

TITLE 15A. STATE CONSTRUCTION AND FIRE CODES ACT
CHAPTER 4. LOCAL AMENDMENTS INCORPORATED AS PART OF STATE CONSTRUCTION CODE

Part 1. Local Amendments to IBC

15A-4-101. General provision.

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

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

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

Exception:

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

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

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

- (1) A new IBC, Section (F) 903.2.13, is added as follows: "(F) 903.2.13 Group R, Division 3 Occupancies. An automatic sprinkler system shall be installed throughout every dwelling in accordance with NFPA 13D, when any of the following conditions are present:
 1. The structure is over two stories high, as defined by the building code;
 2. The nearest point of structure is more than 150 feet from the public way;
 3. The total floor area of all stories is over 5,000 square feet (excluding from the calculation the area of the basement and/or garage); or
 4. The structure is located on a street constructed after March 1, 2000, that has a gradient over 12% and, during fire department response, access to the structure will be gained by using such street. (If the access is intended to be from a direction where the steep gradient is not used, as determined by the Chief, this criteria shall not apply). Such sprinkler system shall be installed in basements, but need not be installed in garages, under eaves or in enclosed attic spaces, unless required by the Chief."
- (2) A new IBC, Section 907.9, is added as follows: "907.9 Alarm Circuit Supervision. Alarm circuits in alarm systems provided for commercial uses (defined as other than one- and two-family dwellings and townhouses) shall have Class "A" type of supervision. Specifically, Type "B" or End-of-line resistor and horn supervised systems are not allowed."
- (3) In NFPA Section 13-07, new sections are added as follows: "6.8.6 FDC Security Locks Required. All Fire Department connections installed for fire sprinkler and standpipe systems shall have approved security

locks.

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

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

22.2.2.3 Verification of Water Supply:

22.2.2.3.1 Fire Flow Tests. Fire flow tests for verification of water supply shall be conducted and witnessed for all applications other than residential unless directed otherwise by the Chief.

For residential water supply, verification shall be determined by administrative procedure.

22.2.2.3.2 Accurate and Verifiable Criteria. The design calculations and criteria shall include an accurate and verifiable water supply.

24.2.3.7 Testing and Inspection of Systems. Testing and inspection of sprinkler systems shall include, but are not limited to:

Commercial:

FLUSH-Witness Underground Supply Flush;

ROUGH Inspection-Installation of Riser, System Piping, Head Locations and all Components, Hydrostatic Pressure Test;

FINAL Inspection-Head Installation and Escutcheons, Inspectors Test Location and Flow, Main Drain Flow, FDC Location and Escutcheon, Alarm Function, Spare Parts, Labeling of Components and Signage, System Completeness, Water Supply Pressure Verification, Evaluation of Any Unusual Parameter."

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

The following amendment is adopted as an amendment to the IBC for the City of North Salt Lake, a new IBC, Section (F)903.2.13, is added as follows: "(F)903.2.13 Group R, Division 3 Occupancies. An automatic sprinkler system shall be installed throughout every dwelling in accordance with NFPA 13D, when the following condition is present:

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

Such sprinkler system shall be installed in basements, but need not be installed in garages, under eaves, or in enclosed attic spaces, unless required by the fire chief."

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

(1) The following amendment is adopted as an amendment to the IBC for the Park City Corporation, in IBC, Section 3409.2, exception 3, is modified to read as follows: "3. Designated as historic under a state or local historic preservation program."

(2) The following amendments are adopted as amendments to the IBC for the Park City Corporation and Park City Fire District:

(a) IBC, Section (F)903.2, is deleted and replaced with the following: "(F)903.2 Where required. Approved automatic sprinkler systems in new buildings and structures shall be provided in the location described in this section.

All new construction having more than 6,000 square feet on any one floor, except R-3 occupancy. All new construction having more than two (2) stories, except R-3 occupancy. All new construction having three (3) or more dwelling units, including units rented or leased, and including condominiums or other separate ownership. All new construction in the Historic Commercial Business zone district, regardless of occupancy. All new construction and buildings in the General Commercial zone district where there are side yard setbacks or where one or more side yard setbacks is less than two and one half (2.5) feet per story of height. All existing building within the Historic District Commercial Business zone."

