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1	STATE CONSTRUCTION CODE ADOPTION
2	2010 GENERAL SESSION
3	STATE OF UTAH
4	Chief Sponsor: Michael T. Morley
5	Senate Sponsor: J. Stuart Adams
6	
7	LONG TITLE
8	General Description:
9	This bill adopts the State Construction Code in accordance with the Utah Uniform
10	Building Standards Act.
11	Highlighted Provisions:
12	This bill:
13	includes general provisions; and
14	 adopts the State Construction Code.
15	Monies Appropriated in this Bill:
16	None
17	Other Special Clauses:
18	This bill takes effect on July 1, 2010.
19	Utah Code Sections Affected:
20	ENACTS UNCODIFIED MATERIAL
21	
22	Be it enacted by the Legislature of the state of Utah:
23	Section 1. Title Definitions General provisions.
24	(1) This bill is known as the "State Construction Code Adoption Act."
25	(2) As used in this bill:
26	(a) "Division" means the Division of Occupational and Professional Licensing created
27	in Utah Code, Section 58-1-103.
28	(b) "State Construction Code" means the code adopted under Section 2 of this bill.
29	(c) "Utah Code" means the Utah Code Annotated (1953), as amended.

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30	(3) As part of the division's compliance with Utah Code, Section 58-56-6, the division
31	may modify the format of the State Construction Code to provide accessibility to users of the
32	State Construction Code.
33	Section 2. State Construction Code adopted.
34	In accordance with Utah Code, Title 58, Chapter 56, Utah Uniform Building Standards
35	Act, the Legislature, repeals the state construction code in effect on June 30, 2010, and adopts
36	the following as the State Construction Code effective July 1, 2010:
37	State Construction Code
38	Part 1. General Provisions
39	Section 101. Specific editions of construction codes of a nationally recognized code
40	authority adopted Scope of application.
41	(1) (a) Subject to the limitations contained in Subsections (4), (5), and (6), the
42	following construction codes are incorporated by reference, and together with the amendments
43	specified under this bill, are the construction standards to be applied to building construction,
44	alteration, remodeling, and repair, and in the regulation of building construction, alteration,
45	remodeling and repair in the state:
46	(i) the 2009 edition of the International Building Code (IBC), including Appendix J,
47	issued by the International Code Council;
48	(ii) the 2008 edition of the National Electrical Code (NEC), issued by the National
49	Fire Protection Association;
50	(iii) the 2009 edition of the International Plumbing Code (IPC), issued by the
51	International Code Council;
52	(iv) the 2009 edition of the International Mechanical Code (IMC), issued by the
53	International Code Council;
54	(v) the 2009 edition of the International Residential Code (IRC), issued by the
55	International Code Council:

(vi) the 2009 edition of the International Energy Conservation Code (IECC), issued by

56

57

the International Code Council;

58	(vii) the 2009 edition of the International Fuel Gas Code (IFGC), issued by the
59	International Code Council;
60	(viii) subject to Subsection (3), the Federal Manufactured Housing Construction and
61	Safety Standards Act (HUD Code), as issued by the Department of Housing and Urban
62	Development and published in 24 C.F.R. Parts 3280 and 3282 (as revised April 1, 1990);
63	(ix) subject to Subsection (2), Appendix E of the 2009 edition of the International
64	Residential Code, issued by the International Code Council; and
65	(x) subject to Subsection (2), the 2005 edition of the NFPA 225 Model Manufactured
66	Home Installation Standard, issued by the National Fire Protection Association.
67	(b) Consistent with Title 65A, Chapter 8, Management of Forest Lands and Fire
68	Control, the Legislature adopts the 2006 edition of the Utah Wildland Urban Interface Code
69	(UWUI) issued by the International Code Council, with the alternatives or amendments
70	approved by the Utah Division of Forestry, as a construction code that may be adopted by a
71	local compliance agency by local ordinance or other similar action as a local amendment to the
72	codes listed in this Subsection (1).
73	(2) The following are the installation standards for manufactured housing for new
74	installations or for existing manufactured or mobile homes that are subject to relocation,
75	building alteration, remodeling, or rehabilitation in the state:
76	(a) The manufacturer's installation instruction for the model being installed is the
77	primary standard.
78	(b) If the manufacturer's installation instruction for the model being installed is not
79	available or is incomplete, the following standards apply:
80	(i) Appendix E of the 2009 edition of the IRC, as issued by the International Code
81	Council for installations defined in Section AE101 of Appendix E; or
82	(ii) if an installation is beyond the scope of the 2009 edition of the IRC as defined in
83	Section AE101 of Appendix E, the 2005 edition of the NFPA 225 Model Manufactured Home
84	Installation Standard, issued by the National Fire Protection Association.
85	(c) A manufacturer, dealer, or homeowner is permitted to design for unusual

86	installation of a manufactured home not provided for in the manufacturer's standard
87	installation instruction, Appendix E of the 2009 edition of the IRC, or the 2005 edition of the
88	NFPA 225, if the design is approved in writing by a professional engineer or architect licensed
89	<u>in Utah.</u>
90	(d) For a mobile home built before June 15, 1976, the home shall also comply with the
91	additional installation and safety requirements specified in State Construction Code, Section
92	<u>208.</u>
93	(3) Pursuant to the HUD Code Section 604(d), a manufactured home may be installed
94	in the state that does not meet the local snow load requirements as specified in State
95	Construction Code, Section 202, except that the manufactured home shall have a protective
96	structure built over the home that meets the IRC and the snow load requirements under State
97	Construction Code, Section 202.
98	(4) To the extent that a construction code adopted under Subsection (1) establishes a
99	local administrative function or establishes a method of appeal which pursuant to Utah Code,
100	Section 58-56-8 is designated to be established by the compliance agency:
101	(a) that provision of the construction code is not included in the State Construction
102	Code; and
103	(b) a compliance agency may establish provisions to establish a local administrative
104	function or a method of appeal.
105	(5) (a) To the extent that a construction code adopted under Subsection (1) establishes
106	a provision, standard, or reference to another code that by state statute is designated to be
107	established or administered by another state agency, or a local city, town, or county
108	jurisdiction:
109	(i) that provision of the construction code is not included in the State Construction
110	Code; and
111	(ii) the agency or local government has authority over that provision of the
112	construction code.
113	(b) Provisions excluded under this Subsection (5) include:

114	(i) the International Property Maintenance Code;
115	(ii) the International Private Sewage Disposal Code, authority over which is reserved
116	to the Department of Health and the Department of Environmental Quality;
117	(iii) the International Fire Code, authority over which is reserved to the Utah Fire
118	Prevention Board, pursuant to Utah Code, Section 53-7-106;
119	(iv) a day care provision that is in conflict with Utah Code, Title 26, Chapter 39, Utah
120	Child Care Licensing Act, authority over which is designated to the Utah Department of
121	Health; and
122	(v) a wildland urban interface provision that goes beyond the authority under Utah
123	Code, Section 58-56-4, for the State Construction Code, authority over which is designated to
124	the Utah Division of Forestry or to a local compliance agency.
125	(6) If a construction code adopted under Subsection (1) establishes a provision that
126	exceeds the scope described in Title 58, Chapter 56, Utah Uniform Building Standards Act, to
127	the extent the scope is exceeded, the provision is not included in the State Construction Code.
128	Part 2. Statewide Amendments
129	Section 201. Statewide amendments to the IBC.
130	The following are adopted as amendments to the IBC to be applicable statewide:
131	(1) IBC, Section 106, is deleted.
132	(2) (a) In IBC, Section 110, a new section is added as follows: "110.3.5,
133	
	Weather-resistant exterior wall envelope. An inspection shall be made of the weather-resistant
134	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
134135	* *
	exterior wall envelope as required by Section 1403.2, and flashing as required by Section
135	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."
135 136	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,
135 136 137	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
135 136 137 138	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;

142	manner either contrary to the provisions of this code or other pertinent laws or ordinances or
143	dangerous or unsafe, the building official is authorized to stop work."
144	(4) In IBC, Section 202, the definition for "Assisted Living Facility" is deleted and
145	replaced with the following: "ASSISTED LIVING FACILITY. See Section 308.1.1."
146	(5) In IBC, Section 202, the definition for "Child Care Facilities" is deleted and
147	replaced with the following: "CHILD CARE FACILITIES. See Section 308.3.1."
148	(6) In the list in IBC, Section 304.1, "Ambulatory health care facilities" is deleted and
149	replaced with "Ambulatory health care facilities with four or fewer surgical operating rooms."
150	(7) IBC, Section 305.2, is deleted and replaced with the following: "305.2 Day care.
151	The use of a building or structure, or portion thereof, for educational, supervision, child day
152	care centers, or personal care services of more than four children shall be classified as a Group
153	E occupancy. See Section 424 for special requirements for Group E child day care centers.
154	Exception: Areas used for child day care purposes with a Residential Certificate or a Family
155	License, as defined in Utah Administrative Code, R430-90, Licensed Family Child Care, may
156	be located in a Group R-2 or R-3 occupancy as provided in Section 310.1 or shall comply with
157	the International Residential Code in accordance with Section 101.2. Areas used for Hourly
158	Child Care Centers, as defined in Utah Administrative Code, R430-60, or Out of School Time
159	Programs, as defined in Utah Administrative Code, R430-70, may be classified as accessory
160	occupancies."
161	(8) In IBC, Section 308, the following definitions are added: "308.1.1 Definitions. The
162	following words and terms shall, for the purposes of this section and as used elsewhere in this
163	code, have the meanings shown herein.
164	TYPE I ASSISTED LIVING FACILITY. A residential facility licensed by the Utah
165	Department of Health that provides a protected living arrangement for ambulatory,
166	non-restrained persons who are capable of achieving mobility sufficient to exit the facility
167	without the assistance of another person.
168	TYPE II ASSISTED LIVING FACILITY. A residential facility licensed by the Utah
169	Department of Health that provides an array of coordinated supportive personal and health

170	care services to residents who meet the definition of semi-independent.
171	SEMI-INDEPENDENT. A person who is:
172	A. Physically disabled but able to direct his or her own care; or
173	B. Cognitively impaired or physically disabled but able to evacuate from the facility with the
174	physical assistance of one person.
175	RESIDENTIAL TREATMENT/SUPPORT ASSISTED LIVING FACILITY. A residential
176	treatment/support assisted living facility which creates a group living environment for four or
177	more residents licensed by the Utah Department of Human Services, and provides a protected
178	living arrangement for ambulatory, non-restrained persons who are capable of achieving
179	mobility sufficient to exit the facility without the physical assistance of another person."
180	(9) In IBC, Section 308.2, the words "Assisted living facilities" are deleted and
181	replaced with "Type I Assisted living facilities."
182	(10) IBC, Section 308.3, is deleted and replaced with the following: "308.3 Group I-2.
183	This occupancy shall include buildings and structures used for medical, surgical, psychiatric,
184	nursing, or custodial care on a 24-hour basis of more than three persons who are not capable of
185	self-preservation. This group shall include, but not be limited to the following: hospitals,
186	nursing homes (both intermediate care facilities and skilled nursing facilities), mental
187	hospitals, detoxification facilities, ambulatory surgical centers with five or more operating
188	rooms where care is less than 24 hours, and type II assisted living facilities. Type II assisted
189	living facilities with five or fewer persons shall be classified as a Group R-4. Type II assisted
190	living facilities as defined in 308.1.1 with at least six and not more than sixteen residents shall
191	be classified as a Group I-1 facility."
192	(11) In IBC, Section 308.3.1, the definition for "CHILD CARE FACILITIES" is
193	deleted and replaced with the following: "CHILD CARE FACILITIES. A child care facility, as
194	licensed by the Utah Department of Human Services in Utah Administrative Code, R501, that
195	provides care on a 24-hour basis to more than four children 2 1/2 years of age or less shall be
196	classified as Group I-2."
197	(12) IBC, Section 308.5, is deleted and replaced with the following: "308.5 Group I-4,

198	day care facilities. This group shall include buildings and structures occupied by persons of
199	any age who receive custodial care less than 24 hours by individuals other than parents or
200	guardians, relatives by blood, marriage, or adoption, and in a place other than the home of the
201	person cared for. A facility such as the above with four or fewer persons shall be classified as
202	an R-3 or shall comply with the International Residential Code in accordance with Section
203	101.2. Places of worship during religious functions and Group E child day care centers are not
204	included."
205	(13) IBC, Section 308.5.2, is deleted.
206	(14) In IBC, Section 310.1, in the subsection designated as R-1, at the end of the
207	sentence beginning with "Congregate living facilities" the following is added: "or shall comply
208	with the International Residential Code."
209	(15) In IBC, Section 310.1, in the subsection designated as R-2, at the end of the
210	sentence beginning with "Congregate living facilities" the following is added: "or shall comply
211	with the International Residential Code."
212	(16) In IBC, Section 310.1, the following is added at the end of the subsection
213	designated as R-3: "Areas used for day care purposes may be located in a residential dwelling
214	unit under all of the following conditions:
215	1. Compliance with the Utah Administrative Code, R710-8, Day Care Rules, as enacted under
216	the authority of the Utah Fire Prevention Board.
217	2. Use is approved by the Utah Department of Health, as enacted under the authority of the
218	Utah Code, Title 26, Chapter 39, Utah Child Care Licensing Act, and in any of the following
219	categories:
220	a. Utah Administrative Code, R430-50, Residential Certificate Child Care.
221	b. Utah Administrative Code, R430-90, Licensed Family Child Care.
222	3. Compliance with all zoning regulations of the local regulator."
223	(17) In IBC, Section 310.1, the subsection designated as R-4 is deleted and replaced
224	with the following: "R-4: Residential occupancies shall include buildings arranged for
225	occupancy as Type I Assisted Living Facilities or Residential Treatment/Support Assisted

226	Living Facilities including more than five but not more than 16 residents, excluding staff.
227	Group R-4 occupancies shall meet the requirements for construction as defined for Group R-3
228	except as otherwise provided for in this code."
229	(18) In IBC, Section 310.2, the definition for "Residential Care/Assisted Living
230	Facilities" is deleted and replaced with the following: "Assisted Living Facilities, see Section
231	<u>308.1.1".</u>
232	(19) Section IBC, 403.5.5, is deleted.
233	(20) In IBC, Section 422.1, the words "Sections 422.1 to 422.6" are replaced with
234	"Sections 422.1 to 422.7".
235	(21) In IBC, Section 422, a new section is added as follows: "422.7 Separation.
236	Occupancies classified as Group B Ambulatory Health Care Facilities shall be separated from
237	all surrounding tenants and occupancies in accordance with Table 508.4 but not less than
238	one-hour fire barrier when the suite is capable of providing care for four or more care
239	recipients who are incapable of self preservation."
240	(22) A new IBC, Section 424, is added as follows: "Section 424 Group E Child Day
241	Care Centers. Group E child day care centers shall comply with Section 424.
242	424.1 Location at grade. Group E child day care centers shall be located at the level of exit
243	discharge.
244	Exception: Child day care spaces for children over the age of 24 months may be located on the
245	second floor of buildings equipped with automatic fire protection throughout and an automatic
246	fire alarm system.
247	424.2 Egress. All Group E child day care spaces with an occupant load of more than 10 shall
248	have a second means of egress. If the second means of egress is not an exit door leading
249	directly to the exterior, the room shall have an emergency escape and rescue window
250	complying with Section 1029.
251	424.3 All Group E Child Day Care Centers shall comply with Utah Administrative Code,
252	R430-100, Child Care Centers."
253	(23) In IBC, Section 504.2, a new section is added as follows: "504.2.1

254 Notwithstanding the exceptions to Section 504.2, Group I-2 Assisted Living Facilities shall be 255 allowed to be two stories of Type V-A construction when all of the following apply: 256 1. All secured units are located at the level of exit discharge in compliance with Section 257 1008.1.9.3 as amended; 258 2. The total combined area of both stories shall not exceed the total allowable area for a 259 one-story building; and 260 3. All other provisions that apply in Section 407 have been provided." 261 (24) In IBC, Table 508.4, a new footnote g is added as follows: "g. See Section 422.7 262 for additional requirements of Group B Ambulatory Health Care Facilities." 263 (25) In IBC, Section 707.5.1, a new exception 4 is added as follows: "4. Group B 264 Ambulatory Health Care Facilities." 265 (26) In IBC, Section (F)902, the definition for record drawings is deleted and replaced 266 with the following: "(F) RECORD DRAWINGS. Drawings ("as builts") that document all 267 aspects of a fire protection system as installed." 268 (27) In IBC, Section (F)903.2.2, the words "all fire areas" are deleted and replaced 269 with "buildings". 270 (28) 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 271 272 department vehicle access." (29) IBC, Section (F)903.2.7, condition 2, is deleted and replaced with the following: 273 "2. A Group M fire area is located more than three stories above the lowest level of fire 274 275 department vehicle access." 276 (30) IBC, Section (F)903.2.8, is deleted and replaced with the following: "(F)903.2.8 277 Group R. An automatic sprinkler system installed in accordance with Section 903.3 shall be

- 278 provided throughout all buildings with a Group R fire area.
- 279 Exceptions:
- 280 1. Detached one- and two-family dwellings and multiple single-family dwellings
- 281 (townhouses) constructed in accordance with the International Residential Code For One- and

282	Two-Family Dwellings.
283	2. Group R-4 fire areas not more than 4,500 gross square feet and not containing more than
284	16 residents, provided the building is equipped throughout with an approved fire alarm system
285	that is interconnected and receives its primary power from the building wiring and a
286	commercial power system."
287	(31) IBC, Section (F)903.2.9, condition 2, is deleted and replaced with the following:
288	"2. A Group S-1 fire area is located more than three stories above the lowest level of fire
289	department vehicle access."
290	(32) IBC, Section (F)903.2.10, is deleted and replaced with the following:
291	"(F)903.2.10 Group S-2. An automatic sprinkler system shall be provided throughout
292	buildings classified as parking garages in accordance with Section 406.2 or where located
293	beneath other groups.
294	Exception 1: Parking garages of less than 5,000 square feet (464 m²) accessory to Group R-3
295	occupancies.
296	Exception 2: Open parking garages not located beneath other groups if one of the following
297	conditions is met:
298	a. Access is provided for fire fighting operations to within 150 feet (45,720 mm) of all
299	portions of the parking garage as measured from the approved fire department vehicle access;
300	<u>or</u>
301	b. Class I standpipes are installed throughout the parking garage."
302	(33) In IBC, Section (F)903.2.10.1, the last clause "where the fire area exceeds 5,000
303	square feet (464 m ²)" is deleted.
304	(34) IBC, Section (F)904.11, is deleted and replaced with the following: "(F)904.11
305	Commercial cooking systems. The automatic fire-extinguishing system for commercial
306	cooking systems shall be of a type recognized for protection of commercial cooking equipment
307	and exhaust systems. Pre-engineered automatic extinguishing systems shall be tested in
308	accordance with UL 300 and listed and labeled for the intended application. The system shall
309	be installed in accordance with this code, its listing and the manufacturer's installation

