AGENDA
Boise City Building Code Board
September 3, 2020
8:30 am - 11:00 am
Hybrid Meeting
Boise City Hall, 4th Floor, Ancell Conference Room (Jason Blais, Rob Lockward, Ashley Hocken, Chairman Jim Otradosky)
Zoom Video Conference Call (Remaining Board Members or other attendees)

Virtual attendance is strongly encouraged. Please visit: www.cityofboise.org/virtual-meetings.

1. Call to Order/Roll Call

2. Agenda Items:
   
   *a. Meeting minutes from September 1, 2020
   *b. 2018 International Fire Code with amendments
   *c. 2018 International Energy Conservation Code with amendments (if not completed from first meeting)
   *d. 2018 International Residential Code with amendments (if not completed from first meeting)

   This Board will review and discuss the proposed ordinances, adoption of codes with amendments, and any appendices thereto. The Board may take final action on the above listed action items at this meeting recommending approval, denial, or other action to the Boise City Council.

3. Other Items or New Business
   
   a. Updated draft Moving, Deconstruction or Demolition of Buildings ordinance (near future)

4. Adjournment

*Pursuant to Idaho Code Section 74-204(4), all items on the Agenda marked with an asterisk * are action items that require a vote. Identifying an item as an action item on the Agenda does not require that a vote be taken.
MEETING MINUTES
Boise City Building Code Board
September 1, 2020
3:00 pm- 5:30 pm
Hybrid Meeting
Boise City Hall, 4th Floor, Ancell Conference Room (Jason Blais, Rob Lockward, Ashley Hocken, Chairman Jim Otradosky)
Zoom Video Conference Call (Remaining Board Members or other attendees)

Meeting Virtually through Zoom
Russ Phillips, Board Member
Riley Mahaffey, Board Member
Tyler Resnick, Board Member
Craig Brasher, Board Member
Mark Guho, Board Member
Ron Larson, Board Member
Steve Call, Board Member
Andy Erstad, Board Member
TJ Sayles, Board Member
Bob Archibald (Boise City, PDS Building Inspection Supervisor)

Meeting in Person
Jim Otradosky, Chairman
Jason Blais (Boise City, PDS Building Official)
Rob Lockward (Boise City, PDS Legal Representative)
Ashley Hocken (Boise City, PDS Administrative Specialist)

Acknowledgement of Absence:
None – All present.

Building Official Jason Blais welcomed the Board Members.

1. The Chairman called the meeting to order at 3:05 pm.

Handouts were provided to the Board:

1) Meeting Agenda
2) Meeting Minutes from June 5, 2019
3) 2018 International Building Code Summary of Changes
4) Draft Title 9 Chapter 1A-Building Code Ordinance
5) 2018 International Existing Building Code Summary of Changes
2. The Chairman asked for approval on previous meeting minutes from June 5th, 2019

Andy Erstad motioned to approve the meeting minutes
Tyler Resnick seconded the motion

All present were in favor

3. The Chairman reviewed agenda items for the Board meeting.

4. The Chairman outlined the rules for the public meeting.

5. City Building Official, Jason Blais, introduced the summary of changes, proposed ordinances, adoption of codes with amendments, and any appendices thereto:

Building Official, Jason Blais, began reviewing a summary of changes to each chapter of the 2018 International Building Code. A discussion was initiated by board member Steve Call regarding item #41 in the list regarding Chapter 17: Special Inspections, Code Section 1705.5.2. He asked if this change regarding five-foot tall wood trusses is requiring a Special Inspection by third party or the Engineer of Record can inspect. Jason responded that City Building Inspectors do look at the lateral bracing during inspection, however, this new provision requires a third party or an engineer to perform a Special Inspection.

Craig Brasher confirmed his understanding of this Chapter is that the Special Inspection must be done by an independent third party. Jason Blais agreed that is the general rule but sometimes an engineer can be the better option in some circumstances. Steve Call suggested that the Engineer of Record is considered a third party as he is independent from the Contractor. Craig Brasher reaffirmed that the Engineer of Record would be a part of the Design Team, therefore, not be independent. Jason confirmed that the Special Inspector is to be representing the Owner of the project not the contractor.

Steve Call believed this is a considerable change to the code and mentioning the permanent bracing isn’t designed by the engineer, unless it is over a 60 ft. truss in which case it is required to be designed. Jason concurred and mentioned the stated reason for the code change is that some case studies across the country have confirmed some failures where truss bracing was missing. Therefore, a group of engineers have come together to add it into the code. Steve Call mentioned that the City will need to clarify who can complete this Special Inspection and the need for special training for those inspectors. Jason concurred with Steve and said that we may have to work with engineers until third party Special Inspectors are trained to inspect these items.
Steve Call looked up the section in his copy of the code and stated that he didn’t see anything in the Special Inspections for wood trusses for five feet or greater in height. Chairman Otradosky confirms that 1705.5.2 clarifies it is for trusses 60 feet more in length in his copy. Craig Brasher reads from the online version of the 2018 code first printing from section 1705.5.2 states Special Inspections with trusses of overall heights of 60 inches or greater should be performed. Jason confirms that this appears to be an error in the first printing of the code and in the published significant changes book and appears to have been changed in later printings of the code.

Craig Brasher confirmed that his printed version of the code does not mention the 60 inch or greater requirement. Chairman Otradosky reviewed the errata on his phone and confirmed there is an errata to this code section, which applies to an error in the first printing. Jason confirmed that the City of Boise will adopt the most up-to-date version of the Code adding that the errata is an extension of the Code.

Jason continued to review Chapters 18 – 33 2018 of the International Building Code. Tyler Resnick asked if the change to Chapter 33 regarding the requirement of a fire watch for buildings over 40 feet in height during hours where no construction work being done in protection of adjacent properties was only for wood framed buildings? Jason Blais reviewed the code and stated that it doesn’t specify for wood framed buildings only. However, he stated that the Fire Code Official would make that call and that the determination would likely consider factors such as location/closeness to other adjacent buildings and the if the building construction is of combustible materials.

Jason began reviewing the draft Title 9 Chapter 1A-2018 Building Code Ordinance. He mentions the separating of and re-naming to Chapter 1A Building Code for Commercial/Multi-Family and Chapter 1B for the One-and-Two-Family Dwelling Building Code. He mentioned many changes are grammatical edits to ensure the document was consistent throughout. Jason also reviewed the sections pertaining to the Board that have been updated and made consistent across all of our boards. Items such as board duties and the use of this board as a Fire Code Board of Appeals are further clarified and established.

Tyler Resnick asked how many board members need to vote ‘yes’ to approve an item. Deputy City Attorney Rob Lockward confirmed that only a ‘simple majority vote’ was needed to approve an item under board action. He further mentioned that this is the default across the City under typical Robert’s Rules of Order, unless otherwise stated. Rob suggested that if the board so pleases, we could add the specific language ‘a final decision by the majority of the board members through a roll call vote’ to obtain approval. The board chose to leave as is.