(b) In IBC, Table 1505.1, new footnotes d and e are added as follows: "d. Wood roof covering

assemblies are prohibited in R-3 occupancies in areas with a combined rating of more than 11 using Tables 1505.1.1 and 1505.1.2 with a score of 9 for weather factors.

e. Wood roof covering assemblies shall have a Class A rating in occupancies other than R-3 in areas with a combined rating of more than 11 using Tables 1505.1.1 and 1505.1.2 with a score of 9 for weather factors. The owner of the building shall enter into a written and recorded agreement that the Class A rating of the roof covering assembly will not be altered through any type of maintenance process.

TABLE 1505.1.1		
WILDFIRE HAZARD SEVERITY SCALE		
RATING	SLOPE	VEGETATION

1	less than or equal to 10%	Pinion-juniper
2	10.1 - 20%	Grass-sagebrush
3	greater than 20%	Mountain brush or softwoods
TABLE 1505.1.2		
PROHIBITION/ALLOWANCE OF WOOD ROOFING		
Rating	R-3 Occupancy	All Other Occupancies
Less than or equal to 11	Wood roof covering assemblies per Table 1505.1 are allowed	Wood roof covering assemblies per Table 1505.1 are allowed
Greater than or equal to 12	Wood roof covering is prohibited	Wood roof covering assemblies with a Class A rating are allowed"

(c) IBC, Appendix C, is adopted.

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

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

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

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

(1) A new IBC, Section (F)903.2.13, is added as follows: "(F)903.2.13 An automatic sprinkler system shall be installed in accordance with NFPA 13 throughout buildings containing all occupancies where fire flow exceeds 2,000 gallons per minute, based on Table B105.1 of the 2009 International Fire Code. Exempt locations as indicated in Section 903.3.1.1.1 are allowed.

Exception: Automatic fire sprinklers are not required in buildings used solely for worship, Group R Division 3, Group U occupancies and buildings complying with the International Residential Code unless otherwise required by the International Fire Code.

(2) A new IBC, Appendix L, is added and adopted as follows: "Appendix L
BUILDINGS AND STRUCTURES CONSTRUCTED IN AREAS DESIGNATED AS WILDLAND-URBAN INTERFACE AREAS

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

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

(ii) In Section 505 of the IWUIC Class 2 IGNITION-RESISTANT CONSTRUCTION Subsections 505.5 and

505.7 are deleted."

Part 2. Local Amendments to IRC

15A-4-201. General provision.

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

(2) A local amendment to the following which may be applied to detached one and two family dwellings and multiple single family dwellings shall be applicable to the corresponding provisions of the IRC for the local jurisdiction to which the local amendment has been made:

- (a) IBC under Part 1, Local Amendments to IBC;
- (b) IPC under Part 3, Local Amendments to IPC;
- (c) IMC under Part 4, Local Amendments to IMC;
- (d) IFGC under Part 5, Local Amendments to IFGC;
- (e) NEC under Part 6, Local Amendments to NEC; and
- (f) IECC under Part 7, Local Amendments to IECC.

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

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

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

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

(1) In IRC, R324 Automatic Sprinkler Systems, new IRC, Sections R324.1 and R324.2 are added as follows: "R324.1 When required. An automatic sprinkler system shall be installed throughout every dwelling in accordance with NFPA 13D, when any of the following conditions are present:

- 1. the structure is over two stories high, as defined by the building code;
- 2. the nearest point of structure is more than 150 feet from the public way;
- 3. the total floor area of all stories is over 5,000 square feet (excluding from the calculation the area of the basement and/or garage); or
- 4. the structure is located on a street constructed after March 1, 2000 that has a gradient over 12% and, during fire department response, access to the structure will be gained by using such street. (If the access is intended to be from a direction where the steep gradient is not used, as determined by the Chief, this criteria shall not apply).

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

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

		"TABLE
	ADD	

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

(3) In NFPA, Section 13D-07, new sections are added as follows: "1.15 Reference to NFPA 13D. All references to NFPA 13D in the codes, ordinances, rules, or regulations governing NFPA 13D systems shall be read to refer to "modified NFPA 13D" to reference the NFPA 13D as amended by additional regulations adopted by Farmington City.