310	instructions.
311	Exception: Factory-built commercial cooking recirculating systems that are tested in
312	accordance with UL 710B and listed, labeled, and installed in accordance with Section 304.1
313	of the International Mechanical Code."
314	(35) IBC, Subsections (F)904.11.3, (F)904.11.3.1, (F)904.11.4, and (F)904.11.4.1, are
315	<u>deleted.</u>
316	(36) A new IBC, Section (F)907.9, is added as follows: "Section (F)907.9 Carbon
317	monoxide alarms. Carbon monoxide alarms shall be installed on each habitable level of a
318	dwelling unit or sleeping unit in Groups R-2, R-3, R-4, and I-1 equipped with fuel burning
319	appliances and in dwelling units that have attached garages. If more than one carbon
320	monoxide alarm is required, they shall be interconnected as required in the International Fire
321	Code, Chapter 9, Section 907.2.11.3. In new construction, carbon monoxide alarms shall
322	receive their primary power as required in the International Fire Code, Chapter 9, Section
323	907.2.11.4. Listed single- and multiple-station carbon monoxide alarms shall comply with UL
324	2034 and shall be installed in accordance with the provisions of this code and NFPA 720."
325	(37) In IBC, Section 1008.1.9.6:
326	(a) the words "Group I-1 and" are added in the title and in the first sentence before the
327	words "Group I-2";
328	(b) the word "delayed" is deleted throughout and replaced with "controlled"; and
329	(c) the last sentence before the numbered subsections 1 through 6 is deleted.
330	(38) In IBC, Section 1009.4.2, exception 5 is deleted and replaced with the following:
331	"5. In Group R-3 occupancies, within dwelling units in Group R-2 occupancies, and in Group
332	U occupancies that are accessory to a Group R-3 occupancy, or accessory to individual
333	dwelling units in Group R-2 occupancies, the maximum riser height shall be 8 inches (203
334	mm) and the minimum tread depth shall be 9 inches (229 mm). The minimum winder tread
335	depth at the walk line shall be 10 inches (254 mm), and the minimum winder tread depth shall
336	be 6 inches (152 mm). A nosing not less than 0.75 inch (19.1 mm) but not more than 1.25
337	inches (32 mm) shall be provided on stairways with solid risers where the tread depth is less

338	than 10 inches (254 mm)."
339	(39) In IBC, Section 1009.12, a new exception 6 is added as follows: "6. In
340	occupancies in Group R-3, as applicable in Section 101.2 and in occupancies in Group U,
341	which are accessory to an occupancy in Group R-3, as applicable in Section 101.2, handrails
342	shall be provided on at least one side of stairways consisting of four or more risers."
343	(40) In IBC, Section 1013.2, the words "adjacent fixed seating" are deleted.
344	(41) In IBC, Section 1013.2, a new exception 5 is added as follows: "5. For
345	occupancies in Group R-3 and within individual dwelling units in occupancies in Group R-2,
346	as applicable in Section 101.2, guards shall form a protective barrier not less than 36 inches
347	(914 mm) in height."
348	(42) In IBC, Section 1015.2.2, the following sentence is added at the end: "Additional
349	exits or exit access doorways shall be arranged a reasonable distance apart so that if one
350	becomes blocked, the others will be available."
351	(43) IBC, Section 1024, is deleted.
352	(44) A new IBC, Section 1109.7.1, is added as follows: "1109.7.1 Platform
353	(wheelchair) lifts. All platform (wheelchair) lifts shall be capable of independent operation
354	without a key."
355	(45) In IBC, Section 1208.4, subparagraph 1 is deleted and replaced with the
356	following: "1. The unit shall have a living room of not less than 165 square feet (15.3 m²) of
357	floor area. An additional 100 square feet (9.3 m ²) of floor area shall be provided for each
358	occupant of such unit in excess of two."
359	(46) In IBC, Table 1604.5, Occupancy Category III, in the sentence that begins Group
360	I-2, a new footnote b is added as follows: "b. Type II Assisted Living Facilities that are I-2
361	occupancy classifications in accordance with Section 308 shall be Occupancy Category II in
362	this table."
363	(47) In IBC, Section 1605.2.1, the formula shown as " $f_2 = 0.2$ for other roof
364	configurations" is deleted and replaced with the following: " $f_2 = 0.20 + .025(A-5)$ for other
365	configurations where roof snow load exceeds 30 psf;

366	$\underline{f_2} = 0$ for roof snow loads of 30 psf (1.44kN/m ²) or less.
367	Where A = Elevation above sea level at the location of the structure (ft/1000)."
368	(48) In IBC, Section 1605.3.1 and Section 1605.3.2, exception 2 in each section is
369	deleted and replaced with the following: "2. Flat roof snow loads of 30 pounds per square foot
370	(1.44 kNm²) or less need not be combined with seismic loads. Where flat roof snow loads
371	exceed 30 pounds per square foot (1.44 kNm²), the snow loads may be reduced in accordance
372	with the following in load combinations including both snow and seismic loads. W_s as
373	calculated below, shall be combined with seismic loads.
374	$W_s = (0.20 + 0.025(A-5))P_f$ is greater than or equal to $0.20 P_f$.
375	Where:
376	$\underline{W_s}$ = Weight of snow to be included in seismic calculations
377	A = Elevation above sea level at the location of the structure (ft/1000)
378	$\underline{P_f} = Design \ roof \ snow \ load, \ psf$
379	For the purpose of this section, snow load shall be assumed uniform on the roof footprint
380	without including the effects of drift or sliding. The Importance Factor, I, used in calculating
381	$\underline{P_f}$ may be considered 1.0 for use in the formula for $\underline{W_s}$ ".
382	(49) IBC, Section 1608.1, is deleted and replaced with the following: "1608.1 General.
383	Except as modified in Sections 1608.1.1, 1608.1.2, and 1608.1.3 design snow loads shall be
384	determined in accordance with Chapter 7 of ASCE 7, but the design roof load shall not be less
385	than that determined by Section 1607."
386	(50) A new IBC, Section 1608.1.1, is added as follows: "1608.1.1 Section 7.4.5 of
387	Chapter 7 of ASCE 7 referenced in Section 1608.1 of the IBC is deleted and replaced with the
388	following: "Section 7.4.5 Ice Dams and Icicles Along Eaves. Where ground snow loads exceed
389	75 psf, eaves shall be capable of sustaining a uniformly distributed load of 2p _f on all
390	overhanging portions. No other loads except dead loads shall be present on the roof when this
391	uniformly distributed load is applied. All building exits under down-slope eaves shall be
392	protected from sliding snow and ice."
393	(51) In IBC, Section 1608.1.2, a new section is added as follows: "1608.1.2 Utah

394	Snow Loads. The ground snow load, P _g , to be used in the determination of	design snow loads						
395	for buildings and other structures shall be determined by using the following	for buildings and other structures shall be determined by using the following formula: $P_g = (P_o^2)$						
396	$+ S^2(A-A_0)^2$) ^{0.5} for A greater than A_0 , and $P_g = P_0$ for A less than or equal to A_0 .							
397	397 <u>WHERE:</u>							
398	$\underline{P_g} = \underline{Ground \ snow \ load \ at \ a \ given \ elevation \ (psf);}$							
399	\underline{P}_{\circ} = Base ground snow load (psf) from Table No. 1608.1.2(a);							
400	S = Change in ground snow load with elevation (psf/100 ft.) From Table N	o. 1608.1.2(a);						
401	A = Elevation above sea level at the site (ft./1,000);							
402	\underline{A}_{o} = Base ground snow elevation from Table 1608.1.2(a) (ft./1,000).							
403	The building official may round the roof snow load to the nearest 5 psf. The	e ground snow						
404	load, P _g , may be adjusted by the building official when a licensed engineer	or architect submits						
405	data substantiating the adjustments. A record of such action together with the	he substantiating						
406	data shall be provided to the division for a permanent record.							
407	The building official may also directly adopt roof snow loads in accordance	with Table						
408	1608.1.2(b), provided the site is no more than 100 ft. higher than the listed	elevation.						
409	Where the minimum roof live load in accordance with Section 1607.11 is g	Where the minimum roof live load in accordance with Section 1607.11 is greater than the						
410	design roof snow load, such roof live load shall be used for design, however	r, it shall not be						
411	reduced to a load lower than the design roof snow load. Drifting need not b	e considered for						
412	roof snow loads less than 20 psf."							
413	413 (52) IBC, Table 1608.1.2(a) and Table 1608.1.2(b), are added as fo	llows:						
414	"TABLE NO. 1608.1.2(a)							
415	STATE OF UTAH - REGIONAL SNOW LOAD FAC	CTORS						
416	$\frac{\text{COUNTY}}{\text{Po}} \underline{\text{P}}_{\text{o}} \underline{\text{S}} \underline{\text{A}}_{\text{o}}$							
417	<u>Beaver</u> <u>43</u> <u>63</u> <u>6.2</u>							
418	Box Elder 43 63 5.2							
419	119 <u>Cache</u> <u>50</u> <u>63</u> <u>4.5</u>							
420	120 <u>Carbon</u> <u>43</u> <u>63</u> <u>5.2</u>							
421	<u>Daggett</u> <u>43</u> <u>63</u> <u>6.5</u>							

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422	<u>Davis</u>	<u>43</u>	<u>63</u>	<u>4.5</u>		
423	<u>Duchesne</u>	<u>43</u>	<u>63</u>	<u>6.5</u>		
424	Emery	<u>43</u>	<u>63</u>	<u>6.0</u>		
425	Garfield	<u>43</u>	<u>63</u>	<u>6.0</u>		
426	<u>Grand</u>	<u>36</u>	<u>63</u>	<u>6.5</u>		
427	<u>Iron</u>	<u>43</u>	<u>63</u>	<u>5.8</u>		
428	<u>Juab</u>	<u>43</u>	<u>63</u>	<u>5.2</u>		
429	<u>Kane</u>	<u>36</u>	<u>63</u>	<u>5.7</u>		
430	<u>Millard</u>	<u>43</u>	<u>63</u>	<u>5.3</u>		
431	<u>Morgan</u>	<u>57</u>	<u>63</u>	<u>4.5</u>		
432	<u>Piute</u>	<u>43</u>	<u>63</u>	<u>6.2</u>		
433	<u>Rich</u>	<u>57</u>	<u>63</u>	<u>4.1</u>		
434	Salt Lake	<u>43</u>	<u>63</u>	<u>4.5</u>		
435	<u>San Juan</u>	<u>43</u>	<u>63</u>	<u>6.5</u>		
436	<u>Sanpete</u>	<u>43</u>	<u>63</u>	<u>5.2</u>		
437	<u>Sevier</u>	<u>43</u>	<u>63</u>	<u>6.0</u>		
438	<u>Summit</u>	<u>86</u>	<u>63</u>	<u>5.0</u>		
439	<u>Tooele</u>	<u>43</u>	<u>63</u>	<u>4.5</u>		
440	<u>Uintah</u>	<u>43</u>	<u>63</u>	<u>7.0</u>		
441	<u>Utah</u>	<u>43</u>	<u>63</u>	<u>4.5</u>		
442	Wasatch	<u>86</u>	<u>63</u>	<u>5.0</u>		
443	Washington	<u>29</u>	<u>63</u>	<u>6.0</u>		
444	<u>Wayne</u>	<u>36</u>	<u>63</u>	<u>6.5</u>		
445	Weber	<u>43</u>	<u>63</u>	<u>4.5</u>		
446			<u>TA</u>]	BLE NO	0. 1608.1.2(b)	
447 <u>RE</u>	COMMENDED S	<u>NOW</u>	LOADS	FOR S	ELECTED UT	CAH CITIES AND TOWNS(2)
448					Roof Snow	Ground Snow

449

<u>Load (PSF)</u> <u>Load (PSF)</u>

450	Beaver County			
451	<u>Beaver</u>	<u>5,920 ft.</u>	<u>43</u>	<u>62</u>
452	Box Elder County			
453	Brigham City	4,300 ft.	<u>30</u>	<u>43</u>
454	<u>Tremonton</u>	4,290 ft.	<u>30</u>	<u>43</u>
455	Cache County			
456	<u>Logan</u>	4,530 ft.	<u>35</u>	<u>50</u>
457	Smithfield	4,595 ft.	<u>35</u>	<u>50</u>
458	Carbon County			
459	<u>Price</u>	<u>5,550 ft.</u>	<u>30</u>	<u>43</u>
460	Daggett County			
461	<u>Manila</u>	<u>5,377 ft.</u>	<u>30</u>	<u>43</u>
462	Davis County			
463	Bountiful	4,300 ft.	<u>30</u>	<u>43</u>
464	<u>Farmington</u>	4,270 ft.	<u>30</u>	<u>43</u>
465	<u>Layton</u>	4,400 ft.	<u>30</u>	<u>43</u>
466	Fruit Heights	4,500 ft.	<u>40</u>	<u>57</u>
467	<u>Duchesne County</u>			
468	<u>Duchesne</u>	<u>5,510 ft.</u>	<u>30</u>	<u>43</u>
469	Roosevelt	<u>5,104 ft.</u>	<u>30</u>	<u>43</u>
470	Emery County			
471	<u>Castledale</u>	<u>5,660 ft.</u>	<u>30</u>	<u>43</u>
472	Green River	4,070 ft.	<u>25</u>	<u>36</u>
473	Garfield County			
474	<u>Panguitch</u>	<u>6,600 ft.</u>	<u>30</u>	<u>43</u>
475	Grand County			
476	<u>Moab</u>	3,965 ft.	<u>25</u>	<u>36</u>
477	Iron County			

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478	Cedar City	<u>5,831 ft.</u>	<u>30</u>	<u>43</u>
479	Juab County			
480	<u>Nephi</u>	<u>5,130 ft.</u>	<u>30</u>	<u>43</u>
481	Kane County			
482	<u>Kanab</u>	<u>5,000 ft.</u>	<u>25</u>	<u>36</u>
483	Millard County			
484	<u>Millard</u>	<u>5,000 ft.</u>	<u>30</u>	<u>43</u>
485	<u>Delta</u>	4,623 ft.	<u>30</u>	<u>43</u>
486	Morgan County			
487	Morgan	<u>5,064 ft.</u>	<u>40</u>	<u>57</u>
488	Piute County			
489	<u>Piute</u>	<u>5,996 ft.</u>	<u>30</u>	<u>43</u>
490	Rich County			
491	<u>Woodruff</u>	<u>6,315 ft.</u>	<u>40</u>	<u>57</u>
492	Salt Lake County			
493	<u>Murray</u>	4,325 ft.	<u>30</u>	<u>43</u>
494	Salt Lake City	4,300 ft.	<u>30</u>	<u>43</u>
495	<u>Sandy</u>	4,500 ft.	<u>30</u>	<u>43</u>
496	West Jordan	4,375 ft.	<u>30</u>	<u>43</u>
497	West Valley	4,250 ft.	<u>30</u>	<u>43</u>
498	San Juan County			
499	<u>Blanding</u>	<u>6,200 ft.</u>	<u>30</u>	<u>43</u>
500	<u>Monticello</u>	<u>6,820 ft.</u>	<u>35</u>	<u>50</u>
501	Sanpete County			
502	<u>Fairview</u>	6,750 ft.	<u>35</u>	<u>50</u>
503	Mt. Pleasant	<u>5,900 ft.</u>	<u>30</u>	<u>43</u>
504	<u>Manti</u>	<u>5,740 ft.</u>	<u>30</u>	<u>43</u>
505	<u>Ephraim</u>	<u>5,540 ft.</u>	<u>30</u>	<u>43</u>

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506	<u>Gunnison</u>	<u>5,145 ft.</u>	<u>30</u>	<u>43</u>			
507	Sevier County						
508	<u>Salina</u>	5,130 ft.	<u>30</u>	<u>43</u>			
509	<u>Richfield</u>	<u>5,270 ft.</u>	<u>30</u>	<u>43</u>			
510	Summit County						
511	<u>Coalville</u>	<u>5,600 ft.</u>	<u>60</u>	<u>86</u>			
512	<u>Kamas</u>	<u>6,500 ft.</u>	<u>70</u>	<u>100</u>			
513	Park City	<u>6,800 ft.</u>	<u>100</u>	<u>142</u>			
514	Park City	<u>8,400 ft.</u>	<u>162</u>	<u>231</u>			
515	Summit Park	<u>7,200 ft.</u>	<u>90</u>	<u>128</u>			
516	Tooele County						
517	<u>Tooele</u>	<u>5,100 ft.</u>	<u>30</u>	<u>43</u>			
518	<u>Uintah County</u>						
519	<u>Vernal</u>	<u>5,280 ft.</u>	<u>30</u>	<u>43</u>			
520	<u>Utah County</u>						
521	American Fork	4,500 ft.	<u>30</u>	<u>43</u>			
522	<u>Orem</u>	4,650 ft.	<u>30</u>	<u>43</u>			
523	Pleasant Grove	<u>5,000 ft.</u>	<u>30</u>	<u>43</u>			
524	<u>Provo</u>	<u>5,000 ft.</u>	<u>30</u>	<u>43</u>			
525	Spanish Fork	4,720 ft.	<u>30</u>	<u>43</u>			
526	Wasatch County						
527	<u>Heber</u>	<u>5,630 ft.</u>	<u>60</u>	<u>86</u>			
528	Washington County						
529	<u>Central</u>	<u>5,209 ft.</u>	<u>25</u>	<u>36</u>			
530	<u>Dameron</u>	<u>4,550 ft.</u>	<u>25</u>	<u>36</u>			
531	<u>Leeds</u>	3,460 ft.	<u>20</u>	<u>29</u>			
532	<u>Rockville</u>	<u>3,700 ft.</u>	<u>25</u>	<u>36</u>			
533	Santa Clara	2,850 ft.	<u>15 (1)</u>	<u>21</u>			