Jason continued review of the draft ordinance and pointed out the State Amendments included. Jason mentioned the IDAPA rules had been recently renumbered in the last month and that Section 9-1A-64 in our draft ordinance should have the reference IDAPA section number of 07.03.03 updated accordingly to 24.39.31.
Chairman Otradosky outlined the four available motions the board can take and opened up the meeting for public testimony. It was confirmed of no attendees for public testimony. Andy Erstad motioned to recommend formal action of adopting 2018 International Building Code with ordinance amendments as submitted with one modification of updating the correct IDAPA rule section reference in ordinance Section 9-1A-64. Seconded by Craig Brasher. Chairman Otradosky confirmed there were no other comments and called for a vote. A roll call vote was completed with all members recommending adoption of the ordinance to adopt the 2018 International Building Code with amendments to City Council.

Jason Blais began reviewing the 2018 International Existing Building Code (IEBC) summary of changes. Jason also mentioned the 2018 IEBC has begun implementing residential provisions into the Existing Building Code, where previously it was mostly only Commercial.

Regarding the addition of Section 503.7, Steve Call asked what defines ‘work area’ of more than half of the building floor area. Tyler Resnick asked for the reading of the defined ‘work area’. Jason read the ‘work area’ as defined in Chapter 2. Jason read definition aloud for further discussion.

Mark Guho asked for further clarification. Jason further explained that if the work being completed in a building is more than 50% of the building but some work does not require a permit, it may not be held to the ‘work area’ definition. He suggests that when going through the Existing Building Code, if using the ‘Prescriptive Compliance’ method or the ‘Work Area’ method (Alteration 1, 2, and 3) that the coinciding chapter should be read closely to confirm when the structural triggers apply, as the methods are not exactly the same. Craig Brasher mentions that he typically does the Alteration Method and not Prescriptive Method. As the Alteration Method Levels chosen from your structural engineer helps guide the amount of structural obligations there is, protecting you from the ‘gray area’ interpretation. Jason confirmed that deciding the level of alteration your project falls into will really help establish structural requirements.

Tyler Resnick asked if a remodel of an existing building is 40% initially, but a change to the work pushes you over the 50% threshold, does that automatically trigger more code requirements? Jason suggests that a conversation regarding the change is had between the contractor, design team and owner to figure out a plan, then meet with the Building Department to further determine if there may or may not be further alterations needed to the project.

Discussion occurred when Planning Design Review or Historic requirements conflict with structural building requirements and how to resolve. Craig suggested that this process may be an administrative process and not something that can be corrected by code. Jason mentioned there can be a path to go back to Planning for modification but typically requires a structural engineer report and evaluation justifying the needed changes. Mark Guho suggested a pathway for projects to be reviewed in this situation where you are
not solely relying on the code, allowing win/win for the property owner and City.

Jason Blais continued reviewing the remaining summary of changes of the International Existing Building Code.

Jason Blais then reviewed the draft Title 9 Chapter 10-2018 Existing Building Code Ordinance and amendments. The change of including residential under this code along with other highlighted changes were mentioned.

Chairman Otradosky outlined the four available motions the board can take and opened up the meeting for public testimony. It was confirmed of no attendees for public testimony.

Andy Erstad motioned to recommend the approval of adopting the 2018 International Existing Building Code with ordinance amendments to City Council as presented. Tyler Resnick seconded the motion.

Moved to roll call vote. Chairman Otradosky states the motion passes unanimously.

With the remaining time, it was decided Jason Blais should begin reviewing the 2018 International Energy Conservation Code summary of changes. Discussion occurred regarding Hotel Automatic Controls in buildings with more than 50 guestrooms. Russ Phillips wonders how the automatic shut-off of ventilation will be affected with the onset of COVID-19. He mentions that ventilation is key to keep units safe. Jason concurs and suggests the code was written before the pandemic. Tyler Resnick has questions about hotel temperature. He is not aware of any systems that are directly linked to units being un-rented or unoccupied. He points to bullet point two in the summary of Section C 403.7.6 (Automatic control of HVAC systems serving guest rooms) and questions the practicality of the automatic rise and lower of the setpoints when guestrooms are unrented or unoccupied for more than 30 minutes. Is this programmed into a software or an employee making these changes. Jason suggests rooms have systems that track or sense occupancy of the rooms.

Andy Erstad believes Russ Phillips brought up a good point regarding his COVID-19 concerns with ventilation. Suggests that should the CDC make changes to the ventilation parameters that the Board could meet to discuss recommendations if need be. Jason concurs that we would have to consider if our code conflicts with CDC’s recommendations. Chairman Otradosky suggests Russ read deeper into the detail of the code as it is a couple pages long. Such as pre-flushing rooms before occupant enters and that less than 16 hours of unoccupied may not adjust the temperature.

Russ suggested that as more controls and sensors are added to the system, it will know when you are still occupying the room, but you have simply gone out, therefore will not adjust the temperature. Andy Erstad mentioned some hotels
have controls that are initiated from the hotel guest key card when they enter the room.

Jason Blais continues reviewing the 2018 International Energy Conservation Code summary of changes. After reviewing the Commercial section of the code, Tyler asks to go over the occupancy sensors required in a warehouse space. His concern about how many sensors this would require for the larger warehouse. Jason and Chairman Otradosky review the code book. It is determined that the lighting controlled by the occupancy sensors in the warehouse aisleways are to reduce the lighting power up to 50%. Jason suggests the focus for these sensors is on aisleways in warehouses. The lighting will turn fully back on as you walk down aisleways.

In section R403.10.3 Pool Covers, the exception from pool cover requirements changed from ‘70%’ to ‘75%’ of energy heating over 3 months from a heat pump or on-site renewables. Tyler asked to confirm that a floating solar cover would meet the requirement. Jason confirmed that this was for if you wanted an exception to not have a pool cover.

Jason reviewed some of the State amendments on energy code. One for commercial and a few for residential. We will review closer when we review the draft ordinance on Thursday, 9/3. A few areas where current City code is different than State code.

One example is the state amendment requires 20% of new homes built by a contractor to have a blower door test conducted. He confirmed that the City of Boise already requires a blower door test on every home.

Jason Blais mentioned we will review the International Fire Code and draft ordinance with Fire Department personnel, then finish the energy code review and review the International Residential Code and ordinance on Thursday, 9/3.

Chairman Otradosky asks if there are any questions before we adjourn. No questions asked.

6. Close and adjourn the meeting

Steve Call motioned to adjourn meeting.
Craig Brasher seconded the motion to adjourn.