4.9 Testing and Inspection of Systems. Testing and inspection of sprinkler systems shall include, but are not limited to:

Residential:

ROUGH Inspection-Verify Water Supply Piping Size and Materials, Installation of Riser, System Piping, Head Locations and all Components, Hydrostatic Pressure Test.

FINAL Inspection-Inspectors Test Flow, System Completeness, Spare Parts, Labeling of Components and Signage, Alarm Function, Water Supply Pressure Verification.

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

a. CPVC Piping is allowed in unfinished mechanical and storage rooms only when specifically listed for the application as installed.

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

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

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

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

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

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

8.7 Verification of Water Supply:

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

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

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

(1) The following amendment is adopted as an amendment to the IRC for the Morgan City Corporation,

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

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

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

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

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

The following amendment is adopted as an amendment to the IRC for the City of North Salt Lake, a new IRC, Section R324, is added as follows: "Section R324 Automatic Sprinkler System Requirements. R324.1 When Required. An automatic sprinkler system shall be installed throughout every dwelling when the following condition is present:

- 1. The structure is over 6,200 square feet.
- R324.2 Installation requirements and standards. Such sprinkler system shall be installed in basements, but need not be installed in garages, under eaves, or in enclosed attic spaces, unless required by the fire chief. Such system shall be installed in accordance with NFPA 13D."

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

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

(2) The following amendments are adopted as amendments to the IRC for Park City Corporation and Park City Fire District:

(a) IRC, Section R905.7, is deleted and replaced with the following: "R905.7 Wood shingles. The installation of wood shingles shall comply with the provisions of this section. Wood roof covering is prohibited in areas with a combined rating of more than 11 using the following tables with a score of 9 for weather factors.

TABLE		
WILDFIRE HAZARD SEVERITY SCALE		
RATING	SLOPE	VEGETATION
1	less than or equal to 10%	Pinion-juniper

2	10.1 - 20%	Grass-sagebrush
3	greater than 20%	Mountain brush or softwoods
PROHIBITION/EXEMPTION TABLE		
RATING		WOOD ROOF PROHIBITION
less than or equal to 11		wood roofs are allowed
greater than or equal to 12		wood roofs are prohibited"

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

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

(c) Appendix K is adopted.

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

The following amendment is adopted as an amendment to the IRC for Sandy City, a new IRC, Section R324, is added as follows: "Section R324 IGNITION RESISTANT CONSTRUCTION
R324.1 General. Buildings and structures constructed in areas designated as Wildland-Urban Interface Areas by Sandy City shall be constructed using ignition resistant construction as determined by the Fire Marshal. Section 502 of the 2006 International Wildland-Urban Interface Code (IWUIC), as promulgated by the International Code Council, shall be used to determine Fire Hazard Severity. The provisions listed in Chapter 5 of the 2006 IWUIC, as modified herein, shall be used to determine the requirements for Ignition Resistant Construction.

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

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

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

Part 3. Local Amendments to IPC

15A-4-301. General provision.

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

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

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

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

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

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

(2) IPC, Section 608.16.5, is deleted and replaced with the following: "608.16.5 Connections to lawn irrigation systems. The potable water supply to lawn irrigation systems shall be protected against backflow by a reduced pressure principle backflow preventer."

Part 4. Local Amendment to IMC

15A-4-401. General provision.

No local amendments to the IMC are adopted.

Part 5. Local Amendment to IFGC

15A-4-501. General provision.

No local amendments to the IFGC are adopted.

Part 6. Local Amendment to NEC

15A-4-601. General provision.

No local amendments to the NEC are adopted.

Part 7. Local Amendment to IECC

15A-4-701. General provision.

No local amendments to the IECC are adopted.

**STATE CONSTRUCTION AND FIRE CODES ACT
LOCAL AMENDMENTS
INCORPORATED AS PART OF
STATE CONSTRUCTION CODE**

**Title 15A, Chapter 4
Utah Code Annotated 1953
As Enacted by
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