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534		St. George	2,750 ft.	<u>15 (1)</u>	<u>21</u>	
535	Wayne	e County				
536		<u>Loa</u>	<u>7,080 ft.</u>	<u>30</u>	<u>43</u>	
537		<u>Hanksville</u>	4,308 ft.	<u>25</u>	<u>36</u>	
538	Weber	· County				
539		North Ogden	4,500 ft.	<u>40</u>	<u>57</u>	
540		<u>Ogden</u>	4,350 ft.	<u>30</u>	<u>43</u>	
541	<u>NOTES</u>					
542	(1) The IBC requires	a minimum live load -	See 1607.11.2	<u>.</u>		
543	(2) This table is infor	rmational only in that a	ctual site eleva	tions may vary	. Table is only valid	
544	if site elevation is wit	hin 100 feet of the liste	ed elevation."			
545	(53) A new II	BC, Section 1608.1.3, i	is added as follo	ows: "1608.1.3	Thermal Factor. The	
546	value for the thermal	factor, C _t , used in calcu	ulation of P _f sha	all be determine	ed from Table 7.3 in	
547	ASCE 7.					
548	Exception: Except for unheated structures, the value of C _t need not exceed 1.0 when ground					
549	snow load, P _g is calculated using Section 1608.1.2 as amended."					
550	(54) IBC, Section 1608.2, is deleted and replaced with the following: "1608.2 Ground					
551	Snow Loads. The gro	und snow loads to be u	ised in determin	ning the design	snow loads for roofs	
552	in states other than U	tah are given in Figure	1608.2 for the	contiguous Uni	ited States and Table	
553	1608.2 for Alaska. Si	te-specific case studies	shall be made	in areas design	ated CS in figure	
554	1608.2. Ground snow	loads for sites at eleva	ations above the	limits indicate	ed in Figure 1608.2	
555	and for all sites within	n the CS areas shall be	approved. Gro	und snow load	determination for	
556	such sites shall be bas	sed on an extreme valu	e statistical ana	lysis of data av	ailable in the	
557	vicinity of the site using a value with a 2-percent annual probability of being exceeded					
558	(50-year mean recurre	ence interval). Snow lo	ads are zero for	Hawaii, excep	ot in mountainous	
559	regions as approved by the building official."					
560	(55) In IBC, S	Section 1609.1.1, a new	v exception 7 is	added as follo	ws: "7. The wind	
561	design procedure as for	ound in Sections 1616	through 1624 o	f the 1997 Uni	form Building Code	

562	may be used as an alternative wind design procedure for signs and free standing walls as listed
563	in item 7 listed in Table 16-H of the 1997 Uniform Building Code. The Importance Factor, I,
564	shall be determined in accordance with Table 6-1 of ASCE 7. Stress increases are only allowed
565	as provided in Section 1605.3 of the 2009 IBC."
566	(56) A new IBC, Section 1613.1.1, is added as follows: "1613.1.1 ASCE 12.7.2 and
567	12.14.8.1 of Chapter 12 of ASCE 7 referenced in Section 1613.1, Definition of W, Item 4 is
568	deleted and replaced with the following:
569	4. Where the flat roof snow load, P _f , exceeds 30 psf, the snow load included in seismic design
570	shall be calculated, in accordance with the following formula: $W_s = (0.20 + 0.025(A-5))P_f$ is
571	greater than or equal to 0.20 P _f .
572	WHERE:
573	\underline{W}_s = Weight of snow to be included in seismic calculations;
574	\underline{A} = Elevation above sea level at the location of the structure (ft/1,000);
575	$\underline{P_f} = Design \ roof \ snow \ load, \ psf.$
576	For the purposes of this section, snow load shall be assumed uniform on the roof footprint
577	without including the effects of drift or sliding. The Importance Factor, I, used in calculating
578	$\underline{P_f}$ may be considered 1.0 for use in the formula for $\underline{W_s}$."
579	(57) A new IBC, Section 1613.8, is added as follows: "1613.8 ASCE 7, Section
580	13.5.6.2.2 paragraph (e) is modified to read as follows: (e) Penetrations shall have a sleeve or
581	adapter through the ceiling tile to allow for free movement of at least 1 inch (25 mm) in all
582	horizontal directions.
583	Exceptions:
584	1. Where rigid braces are used to limit lateral deflections.
585	2. At fire sprinkler heads in frangible surfaces per NFPA 13."
586	(58) A new IBC, Section 1807.1.6.4, is added as follows: "1807.1.6.4 Empirical
587	concrete foundation design. Group R, Division 3 Occupancies three stories or less in height,
588	and Group U Occupancies, which are constructed in accordance with Section 2308, or with
589	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."

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

593 "TABLE 1807.1.6.4

590

591

592

594 <u>EMPIRICAL FOUNDATION WALLS (1,7,8)</u>

						() /		
595	Max. Height	Top Edge	Min.	Vertical	<u>Horizontal</u>	Steel at	Max. Lintel	Min. Lintel
596		<u>Support</u>	Thickness	Steel (2)	<u>Steel (3)</u>	Openings (4)	Length	Length
597	2'(610 mm)	None	<u>6"</u>	<u>(5)</u>	<u>2#4 Bars</u>	2- #4 Bars above	2'(610 mm)	2"for each
598						1- #4 Bar each side		foot of
599						1- #4 Bar below		opening
600								width;
601								min. 6"
602	3'(914 mm)	<u>None</u>	<u>6"</u>	#4@32"	3-#4 Bars	2- #4 Bars above	2'(610 mm)	2"for each
603						1- #4 Bar each side		foot of
604						1- #4 Bar below		opening
605								width;
606								min. 6"
607	4'(1,219 mm)	<u>None</u>	<u>6"</u>	#4@32"	4-#4 Bars	2- #4 Bars above	3'(914 mm)	2"for each
608						1- #4 Bar each side		foot of
609						1- #4 Bar below		<u>opening</u>
610								width;
611								min. 6"
612	6'(1,829 mm)	Floor or roo	<u>f 8"</u>	#4@24"	<u>5-#4 Bars</u>	2- #4 Bars above		2"for each
613		<u>Diaphragm</u>				1- #4 Bar each side		foot of
614		<u>(6)</u>				1- #4 Bar below		opening
615								width;
616								min. 6"
617	8'(2,438 mm)	Floor or roo	<u>f</u> <u>8"</u>	<u>#4@24"</u>	6-#4 Bars	2- #4 Bars above	<u>6'(1,829 mm)</u>	2"for each
618		<u>Diaphragm</u>				1- #4 Bar each side		<u>foot of</u>
619		<u>(6)</u>				1- #4 Bar below		<u>opening</u>
620								width;
621								<u>min. 6"</u>
622	9'(2,743 mm)	Floor or roo	<u>f 8"</u>	<u>#4@16"</u>	7-#4 Bars	2- #4 Bars above	<u>6'(1,829 mm)</u>	2"for each
623		<u>Diaphragm</u>				1- #4 Bar each side		<u>foot of</u>
624		<u>(6)</u>				<u>1- #4 Bar below</u>		<u>opening</u>
625								width;

626	min. 6"
627	Over 9'(2,743 mm), Engineering required for each column
628	Footnotes:
629	(1) Based on 3,000 psi (20.6 Mpa) concrete and 60,000 psi (414 Mpa) reinforcing steel.
630	(2) To be placed in the center of the wall, and extended from the footing to within three
631	inches (76 mm) of the top of the wall; dowels of #4 bars to match vertical steel placement shall
632	be provided in the footing, extending 24 inches (610 mm) into the foundation wall.
633	(3) One bar shall be located in the top four inches (102 mm), one bar in the bottom four
634	inches (102 mm) and the other bars equally spaced between. Such bar placement satisfies the
635	requirements of Section 1805.9. Corner reinforcing shall be provided so as to lap 24 inches
636	(610 mm).
637	(4) Bars shall be placed within two inches (51 mm) of the openings and extend 24 inches
638	(610 mm) beyond the edge of the opening; vertical bars may terminate three inches (76 mm)
639	from the top of the concrete.
640	(5) Dowels of #4 bar at 32 inches on center shall be provided in the footing, extending 18
641	inches (457 mm) into the foundation wall.
642	(6) Diaphragm shall conform to the requirements of Section 2308.
643	(7) Footing shall be a minimum of nine inches thick by 20 inches wide.
644	(8) Soil backfill shall be soil classification types GW, GP, SW, or SP, per Table 1610.1. Soil
645	shall not be submerged or saturated in groundwater."
646	(60) A new IBC, Section 2306.1.5, is added as follows: "2306.1.5 Load duration
647	factors. The allowable stress increase of 1.15 for snow load, shown in Table 2.3.2, Frequently
648	<u>Used Load Duration Factors, C_d, of the National Design Specifications, shall not be utilized at</u>
649	elevations above 5,000 feet (1,524 M)."
650	(61) In IBC, Section 2308.6, a new exception is added as follows: "Exception: Where
651	foundation plates or sills are bolted or anchored to the foundation with not less than 1/2 inch
652	(12.7 mm) diameter steel bolts or approved anchors, embedded at least 7 inches (178 mm) into
653	concrete or masonry and spaced not more than 32 inches (816 mm) apart, there shall be a
654	minimum of two bolts or anchor straps per piece located not less than 4 inches (102 mm) from

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such end of each piece. A properly sized nut and washer shall be tightened on each holt to the

655	each end of each piece. A properly sized nut and washer shall be tightened on each bolt to the
656	plate."
657	(62) IBC, Section 2506.2.1, is deleted and replaced with the following: "2506.2.1
658	Other materials. Metal suspension systems for acoustical and lay-in panel ceilings shall
659	conform with ASTM C635 listed in Chapter 35 and Section 13.5.6 of ASCE 7-05, as amended
660	in Section 1613.8, for installation in high seismic areas."
661	(63) In IBC, Section 2902.1, the title for Table 2902.1 is deleted and replaced and a
662	new footnote g is added as follows:
663	(a) "Table 2902.1, Minimum Number of Required Plumbing Facilities ^{a, g} "; and
664	(b) "FOOTNOTE: g. When provided, in public toilet facilities there shall be an equal
665	number of diaper changing facilities in male toilet rooms and female toilet rooms."
666	(64) In IBC, Section 3006.5, a new exception is added as follows: "Exception:
667	Hydraulic elevators and roped hydraulic elevators with a rise of 50 feet or less."
668	(65) A new section IBC, Section 3401.6, is added as follows: "3401.6 Parapet bracing,
669	wall anchors, and other appendages. Buildings constructed prior to 1975 shall have parapet
670	bracing, wall anchors, and appendages such as cornices, spires, towers, tanks, signs, statuary,
671	etc. evaluated by a licensed engineer when said building is undergoing reroofing, or alteration
672	of or repair to said feature. Such parapet bracing, wall anchors, and appendages shall be
673	evaluated in accordance with 75% of the seismic forces as specified in Section 1613. When
674	allowed by the local building official, alternate methods of equivalent strength as referenced in
675	an approved code under Utah Code, Subsection 58-56-4(6)(a), will be considered when
676	accompanied by engineer-sealed drawings, details, and calculations. When found to be
677	deficient because of design or deteriorated condition, the engineer's recommendations to
678	anchor, brace, reinforce, or remove the deficient feature shall be implemented.
679	EXCEPTIONS:
680	1. Group R-3 and U occupancies.
681	2. Unreinforced masonry parapets need not be braced according to the above stated provisions
682	provided that the maximum height of an unreinforced masonry parapet above the level of the

683	diaphragm tension anchors or above the parapet braces shall not exceed one and one-half
684	times the thickness of the parapet wall. The parapet height may be a maximum of two and
685	one-half times its thickness in other than Seismic Design Categories D, E, or F."
686	(66) IBC, Section 3408.4, is deleted and replaced with the following: "3408.4 Change
687	in Occupancy. When a change in occupancy results in a structure being reclassified to a higher
688	Occupancy Category (as defined in Table 1604.5), or when such change of occupancy results
689	in a design occupant load increase of 100% or more, the structure shall conform to the seismic
690	requirements for a new structure.
691	Exceptions:
692	1. Specific seismic detailing requirements of this code or ASCE 7 for a new structure shall not
693	be required to be met where it can be shown that the level of performance and seismic safety is
694	equivalent to that of a new structure. Such analysis shall consider the regularity, overstrength,
695	redundancy, and ductility of the structure within the context of the existing and retrofit (if any)
696	detailing providing. Alternatively, the building official may allow the structure to be upgraded
697	in accordance with referenced sections as found in an approved code under Utah Code,
698	Subsection 58-56-4(6)(a).
699	2. When a change of use results in a structure being reclassified from Occupancy Category I
700	or II to Occupancy Category III and the structure is located in a seismic map area where S_{DS} is
701	less than 0.33, compliance with the seismic requirements of this code and ASCE 7 are not
702	required.
703	3. Where design occupant load increase is less than 25 occupants and the Occupancy
704	Category does not change."
705	(67) In IBC, Section 3411.1, the exception is deleted and replaced with the following:
706	"Exception: Type B dwelling or sleeping units required by Section 1107 of this code are not
707	required to be provided in existing buildings and facilities unless being altered or undergoing a
708	change of occupancy classification."
709	(68) The following referenced standard is added under NFPA in IBC, Chapter 35:
710	"Referenced in code

711	Number	<u>Title</u>	Section number	
712	<u>720-09</u>	720-09 Standard for the Installation of 907.9		
713		Carbon Monoxide (CO) Detection and		
714		Warning Equipment"		
715	<u>(69)</u>	The following referenced standard is ad	ded under UL in IBC, Chapter 35:	
716			"Referenced in code	
717	Number	<u>Title</u>	Section number	
718	2034-2008	Standard of Single- and	907.9	
719		Multiple-station Carbon Monoxide Alar	rms"	
720	Section 202	2. Statewide Amendments to the IRC.		
721	<u>The</u>	following are adopted as amendments to	the IRC to be applicable statewide:	
722	<u>(1)</u>	The statewide amendments to the following	ing which may be applied to detached one	
723	and two fan	nily dwellings and multiple single family	dwellings shall be applicable to the	
724	corresponding provisions of the IRC:			
725	(a) IBC under State Construction Code, Section 201;			
726	(b) IPC under State Construction Code, Section 203;			
727	<u>(c)</u>	IMC under State Construction Code, Section 1981	tion 204;	
728	<u>(d)</u>	IFGC under State Construction Code, Sec	ction 205;	
729	<u>(e) 1</u>	NEC under State Construction Code, Sect	ion 206; and	
730	<u>(f)</u>	IECC under State Construction Code, Se	ction 207.	
731	<u>(2)</u>	In IRC, Section 109:		
732	<u>(a)</u>	A new IRC, Section 109.1.5, is added as	follows: "R109.1.5 Weather-resistant	
733	exterior wal	ll envelope inspections. An inspection sha	all be made of the weather-resistant	
734	exterior wal	Il envelope as required by Section R703.1	and flashings as required by Section	
735	R703.8 to p	revent water from entering the weather-re	esistive barrier."	
736	<u>(b)</u>	The remaining sections are renumbered a	s follows: R109.1.6 Other inspections;	
737	R109.1.6.1	Fire-and smoke-resistance-rated construc	tion inspection; R109.1.6.2 Reinforced	
738	masonry, in	sulating concrete form (ICF) and convent	tionally formed concrete wall inspection;	

739	and R109.1.7 Final inspection.
740	(3) IRC, Section R114.1, is deleted and replaced with the following: "R114.1 Notice
741	to owner. Upon notice from the building official that work on any building or structure is
742	being prosecuted contrary to the provisions of this code or other pertinent laws or ordinances
743	or in an unsafe and dangerous manner, such work shall be immediately stopped. The stop
744	work order shall be in writing and shall be given to the owner of the property involved, or to
745	the owner's agent or to the person doing the work; and shall state the conditions under which
746	work will be permitted to resume."
747	(4) In IRC, Section R202, the following definition is added: "CERTIFIED
748	BACKFLOW PREVENTER ASSEMBLY TESTER: A person who has shown competence to
749	test Backflow prevention assemblies to the satisfaction of the authority having jurisdiction
750	under Utah Code, Subsection 19-4-104(4)."
751	(5) In IRC, Section R202, the definition of "Cross Connection" is deleted and replaced
752	with the following: "CROSS CONNECTION. Any physical connection or potential
753	connection or arrangement between two otherwise separate piping systems, one of which
754	contains potable water and the other either water of unknown or questionable safety or steam,
755	gas, or chemical, whereby there exists the possibility for flow from one system to the other,
756	with the direction of flow depending on the pressure differential between the two systems (see
757	"Backflow, Water Distribution")."
758	(6) In IRC, Section R202, the definition of "Potable Water" is deleted and replaced
759	with the following: "POTABLE WATER. Water free from impurities present in amounts
760	sufficient to cause disease or harmful physiological effects and conforming to the Utah Code,
761	Title 19, Chapters 4 and 5, and the regulations of the public health authority having
762	jurisdiction."
763	(7) IRC, Figure R301.2(5), is deleted and replaced with Table R301.2(5a) and Table
764	R301.2(5b) as follows:
765	"TABLE NO. R301.2(5a)
766	STATE OF UTAH - REGIONAL SNOW LOAD FACTORS