All present were in favor

The meeting was adjoumed at 5:28 pm
Attn: Building Code Board Members

We sincerely appreciate your time and consideration of this proposal to repeal and replace the Fire Code for the City of Boise. This brief guide will provide information on significant changes to the 2018 *International Fire Code®* (IFC®), which establishes minimum regulations for fire safety. Since the Fire Code for the City of Boise has not been updated during regular code cycles since approximately 2009, generally speaking, you will be presented with those changes that will most impact use of the code when adopted. In addition to the significant changes indicated in this guide, we would like you to be aware that we have also included the majority of the provisions of the 2018 International Wildland-Urban Interface Code (2018 IWUIC), as a new Chapter 41 in the proposed Fire Code for the City of Boise. We have decided to include this as a chapter within the Fire Code, as the document is relatively short and works well with the other codes. We look forward to any comments and feedback from your group. Thank you.

Jerry McAdams
Acting Deputy Chief - Fire Marshal
Boise Fire Department

**Content**

Chapters of the IFC included in this handout:

- Chapter 3, General Requirements
- Chapter 4, Emergency Planning and Preparedness
- Chapter 5, Fire Service Features
- Chapter 6, Building Services and Systems
- Chapter 7, Fire and Smoke Protection Features
- Chapter 8, Interior Finish, Decorative Materials and Furnishings
- Chapter 9, Fire Protection and Life Safety Systems
- Chapter 10, Means of Egress
- Chapter 11, Construction Requirements for Existing Buildings
- Chapter 12 Energy Systems
- Chapter 22, Combustible Dust-Producing Operations
- Chapter 23, Motor Fuel-Dispensing Facilities and Repair Garages
- Chapter 24, Flammable Finishes
- Chapter 28, Motor Fuel-Dispensing Facilities and Repair Garages
- Chapter 31, Tents, Temporary Special Event Structures and Other Membrane Structures
- Chapter 32, High-Piled Combustible Storage
- Chapter 33, Fire Safety During Construction and Demolition
- Chapter 38, Higher Education Laboratories
- Chapter 39, Processing and Extraction Facilities
- Chapter 51, Aerosols
- Chapter 53, Compressed Gases
- Chapter 57, Flammable and Combustible Liquids
- Chapter 61, Liquefied Petroleum Gases
## 2018 IFC Chapter 3: General Requirements

<table>
<thead>
<tr>
<th>Code Section</th>
<th>Section Title</th>
<th>Description of Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>314</td>
<td>Indoor Displays</td>
<td>This section is revised to clarify it applies to both liquid-fueled vehicles and gaseous-fueled vehicles. Additionally, it has been modified to allow the Fire Code Official the ability to determine the best method of safeguarding the vehicle regarding the battery and electrical system.</td>
</tr>
<tr>
<td>315.3.1</td>
<td>Ceiling Clearance for Indoor Storages</td>
<td>Exceptions have been added which allow an increase in the height of storage along walls in sprinklered and nonsprinklered buildings.</td>
</tr>
<tr>
<td>315.7</td>
<td>Outdoor Pallet Storage</td>
<td>Requirements are added to the code to height limitation and separation to buildings and property lines for the outdoor storage of idle pallets constructed of wood or plastic. See also Significant Change to Section 2810 for pallet storage at pallet recycling and manufacturing facilities.</td>
</tr>
</tbody>
</table>

## 2018 IFC Chapter 4: Emergency Planning and Preparedness

<table>
<thead>
<tr>
<th>Code Section</th>
<th>Section Title</th>
<th>Description of Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>403.12.3</td>
<td>Crowd Managers</td>
<td>The threshold for crowd managers dropped from 1,000 to 500 people for certain events.</td>
</tr>
<tr>
<td>404.2.3</td>
<td>Lockdown Plans</td>
<td>Updates and prescribes details for facility lockdown plans.</td>
</tr>
</tbody>
</table>

## 2018 IFC Chapter 5: Fire Service Features

<table>
<thead>
<tr>
<th>Code Section</th>
<th>Section Title</th>
<th>Description of Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>510</td>
<td>Emergency Responder Radio Coverage</td>
<td>Requirements for emergency responder radio coverage have been revised to address industry and equipment enhancements with a new reference to NFPA 1221.</td>
</tr>
</tbody>
</table>
### 2018 IFC Chapter 6: Building Services and Systems

<table>
<thead>
<tr>
<th>Code Section</th>
<th>Section Title</th>
<th>Description of Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>603.3</td>
<td>603.3 Modification Fuel-fired Appliances</td>
<td>Fuel oil storage allowances in Section 603 have been revised to clarify applicability to internal combustion engines, such as generators and fire pumps. Fuel oil storage is increased to 1,320 gallons if the building is sprinklered and the tank is listed to UL 142.</td>
</tr>
<tr>
<td>605.13</td>
<td>605.13 Addition Refrigerants with Lower Flammability Hazards</td>
<td>Adds requirements regarding safety concerns for lower flammability refrigerant gases.</td>
</tr>
<tr>
<td>608.3</td>
<td>608.3 Modification Non-metallic Cooking Oil Storage Tanks</td>
<td>Provide listing and capacity requirements for cooking oil storage.</td>
</tr>
</tbody>
</table>

#### TABLE 603-1 Maximum Capacity of Fuel Oil Based on Type of Tank and Automatic Sprinkler System Design

<table>
<thead>
<tr>
<th>TANK DESIGN</th>
<th>NONSPRINKLERED BUILDING</th>
<th>FIRE SPRINKLERS PROVIDED IN THE ROOM</th>
<th>FIRE SPRINKLERS PROVIDED IN THE BUILDING</th>
</tr>
</thead>
<tbody>
<tr>
<td>UL 80</td>
<td>660 gallons</td>
<td>660 gallons</td>
<td>660 gallons</td>
</tr>
<tr>
<td>UL 142</td>
<td>660 gallons</td>
<td>660 gallons</td>
<td>1,320 gallons</td>
</tr>
<tr>
<td>UL 2085</td>
<td>660 gallons</td>
<td>3,000 gallons</td>
<td>3,000 gallons</td>
</tr>
</tbody>
</table>

### 2018 IFC Chapter 8: Interior Finish, Decorative Materials and Furnishings

<table>
<thead>
<tr>
<th>Code Section</th>
<th>Section Title</th>
<th>Description of Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>807.1</td>
<td>807.1 Modification Combustible Decorative Materials</td>
<td>The limitations on decorative combustible materials are clarified as to where they apply.</td>
</tr>
<tr>
<td>807.4</td>
<td>807.4 Modification Combustible Decorative Materials</td>
<td>The limitations on decorative combustible materials are clarified as to where they apply.</td>
</tr>
</tbody>
</table>
## 2018 International Fire (IFC) Summary of Changes

