15A-3-203(18) – Section R403.5:**
- 15A-3-203(19) – Section R404.1:**
- 15A-3-203(20) – Table R405.5.2(1):**
- 15A-3-203(21) – Table R405.5.2(2):**

These are new amendments that are being recommended for approval in order to adopt the 2012 energy code with modifications. These modifications reduce the cost to implement the new energy code requirements.

**15A-3-801 (1) through (6):**  
No change to existing amendments.

## **CHAPTER 4. LOCAL AMENDMENTS INCORPORATED AS PART OF STATE CONSTRUCTION CODE**

### **Part 1. Local Amendments to IBC**

- 15A-4-102. Amendments to IBC applicable to Brian Head Town.**
- 15A-4-103(1), (2) and (3). Amendments to IBC applicable to City of Farmington.**
- 15A-4-104. Amendments to IBC applicable to City of North Salt Lake.**
- 15A-4-105(1) and (2). Amendments to IBC applicable to Park City Corporation or Park City Fire District.**
- 15A-4-106. Amendments to IBC applicable to Salt Lake City.**  
No change to existing amendments.

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

**15A-4-107 (1) - Section (F)903.2.13:**

This is an existing amendment that is being recommended to be carried forward with a modification to update to the 2012 code.

**15A-4-107 (2)**

No change to existing amendments.

**Part 2. Local Amendments to IRC**

**15A-4-202. Amendments to IRC applicable to Brian Head Town.**

**15A-4-203(1), (2), and (3). Amendments to IRC applicable to City of Farmington.**

**15A-4-204(1) and (2). Amendments to IRC applicable to Morgan City Corporation or Morgan County.**

**15A-4-205. Amendments to IRC applicable to City of North Salt Lake.**

**15A-4-206(1) and (2). Amendments to IRC applicable to Park City Corporation or Park City Fire District.**

**15A-4-207. Amendments to IRC applicable to Sandy City.**

No change to existing amendments.

**Part 3. Local Amendments to IPC**

**15A-4-302. Amendments to IPC applicable to Salt Lake City.**

This is an existing amendment that is being recommended to be deleted as gray water is now a part of the IPC and is included in other amendments which will be applicable statewide.

**15A-4-302(1) – Section 802.1.8**

**15A-4-302(2) – Section 802.1.8.1**

**15A-4-302(1) – Section 802.1.8.2**

**15A-4-302(1) – Section 802.1.9**

**15A-4-302(1) – Section 1003.3.4**

**15A-4-302(1) – Section 1003.3.4.2**

These are all new amendments that are being recommended for approval in order to adopt requirements that will detail specific installation requirements and also clarify requirements necessary to maintain sanitary conditions in plumbing fixtures.

**15A-4-303(1) and (2). Amendments to IPC applicable to South Jordan.**

No change to existing amendment.

**15A-4-304. Amendments to IPC applicable to Grand County.**

**15A-4-305. Amendments to IPC applicable to City of Moab.**

**15A-4-306. Amendments to IPC applicable to Murray City.**

**15A-4-307. Amendments to IPC applicable to Salt Lake County.**

These are existing amendments that are being recommended to be deleted as gray water is now a part of the IPC and is included in other amendments which will be applicable statewide.

**Part 4. Local Amendment to IMC**

**15A-4-401. General provision.**

No local amendments to the IMC are adopted.

### **Part 5. Local Amendment to IFGC**

**15A-4-501. General provision.**

No local amendments to the IFGC are adopted.

### **Part 6. Local Amendment to NEC**

**15A-4-601. General provision.**

No local amendments to the NEC are adopted.

### **Part 7. Local Amendment to IECC**

**15A-4-701. General provision.**

No local amendments to the IECC are adopted.