767	COUNTY	$\underline{\mathbf{P}}_{\mathrm{o}}$	<u>S</u>	$\underline{\mathbf{A}}_{\mathrm{o}}$
768	<u>Beaver</u>	<u>43</u>	<u>63</u>	<u>6.2</u>
769	Box Elder	<u>43</u>	<u>63</u>	<u>5.2</u>
770	<u>Cache</u>	<u>50</u>	<u>63</u>	<u>4.5</u>
771	<u>Carbon</u>	<u>43</u>	<u>63</u>	<u>5.2</u>
772	<u>Daggett</u>	<u>43</u>	<u>63</u>	<u>6.5</u>
773	<u>Davis</u>	<u>43</u>	<u>63</u>	<u>4.5</u>
774	<u>Duchesne</u>	<u>43</u>	<u>63</u>	<u>6.5</u>
775	<u>Emery</u>	<u>43</u>	<u>63</u>	<u>6.0</u>
776	<u>Garfield</u>	<u>43</u>	<u>63</u>	<u>6.0</u>
777	<u>Grand</u>	<u>36</u>	<u>63</u>	<u>6.5</u>
778	<u>Iron</u>	<u>43</u>	<u>63</u>	<u>5.8</u>
779	<u>Juab</u>	<u>43</u>	<u>63</u>	<u>5.2</u>
780	<u>Kane</u>	<u>36</u>	<u>63</u>	<u>5.7</u>
781	<u>Millard</u>	<u>43</u>	<u>63</u>	<u>5.3</u>
782	<u>Morgan</u>	<u>57</u>	<u>63</u>	<u>4.5</u>
783	<u>Piute</u>	<u>43</u>	<u>63</u>	<u>6.2</u>
784	Rich	<u>57</u>	<u>63</u>	<u>4.1</u>
785	Salt Lake	<u>43</u>	<u>63</u>	<u>4.5</u>
786	San Juan	<u>43</u>	<u>63</u>	<u>6.5</u>
787	<u>Sanpete</u>	<u>43</u>	<u>63</u>	<u>5.2</u>
788	<u>Sevier</u>	<u>43</u>	<u>63</u>	<u>6.0</u>
789	<u>Summit</u>	<u>86</u>	<u>63</u>	<u>5.0</u>
790	<u>Tooele</u>	<u>43</u>	<u>63</u>	<u>4.5</u>
791	<u>Uintah</u>	<u>43</u>	<u>63</u>	<u>7.0</u>
792	<u>Utah</u>	<u>43</u>	<u>63</u>	<u>4.5</u>
793	Wasatch	<u>86</u>	<u>63</u>	<u>5.0</u>
794	Washington	<u>29</u>	<u>63</u>	<u>6.0</u>

795	<u>Wayne</u>	<u>36</u>	<u>63</u>	<u>6.5</u>
796	Weber	<u>43</u>	<u>63</u>	<u>4.5</u>
797		TABLE N	O. R301.2(5b)	
798	RECOMMENDED SNO	W LOADS FOR	SELECTED UTAH	CITIES AND TOWNS(2)
799			Roof Snow	Ground Snow
800			Load (PSF)	Load (PSF)
801	Beaver County			
802	<u>Beaver</u>	<u>5,920 ft.</u>	<u>43</u>	<u>62</u>
803	Box Elder County			
804	Brigham City	4,300 ft.	<u>30</u>	<u>43</u>
805	<u>Tremonton</u>	4,290 ft.	<u>30</u>	<u>43</u>
806	Cache County			
807	<u>Logan</u>	4,530 ft.	<u>35</u>	<u>50</u>
808	Smithfield	4,595 ft.	<u>35</u>	<u>50</u>
809	Carbon County			
810	<u>Price</u>	<u>5,550 ft.</u>	<u>30</u>	<u>43</u>
811	Daggett County			
812	<u>Manila</u>	<u>5,377 ft.</u>	<u>30</u>	<u>43</u>
813	Davis County			
814	Bountiful	4,300 ft.	<u>30</u>	<u>43</u>
815	<u>Farmington</u>	4,270 ft.	<u>30</u>	<u>43</u>
816	<u>Layton</u>	<u>4,400 ft.</u>	<u>30</u>	<u>43</u>
817	Fruit Heights	4,500 ft.	<u>40</u>	<u>57</u>
818	<u>Duchesne County</u>			
819	<u>Duchesne</u>	<u>5,510 ft.</u>	<u>30</u>	<u>43</u>
820	Roosevelt	5,104 ft.	<u>30</u>	<u>43</u>
821	Emery County			
822	<u>Castledale</u>	<u>5,660 ft.</u>	<u>30</u>	<u>43</u>

823	Green River	4,070 ft.	<u>25</u>	<u>36</u>
824	Garfield County			
825	<u>Panguitch</u>	<u>6,600 ft.</u>	<u>30</u>	<u>43</u>
826	Grand County			
827	<u>Moab</u>	3,965 ft.	<u>25</u>	<u>36</u>
828	Iron County			
829	Cedar City	<u>5,831 ft.</u>	<u>30</u>	<u>43</u>
830	Juab County			
831	<u>Nephi</u>	5,130 ft.	<u>30</u>	<u>43</u>
832	Kane County			
833	<u>Kanab</u>	5,000 ft.	<u>25</u>	<u>36</u>
834	Millard County			
835	<u>Fillmore</u>	<u>5,000 ft.</u>	<u>30</u>	<u>43</u>
836	<u>Delta</u>	4,623 ft.	<u>30</u>	<u>43</u>
837	Morgan County			
838	<u>Morgan</u>	<u>5,064 ft.</u>	<u>40</u>	<u>57</u>
839	Piute County			
840	<u>Piute</u>	<u>5,996 ft.</u>	<u>30</u>	<u>43</u>
841	Rich County			
842	<u>Woodruff</u>	6,315 ft.	<u>40</u>	<u>57</u>
843	Salt Lake County			
844	<u>Murray</u>	4,325 ft.	<u>30</u>	<u>43</u>
845	Salt Lake City	4,300 ft.	<u>30</u>	<u>43</u>
846	<u>Sandy</u>	<u>4,500 ft.</u>	<u>30</u>	<u>43</u>
847	West Jordan	4,375 ft.	<u>30</u>	<u>43</u>
848	West Valley	4,250 ft.	<u>30</u>	<u>43</u>
849	San Juan County			
850	Blanding	<u>6,200 ft.</u>	<u>30</u>	<u>43</u>

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851	<u>Monticello</u>	<u>6,820 ft.</u>	<u>35</u>	<u>50</u>
852	Sanpete County			
853	<u>Fairview</u>	6,750 ft.	<u>35</u>	<u>50</u>
854	Mt. Pleasant	<u>5,900 ft.</u>	<u>30</u>	<u>43</u>
855	<u>Manti</u>	5,740 ft.	<u>30</u>	<u>43</u>
856	<u>Ephraim</u>	<u>5,540 ft.</u>	<u>30</u>	<u>43</u>
857	<u>Gunnison</u>	<u>5,145 ft.</u>	<u>30</u>	<u>43</u>
858	Sevier County			
859	<u>Salina</u>	<u>5,130 ft.</u>	<u>30</u>	<u>43</u>
860	Richfield	<u>5,270 ft.</u>	<u>30</u>	<u>43</u>
861	Summit County			
862	<u>Coalville</u>	<u>5,600 ft.</u>	<u>60</u>	<u>86</u>
863	<u>Kamas</u>	<u>6,500 ft.</u>	<u>70</u>	<u>100</u>
864	Park City	<u>6,800 ft.</u>	<u>100</u>	<u>142</u>
865	Park City	8,400 ft.	<u>162</u>	<u>231</u>
866	Summit Park	<u>7,200 ft.</u>	<u>90</u>	<u>128</u>
867	Tooele County			
868	<u>Tooele</u>	<u>5,100 ft.</u>	<u>30</u>	<u>43</u>
869	Uintah County			
870	<u>Vernal</u>	<u>5,280 ft.</u>	<u>30</u>	<u>43</u>
871	<u>Utah County</u>			
872	American Fork	4,500 ft.	<u>30</u>	<u>43</u>
873	<u>Orem</u>	4,650 ft.	<u>30</u>	<u>43</u>
874	Pleasant Grove	<u>5,000 ft.</u>	<u>30</u>	<u>43</u>
875	<u>Provo</u>	<u>5,000 ft.</u>	<u>30</u>	<u>43</u>
876	Spanish Fork	4,720 ft.	<u>30</u>	<u>43</u>
877	Wasatch County			
878	<u>Heber</u>	5,630 ft.	<u>60</u>	<u>86</u>

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879	Washington County			
880	<u>Central</u>	5,209 ft.	<u>25</u>	<u>36</u>
881	<u>Dameron</u>	4,550 ft.	<u>25</u>	<u>36</u>
882	<u>Leeds</u>	3,460 ft.	<u>20</u>	<u>29</u>
883	Rockville	3,700 ft.	<u>25</u>	<u>36</u>
884	Santa Clara	2,850 ft.	<u>15 (1)</u>	<u>21</u>
885	St. George	2,750 ft.	<u>15 (1)</u>	<u>21</u>
886	Wayne County			
887	<u>Loa</u>	7,080 ft.	<u>30</u>	<u>43</u>
888	<u>Hanksville</u>	4,308 ft.	<u>25</u>	<u>36</u>
889	Weber County			
890	North Ogden	4,500 ft.	<u>40</u>	<u>57</u>
891	<u>Ogden</u>	4,350 ft.	<u>30</u>	<u>43</u>
892	<u>NOTES</u>			
893	(1) The IRC requires a minimum	n live load - See	R301.6.	
894	(2) This table is informational or	nly in that actual	site elevations	may vary. Table is only valid
895	if site elevation is within 100 fee	t of the listed ele	evation."	
896	(8) IRC, Section R301.6.	is deleted and re	eplaced with th	e following: "R301.6 Utah
897	Snow Loads. The ground snow lo	oad, P _g , to be use	ed in the determ	nination of design snow loads
898	for buildings and other structures	shall be determ	ined by using the	he following formula: $P_g = (P_o^2)$
899	$+ S^2(A-A_0)^2)^{0.5}$ for A greater than	A_o , and $P_g = P_o$	for A less than	or equal to A _o .
900	WHERE:			
901	$\underline{P_g}$ = Ground snow load at a given	n elevation (psf);		
902	\underline{P}_{o} = Base ground snow load (psf) from Table No.	R301.2(5a);	
903	S = Change in ground snow load	with elevation (psf/100 ft.) Fro	om Table No. R301.2(5a);
904	\underline{A} = Elevation above sea level at	the site (ft./1,000	<u>));</u>	
905	\underline{A}_{o} = Base ground snow elevation	from Table R30)1.2(5a) (ft./1,0	<u>000).</u>

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

907	load, Pg, may be adjusted by the building official when a licensed engineer or architect submits
908	data substantiating the adjustments. A record of such action together with the substantiating
909	data shall be provided to the division for a permanent record.
910	The building official may also directly adopt roof snow loads in accordance with Table
911	R301.2(5b), provided the site is no more than 100 ft. higher than the listed elevation.
912	Where the minimum roof live load in accordance with Table R301.6 is greater than the design
913	roof snow load, such roof live load shall be used for design, however, it shall not be reduced to
914	a load lower than the design roof snow load. Drifting need not be considered for roof snow
915	loads less than 20 psf."
916	(9) In IRC, Section R302.2, the words "Exception: A" are deleted and replaced with
917	the following: "Exceptions: 1. A common 2-hour fire-resistance-rated wall is permitted for
918	townhouses if such walls do not contain plumbing or mechanical equipment, ducts or vents in
919	the cavity of the common wall. Electrical installation shall be installed in accordance with
920	Chapters 34 through 43. Penetrations of electrical outlet boxes shall be in accordance with
921	Section R302.4.
922	2. In buildings equipped with an automatic residential fire sprinkler system, a".
923	(10) In IRC, Section R302.2.4, a new exception 6 is added as follows: "6. Townhouses
924	separated by a common 2-hour fire-resistance-rated wall as provided in Section R302.2."
925	(11) IRC, Sections R311.7.4 through R311.7.4.3, are deleted and replaced with the
926	following: "R311.7.4 Stair treads and risers. R311.7.4.1 Riser height. The maximum riser
927	height shall be 8 inches (203 mm). The riser shall be measured vertically between leading
928	edges of the adjacent treads. The greatest riser height within any flight of stairs shall not
929	exceed the smallest by more than 3/8 inch (9.5 mm).
930	R311.7.4.2 Tread depth. The minimum tread depth shall be 9 inches (228 mm). The tread
931	depth shall be measured horizontally between the vertical planes of the foremost projection of
932	adjacent treads and at a right angle to the tread's leading edge. The greatest tread depth within
933	any flight of stairs shall not exceed the smallest by more than 3/8 inch (9.5 mm). Winder
934	treads shall have a minimum tread depth of 10 inches (254 mm) measured as above at a point

935	12 inches (305 mm) from the side where the treads are narrower. Winder treads shall have a
936	minimum tread depth of 6 inches (152 mm) at any point. Within any flight of stairs, the
937	greatest winder tread depth at the 12 inch (305 mm) walk line shall not exceed the smallest by
938	more than 3/8 inch (9.5 mm).
939	R311.7.4.3 Profile. The radius of curvature at the leading edge of the tread shall be no greater
940	than 9/16 inch (14.3 mm). A nosing not less than 3/4 inch (19 mm) but not more than 1 1/4
941	inches (32 mm) shall be provided on stairways with solid risers. The greatest nosing projection
942	shall not exceed the smallest nosing projection by more than 3/8 inches (9.5 mm) between two
943	stories, including the nosing at the level of floors and landings. Beveling of nosing shall not
944	exceed 1/2 inch (12.7 mm). Risers shall be vertical or sloped from the underside of the leading
945	edge of the tread above at an angle not more than 30 degrees (0.51 rad) from the vertical.
946	Open risers are permitted, provided that the opening between treads does not permit the
947	passage of a 4-inch diameter (102 mm) sphere.
948	Exceptions.
949	1. A nosing is not required where the tread depth is a minimum of 10 inches (254 mm).
950	2. The opening between adjacent treads is not limited on stairs with a total rise of 30 inches
951	(762 mm) or less."
952	(12) In IRC, Section R312.2, the words "adjacent fixed seating" are deleted.
953	(13) IRC, Section R313, is deleted.
954	(14) IRC, Section R315.1, is deleted and replaced with the following: "R315.1 Carbon
955	monoxide alarms. For new construction, a listed carbon monoxide alarm shall be installed on
956	each habitable level of dwelling units within which fuel-fired appliances are installed and in
957	dwelling units that have attached garages."
958	(15) IRC, Section R315.3, is deleted and replaced with the following: "R315.3 Alarm
959	requirements. Listed single- and multiple-station carbon monoxide alarms shall comply with
960	UL 2034 and shall be installed in accordance with the provision of this code and NFPA 720."
961	(16) In IRC, Section R403.1.6, a new Exception 4 is added as follows: "4. When
962	anchor bolt spacing does not exceed 32 inches (813 mm) apart, anchor bolts may be placed

963	with a minimum of two bolts per plate section located not less than 4 inches (102 mm) from				
964	each end of each plate section at interior bearing walls, interior braced wall lines and at all				
965	exterior walls."				
966	(17) In IRC, Section R403.1.6.1, a new exception is added at the end of Item 2 and				
967	Item 3 as follows: "Exception: When anchor bolt spacing does not exceed 32 inches (816 mm)				
968	apart, anchor bolts may be placed with a minimum of two bolts per plate section located not				
969	less than 4 inches (102 mm) from each end of each plate section at interior bearing walls,				
970	interior braced wall lines and at all exterior walls."				
971	(18) In IRC, Section R404.1, a new exception is added as follows: "Exception: As an				
972	alternative to complying with Sections R404.1 through R404.1.5.3, concrete and masonry				
973	foundation walls may be designed in accordance with IBC Sections 1807.1.5 and 1807.1.6 as				
974	amended in Section 1807.1.6.4 and Table 1807.1.6.4 under these rules."				
975	(19) IRC, Sections R612.2 through R612.4.2, are deleted.				
976	(20) IRC, Chapter 11, is deleted and replaced with Chapter 11 of the 2006				
977	International Residential Code and Chapter 4 of the 2006 International Energy Conservation				
978	Code.				
979	(21) IRC, Section M1411.6, is deleted.				
980	(22) In IRC, Section M1502.4.4.1, the words "25 feet (7620 mm)" are deleted and				
981	replaced with "35 feet (10668 mm)".				
982	(23) A new IRC, Section G2401.2, is added as follows: "G2401.2 Meter Protection.				
983	Fuel gas services shall be in an approved location and/or provided with structures designed to				
984	protect the fuel gas meter and surrounding piping from physical damage, including falling,				
985	moving, or migrating ice and snow. If an added structure is used, it must provide access for				
986	service and comply with the IBC or the IRC."				
987	(24) A new IRC, Section P2602.3, is added as follows: "P2602.3 Individual water				
988	supply. Where a potable public water supply is not available, individual sources of potable				
989	water supply shall be utilized provided that the source has been developed in accordance with				
990	Utah Code, Sections 73-3-1 and 73-3-25, as administered by the Department of Natural				

992	the local health department	having jurisdiction "				
002		the local health department having jurisdiction."				
993	(25) A new IRC, Section P2602.4, is added as follows: "P2602.4 Sewer required.					
994	Every building in which plumbing fixtures are installed and all premises having drainage					
995	piping shall be connected to a public sewer where the sewer is within 300 feet of the property					
996	line in accordance with Utah Code, Section 10-8-38; or an approved private sewage disposal					
997	system in accordance with Utah Administrative Code, Chapter 4, Rule R317, as administered					
998	by the Department of Environmental Quality, Division of Water Quality."					
999	(26) In IRC, Section P2801.7, the word "townhouses" is deleted.					
1000	(27) A new IRC, Section P2902.1.1, is added as follows: "P2902.1.1 Backflow					
1001	assembly testing. The premise owner or his designee shall have backflow prevention					
1002	assemblies operation tested at the time of installation, repair, and relocation and at least on an					
1003	annual basis thereafter, or more frequently as required by the authority having jurisdiction.					
1004	Testing shall be performed by a Certified Backflow Preventer Assembly Tester. The					
1005	assemblies that are subject to this paragraph are the Spill Resistant Vacuum Breaker, the					
1006	Pressure Vacuum Breaker Assembly, the Double Check Backflow Prevention Assembly, the					
1007	Double Check Detector Assembly Backflow Preventer, the Reduced Pressure Principle					
1008	Backflow Preventer, and Reduced Pressure Detector Assembly."					
1009	(28) IRC, Table P2902.3, is deleted and replaced with the following:					
1010	"TABLE P2902.3					
1011	General Methods of Protection					
1012	Assembly	<u>Degree</u>	<u>Application</u>	Installation Criteria		
1013	(applicable	<u>of</u>				
1014	standard)	<u>Hazard</u>				
1015	Reduced	<u>High or</u>	Backpressure or	a. The bottom of each		
1016	<u>Pressure</u>	Low	<u>Backsiphonage</u>	RP assembly shall		
1017	Principle Backflow		<u>1/2" - 16"</u>	be a minimum of 12		
1018	Preventer (AWWA			inches above the		