### 2018 IFC Chapter 9: Fire Protection and Live Safety Systems

<table>
<thead>
<tr>
<th>Code Section</th>
<th>Section Title</th>
<th>Description of Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>901.4.6</td>
<td>Addition</td>
<td>Fire Pump and Fire Sprinkler Riser Rooms</td>
</tr>
<tr>
<td>901.6.2</td>
<td>Addition</td>
<td>Integrated Fire Protection System Testing</td>
</tr>
<tr>
<td>901.8.2</td>
<td>Modification</td>
<td>Removal of Occupant Use Hoselines</td>
</tr>
<tr>
<td>903.2.1</td>
<td>Clarification</td>
<td>Sprinklers in Group A Occupancies</td>
</tr>
<tr>
<td>903.2.3</td>
<td>Modification</td>
<td>Sprinklers in Group E Occupancies</td>
</tr>
<tr>
<td>903.3.1.1.2</td>
<td>Modification</td>
<td>Sprinklers in Bathrooms in Group R-4 Occupancies</td>
</tr>
<tr>
<td>903.3.1.2.1</td>
<td>Modification</td>
<td>Sprinklers Beneath Balconies</td>
</tr>
<tr>
<td>903.3.1.2.3</td>
<td>Modification</td>
<td>Attics</td>
</tr>
<tr>
<td>903.3.3</td>
<td>Modification</td>
<td>Sprinkler Obstructions</td>
</tr>
<tr>
<td>904.12</td>
<td>Modification</td>
<td>Commercial Cooking Operations</td>
</tr>
<tr>
<td>904.13</td>
<td>Modification</td>
<td>Domestic Cooking in Institutional Occupancies</td>
</tr>
<tr>
<td>Code Section</td>
<td>2018</td>
<td>2015</td>
</tr>
<tr>
<td>--------------</td>
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</tr>
<tr>
<td>904.14</td>
<td>Modification</td>
<td>904.14</td>
</tr>
<tr>
<td>905.3.1</td>
<td>Modification</td>
<td>905.3.1</td>
</tr>
<tr>
<td>905.4</td>
<td>Modification</td>
<td>905.4</td>
</tr>
<tr>
<td>905.11</td>
<td>Modification</td>
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</tr>
<tr>
<td>906.1</td>
<td>Modification</td>
<td>906.1</td>
</tr>
<tr>
<td>907.1.2</td>
<td>Modification</td>
<td>907.1.2</td>
</tr>
<tr>
<td>907.2.1</td>
<td>Modification</td>
<td>907.2.1</td>
</tr>
<tr>
<td>907.2.10</td>
<td>Deletion</td>
<td>907.2.10</td>
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<tr>
<td>907.5.2.4</td>
<td>Modification</td>
<td>907.5.2.4</td>
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<tr>
<td>910.5</td>
<td>Modification</td>
<td>910.5</td>
</tr>
<tr>
<td>916</td>
<td>Modification</td>
<td>916</td>
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</tbody>
</table>
## 2018 IFC Chapter 10: Means of Egress

<table>
<thead>
<tr>
<th>Code Section</th>
<th>2018</th>
<th>2015</th>
<th>Section Title</th>
<th>Description of Change</th>
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</thead>
<tbody>
<tr>
<td>1004.8</td>
<td>Modification</td>
<td>1004.8</td>
<td>Occupant Load Calculation in Concentrated Business Use Area</td>
<td>The method of calculating occupant load in business areas is revised, which allows for larger occupant loads.</td>
</tr>
<tr>
<td>1006.2.1, Table 1006.2.1</td>
<td>Modification</td>
<td>1006.2.1, Table 1006.2.1 Spaces with One Exit or Exit Access Doorway</td>
<td>Determination of cumulative occupant loads is clarified and correlated with other code requirements</td>
<td></td>
</tr>
<tr>
<td>1006.2.2.6, Table 1006.2.1, Table 1017.2</td>
<td>Addition</td>
<td>Groups R-3 and R-4 Protected with NFPA 13D Sprinkler System</td>
<td>Exit access travel distances are provided for Groups R-3 and R-4 when sprinklered with NFPA 13D sprinkler systems.</td>
<td></td>
</tr>
<tr>
<td>1006.3, 1006.3.1 Modification</td>
<td>1006.3, 1006.3.1</td>
<td>Exits on Adjacent Stories</td>
<td>Determining egress requirements has been clarified when the occupants travel to an adjacent story to reach the exit.</td>
<td></td>
</tr>
<tr>
<td>1008.2.3 Addition</td>
<td>1008.2.3</td>
<td>Illumination of the Exit Discharge</td>
<td>Illumination of exit discharge can now terminate at a safe dispersal area.</td>
<td></td>
</tr>
<tr>
<td>1008.3.5, 1008.2.2 Modification</td>
<td>1008.3.5, 1008.2.2</td>
<td>Emergency Illumination in Group I-2</td>
<td>Emergency lighting must meet minimum illumination levels even when one lamp fails in a single luminaire.</td>
<td></td>
</tr>
<tr>
<td>1009.7.2 Modification</td>
<td>1009.7.2</td>
<td>Protection of Exterior Areas of Assisted Rescue</td>
<td>The 1-hour fire-resistance-rated separation between an exterior of assisted rescue and the building is not required if the building is protected with an automatic sprinkler system designed to NFPA 13 or 13R.</td>
<td></td>
</tr>
<tr>
<td>1010.1.1 Clarification</td>
<td>1010.1.1</td>
<td>Size of Doors</td>
<td>The requirements for the door size are revised to correlate with ICC A117.1.</td>
<td></td>
</tr>
<tr>
<td>1010.1.4, 1010.1.4.1 Modification</td>
<td>1010.1.4, 1010.1.4.1</td>
<td>Locking Arrangements in Educational Occupancies</td>
<td>Guidance is provided to allow enhanced security measures yet still meet egress requirements on classroom doors.</td>
<td></td>
</tr>
<tr>
<td>1010.1.9.8, 1010.1.9.8.1 Modification</td>
<td>1010.1.9.8, 1010.1.9.8.1</td>
<td>Delayed Egress</td>
<td>Guidance is provided to allow enhanced security measures yet still meet egress requirements on classroom doors.</td>
<td></td>
</tr>
<tr>
<td>1010.1.9.9, 1010.1.9.10 Clarification</td>
<td>1010.1.9.9, 1010.1.9.10</td>
<td>Electrically Locked Egress Doors</td>
<td>Criteria for electrically locked egress doors have been clarified and correlated.</td>
<td></td>
</tr>
<tr>
<td>1010.1.9.12 Modification</td>
<td>1010.1.9.12</td>
<td>Locks on Stairway Doors</td>
<td>The limitation is removed which prohibited locking doors on the stairway side when the stairway was more than four stories, but less than a high-rise.</td>
<td></td>
</tr>
<tr>
<td>Code Section</td>
<td>Section Title</td>
<td>Description of Change</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>1010.1.10</td>
<td>Panic Hardware and Fire Exit Hardware</td>
<td>Sensor release of electrically locked doors is now allowed on egress doors in Groups A and E. Also, the section is clarified to state that panic hardware or fire exit hardware are only required on swinging doors.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1010.3, 1010.3.1,</td>
<td>Turnstiles</td>
<td>This new section allows security turnstiles, or similar barriers, in the means of egress path.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1010.3.2, 1010.3.3,</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1010.3.4 Modification</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1011.6</td>
<td>Stairway Landings</td>
<td>The method of determining the required width and depth of a stairway landing is clarified.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1013.2</td>
<td>Floor Level Exit Signs in Group R-1</td>
<td>The location of low-level exit signs can now be 18 inches above the floor.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1015.6, 1015.7</td>
<td>Fall Arrest for Rooftop Equipment</td>
<td>The specific criteria in the code on fall arrest systems are removed and the ANSI/ASSE Z395.1 standard now governs the installation.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1017.3, 202 Clarification</td>
<td>Common Path of Egress Travel</td>
<td>Common path of egress travel must be applied to each room or space on every story.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1023.3.1</td>
<td>Stairway Extension</td>
<td>Fire-resistance-rated separation is not required between an interior exit stairway and exit passageways if stairway pressurization is provided.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1023.5, 1024.6</td>
<td>Exit Stairway and Exit Passageway Penetrations</td>
<td>Security system and two-way communication system components are allowed to penetrate the fire-resistant rated enclosure of exit passageways and interior exit stairways and ramps.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1025.1</td>
<td>Luminous Egress Path Marking in Group I Occupancies</td>
<td>Luminous egress path marking is no longer required in high-rise buildings classified as Groups I-2, I-3, and I-4.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1026.4, 1026.4.1</td>
<td>Refuge Areas for Horizontal Exits</td>
<td>Guidance is provided to allow enhanced security measures yet still meet egress requirements on classroom doors.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1029.6, 1029.6.3,</td>
<td>Open-air Assembly Seating</td>
<td>A new term and definition is added for open-air assembly seating.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1029.7, 202</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1029.9.1</td>
<td>Minimum Aisle Width</td>
<td>Minimum aisle widths are clarified with a reference added for minimum widths for accessible routes.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### 2018 IFC Chapter 10: Means of Egress, Continued