1019	C511, USC-FCCCHR,			ground or floor.
1020	<u>ASSE 1013</u>			b. RP assemblies shall
1021	CSA CNA/CSA-B64.4)			NOT be installed in
1022	and Reduced Pressure			a pit.
1023	Detector Assembly			c. The relief valve on
1024	(ASSE 1047, USC-			each RP assembly
1025	FCCCHR)			shall not be
1026				directly connected
1027				to any waste
1028				disposal line,
1029				including sanitary
1030				sewer, storm drains,
1031				or vents.
1032				d. The assembly shall
1033				be installed in a
1034				horizontal position
1035				only unless listed
1036				or approved for
1037				vertical installation.
1038	Double Check	Low	Backpressure or	<u>a. If</u>
1039	installed in a			
1040	<u>Backflow</u>		Backsiphonage	pit, the DC assembly
1041	<u>Prevention</u>		<u>1/2" - 16"</u>	shall be installed
1042	Assembly			with a minimum of
1043	(AWWA C510,			12 inches of
1044	<u>USC-FCCCHR,</u>			clearance between
1045	ASSE 1015)			all sides of the
1046	Double Check			<u>vault</u>

1047	including			
1048	Detector Assembly			the floor and roof
1049	Backflow Preventer			or ceiling with
1050	(ASSE 1048,			adequate room for
1051	<u>USC-FCCCHR)</u>			testing and
1052				maintenance.
1053				b. Shall be installed
1054				in a horizontal
1055				position unless
1056				listed or approved
1057				for vertical
1058				installation.
1059	<u>Pressure</u>	High or	Backsiphonage	a. Shall not be
1060	<u>Vacuum</u>	Low	<u>1/2" - 2"</u>	installed in an
1061	<u>Breaker</u>			area that could be
1061 1062	Breaker Assembly			area that could be subjected to
1062	Assembly			subjected to
1062 1063	Assembly (ASSE 1020,			subjected to backpressure or
1062 1063 1064	Assembly (ASSE 1020,			subjected to backpressure or back drainage
1062 1063 1064 1065	Assembly (ASSE 1020,			subjected to backpressure or back drainage conditions.
1062 1063 1064 1065 1066	Assembly (ASSE 1020,			subjected to backpressure or back drainage conditions. b. Shall be installed
1062 1063 1064 1065 1066 1067	Assembly (ASSE 1020,			subjected to backpressure or back drainage conditions. b. Shall be installed a minimum of 12
1062 1063 1064 1065 1066 1067 1068	Assembly (ASSE 1020,			subjected to backpressure or back drainage conditions. b. Shall be installed a minimum of 12 inches above all
1062 1063 1064 1065 1066 1067 1068 1069	Assembly (ASSE 1020,			subjected to backpressure or back drainage conditions. b. Shall be installed a minimum of 12 inches above all downstream piping
1062 1063 1064 1065 1066 1067 1068 1069	Assembly (ASSE 1020,			subjected to backpressure or back drainage conditions. b. Shall be installed a minimum of 12 inches above all downstream piping and the highest
1062 1063 1064 1065 1066 1067 1068 1069 1070	Assembly (ASSE 1020,			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.

1075				vault or pit.
1076				d. Shall be installed
1077				in a vertical position
1078				only.
1079	<u>Spill</u>	High or	<u>Backsiphonage</u>	a. Shall not be
1080	Resistant	Low	<u>1/4" - 2"</u>	installed in an
1081	<u>Vacuum</u>			area that could
1082	<u>Breaker</u>			be subjected to
1083	(ASSE 1056,			backpressure or
1084	<u>USC-FCCCHR)</u>			back drainage
1085				conditions.
1086				b. Shall be installed
1087				a minimum of 12
1088				inches above all
1089				downstream piping
1090				and the highest
1091				point of use.
1092				c. Shall not be
1093				installed below
1094				ground or in a
1095				vault or pit.
1096				d. Shall be installed
1097				in a vertical position
1098				only.
1099	<u>General</u>			The assembly owner,
1100	<u>Installation</u>			when necessary,
1101	<u>Criteria</u>			shall provide devices
1102				or structures to

1103		facilitate testing,
1104		<u>repair,</u>
1105	and/or	<u>maintenance</u>
1106	<u>and</u>	
1107		to ensure the safety of
1108		the backflow
1109		technician.
1110		Assemblies shall not
1111		be installed more than
1112		five feet off the floor
1113		unless a permanent
1114		platform is installed.
1115		The body of the
1116		assembly shall not be
1117		closer than 12 inches
1118		to any wall, ceiling or
1119		encumbrance, and
1120		shall be accessible for
1121		testing, repair and/or
1122		maintenance.
1123		In cold climates,
1124		assemblies shall be
1125		protected from
1126		freezing by a means
1127		acceptable to the code
1128		official.
1129		Assemblies shall be
1130		maintained as an intact

1131				assembly."		
1132	(29) IRC, Table 290	2.3a, is added a	as follows:			
1133	<u>"TABLE 2902.3a</u>					
1134	<u>Sp</u>	ecialty Backflo	w Devices for low hazard u	ise only		
1135	<u>Device</u>	Degree of	<u>Application</u>	<u>Applicable</u>		
1136		<u>Hazard</u>		<u>Standard</u>		
1137	Air Gap	High or	Backsiphonage	See Table P2902.3.1		
1138		Low		<u>ASME A112.1.2</u>		
1139	Antisiphon-type	Low	Backsiphonage	<u>ASSE 1002</u>		
1140	Water Closet Flush			CSA CAN/		
1141	Tank Ball Cock			<u>CSA-B125</u>		
1142	<u>Atmospheric</u>	High or	Backsiphonage	<u>ASSE 1001</u>		
1143	<u>Vacuum</u>	Low	a. Shall not be			
1144	<u>USC-FCCCHR</u> ,					
1145	<u>Breaker</u>		installed in an	<u>CSA</u>		
1146			area that could be	<u>CAN/CSA-B64.1.1</u>		
1147			subjected to			
1148			backpressure or back			
1149			drainage conditions.			
1150			b. Shall not be installed			
1151			where it may be subjected	<u>1</u>		
1152			to continuous pressure			
1153			for more than 12 consecut	<u>tive</u>		
1154			hours at any time.			
1155			c. Shall be installed a			
1156			minimum of six inches ab	oove		
1157			all downstream piping and	<u>d</u>		
1158			the highest point of use.			

1159			d. Shall be installed on the	<u>ne</u>
1160			discharge (downstream)	<u>side</u>
1161			of any valves.	
1162			e. The AVB shall be inst	alled_
1163			in a vertical position only	<u>y.</u>
1164	<u>Dual check valve</u>	Low	<u>Backsiphonage</u>	ASSE 1024
1165	Backflow Preventer		or Backpressure	
1166			<u>1/4" - 1"</u>	
1167	Backflow Preventer	Low	<u>Backsiphonage</u>	ASSE 1012
1168	with Intermediate	Residential	or Backpressure	CSA CAN/
1169	Atmospheric Vent	<u>Boiler</u>	1/4" - 3/4"	CSA-B64.3
1170	<u>Dual check valve</u>	Low	<u>Backsiphonage</u>	ASSE 1022
1171	type Backflow		or Backpressure	
1172	Preventer for		1/4" - 3/8"	
1173	Carbonated Beverage			
1174	Dispensers/Post			
1175	Mix Type			
1176	Hose-connection	Low	<u>Backsiphonage</u>	ASSE 1011
1177	Vacuum Breaker		1/2", 3/4", 1"	CSA CAN/
1178				CSA-B64.2
1179	Vacuum Breaker	Low	<u>Backsiphonage</u>	ASSE 1019
1180	Wall Hydrants,		<u>3/4", 1"</u>	CSA CAN/
1181	Frost-resistant,			CSA-B64.2.2
1182	Automatic Draining			
1183	<u>Type</u>			
1184	<u>Laboratory Faucet</u>	Low	<u>Backsiphonage</u>	ASSE 1035
1185	Backflow Preventer			CSA CAN/
1186				CSA-B64.7

1187	Hose Connection	Low	Backsiphonage	ASSE 1052	
1188	Backflow Preventer		<u>1/2" - 1"</u>		
1189	Installation Guidelines: The	above specialty	y devices shall be installed	in accordance with their	
1190	listing and the manufacturer	's instructions a	and the specific provisions	of this chapter."	
1191	(30) In IRC, Section	P3103.6, the f	ollowing sentence is added	at the end of the	
1192	paragraph: "Vents extending	g through the w	all shall terminate not less t	than 12 inches from the	
1193	wall with an elbow pointing	downward."			
1194	(31) In IRC, Section	P3104.4, the f	ollowing sentence is added	at the end of the	
1195	paragraph: "Horizontal dry	vents below the	flood level rim shall be per	rmitted for floor drain	
1196	and floor sink installations v	vhen installed b	pelow grade in accordance v	with Chapter 30, and	
1197	Sections P3104.2 and P3104	4.3. A wall clea	nout shall be provided in th	e vertical vent."	
1198	(32) In IRC, Section	E3902.11, the	following words are delete	d: "family rooms, dining	
1199	rooms, living rooms, parlors	s, libraries, dens	s, sunrooms, recreation room	ms, closets, hallways,	
1200	and similar rooms or areas".				
1201	(33) IRC, Chapter 4	4, is amended b	by adding the following references	erence standard:	
1202	<u>"Standard</u>				
1203	<u>reference</u>			Referenced in code	
1204	<u>number</u>	<u>Title</u>		Section number	
1205	<u>USC-</u>	Foundation for	or Cross-Connection	<u>Table P2902.3</u>	
1206	<u>FCCCHR</u>	Control and I	Hydraulic Research		
1207	<u>9th</u>	University of	Southern California		
1208	<u>Edition</u>	Kaprielian H	<u>all 300</u>		
1209	<u>Manual</u>	Los Angeles	CA 90089-2531		
1210	of Cross				
1211	Connection				
1212	Control"				
1213	(34) In IRC, Chapte	r 44, the follow	ring standard is added under	r NFPA as follows:	
1214	<u>"Standard</u>				

1215 reference Referenced in code 1216 number Title section number 1217 720-09 Standard for the Installation R315.3 1218 of Carbon Monoxide (CO) Detection 1219 and Warning Equipment" 1220 (35) IRC, Appendix O, Gray Water Recycling Systems, is deleted and replaced with 1221 Appendix C of the International Plumbing Code as amended by the State Construction Code. 1222 Section 203. Statewide Amendments to the IPC. 1223 The following are adopted as amendments to the IPC to be applicable statewide: 1224 (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 1225 1226 printed volume." 1227 (2) In IPC, Section 202, the definition for "Backflow Backpressure, Low Head" is 1228 deleted. 1229 (3) In IPC, Section 202, the following definition is added: "Certified Backflow 1230 Preventer Assembly Tester. A person who has shown competence to test Backflow prevention 1231 assemblies to the satisfaction of the authority having jurisdiction under Utah Code, Subsection 1232 19-4-104(4)." (4) In IPC, Section 202, the definition for "Cross Connection" is deleted and replaced 1233 with the following: "Cross Connection. Any physical connection or potential connection or 1234 1235 arrangement between two otherwise separate piping systems, one of which contains potable 1236 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 1237 1238 flow depending on the pressure differential between the two systems (see "Backflow")." (5) In IPC, Section 202, the definition for "Potable Water" is deleted and replaced with 1239 1240 the following: "Potable Water. Water free from impurities present in amounts sufficient to 1241 cause disease or harmful physiological effects and conforming to the Utah Code, Title 19, 1242 Chapters 4 and 5, and the regulations of the public health authority having jurisdiction."

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1243	(6) In IPC, Table 303.4, the item listed as "Backflow prevention devises" is modified
1244	as follows:
1245	(a) in the Third-Party Certified field, after the word "Required" add "See footnote 1";
1246	(b) in the Third-Party Tested field the following is added: "Required see footnote 1";
1247	<u>and</u>
1248	(c) a new footnote 1 is added as follows: "1. Third party certification will consist of
1249	any combination of two certifications, laboratory or field. Acceptable third party laboratory
1250	certifying agencies are ASSE, IAPMO, and USC-FCCCHR. USC-FCCCHR currently provides
1251	the only field testing of backflow protection assemblies. Also see www.drinkingwater.utah.gov
1252	and Division of Drinking Water Rule, Utah Administrative Code, R309-305-6."
1253	(7) IPC, Section 304.3, Meter Boxes, is deleted.
1254	(8) IPC, Section 311.1, is deleted.
1255	(9) IPC, Sections 312.10 through 312.10.2, are deleted and replaced with the
1256	following: "312.10 Backflow assembly testing. The premise owner or his designee shall have
1257	backflow prevention assemblies operation tested at the time of installation, repair, and
1258	relocation and at least on an annual basis thereafter, or more frequently as required by the
1259	authority having jurisdiction. Testing shall be performed by a Certified Backflow Preventer
1260	Assembly Tester. The assemblies that are subject to this paragraph are the Spill Resistant
1261	Vacuum Breaker, the Pressure Vacuum Breaker Assembly, the Double Check Backflow
1262	Prevention Assembly, the Double Check Detector Assembly Backflow Preventer, the Reduced
1263	Pressure Principle Backflow Preventer, and Reduced Pressure Detector Assembly."
1264	(10) In IPC, Section 403.1, a new footnote g is added as follows: "FOOTNOTE: g.
1265	When provided, in public toilet facilities there shall be an equal number of diaper changing
1266	facilities in male toilet rooms and female toilet rooms."
1267	(11) A new IPC, Section 406.4, is added as follows: "406.4 Automatic clothes washer
1268	safe pans. Safe pans, when installed under automatic clothes washers, shall be installed in
1269	accordance with Section 504.7."
1270	(12) A new IDC Section 412.5 is added as follows: "412.5 Public toilet rooms. All

1271	public toilet rooms shall be equipped with at least one floor drain."
1272	(13) In IPC, Section 504.7.2, the following is added at the end of the section: "When
1273	permitted by the code official, the pan drain may be directly connected to a soil stack, waste
1274	stack, or branch drain. The pan drain shall be individually trapped and vented as required in
1275	Section 907.1. The pan drain shall not be directly or indirectly connected to any vent. The trap
1276	shall be provided with a trap primer conforming to ASSE 1018 or ASSE 1044."
1277	(14) A new IPC, Section 504.7.3, is added as follows: "504.7.3 Pan Designation. A
1278	water heater pan shall be considered an emergency receptor designated to receive the
1279	discharge of water from the water heater only and shall not receive the discharge from any
1280	other fixtures, devises or equipment."
1281	(15) IPC, Section 602.3, is deleted and replaced with the following: "602.3 Individual
1282	water supply. Where a potable public water supply is not available, individual sources of
1283	potable water supply shall be utilized provided that the source has been developed in
1284	accordance with Utah Code, Sections 73-3-1, 73-3-3, and 73-3-25, as administered by the
1285	Department of Natural Resources, Division of Water Rights. In addition, the quality of the
1286	water shall be approved by the local health department having jurisdiction. The source shall
1287	supply sufficient quantity of water to comply with the requirements of this chapter."
1288	(16) IPC, Sections 602.3.1, 602.3.2, 602.3.3, 602.3.4, 602.3.5, and 602.3.5.1, are
1289	<u>deleted.</u>
1290	(17) A new IPC, Section 604.4.1, is added as follows: "604.4.1 Manually operated
1291	metering faucets. Self closing or manually operated metering faucets shall provide a flow of
1292	water for at least 15 seconds without the need to reactivate the faucet."
1293	(18) IPC, Section 606.5, is deleted and replaced with the following: "606.5 Water
1294	pressure booster systems. Water pressure booster systems shall be provided as required by
1295	Section 606.5.1 through 606.5.11."
1296	(19) A new IPC, Section 606.5.11, is added as follows: "606.5.11 Prohibited
1297	installation. In no case shall a booster pump be allowed that will lower the pressure in the
1298	public main to less than 20 psi."

1299	(20) IPC, Ta	able 608.1, is	deleted and replaced with the f	ollowing:			
1300	<u>"TABLE 608.1</u>						
1301	General Methods of Protection						
1302	<u>Assembly</u>	<u>Degree</u>	<u>Application</u>	Installation Criteria			
1303	(applicable	<u>of</u>					
1304	standard)	<u>Hazard</u>					
1305	Reduced	High or	Backpressure or	a. The bottom of each			
1306	<u>Pressure</u>	Low	<u>Backsiphonage</u>	RP assembly shall			
1307	Principle Backflow		<u>1/2" - 16"</u>	be a minimum of 12			
1308	Preventer (AWWA			inches above the			
1309	C511, USC-FCCCH	<u>łR,</u>		ground or floor.			
1310	ASSE 1013			b. RP assemblies shall			
1311	CSA CNA/CSA-B6	54.4)		NOT be installed in			
1312	and Reduced Pressu	<u>ıre</u>		a pit.			
1313	Detector Assembly			c. The relief valve on			
1314	(ASSE 1047, USC-			each RP assembly			
1315	FCCCHR)			shall not be directly			
1316				connected to any waste			
1317				disposal line, including			
1318				sanitary sewer, storm rains,			
1319				or vents.			
1320				d. The assembly shall be			
1321				installed in a horizontal			
1322				position only unless listed			
1323				or approved for vertical			
1324				installation.			
1325	Double Check	Low	Backpressure or	a. If installed in a			
1326	pit,						

1327	<u>Backflow</u>		<u>Backsiphonage</u>	the DC assembly
1328	<u>Prevention</u>		<u>1/2" - 16"</u>	shall be installed
1329	<u>Assembly</u>			with a minimum of
1330	(AWWA C510,			12 inches of
1331	USC-FCCCHR,			clearance between
1332	ASSE 1015)			all sides of the
1333	Double Check			vault including the
1334	Detector Assembly			floor and roof or
1335	Backflow Preventer			ceiling with adequate
1336	(ASSE 1048,			room for testing and
1337	<u>USC-FCCCHR</u>)			maintenance.
1338				b. Shall be installed in a
1339				horizontal position unless
1340				listed or approved for
1341				vertical installation.
1342	<u>Pressure</u>	High or	<u>Backsiphonage</u>	a. Shall not be installed
1343	<u>Vacuum</u>	Low	<u>1/2" - 2"</u>	in an area that could be
1344	<u>Breaker</u>			subjected to
1345	<u>Assembly</u>			backpressure or
1346	(ASSE 1020,			back drainage
1347	<u>USC-FCCCHR)</u>			conditions.
1348				b. Shall be installed a
1349				minimum of 12 inches
1350				above all downstream
1351				piping and the highest
1352	<u>point</u>			of use.
1353				c. Shall not be installed
1354				below ground or in a vault

1355				or pit.
1356				d. Shall be installed in a
1357				vertical position only.
1358	<u>Spill</u>	High or	<u>Backsiphonage</u>	a. Shall not be
1359	<u>Resistant</u>	Low	<u>1/4" - 2"</u>	installed in an
1360	<u>Vacuum</u>			area that could
1361	<u>Breaker</u>			be subjected to
1362	(ASSE 1056,			backpressure or
1363	<u>USC-FCCCHR)</u>			back drainage
1364				conditions.
1365				b. Shall be installed a
1366				minimum of 12 inches
1367				above all downstream
1368				piping and the highest
1369	<u>point</u>			of use.
1370				c. Shall not be installed
1371				below ground or in a vault
1372				or pit.
1373				d. Shall be installed in a
1374				vertical position only.
1375	<u>General</u>			The assembly owner,
1376	<u>Installation</u>			when necessary, shall
1377	<u>Criteria</u>			provide devices or
1378				structures to facilitate
1379				testing, repair, and/or
1380				maintenance and to ensure
1381				the safety of the backflow
1382				technician.