<table>
<thead>
<tr>
<th>Code Section</th>
<th>Section Title</th>
<th>Description of Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>1030.1</td>
<td>Emergency Escape and Rescue Openings</td>
<td>Emergency escape and rescue openings are required in Groups R-3 and R-4, and Group R-2 provided with only one means of egress from a story. Also, it is possible to eliminate some, or all, emergency escape and rescue openings from a sprinklered basement.</td>
</tr>
<tr>
<td>1030.1.1</td>
<td>Operation of Emergency Escape and Rescue Openings</td>
<td>Fall prevention devices are allowed on emergency escape and rescue openings provided they comply with ASTM F2090.</td>
</tr>
<tr>
<td>1031.1, 1031.10.1, 1031.10.2</td>
<td>Inspection and Testing of Emergency Egress Lighting</td>
<td>Inspection and testing requirements for emergency egress lighting are relocated into the Chapter 10 Means of Egress and revised to allow self-diagnostics.</td>
</tr>
<tr>
<td>1031.2.2</td>
<td>Locking Arrangements in Existing Educational Occupancies</td>
<td>Guidance is provided to allow enhanced security measures yet still meet egress requirements on classroom doors.</td>
</tr>
<tr>
<td>1031.4</td>
<td>Exit Signs in Existing Buildings</td>
<td>The application of exit sign requirements in existing buildings has been clarified for both installation and maintenance.</td>
</tr>
</tbody>
</table>

### 2018 IFC Chapter 11: Construction Requirements for Existing Buildings

<table>
<thead>
<tr>
<th>Code Section</th>
<th>Section Title</th>
<th>Description of Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>1103.5.1</td>
<td>Fire Sprinklers in Existing Group A-2 Occupancies</td>
<td>A section has been added to Chapter 11 which requires the retrofit installation of a fire sprinkler system in existing Group A-2 occupancies where alcoholic beverages are consumed if the occupant load is 300 or more.</td>
</tr>
<tr>
<td>1103.9</td>
<td>Carbon Monoxide Alarms in Existing Buildings</td>
<td>Carbon monoxide alarms are no longer required to be retroactively installed in existing Groups I-1, I-2, I-4, and R based on occupancy classification. The retroactive installation of carbon monoxide alarms is only required in existing sleeping rooms and dwelling units.</td>
</tr>
<tr>
<td>1104.16.2</td>
<td>Wall Openings Adjacent to Fire Escapes</td>
<td>Door and window openings within 10 feet of a fire escape must be protected with ¾-hour opening protectives unless the building is sprinklered.</td>
</tr>
<tr>
<td>1105.5.4</td>
<td>Fire-protection-rated Doors in Existing Group I-2</td>
<td>Fire protection rated doors in existing Group I-2 occupancies have three options for automatic closing operations.</td>
</tr>
</tbody>
</table>
# 2018 IFC Chapter 12: Energy Systems

<table>
<thead>
<tr>
<th>Code Section</th>
<th>Section Title</th>
<th>Description of Change</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>67</strong> Chapter 12 Addition</td>
<td><strong>Energy Systems</strong></td>
<td>This chapter is new.</td>
</tr>
<tr>
<td><strong>68</strong> Section 1204.5 Addition</td>
<td><strong>Rapid Shutdown for Solar Photovoltaic Power Systems</strong></td>
<td>Rapid shutdown is required on solar photovoltaic systems to reduce the shock hazard to emergency responders.</td>
</tr>
<tr>
<td><strong>69</strong> 1206.2 Modification</td>
<td><strong>Stationary Storage Battery Systems</strong></td>
<td>This revision moves the stationary battery storage system requirements from Section 608 to Section 1206.2 and includes new battery technologies and required safety features.</td>
</tr>
</tbody>
</table>

# 2018 IFC Chapter 22: Combustible Dust-Producing Operations

<table>
<thead>
<tr>
<th>Code Section</th>
<th>Section Title</th>
<th>Description of Change</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>70</strong> Chapter 22 Modification</td>
<td><strong>Combustible Dust</strong></td>
<td>Reference to the new NFPA 652, &quot;Standard on the Fundamentals of Combustible Dust&quot;, is added to provide guidance and criteria when evaluating combustible dust hazards.</td>
</tr>
</tbody>
</table>
### 2018 IFC Chapter 23: Motor Fuel-Dispensing Facilities and Repair Garages