1383				Assemblies shall not be
1384				installed more than five
1385	<u>feet</u>			off the floor unless a
1386				permanent platform is
1387				installed.
1388				The body of the assembly
1389				shall not be closer than 12
1390				inches, to any wall, ceiling
1391				or encumbrance, and shall
1392				be accessible for testing,
1393				repair and/or maintenance.
1394				In cold climates,
1395	<u>assemblies</u>			
1396				shall be protected from
1397				freezing by a means
1398				acceptable to the code
1399				official.
1400				Assemblies shall be
1401				maintained as an intact
1402				assembly."
1403	(21) IPC, Table 608	.1.1, is added a	s follows:	
1404			"TABLE 608.1.1	
1405	<u>Sp</u>	ecialty Backflo	w Devices for low haz	ard use only
1406	<u>Device</u>	Degree of	<u>Application</u>	<u>Applicable</u>
1407		<u>Hazard</u>		<u>Standard</u>
1408				
1409	Air Gap	High or	Backsiphonage	See Table 608.15.1
1410		Low		ASME A112.1.2

1411	Antisiphon-type	Low	<u>Backsiphonage</u>	<u>ASSE 1002</u>
1412	Water Closet Flush			CSA CAN/
1413	Tank Ball Cock			<u>CSA-B125</u>
1414	<u>Atmospheric</u>	High or	Backsiphonage	<u>ASSE 1001</u>
1415	<u>Vacuum</u>	Low	a. Shall not be	
1416	<u>USC-FCCCHR</u> ,			
1417	<u>Breaker</u>		installed in an	<u>CSA</u>
1418			area that could be	<u>CAN/CSA-B64.1.1</u>
1419			subjected to	
1420			backpressure or back	
1421			drainage conditions.	
1422			b. Shall not be installed	
1423			where it may be subjected	
1424			to continuous pressure	
1425			for more than 12 consecutive	2
1426			hours at any time.	
1427			c. Shall be installed a	
1428			minimum of six inches	
1429			above all downstream piping	
1430			and the highest point of use.	
1431			d. Shall be installed on the	
1432			discharge (downstream) side	
1433			of any valves.	
1434			e. The AVB shall be installed	<u>d</u> _
1435			in a vertical position only.	
1436	<u>Dual check valve</u>	Low	Backsiphonage	ASSE 1024
1437	Backflow Preventer		or Backpressure	
1438			<u>1/4" - 1"</u>	

Backflow Preventer	Low	<u>Backsiphonage</u>	<u>ASSE 1012</u>	
with Intermediate	Residential	or Backpressure	CSA CAN/	
Atmospheric Vent	<u>Boiler</u>	1/4" - 3/4"	<u>CSA-B64.3</u>	
<u>Dual check valve</u>	Low	Backsiphonage	ASSE 1022	
type Backflow		or Backpressure		
Preventer for		<u>1/4" - 3/8"</u>		
Carbonated Beverage				
Dispensers/Post				
Mix Type				
Hose-connection	Low	Backsiphonage	<u>ASSE 1011</u>	
Vacuum Breaker		1/2", 3/4", 1"	CSA CAN/	
			<u>CSA-B64.2</u>	
Vacuum Breaker	Low	Backsiphonage	ASSE 1019	
Wall Hydrants,		<u>3/4", 1"</u>	CSA CAN/	
Frost-resistant,			<u>CSA-B64.2.2</u>	
Automatic Draining				
<u>Type</u>				
<u>Laboratory Faucet</u>	Low	<u>Backsiphonage</u>	<u>ASSE 1035</u>	
Backflow Preventer			CSA CAN/	
			CSA-B64.7	
Hose Connection	Low	<u>Backsiphonage</u>	<u>ASSE 1052</u>	
Backflow Preventer		<u>1/2" - 1"</u>		
Installation Guidelines: The	above specialty	devices shall be installed in a	accordance with their	
listing and the manufacturer's instructions and the specific provisions of this chapter."				
(22) In IPC, Section 608.6, the following sentence is added at the end of the			end of the	
paragraph: "Any connection between potable water piping and sewer-connected waste shall be			nected waste shall be	
protected by an air gap."				
(23) IPC, Section 60	8.7, is deleted.			
	Atmospheric Vent Dual check valve type Backflow Preventer for Carbonated Beverage Dispensers/Post Mix Type Hose-connection Vacuum Breaker Vacuum Breaker Vall Hydrants, Frost-resistant, Automatic Draining Type Laboratory Faucet Backflow Preventer Hose Connection Backflow Preventer Installation Guidelines: The listing and the manufacturer (22) In IPC, Section paragraph: "Any connection protected by an air gap."	with Intermediate Atmospheric Vent Dual check valve type Backflow Preventer for Carbonated Beverage Dispensers/Post Mix Type Hose-connection Vacuum Breaker Vacuum Breaker Vacuum Breaker Low Wall Hydrants, Frost-resistant, Automatic Draining Type Laboratory Faucet Laboratory Faucet Backflow Preventer Hose Connection Hose Connection Low Backflow Preventer Installation Guidelines: The above specialty listing and the manufacturer's instructions at (22) In IPC, Section 608.6, the follow paragraph: "Any connection between potable protected by an air gap."	with Intermediate Atmospheric Vent Boiler I/4" - 3/4" Dual check valve Low Backsiphonage type Backflow Preventer for I/4" - 3/8" Carbonated Beverage Dispensers/Post Mix Type Hose-connection Low Backsiphonage Vacuum Breaker Low Backsiphonage Wall Hydrants, Frost-resistant, Automatic Draining Type Laboratory Faucet Backflow Preventer Hose Connection Low Backsiphonage Backsiphonage Backflow Preventer Hose Connection Low Backsiphonage Backsiphonage Backsiphonage Backsiphonage Backflow Preventer Hose Connection Low Backsiphonage Backsiphonage Backflow Preventer Hose Connection Low Backsiphonage Backsiphonage Backflow Preventer Hose Connection Low Backsiphonage Backflow Preventer Hose Connection Backflow Preventer Hose Connection Backflow Preventer Hose Connection Backsiphonage	

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1467	(24) In IPC, Section 608.11, the following sentence is added at the end of the
1468	paragraph: "The coating and installation shall conform to NSF Standard 61 and application of
1469	the coating shall comply with the manufacturer's instructions."
1470	(25) IPC, Section 608.13.3, is deleted and replaced with the following: "608.13.3
1471	Backflow preventer with intermediate atmospheric vent. Backflow preventers with
1472	intermediate atmospheric vents shall conform to ASSE 1012 or CAS CAN/CAS-B64.3. These
1473	devices shall be permitted to be installed on residential boilers only, without chemical
1474	treatment, where subject to continuous pressure conditions. The relief opening shall discharge
1475	by air gap and shall be prevented from being submerged."
1476	(26) IPC, Section 608.13.4, is deleted.
1477	(27) IPC, Section 608.13.9, is deleted.
1478	(28) IPC, Section 608.15.3, is deleted and replaced with the following: "608.15.3
1479	Protection by a backflow preventer with intermediate atmospheric vent. Connections to
1480	residential boilers only, without chemical treatment, shall be protected by a backflow preventer
1481	with an intermediate atmospheric vent."
1482	(29) IPC, Section 608.15.4, is deleted and replaced with the following: "608.15.4
1483	Protection by a vacuum breaker. Openings and outlets shall be protected by atmospheric-type
1484	or pressure-type vacuum breakers. The critical level of the atmospheric vacuum breaker shall
1485	be set a minimum of 6 inches (152 mm) above the flood level rim of the fixture or device. The
1486	critical level of the pressure vacuum breaker shall be set a minimum of 12 inches (304 mm)
1487	above the flood level rim of the fixture or device. Fill valves shall be set in accordance with
1488	Section 425.3.1. Vacuum breakers shall not be installed under exhaust hoods or similar
1489	locations that will contain toxic fumes or vapors. Pipe-applied vacuum breakers shall be
1490	installed not less than 6 inches (152 mm) above the flood level rim of the fixture, receptor, or
1491	device served. No valves shall be installed downstream of the atmospheric vacuum breaker."
1492	(30) In IPC, Section 608.15.4.2, the following is added after the first sentence:
1493	"Add-on-backflow prevention devices shall be non-removable. In climates where freezing
1494	temperatures occur, a listed self-draining frost proof hose bibb with an integral backflow

1495	preventer shall be used."
1496	(31) In IPC, Section 608.16.2, the first sentence of the paragraph is deleted and
1497	replaced as follows: "608.16.2 Connections to boilers. The potable water supply to the
1498	residential boiler only, without chemical treatment, shall be equipped with a backflow
1499	preventer with an intermediate atmospheric vent complying with ASSE 1012 or CSA
1500	<u>CAN/CSA B64.3."</u>
1501	(32) IPC, Section 608.16.3, is deleted and replaced with the following: "608.16.3 Heat
1502	exchangers. Heat exchangers shall be separated from potable water by double-wall
1503	construction. An air gap open to the atmosphere shall be provided between the two walls.
1504	Exceptions:
1505	1. Single wall heat exchangers shall be permitted when all of the following conditions are met:
1506	a. It utilizes a heat transfer medium of potable water or contains only substances which are
1507	recognized as safe by the United States Food and Drug Administration (FDA);
1508	b. The pressure of the heat transfer medium is maintained less than the normal minimum
1509	operating pressure of the potable water system; and
1510	c. The equipment is permanently labeled to indicate only additives recognized as safe by the
1511	FDA shall be used.
1512	2. Steam systems that comply with paragraph 1 above.
1513	3. Approved listed electrical drinking water coolers."
1514	(33) In IPC, Section 608.16.4.1, a new exception is added as follows: "Exception: All
1515	class 1 and 2 systems containing chemical additives consisting of strictly glycerine (C.P. or
1516	U.S.P. 96.5 percent grade) or propylene glycol shall be protected against backflow with a
1517	double check valve assembly. Such systems shall include written certification of the chemical
1518	additives at the time of original installation and service or maintenance."
1519	(34) IPC, Section 608.16.7, is deleted and replaced with the following: "608.16.7
1520	Chemical dispensers. Where chemical dispensers connect to the water distribution system, the
1521	water supply system shall be protected against backflow in accordance with Section 608.13.1,
1522	Section 608.13.2, Section 608.13.5, Section 608.13.6 or Section 608.13.8."

1523	(35) IPC, Section 608.16.8, is deleted and replaced with the following: "608.16.8
1524	Portable cleaning equipment. Where the portable cleaning equipment connects to the water
1525	distribution system, the water supply system shall be protected against backflow in accordance
1526	with Section 608.13.1, Section 608.13.2 or Section 608.13.8."
1527	(36) A new IPC, Section 608.16.11, is added as follows: "608.16.11 Automatic and
1528	coin operated car washes. The water supply to an automatic or coin operated car wash shall be
1529	protected in accordance with Section 608.13.1 or Section 608.13.2."
1530	(37) IPC, Section 608.17, is deleted.
1531	(38) IPC, Section 701.2, is deleted and replaced with the following: "701.2 Sewer
1532	required. Every building in which plumbing fixtures are installed and all premises having
1533	drainage piping shall be connected to a public sewer where the sewer is within 300 feet of the
1534	property line in accordance with Utah Code, Section 10-8-38; or an approved private sewage
1535	disposal system in accordance with Utah Administrative Code, Rule R317-4, as administered
1536	by the Department of Environmental Quality, Division of Water Quality."
1537	(39) IPC, Section 901.3, is deleted and replaced with the following: "901.3 Chemical
1538	waste vent system. The vent system for a chemical waste system shall be independent of the
1539	sanitary vent system and shall terminate separately through the roof to the open air or to an air
1540	admittance valve provided at least one chemical waste vent in the system terminates separately
1541	through the roof to the open air."
1542	(40) In IPC, Section 904.1, when the number of inches is to be specified, "12 inches
1543	(304.8mm)" is inserted.
1544	(41) In IPC, Section 904.6, the following sentence is added at the end of the
1545	paragraph: "Vents extending through the wall shall terminate not less than 12 inches from the
1546	wall with an elbow pointing downward."
1547	(42) In IPC, Section 905.4, the following sentence is added at the end of the
1548	paragraph: "Horizontal dry vents below the flood level rim shall be permitted for floor drain
1549	and floor sink installations when installed in accordance with Sections 702.2, 905.2 and 905.3
1550	and provided with a wall clean out."

1551	(43)	In IPC, Section 917.8, a new exception	on is added as follows: "Exception: Air
1552	admittance v	alves shall be permitted in non-neutra	dized special waste systems provided that
1553	they conform	to the requirements in Sections 901.	3 and 702.5, are tested to ASTM F1412, and
1554	are certified	by ANSI/ASSE."	
1555	(44)	In IPC, Section 1002.4, the following	is added at the end of the paragraph:
1556	"Approved N	Means of Maintaining Trap Seals. App	proved means of maintaining trap seals
1557	include the fo	ollowing, but are not limited to the mo	ethods cited:
1558	(a) Listed Tr	ap Seal Primer	
1559	(b) A hose b	ibb or bibbs within the same room	
1560	(c) Drainage	from an untrapped lavatory discharge	ing to the tailpiece of those fixture traps
1561	which require	e priming. All fixtures shall be in the	same room and on the same floor level as
1562	the trap primer		
1563	(d) Barrier ty	ype floor drain trap seal protection de	vice meeting ASSE Standard 1072
1564	(e) Deep seal p-trap"		
1565	<u>(45)</u>	IPC, Section 1104.2, is deleted and re	eplaced with the following: "1104.2
1566	Combining s	torm and sanitary drainage prohibited	. The combining of sanitary and storm
1567	drainage syst	ems is prohibited."	
1568	<u>(46)</u>	IPC, Section 1108, is deleted.	
1569	<u>(47)</u>	In IPC, Chapter 14, the following refe	erenced standard is added under ASSE:
1570	"Standard		
1571	reference		Referenced in code
1572	<u>number</u>	<u>Title</u>	section number
1573	1072-2007	Performance Requirements for	<u>1004.2</u>
1574		Barrier Type Floor Drain Trap	
1575		Seal Protection Devices"	
1576	<u>(48)</u>	In IPC, Chapter 14, the following refe	erenced standard is added:
1577	"Standard		
1578	<u>reference</u>		Referenced in code

1579	<u>number</u>	<u>Title</u>	section number
1580	<u>USC-</u>	Foundation for Cross-Connection	<u>Table 608.1</u>
1581	<u>FCCCHR</u>	Control and Hydraulic Research	
1582	9th Edition	University of Southern California	
1583	Manual of	Kaprielian Hall 300	
1584	Cross	Los Angeles CA 90089-2531	
1585	Connection		
1586	Control"		
1587	<u>(49)</u>]	PC, Appendix C, is deleted and replaced wi	th the following Appendix C, Gray
1588	Water Recycl	ing Systems, which may be adopted by loca	l jurisdictions only as provided under
1589	the State Con	struction Code: "Appendix C Gray Water R	ecycling Systems
1590	Note: Section	301.3 of this code requires all plumbing fix	tures that receive water or waste to
1591	discharge to t	he sanitary drainage system of the structure.	In order to allow for the utilization
1592	of a gray water system, Section 301.3 should be revised to read as follows:		
1593	In jurisdictions which have adopted this Appendix C as amended as a local amendment as		
1594	provided herein, Section 301.3 of the IPC is deleted and replaced with the following:		
1595	301.3 Connections to drainage system. All plumbing fixtures, drains, appurtenances, and		
1596	appliances used to receive or discharge liquid wastes or sewage shall be directly connected to		
1597	the sanitary drainage system of the building or premises, in accordance with the requirements		
1598	of this code. This section shall not be construed to prevent indirect waste systems required by		
1599	Chapter 8.		
1600	Exception: Bathtubs, showers, lavatories, clothes washers, laundry trays, and approved clear		
1601	water wastes shall not be required to discharge to the sanitary drainage system where such		
1602	fixtures discharge to an approved gray water system for flushing of water closets and urinals or		
1603	for subsurface landscape irrigation.		
1604	SECTION C101 GENERAL		
1605	C101.1 Scope. The provisions of this appendix shall govern the materials, design,		
1606	construction,	and installation of gray water systems for fl	ushing of water closets and urinals

1607 ((see Figure 2)	١.