<table>
<thead>
<tr>
<th>Code Section</th>
<th>Section Title</th>
<th>Description of Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>2303.2.1</td>
<td>Addition</td>
<td>Height of Emergency Disconnect Switch</td>
</tr>
<tr>
<td>2303.2.1.1</td>
<td>Addition</td>
<td>This new section provides specific height limitations for emergency disconnect switches for fuel dispensing operations.</td>
</tr>
<tr>
<td>2306.7.3.1</td>
<td>Addition</td>
<td>Protection from Vehicle Impact</td>
</tr>
<tr>
<td>2309.6, 2309.6.1</td>
<td>Modification</td>
<td>Defueling of Hydrogen Fueled Vehicles</td>
</tr>
<tr>
<td>2311.6</td>
<td>Addition</td>
<td>Repair of Vehicles Fueled by CNG and LNG</td>
</tr>
<tr>
<td>2311.8</td>
<td>Modification</td>
<td>Repair of Vehicles Fueled by Lighter-than-air Fuels</td>
</tr>
</tbody>
</table>

### 2018 IFC Chapter 24: Flammable Finishes

<table>
<thead>
<tr>
<th>Code Section</th>
<th>Section Title</th>
<th>Description of Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>2403.2.1.3</td>
<td>Modification</td>
<td>The size of the classified area around spray booth openings is reduced to 3 feet.</td>
</tr>
<tr>
<td>2404.2, 2404.3.1, 2404.3.1.1, 202, 914.9</td>
<td>Modification</td>
<td>Spray Rooms and Spray Booths</td>
</tr>
<tr>
<td>2404.2, 2404.3.1, 2404.3.1.1, 202, 914.9</td>
<td>Modification</td>
<td>Requirements for spray booths and spray operations are correlated between the IFC and IBC.</td>
</tr>
</tbody>
</table>

### 2018 IFC Chapter 28: Motor Fuel-Dispensing Facilities and Repair Garages

<table>
<thead>
<tr>
<th>Code Section</th>
<th>Section Title</th>
<th>Description of Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>2810</td>
<td>Addition</td>
<td>Outdoor Storage of Pallets at Pallet Manufacturing and Recycling Facilities</td>
</tr>
<tr>
<td>2810</td>
<td>Addition</td>
<td>This new section adds criteria for outdoor pallet storage at pallet manufacturing facilities and pallet recycling facilities. It provides specific height limits and separation to property lines and buildings, but also allows for the distances to be modified based on providing additional fire protection features.</td>
</tr>
</tbody>
</table>
## 2018 International Fire (IFC) Summary of Changes

### 2018 IFC Chapter 31: Tents, Temporary Special Event Structures and Other Membrane Structures

<table>
<thead>
<tr>
<th>Code Section</th>
<th>Section Title</th>
<th>Description of Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chapter 31 Clarification</td>
<td>Umbrella Structures</td>
<td>A new definition is added for umbrella structures which results in regulation of umbrella structures when they exceed 400 square feet.</td>
</tr>
<tr>
<td>3103.3.1 Addition</td>
<td>Tents and Membrane Structures Used as Special Amusement Buildings</td>
<td>Special amusement buildings located in temporary tents are required to be equipped with an automatic sprinkler system.</td>
</tr>
<tr>
<td>3103.6, 3103.9, 3103.9.1, 3103.9.2, 3103.9.3 Modification</td>
<td>Structural Stability of Tents</td>
<td>Temporary tents and membrane structures are required to provide construction documents which address their structural stability and load carrying capacity. Larger tents and membrane structures have been added to the list of temporary facilities which must comply.</td>
</tr>
<tr>
<td>3104.2 Addition</td>
<td>Fabrics for Tents and Membrane Structures</td>
<td>The application of testing criteria for flame spread of tent and membrane structures has been clarified.</td>
</tr>
<tr>
<td>3105, 202, 105.6.47, 105.7.22 Addition</td>
<td>Temporary Special Event Structures</td>
<td>The requirements for temporary stage structures are expanded to include all temporary structures greater than 400 square feet when used at special events.</td>
</tr>
<tr>
<td>Section 3106 Addition</td>
<td>Outdoor Assembly Events</td>
<td>This section adds requirements specific to outdoor public gatherings and improves the correlation of requirements in the IBC and IFC.</td>
</tr>
<tr>
<td>3107.3, 3107.13.1, 3107.13.2, 3107.13.3 Modification</td>
<td>LP-gas Containers and Tanks Adjacent to Tents and Membrane Structures</td>
<td>Requirements for the use and separation of LPgas containers in and around tents and membrane structures have been revised.</td>
</tr>
</tbody>
</table>

### 2018 IFC Chapter 32: High-Piled Combustible Storage

<table>
<thead>
<tr>
<th>Code Section</th>
<th>Section Title</th>
<th>Description of Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Modification</td>
<td>Chapter 32 High-Piled Combustible Storage</td>
<td>The requirements in the chapter have been updated to correlate with current NFPA 13 requirements and recent FM Global fire tests.</td>
</tr>
</tbody>
</table>
### 2018 IFC Chapter 33: Fire Safety During Construction and Demolition

<table>
<thead>
<tr>
<th>Code Section</th>
<th>2018</th>
<th>2015</th>
<th>Description of Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>3304.5, 3308, 3309.1</td>
<td>Modification</td>
<td>3304.5, 3308, 3309.1</td>
<td>Fire Watch During Construction and Demolition</td>
</tr>
</tbody>
</table>

### 2018 IFC Chapter 38: Higher Education Laboratories

<table>
<thead>
<tr>
<th>Code Section</th>
<th>2018</th>
<th>2015</th>
<th>Description of Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chapter 38 Addition</td>
<td>Outdoor Assembly Events</td>
<td>A new chapter has been added to the IFC to specifically regulate college and university laboratories. Correlating sections have been added to a new Section 427 in the IBC.</td>
<td></td>
</tr>
</tbody>
</table>

### 2018 IFC Chapter 39: Processing and Extraction Facilities

<table>
<thead>
<tr>
<th>Code Section</th>
<th>2018</th>
<th>2015</th>
<th>Description of Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chapter 39 Addition</td>
<td>Plant Processing and Oil Extraction Facilities</td>
<td>A new chapter has been added to the IFC to specifically regulate the process of extracting oils from plant material.</td>
<td></td>
</tr>
</tbody>
</table>


<table>
<thead>
<tr>
<th>Code Section</th>
<th>2018</th>
<th>2015</th>
<th>Description of Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Table 5003.1.1, Section 202</td>
<td>Modification</td>
<td>Table 5003.1.1, Section 202</td>
<td>Consumer Fireworks</td>
</tr>
<tr>
<td>Table 5003.1.1(1), Table 5003.11.1, Section 6303.1.1.2</td>
<td>Modification</td>
<td>Table 5003.1.1(1), Table 5003.11.1, Section 6303.1.1.2</td>
<td>Maximum Allowable Quantity for Class 3 Oxidizers</td>
</tr>
<tr>
<td>5003.8.3.4</td>
<td>Modification</td>
<td>5003.8.3.4</td>
<td>Control Area Construction</td>
</tr>
<tr>
<td>5005.1.12</td>
<td>Modification</td>
<td>5005.1.12</td>
<td>Protection of Hazardous Materials Piping Systems</td>
</tr>
</tbody>
</table>
### 2018 IFC Chapter 51: Aerosols

<table>
<thead>
<tr>
<th>Code Section</th>
<th>Section Title</th>
<th>Description of Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>5103.2, 5103.2.1,</td>
<td>Aerosol Products in Plastic Containers</td>
<td>Limitations on aerosol products in plastic containers is revised and the use of Plastic Aerosol X products is prohibited in higher life hazard occupancies.</td>
</tr>
<tr>
<td>5103.2.3, 5104.1.2,</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5104.2.2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Modification</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5104.8, 5140.8.1,</td>
<td>Aerosol Cooking Spray Products</td>
<td>Specific fire protection requirements are added to address aerosol cooking spray products.</td>
</tr>
<tr>
<td>5104.8.2, 5104.3.3,</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5106.2.2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Addition</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 2018 IFC Chapter 53: Compressed Gases

<table>
<thead>
<tr>
<th>Code Section</th>
<th>Section Title</th>
<th>Description of Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>5306.1, 5306.2,</td>
<td>Medical Gas Storage</td>
<td>Requirements for construction and ventilation of interior medical gas rooms and gas cabinets are revised.</td>
</tr>
<tr>
<td>5306.2.1, 5306.2.2,</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5306.2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Modification</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5307.1, 5307.3,</td>
<td>Liquid Carbon Dioxide Systems for Beverage Dispensing</td>
<td>Requirements for liquefied CO2 in beverage dispensing applications have been correlated with requirements for gas detection systems.</td>
</tr>
<tr>
<td>5307.1.1, 5307.3.1,</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5307.3.2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Modification</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5307.4, 5307.4.1,</td>
<td>Carbon Dioxide Enrichment Systems</td>
<td>Carbon dioxide enrichment systems area regulated by the Fire Code when the system contains more than 100 pounds of CO2, or when the refill connection is remote from the tank or vessel.</td>
</tr>
<tr>
<td>5307.4.2, 5307.4.3,</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5307.4.4, 5307.4.5,</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5307.4.6, 5307.4.7</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Addition</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 2018 IFC Chapter 57: Mobile Fueling Operations

<table>
<thead>
<tr>
<th>Code Section</th>
<th>Section Title</th>
<th>Description of Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>5707</td>
<td>Mobile Fueling Operations</td>
<td>On-demand mobile fueling is allowed to occur at approved locations and under the control of a permit issued by the fire code official.</td>
</tr>
</tbody>
</table>
## 2018 IFC Chapter 61: Liquefied Petroleum Gases

<table>
<thead>
<tr>
<th>Code Section</th>
<th>Section Title</th>
<th>Description of Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Table 6104.3</td>
<td>Location of LP-gas Containers</td>
<td>New Footnote g specifies separations between above-ground LP-gas containers and public ways.</td>
</tr>
</tbody>
</table>
Adoption

5-12-1: Declaration Of Intent

It is the intent of the Council, by the passage of this chapter, to adopt minimum standards necessary to safeguard life and limb, health, property and public welfare by regulating: a) the storage, use and handling of dangerous and hazardous materials, substances, devices and processes; b) the maintenance of buildings, premises and certain equipment; c) the maintenance of adequate egress facilities; d) construction and remodel of buildings and premises in cooperation with the International Building Code as administered by Planning and Development Services; and e) fire safety measures for minimizing losses of life and property. It is the further intent of the Council not to duplicate, overlap or conflict with codes adopted by the Council heretofore, and as said codes are hereafter amended, which provide minimum standards necessary to safeguard life or limb, health, property and public welfare by regulating and controlling the design, layout, construction, quality of materials, use, occupancy and location of buildings and certain equipment required for the construction and operation of buildings. However, it is the intent of the Council by this chapter to acknowledge that in addition to setting maintenance requirements, the International Fire Code also regulates new construction. It is therefore the intent of Council to coordinate the provisions of the International Fire Code with the various International Codes (Building, Plumbing, Gas and Mechanical) so that these various International Codes complement each other to regulate construction, installation and occupancy use. (1952 Code § 7-01-01)

5-12-2: Code Adopted

Intending each provision to have the force and effect of ordinance, the Council hereby adopts all the rules, regulations and ordinances of a general and permanent character relating and applying to and regulating: a) the storage, use and handling of dangerous and hazardous materials, substances, devices and processes; b) the maintenance of buildings, premises and certain equipment; c) the maintenance of adequate egress facilities; d) construction and remodel of buildings and premises; and e) fire safety measures for minimizing losses of life and property, as said rules, regulations and ordinances are printed and contained in a book in Code form designated and entitled International Fire Code, 2006 edition, printed and published by the International Fire Code Institute with the amendments contained in this chapter. (1952 Code § 7-01-02)

Amendments To Chapter 1 Of The IFC

5-12-3: Amendment To Section 101.1, Title
Section 101.1 is amended to read as follows:

101.1 Title. These regulations shall be known hereafter as the Fire Code of Boise City, hereinafter referred to as "this Code".

(1952 Code § 7-01-03)

5-12-4: Amendment To Section 101.4, Severability

Section 101.4 is revised to read as follows:

101.4 Severability. If any clause, sentence, paragraph, section, or any part of this ordinance shall be adjudged to be invalid or unconstitutional by a court of competent jurisdiction, such invalidity or unconstitutionality shall not effect, invalidate or nullify the remainder of this ordinance.

(1952 Code § 7-01-04)

5-12-5: Amendment To Section 103.2, Appointment

Section 103.2 is amended to read as follows:

103.2 Appointment. The Code official shall be appointed by the chief appointing authority of the jurisdiction. The Fire Chief shall be defined as the chief appointing authority and shall function as the Code official. The Chief may appoint the Fire Marshal to act as the Code official.

(1952 Code § 7-01-05)

5-12-6: Amendment Adding Section 103.3.1, Fire Marshal

Add section 103.3.1 to read as follows:

The Chief is authorized to designate a member of the Fire Department to exercise the powers and perform the duties of Fire Marshal as set forth in this Code. The Fire Marshal, under the direction of the Fire Chief, shall manage the Fire Prevention Bureau and shall be responsible for fire prevention programs of the Department of Fire and for the enforcement of this chapter and title 1, chapter 10, article E, title 2, chapter 3, and title 7, chapter 7, article A of the Boise City Code and the International Fire Code as adopted by the City Council.

The Fire Marshal or his representative shall sign all certificates, notices, and orders pertaining
to fire control and fire hazards. A record of all certificates, notices, orders, and inspections made by the bureau, including the date of such inspections and a summary of any violations found to exist, the date of the service of notices, a record of the final disposition of all violations and a record of all other transactions and operations of the bureau shall be kept for a period of time consistent with the requirements of this Code. Such records shall be open to the inspection of the Mayor and Council.