- 1608 C101.2 Recording. The existence of a gray water recycling system shall be recorded on the
- deed of ownership for that property.
- 1610 <u>C101.3 Definition. The following term shall have the meaning shown herein.</u>
- 1611 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.
- 1615 C101.4 Permits. Permits shall be required in accordance with Section 106 and may also be
- required by the local health department.
- 1617 <u>C101.5 Installation. In addition to the provisions of Section C101, systems for flushing of</u>
- water closets and urinals shall comply with Section C102. Except as provided for in Appendix
- 1619 <u>C, all systems shall comply with the provisions of the International Plumbing Code.</u>
- 1620 C101.6 Materials. Above-ground drain, waste, and vent piping for gray water systems shall
- 1621 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.
- 1623 C101.7 Tests. Drain, waste, and vent piping for gray water systems shall be tested in
- accordance with Section 312.
- 1625 C101.8 Inspections. Gray water systems shall be inspected in accordance with Section 107.
- 1626 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.
- 1629 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.
- 1634 C101.11 Collection reservoir. Gray water shall be collected in an approved reservoir

1635	constructed of durable, nonabsorbent, and corrosion-resistant materials. The reservoir shall be
1636	a closed and gas-tight vessel. Access openings shall be provided to allow inspection and
1637	cleaning of the reservoir interior.
1638	C101.12 Filtration. Gray water entering the reservoir shall pass through an approved cartridge
1639	filter having a design flow rate of less than 0.375 gallons per minute per square foot of
1640	effective filter area, or a sand or diatomaceous earth filter designed to handle the anticipated
1641	volume of water.
1642	C101.12.1 Required valve. A full-open valve shall be installed downstream of the last fixture
1643	connection to the gray water discharge pipe before entering the required filter.
1644	C101.13 Overflow. The collection reservoir shall be equipped with an overflow pipe having
1645	the same or larger diameter as the influent pipe for the gray water. The overflow pipe shall be
1646	trapped and indirectly connected to the sanitary drainage system.
1647	C101.14 Drain. A drain shall be located at the lowest point of the collection reservoir and
1648	shall be indirectly connected to the sanitary drainage system. The drain shall be the same
1649	diameter as the overflow pipe required in Section C101.12.
1650	C101.15 Vent required. The reservoir shall be provided with a vent sized in accordance with
1651	Chapter 9 and based on the diameter of the reservoir influent pipe.
1652	SECTION C102 SYSTEMS FOR FLUSHING WATER CLOSETS AND URINALS
1653	C102.1 Collection reservoir. The holding capacity of the reservoir shall be a minimum of
1654	twice the volume of water required to meet the daily flushing requirements of the fixtures
1655	supplied with gray water, but not less than 50 gallons (189 L). The reservoir shall be sized to
1656	limit the retention time of gray water to a maximum of 72 hours.
1657	C102.2 Disinfection. Gray water shall be disinfected by an approved method that employs
1658	one or more disinfectants such as chlorine, iodine, or ozone that is recommended for use with
1659	the pipes, fittings, and equipment by the manufacturer of the pipe, fittings, and equipment. A
1660	minimum of 1ppm residual free chlorine shall be maintained in the gray water recycling
1661	system reservoir.
1662	C102.3 Makeup water. Potable water shall be supplied as a source of makeup water for the

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1663	gray water system. The potable water supply shall be protected against backflow by a reduced
1664	pressure principle backflow preventer installed in accordance with this Code. There shall be a
1665	full-open valve located on the makeup water supply line to the collection reservoir.
1666	C102.4 Coloring. The gray water shall be dyed blue or green with a food grade vegetable dye
1667	before such water is supplied to the fixtures.
1.660	

- 1668 C102.5 Materials. Distribution piping shall conform to one of the standards listed in Table
- 1669 605.4.
- 1670 C102.6 Identification. Distribution piping and reservoirs shall be identified as containing
- nonpotable water. Piping identification shall be in accordance with Section 608.8.
- 1672 SECTION C103 SUBSURFACE LANDSCAPE IRRIGATION SYSTEMS
- 1673 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
- 1676 occupancies shall comply with Utah Administrative Code, R317-3 Design Requirements for
- 1677 <u>Wastewater Collection, Treatment and Disposal Systems, and Utah Administrative Code,</u>
- 1678 <u>R317-4, Onsite Wastewater Systems."</u>
- 1679 Section 204. Statewide Amendments to the IMC.
- The following are adopted as amendments to the IMC to be applicable statewide:
- 1681 (1) In IMC, Section 403, a new Section 403.8 is added as follows: "Retrospective
- 1682 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
- 1684 complies with the requirements of this Section 403 regardless of whether the ventilation
- system satisfied the minimum ventilation rate requirements of prior law."
- 1686 (2) IMC, Section 1101.10, is deleted.
- 1687 Section 205. Statewide Amendments to the IFGC.
- The following are adopted as amendments to the IFGC to be applicable statewide:
- (1) In IFGC, Chapter 4, Section 401, General, a new section IFGC, Section 401.9, is
- added as follows: "401.9 Meter protection. Fuel gas services shall be in an approved location

1691	and/or provided with structures designed to protect the fuel gas meter and surrounding piping
1692	from physical damage, including falling, moving, or migrating ice and snow. If an added
1693	structure is used, it must still provide access for service and comply with the IBC or the IRC."
1694	Section 206. Statewide Amendments to the NEC.
1695	The following are adopted as amendments to the NEC to be applicable statewide:
1696	(1) During the period of time when the adopted IRC has not yet incorporated the latest
1697	residential electrical provisions contained in the adopted NEC, the IRC provisions shall
1698	prevail as the adopted residential electrical standards applicable to installations applicable
1699	under the IRC. All other installations shall comply with the adopted NEC.
1700	(2) In NEC, Section 310.15(B)(6), the second sentence is deleted and replaced with
1701	the following: "For application of this section, the main power feeder shall be the feeder(s)
1702	between the main disconnect and the panelboard(s)."
1703	(3) In NEC, Section 338.10(B)(4)(a), the following words are added at the end of the
1704	first sentence after Section 334: "excluding Section 334.80."
1705	Section 207. Statewide Amendments to the IECC.
1706	The following are adopted as amendments to the IECC to be applicable statewide:
1707	(1) In IECC, Section 504.4, a new exception is added as follows: "Exception: Heat
1708	traps, other than the arrangement of piping and fittings, shall be prohibited unless a means of
1709	controlling thermal expansion can be ensured as required in the IPC Section 607.3."
1710	Section 208. Installation and Safety Requirements for Mobile Homes Built Prior to
1711	<u>June 15, 1976.</u>
1712	(1) Mobile homes built prior to June 15, 1976 which are subject to relocation, building
1713	alteration, remodeling, or rehabilitation shall comply with the following:
1714	(a) Related to exits and egress windows:
1715	(i) Egress windows. The home has at least one egress window in each bedroom, or a
1716	window that meets the minimum specifications of the U.S. Department of Housing and Urban
1717	Development's (HUD) Manufactured Homes Construction and Safety Standards (MHCSS)
	magazam as set fourth in 24 C.E.D. Douts 2200 and 2202 MIJCSS 2200 106 and 2200 404 for

1719 manufactured homes. These standards require the window to be at least 22 inches in the 1720 horizontal or vertical position in its least dimension and at least five square feet in area. The 1721 bottom of the window opening shall be no more than 36 inches above the floor, and the locks 1722 and latches and any window screen or storm window devices that need to be operated to 1723 permit exiting shall not be located more than 54 inches above the finished floor. 1724 (ii) Exits. The home is required to have two exterior exit doors, located remotely from 1725 each other, as required in MHCSS 3280.105. This standard requires that single-section homes 1726 have the doors no less than 12 feet, center-to-center, from each other, and multisection home 1727 doors no less than 20 feet center-to-center from each other when measured in a straight line, 1728 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 1729 1730 any bedroom doorway. An exterior swing door shall have a 28-inch-wide by 74-inch-high 1731 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 1732 passage latch; locks shall not require the use of a key or special tool for operation from the 1733 1734 inside of the home. 1735 (b) Related to flame spread: 1736 (i) 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 1737 1738 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 1739 1740 members or materials with a flame spread rating of 25 or less. Combustible doors providing 1741 interior or exterior access to furnace and water heater spaces shall be covered with materials of 1742 limited combustibility (i.e., 5/16-inch gypsum board, etc.), with the surface allowed to be 1743 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 1744 1745 MHCSS 3280.203. 1746 (ii) Exposed interior finishes. Exposed interior finishes adjacent to the cooking range

1747	(surfaces include vertical surfaces between the range top and overhead cabinets, the ceiling, or			
1748	both) shall have a flame-spread rating not exceeding 50, as required by MHCSS 3280.203.			
1749	Backsplashes not exceeding six inches in height are exempted. Ranges shall have a vertical			
1750	clearance above the cooking top of not less than 24 inches to the bottom of combustible			
1751	cabinets, as required by MHCSS 3280.204(e).			
1752	(c) Related to smoke detectors:			
1753	(i) Location. A smoke detector shall be installed on any ceiling or wall in the hallway			
1754	or space communicating with each bedroom area between the living area and the first bedroom			
1755	door, unless a door separates the living area from that bedroom area, in which case the			
1756	detector shall be installed on the living-area side, as close to the door as practicable, as			
1757	required by MHCSS 3280.208. Homes with bedroom areas separated by anyone or			
1758	combination of common-use areas such as a kitchen, dining room, living room, or family			
1759	room (but not a bathroom or utility room) shall be required to have one detector for each			
1760	bedroom area. When located in the hallways, the detector shall be between the return air intake			
1761	and the living areas.			
1762	(ii) Switches and electrical connections. Smoke detectors shall have no switches in the			
1763	circuit to the detector between the over-current protection device protecting the branch circuit			
1764	and the detector. The detector shall be attached to an electrical outlet box and connected by a			
1765	permanent wiring method to a general electrical circuit. The detector shall not be placed on the			
1766	same branch circuit or any circuit protected by a ground-fault circuit interrupter.			
1767	(d) Related to solid-fuel-burning stoves/fireplaces:			
1768	(i) Solid-fuel-burning fireplaces and fireplace stoves. Solid-fuel-burning, factory-built			
1769	fireplaces, and fireplace stoves may be used in manufactured homes, provided that they are			
1770	listed for use in manufactured homes and installed according to their listing/manufacturer's			
1771	instructions and the minimum requirements of MHCSS 3280.709(g).			
1772	(ii) Equipment. A solid-fuel-burning fireplace or fireplace stove shall be equipped			
1773	with an integral door or shutters designed to close the fire chamber opening and shall include			
1774	complete means for venting through the roof a combustion air inlet, a hearth extension, and			

1775	means to securely attach the unit to the manufactured home structure.			
1776	(A) Chimney. A listed, factory-built chimney designed to be attached directly to the			
1777	fireplace/fireplace stove and equipped with, in accordance with the listing, a termination			
1778	device and spark arrester, shall be required. The chimney shall extend at least three feet above			
1779	the part of the roof through which it passes and at least two feet above the highest elevation of			
1780	any part of the manufactured home that is within 10 feet of the chimney.			
1781	(B) Air-intake assembly and combustion-air inlet. An air-intake assembly shall be			
1782	installed in accordance with the terms of listings and the manufacturer's instruction. A			
1783	combustion-air inlet shall conduct the air directly into the fire chamber and shall be designed			
1784	to prevent material from the hearth from dropping on the area beneath the manufactured home.			
1785	(C) Hearth. The hearth extension shall be of noncombustible material that is a			
1786	minimum of 3/8-inch thick and shall extend a minimum of 16 inches in front and eight inches			
1787	beyond each side of the fireplace/fireplace stove opening. The hearth shall also extend over the			
1788	entire surface beneath a fireplace stove and beneath an elevated and overhanging fireplace.			
1789	(e) Related to electrical wiring systems:			
1790	(i) Testing. All electrical systems shall be tested for continuity in accordance with			
1791	MHCSS 3280.810, to ensure that metallic parts are properly bonded; tested for operation, to			
1792	demonstrate that all equipment is connected and in working order; and given a polarity check,			
1793	to determine that connections are proper.			
1794	(ii) 5.2 Protection. The electrical system shall be properly protected for the required			
1795	amperage load. If the unit wiring employs aluminum conductors, all receptacles and switches			
1796	rated at 20 amperes or less that are directly connected to the aluminum conductors shall be			
1797	marked CO/ALA. Exterior receptacles, other than heat tape receptacles, shall be of the			
1798	ground-fault circuit interrupter (GFI) type. Conductors of dissimilar metals (copper/aluminum			
1799	or copper-clad aluminum) must be connected in accordance with NEC, Section 110-14.			
1800	(f) Related to replacement furnaces and water heaters:			
1801	(i) Listing. Replacement furnaces or water heaters shall be listed for use in a			
1802	manufactured home. Vents, roof jacks, and chimneys necessary for the installation shall be			

1803	listed for use with the furnace or water heater.
1804	(ii) Securement and accessibility. The furnace and water heater shall be secured in
1805	place to avoid displacement. Every furnace and water heater shall be accessible for servicing,
1806	for replacement, or both as required by MHCSS 3280.709(a).
1807	(iii) Installation. Furnaces and water heaters shall be installed to provide complete
1808	separation of the combustion system from the interior atmosphere of the manufactured home,
1809	as required by MHCSS.
1810	(A) Separation. The required separation may be achieved by the installation of a
1811	direct-vent system (sealed combustion system) furnace or water heater or the installation of a
1812	furnace and water heater venting and combustion systems from the interior atmosphere of the
1813	home. There shall be no doors, grills, removable access panels, or other openings into the
1814	enclosure from the inside of the manufactured home. All openings for ducts, piping, wiring,
1815	etc., shall be sealed.
1816	(B) Water heater. The floor area in the area of the water heater shall be free from
1817	damage from moisture to ensure that the floor will support the weight of the water heater.
1818	Part 3. Local Amendments
1819	Section 301. Local Amendments to the IBC.
1820	The following are adopted as amendments to the IBC to be applicable to the following
1821	jurisdictions:
1822	(1) City of Farmington:
1823	(a) A new IBC, Section (F) 903.2.13, is added as follows: "(F) 903.2.13 Group R,
1824	Division 3 Occupancies. An automatic sprinkler system shall be installed throughout every
1825	dwelling in accordance with NFPA 13D, when any of the following conditions are present:
1826	1. The structure is over two stories high, as defined by the building code;
1827	2. The nearest point of structure is more than 150 feet from the public way;
1828	3. The total floor area of all stories is over 5,000 square feet (excluding from the calculation
1829	the area of the basement and/or garage); or
1830	4. The structure is located on a street constructed after March 1, 2000 that has a gradient over

1831	12% and, during fire department response, access to the structure will be gained by using such
1832	street. (If the access is intended to be from a direction where the steep gradient is not used, as
1833	determined by the Chief, this criteria shall not apply).
1834	Such sprinkler system shall be installed in basements, but need not be installed in garages,
1835	under eves or in enclosed attic spaces, unless required by the Chief."
1836	(b) A new IBC, Section 907.9, is added as follows: "907.9 Alarm Circuit Supervision.
1837	Alarm circuits in alarm systems provided for commercial uses (defined as other than one- and
1838	two-family dwellings and townhouses) shall have Class "A" type of supervision. Specifically,
1839	Type "B" or End-of-line resistor and horn supervised systems are not allowed."
1840	(c) In NFPA Section 13-07, new sections are added as follows: "6.8.6 FDC Security
1841	Locks Required. All Fire Department connections installed for fire sprinkler and standpipe
1842	systems shall have approved security locks.
1843	6.10 Fire Pump Disconnect Signs. When installing a fire pump, red plastic laminate signs
1844	shall be installed in the electrical service panel, if the pump is wired separately from the main
1845	disconnect. These signs shall state: "Fire Pump Disconnect ONLY" and "Main Breaker DOES
1846	NOT Shut Off Fire Pump".
1847	22.1.6 Plan Preparation Identification. All plans for fire sprinkler systems, except for
1848	manufacturer's cut sheets of equipment shall include the full name of the person who prepared
1849	the drawings. When the drawings are prepared by a registered professional engineer, the
1850	engineer's signature shall also be included.
1851	22.2.2.3 Verification of Water Supply:
1852	22.2.2.3.1 Fire Flow Tests. Fire flow tests for verification of water supply shall be conducted
1853	and witnessed for all applications other than residential unless directed otherwise by the Chief
1854	For residential water supply, verification shall be determined by administrative procedure.
1855	22.2.2.3.2 Accurate and Verifiable Criteria. The design calculations and criteria shall include
1856	an accurate and verifiable water supply.
1857	24.2.3.7 Testing and Inspection of Systems. Testing and inspection of sprinkler systems shall
1858	include, but are not limited to:

1859	Commercial:
1860	FLUSH-Witness Underground Supply Flush;
1861	ROUGH Inspection-Installation of Riser, System Piping, Head Locations and all Components,
1862	Hydrostatic Pressure Test;
1863	FINAL Inspection-Head Installation and Escutcheons, Inspectors Test Location and Flow,
1864	Main Drain Flow, FDC Location and Escutcheon, Alarm Function, Spare Parts, Labeling of
1865	Components and Signage, System Completeness, Water Supply Pressure Verification,
1866	Evaluation of Any Unusual Parameter."
1867	(2) City of North Salt Lake, a new IBC, Section (F)903.2.13, is added as follows:
1868	"(F)903.2.13 Group R, Division 3 Occupancies. An automatic sprinkler system shall be
1869	installed throughout every dwelling in accordance with NFPA 13D, when the following
1870	condition is present:
1871	1. The structure is over 6,200 square feet.
1872	Such sprinkler system shall be installed in basements, but need not be installed in garages,
1873	under eves, or in enclosed attic spaces, unless required by the fire chief."
1874	(3) Park City Corporation, in IBC, Section 3409.2, exception 3, is modified to read as
1875	follows: "3. Designated as historic under a state or local historic preservation program."
1876	(4) Park City Corporation and Park City Fire District:
1877	(a) IBC, Section (F)903.2, is deleted and replaced with the following: "(F)903.2 Where
1878	required. Approved automatic sprinkler systems in new buildings and structures shall be
1879	provided in the location described in this section.
1880	All new construction having more than 6,000 square feet on any one floor, except R-3
1881	occupancy.
1882	All new construction having more than two (2) stories, except R-3 occupancy.
1883	All new construction having three (3) or more dwelling units, including units rented or leased,
1884	and including condominiums or other separate ownership.
1885	All new construction in the Historic Commercial Business zone district, regardless of
1886	occupancy.

1887	All new construction and buildings in the General Commercial zone district where there are			
1888	side yard setbacks or where one or more side yard setbacks is less than two and one half (2.5)			
1889	feet per story of height.	feet per story of height.		
1890	All existing building within	the Historic District Commercial Bus	siness zone."	
1891	(b) In IBC, Table 15	505.1, new footnotes d and e are adde	d as follows: "d. Wood roof	
1892	covering assemblies are pro	hibited in R-3 occupancies in areas w	ith a combined rating of	
1893	more than 11 using Tables 1	1505.1.1 and 1505.1.2 with a score of	9 for weather factors.	
1894	e. Wood roof covering asse	emblies shall have a Class A rating in	occupancies other than R-3	
1895	in areas with a combined rat	ting of more than 11 using Tables 150	05.1.1 and 1505.1.2 with a	
1896	score of 9 for weather factor	rs. The owner of the building shall en	ter into a written and recorded	
1897	agreement that the Class A	rating of the roof covering assembly v	vill not be altered through any	
1898	type of maintenance process.			
1899		TABLE 1505.1.1		
1900		WILDFIRE HAZARD SEVERITY	SCALE	
1901	RATING	<u>SLOPE</u>	<u>VEGETATION</u>	
1902	<u>1</u>	less than or equal to 10%	Pinion-juniper	
1903	<u>2</u>	<u>10.1 - 20%</u>	Grass-sagebrush	
1904	<u>3</u>	greater than 20%	Mountain brush or	
1905			<u>softwoods</u>	
1906		<u>TABLE 1505.1.2</u>		
1907	PRO	OHIBITION/ALLOWANCE OF WOO	OD ROOFING	
1908	<u>Rating</u>	R-3 Occupancy	All Other Occupancies	
1909	less than or	wood roof covering	wood roof covering	
1910	equal to 11	assemblies per	assemblies per	
1911		<u>Table 1505.1 are</u>	<u>Table 1505.1 are</u>	
1912		allowed	allowed	
1913	greater than or	wood roof covering	wood roof covering	
1914	equal to 12	is prohibited	assemblies with a Class A	

1915	rating are allowed"
1916	(c) IBC, Appendix C, is adopted.
1917	(5) Salt Lake City:
1918	(a) In IBC, Section 1008.1.9.7, a new exception is added as follows: "Exception: In
1919	International Airport areas designated as Group "A" Occupancies where national security
1920	interests are present, the use of panic hardware with delayed egress is allowed when all
1921	provisions of Section 1008.1.9.7 are met and under item #4 1 second is changed to 2 seconds."
1922	(6) Sandy City:
1923	(a) A new IBC, Section (F)903.2.13, is added as follows: "(F)903.2.13 An automatic
1924	sprinkler system shall be installed in accordance with NFPA 13 throughout buildings
1925	containing all occupancies where fire flow exceeds 2,000 gallons per minute, based on Table
1926	B105.1 of the 2009 International Fire Code. Exempt locations as indicated in Section
1927	903.3.1.1.1 are allowed.
1928	Exception: Automatic fire sprinklers are not required in buildings used solely for worship,
1929	Group R Division 3, Group U occupancies and buildings complying with the International
1930	Residential Code unless otherwise required by the International Fire Code.
1931	(b) A new IBC, Appendix L, is added and adopted as follows: "Appendix L
1932	BUILDINGS AND STRUCTURES CONSTRUCTED IN AREAS DESIGNATED AS
1933	WILDLAND-URBAN INTERFACE AREAS
1934	AL 101.1 General. Buildings and structures constructed in areas designated as
1935	Wildland-Urban Interface Areas by Sandy City shall be constructed using ignition resistant
1936	construction as determined by the Fire Marshal. Section 502 of the 2006 International
1937	Wildland-Urban Interface Code (IWUIC), as promulgated by the International Code Council,
1938	shall be used to determine Fire Hazard Severity. The provisions listed in Chapter 5 of the 2006
1939	International Wildland-Urban Interface Code, as modified herein, shall be used to determine
1940	the requirements for Ignition Resistant Construction.
1941	(i) In Section 504 of the IWUIC Class I IGNITION-RESISTANT CONSTRUCTION a new
1942	Section 504.1.1 is added as follows: "504.1.1 General. Subsections 504.5, 504.6, and 504.7

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1943	shall only be required on the exposure side of the structure, as determined by the Fire Marshal,
1944	where defensible space is less than 50 feet as defined in Section 603 of the 2006 International
1945	Wildland-Urban Interface Code.
1946	(ii) In Section 505 of the IWUIC Class 2 IGNITION-RESISTANT CONSTRUCTION
1947	Subsections 505.5 and 505.7 are deleted."
1948	Section 302. Local Amendments to the IRC.
1949	The following are adopted as amendments to the IRC to be applicable to the following
1950	jurisdictions:
1951	(1) A local amendment to the following which may be applied to detached one and
1952	two family dwellings and multiple single family dwellings shall be applicable to the
1953	corresponding provisions of the IRC for the local jurisdiction to which the local amendment
1954	has been made:
1955	(a) IBC under State Construction Code, Section 301;
1956	(b) IPC under State Construction Code, Section 303;
1957	(c) IMC under State Construction Code, Section 304;
1958	(d) IFGC under State Construction Code, Section 305;
1959	(e) NEC under State Construction Code, Section 306; and
1960	(f) IECC under State Construction Code, Section 307.
1961	(2) City of Farmington:
1962	(a) In IRC, R324 Automatic Sprinkler Systems, new IRC, Sections R324.1 and
1963	R324.2 are added as follows: "R324.1 When required. An automatic sprinkler system shall be
1964	installed throughout every dwelling in accordance with NFPA 13D, when any of the following
1965	conditions are present:

- 1966 <u>1. the structure is over two stories high, as defined by the building code;</u>
- 1967 2. the nearest point of structure is more than 150 feet from the public way:
- 1968 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

1971	12% and, during fire department response,	access to the structure will be gained by using such	
1972	street. (If the access is intended to be from a	a direction where the steep gradient is not used, as	
1973	determined by the Chief, this criteria shall i	not apply).	
1974	R324.2 Installation requirements and stand	lards. Such sprinkler system shall be installed in	
1975	basements, but need not be installed in gara	ges, under eves or in enclosed attic spaces, unless	
1976	required by the Chief. Such system shall be	installed in accordance with NFPA 13D."	
1977	(b) In IRC, Chapter 44, the following	ng NFPA referenced standards are added as	
1978	<u>follows:</u>		
1979		<u>"TABLE</u>	
1980	<u>ADD</u>		
1981	<u>13D-07</u>	Installation of Sprinkler Systems in	
1982		One- and Two-family Dwellings and	
1983		Manufactured Homes, as amended by these rules	
1984	<u>13R-07</u>	Installation of Sprinkler Systems in	
1985		Residential Occupancies Up to and	
1986		Including Four Stories in Height"	
1987	(c) In NFPA, Section 13D-07, new	sections are added as follows: "1.15 Reference to	
1988	NFPA 13D. All references to NFPA 13D in	the codes, ordinances, rules, or regulations	
1989	governing NFPA 13D systems shall be read	I to refer to "modified NFPA 13D" to reference the	
1990	NFPA 13D as amended by additional regulation	ations adopted by Farmington City.	
1991	4.9 Testing and Inspection of Systems. Tes	sting and inspection of sprinkler systems shall	
1992	include, but are not limited to:		
1993	Residential:		
1994	ROUGH Inspection-Verify Water Supply Piping Size and Materials, Installation of Riser,		
1995	System Piping, Head Locations and all Components, Hydrostatic Pressure Test.		
1996	FINAL Inspection-Inspectors Test Flow, System Completeness, Spare Parts, Labeling of		
1997	Components and Signage, Alarm Function,	Water Supply Pressure Verification.	
1998	5.2.2.3 Exposed Piping of Metal. Exposed	Sprinkler Piping material in rooms of dwellings	

- shall be of Metal.
- 2000 EXCEPTIONS:
- 2001 <u>a. CPVC Piping is allowed in unfinished mechanical and storage rooms only when</u>
- 2002 <u>specifically listed for the application as installed.</u>
- 2003 <u>b. CPVC Piping is allowed in finished, occupied rooms used for sports courts or similar uses</u>
- 2004 only when the ceiling/floor framing above is constructed entirely of non-combustible
- 2005 materials, such as a concrete garage floor on metal decking.
- 2006 <u>5.2.2.4 Water Supply Piping Material. Water Supply Piping from where the water line enters</u>
- 2007 the dwelling adjacent to and inside the foundation to the fire sprinkler contractor
- 2008 point-of-connection shall be metal, suitable for potable plumbing systems. See Section 7.1.4
- 2009 for valve prohibition in such piping. Piping down stream from the point-of-connection used in
- 2010 the fire sprinkler system, including the riser, shall conform to NFPA 13D standards.
- 2011 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
- 2013 disconnect. These signs shall state: "Fire Pump Disconnect ONLY" and "Main Breaker DOES
- 2014 NOT Shut Off Fire Pump".
- 2015 7.1.4 Valve Prohibition. NFPA 13D, Section 7.1 is hereby modified such that NO VALVE is
- 2016 permitted from the City Water Meter to the Fire Sprinkler Riser Control.
- 2017 7.6.1 Mandatory Exterior Alarm. Every dwelling that has a fire sprinkler system shall have an
- 2018 exterior alarm, installed in an approved location. The alarm shall be of the combination
- 2019 horn/strobe or electric bell/strobe type, approved for outdoor use.
- 2020 <u>8.1.05 Plan Preparation Identification. All plans for fire sprinkler systems, except for</u>
- 2021 manufacturer's cut sheets of equipment, shall include the full name of the person who prepared
- 2022 the drawings. When the drawings are prepared by a registered professional engineer, the
- 2023 engineer's signature shall also be included.
- 2024 8.7 Verification of Water Supply:
- 2025 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

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2027	residential Water Supply, verification shall be determined by administrative procedure.
2028	8.7.2 Accurate and Verifiable Criteria. The design calculations and criteria shall include an
2029	accurate and verifiable Water Supply.
2030	(3) Morgan City Corporation, in IRC, Section R105.2, Work Exempt From Permit, a
2031	new list item number 11 is added as follows: "11. Structures intended to house farm animals,
2032	or for the storage of feed associated with said farm animals when all the following criteria are
2033	met:
2034	a. The parcel of property involved is zoned for the keeping of farm animals or has
2035	grandfathered animal rights.
2036	b. The structure is setback not less than 50 feet from the rear or side of dwellings, and not less
2037	than 10 feet from property lines and other structures.
2038	c. The structure does not exceed 1,000 square feet of floor area, and is limited to 20 feet in
2039	height. Height is measured from the average grade to the highest point of the structure.
2040	d. Before construction, a site plan is submitted to, and approved by the building official.
2041	Electrical, plumbing, and mechanical permits shall be required when that work is included in
2042	the structure."
2043	(4) Morgan County, in IRC, Section R105.2, a new list item number 11 is added as
2044	follows: "11. Structures intended to house farm animals, or for the storage of feed associated
2045	with said farm animals when all the following criteria are met:
2046	a. The parcel of property involved is zoned for the keeping of farm animals or has
2047	grandfathered animal rights.
2048	b. The structure is set back not less than required by the Morgan County Zoning Ordinance
2049	for such structures, but not less than 10 feet from property lines and other structures.
2050	c. The structure does not exceed 1,000 square feet of floor area, and is limited to 20 feet in
2051	height. Height is measured from the average grade to the highest point of the structure.

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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."

2055	(5) City of North Salt Lake, a new IRC, Section R324, is added as follows: "Section			
2056	R324 Automatic Sprinkler System Requirements. R324.1 When Required. An automatic			
2057	sprinkler system shall be ins	stalled throughout every dwelling whe	n the following condition is	
2058	present:			
2059	1. The structure is over 6,20	00 square feet.		
2060	R324.2 Installation requires	ments and standards. Such sprinkler sy	ystem shall be installed in	
2061	basements, but need not be	installed in garages, under eves, or in	enclosed attic spaces, unless	
2062	required by the fire chief. Su	ich system shall be installed in accord	ance with NFPA 13D."	
2063	(6) Park City Corporation, Appendix P, of the 2006 IRC is adopted.			
2064	(7) Park City Corporation and Park City Fire District:			
2065	(a) IRC, Section R905.7, is deleted and replaced with the following: "R905.7 Wood			
2066	shingles. The installation of wood shingles shall comply with the provisions of this section.			
2067	Wood roof covering is prohibited in areas with a combined rating of more than 11 using the			
2068	following tables with a score of 9 for weather factors.			
2069	<u>TABLE</u>			
2070		WILDFIRE HAZARD SEVERITY	SCALE	
2071	<u>RATING</u>	<u>SLOPE</u>	<u>VEGETATION</u>	
2072	<u>1</u>	less than or equal to 10%	Pinion-juniper	
2073	<u>2</u>	<u>10.1 - 20%</u>	Grass-sagebrush	
2074	<u>3</u>	greater than 20%	Mountain brush or	
2075			softwoods	
2076		PROHIBITION/EXEMPTION TA	<u>ABLE</u>	
2077	<u>RATING</u>	WOOD ROOF PROHIBITI	<u>ON</u>	
2078	less than or equal to 11	wood roofs are allowed		
2079	greater than or equal to 12	wood roofs are prohibited"		
2080	(b) IRC, Section R905.8, is deleted and replaced with the following: "R905.8 Wood			
2081	Shakes. The installation of v	wood shakes shall comply with the pro	ovisions of this section.	
2082	Wood roof covering is proh	ibited in areas with a combined rating	of more than 11 using the	
2082	Wood roof covering is proh	ibited in areas with a combined rating	of more than 11 using the	

2083	following tables with a score of 9 for weather factors.		
2084	<u>TABLE</u>		
2085	WILDFIRE HAZARD SEVERITY SCALE		
2086	RATING	<u>SLOPE</u>	<u>VEGETATION</u>
2087	<u>1</u>	less than or equal to 10%	Pinion-juniper
2088	<u>2</u>	<u>10.1 - 20%</u>	Grass-sagebrush
2089	<u>3</u>	greater than 20%	Mountain brush or
2090			<u>softwoods</u>
2091		PROHIBITION/EXEMPTION T	ABLE
2092	RATING	WOOD ROOF PROHIBIT	<u>ION</u>
2093	less than or equal to 11	wood roofs are allowed	
2094	greater than or equal to 12	wood roofs are prohibited"	
2095	(c) Appendix K is adopted.		
2096	(8) Sandy City, a ne	w IRC, Section R324, is added as fol	lows: "Section R324
2097	IGNITION RESISTANT CONSTRUCTION		
2098	R324.1 General. Buildings and structures constructed in areas designated as Wildland-Urban		
2099	Interface Areas by Sandy City shall be constructed using ignition resistant construction as		
2100	determined by the Fire Marshal. Section 502 of the 2006 International Wildland-Urban		
2101	Interface Code (IWUIC), as	promulgated by the International Coo	de Council, shall be used to
2102	determine Fire Hazard Seve	rity. The provisions listed in Chapter	5 of the 2006 IWUIC, as
2103	modified herein, shall be us	ed to determine the requirements for	Ignition Resistant
2104	Construction.		
2105	(i) In Section 504 of the IWUIC Class I IGNITION-RESISTANT CONSTRUCTION a new		
2106	Section 504.1.1 is added as follows:		
2107	504.1.1 General. Subsections 504.5, 504.6, and 504.7 shall only be required on the exposure		
2108	side of the structure, as determined by the Fire Marshal, where defensible space is less than 50		
2109	feet as defined in Section 603 of the 2006 IWUIC.		
2110	(ii) In Section 505 of the IV	VUIC Class 2 IGNITION-RESISTAN	IT CONSTRUCTION

2111	Subsections 505.5 and 505.7 are deleted."
2112	Section 303. Local Amendments to the IPC.
2113	The following are adopted as amendments to the IPC to be applicable to the following
2114	jurisdictions:
2115	(1) Salt Lake City, IPC, Appendix C, as specified and amended in State Construction
2116	Code, Subsection 203(49).
2117	(2) South Jordan:
2118	(a) IPC, Section 312.10.2, is deleted and replaced with the following: "312.10.2
2119	Testing. Reduced pressure principle backflow preventer assemblies, double check-valve
2120	assemblies, pressure vacuum breaker assemblies, reduced pressure detector fire protection
2121	backflow prevention assemblies, double check detector fire protection backflow prevention
2122	assemblies, hose connection backflow preventers, and spill-proof vacuum breakers shall be
2123	tested at the time of installation, immediately after repairs or relocation and at least annually.
2124	The testing procedure shall be performed in accordance with one of the following standards:
2125	ASSE 5013, ASSE 5015, ASSE 5020, ASSE 5047, ASSE 5048, ASSE 5052, ASSE 5056,
2126	CSA B64.10, or CSA B64.10.1. Assemblies, other than the reduced pressure principle
2127	assembly, protecting lawn irrigation systems that fail the annual test shall be replaced with a
2128	reduced pressure principle assembly."
2129	(b) IPC, Section 608.16.5, is deleted and replaced with the following: "608.16.5
2130	Connections to lawn irrigation systems. The potable water supply to lawn irrigation systems
2131	shall be protected against backflow by a reduced pressure principle backflow preventer."
2132	Section 304. Local Amendment to the IMC.
2133	The following are adopted as amendments to the IMC to be applicable to the following
2134	jurisdictions:
2135	None.
2136	Section 305. Local Amendment to the IFGC.
2137	The following are adopted as amendments to the IFGC to be applicable to the
2138	following jurisdictions:

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2139	None.	
2140	Section 306. Local Amendment to the NEC.	
2141	The following are adopted as amendments to the NEC to be applicable to the following	g
2142	jurisdictions:	
2143	None.	
2144	Section 307. Local Amendment to the IECC.	
2145	The following are adopted as amendments to the IECC to be applicable to the	
2146	following jurisdictions:	
2147	None.	
2148	Section 2. Effective date.	

This bill takes effect on July 1, 2010.

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