(1952 Code § 7-01-06)

5-12-7: Amendment Adding Section 103.3.2, Assistant Fire Marshal

Add section 103.3.2 to read as follows:

103.3.2 Assistant Fire Marshal. The Chief is authorized to establish an Assistant Fire Marshal position to assist the Fire Marshal as is deemed necessary.

(1952 Code § 7-01-07)

5-12-8: Amendment Adding Section 105.1.4, Starting Work Before Securing Permit

Add section 105.1.4 to read as follows:

Section 105.1.4 Starting Work Before Securing A Permit. It is unlawful to commence any work or cause work to be commenced before obtaining the necessary permits.

Exception: Emergency installation work which modifies the system, such as replacement of a defective fire alarm panel, sprinkler valve, or other component, with a different make or model, which is performed during off business hours to mitigate an impairment of the system. Such emergency installation work shall be reported to PDS/Fire on the next business day and a permit obtained for the work performed.

(1952 Code § 7-01-08)

5-12-9: Amendment Adding Section 105.1.1.1, Fire Department Plan Review

Add section 105.1.1.1 to read as follows:

105.1.1.1 Declaration Of Intent. It is the intent of the Council by passage of this section to adopt minimum standards of life and property safety by requiring that all commercial building plans be submitted to the Fire Department for review for compliance with the International Fire Code as adopted and amended. It is further the intent of the Council that to avoid confusion, any amendments, waivers, variances, or approved equivalents to sections of the International
Building Code, or any other adopted Code in the City, which are duplicated in the International Fire Code do not automatically constitute amendment, waiver, variance, or approved equivalent of the affected section of the Fire Code, unless the Fire Code official has specifically approved an amendment, waiver, variance, or an equivalent of the affected section of the Fire Code.

In addition to those items specified elsewhere in this Code, the Fire Department shall review and approve plans for the following before a building permit is issued:

1. All new commercial buildings;
2. All remodels in commercial buildings requiring modification to fire sprinklers;
3. Any change of occupancy classification of a building or any part thereof;
4. New residential occupancies of four (4) or more units;
5. Commercial parking lots;
6. Commercial grading or drainage.

(1952 Code § 7-01-09)

5-12-10: Amendment To Sections 105.2.1.1 And 105.2.1.2, Re-review Fee

Add sections 105.2.1.1 and 105.2.1.2 to read as follows:

105.2.1.1 Re-Review Fee. The Code official is authorized to assess a fee for re-reviewing plans, including but not limited to, construction or fire protection systems which have been rejected for not satisfying the requirements of this Code. The re-review fee shall apply to each resubmittal starting with the third review. The re-review fee shall be in accordance with the conditions, amounts, and limitations listed in the adopted and amended edition of the Building Code.

105.2.1.2 Plan Modifications. Plan revisions submitted for approval after a permit and approved plans have been issued, shall be charged the normal permit fee based on the number of heads/initiating devices affected (hydraulically or electrically) by the modification.

(1952 Code § 7-01-10)

5-12-11: Amendment To Section 105.3.3, Occupancy Prohibited Before Approval
Add paragraphs to the end of section 105.3.3 to read as follows:

No Certificate of Occupancy, temporary Certificate of Occupancy, or any other documentation indicating or implying that the requirements of this Code have been satisfied or allowing occupancy shall be issued or renewed until the Fire Department has approved issuing said documentation. This paragraph shall include temporary or special events requested for such buildings such as, but not limited to, vacant buildings, buildings under construction, or buildings with an Occupancy Certificate approving a different occupancy than that required for the event.

All buildings, new and existing, within Boise City shall have a valid Certificate of Occupancy or equivalent issued by the Building Department.

Temporary Occupancy. In buildings of phased construction, a temporary Certificate of Occupancy, as approved by the Fire Code official, shall be permitted; provided, that the Fire Code official determines those portions of the building to be occupied meet the requirements of this Code and that the remainder do not pose a significant hazard to the safety of the proposed occupants or adjacent buildings. The Fire Code official shall set a time period during which the temporary Certificate of Occupancy is valid.

(1952 Code § 7-01-11)

5-12-12: Amendment To Section 105.4.3, Applicant Responsibility

Add a paragraph to the end of section 105.4.3 to read as follows:

Where this Code as adopted, or the referenced standards, indicates "where approved by the Fire Code official" or similar wording of this intent, the permit application shall include a separate written request for Fire Code official approval, citing the specific Code section involved and including all pertinent details necessary for an evaluation of the request. "Approval" cannot be assumed until it has been specifically requested and granted by the Fire Code official.

(1952 Code § 7-01-12)

5-12-13: Amendment To Section 105.8, Permit Fees

Add section 105.8 to read as follows:

105.8 Permit Fees. Permit fees shall be as contained in the permit fee list as adopted by resolution. The appropriate fee shall accompany the permit application.

(1952 Code § 7-01-13)
5-12-14: Amendment Adding Section 106.5, Re-inspection Fee

Add section 106.5 to read as follows:

106.5 Re-Inspection Fees. A re-inspection fee may be assessed for each re-inspection when such portion of work for which inspection is called is not completed or when corrections called for are not made within the allotted time. This section is not to be interpreted as requiring re-inspection fees the first time a premises is noted as failing to comply with the requirements of this Code, but as controlling the practice of calling for inspections before the job is ready for such inspection, or ignoring the allotted time in which to correct a Code deficiency.

Re-inspection fees necessitated by noncompliance with requirements or conditions associated with construction work and a building permit, or for failing to request said required inspections, shall be in accordance with the conditions, amounts, and limitations listed in the adopted and amended edition of the Building Code. Re-inspection fees necessitated by noncompliance with requirements associated with periodic inspections of existing buildings authorized by this Code shall be equal to the cost recovery of the inspection.

(1952 Code § 7-01-14)

5-12-15: Amendment To Section 108.1, Board Of Appeals

To the end of section 108.1, add the following to read:

The Board shall be made up of five (5) members, one of which shall specifically be a representative of the fire sprinkler industry. Candidates for the dedicated "sprinkler" position shall possess at least one of the following qualifications:

1. Be certified by the National Institute for Certifying Engineering Technologies (NICET) at Level III or higher in fire sprinkler layout or,

2. Own a fire sprinkler firm or,

3. Manage a fire sprinkler firm.

The length of service for each appointment shall be four (4) years.

(1952 Code § 7-01-15)

5-12-16: Amendment To Section 109.3, Violation Penalties
Amend section 109.3 by inserting the following to read:

shall be guilty of a misdemeanor punishable by a fine of not more than one thousand dollars ($1,000.00) or by imprisonment not exceeding six (6) months or both...  
(1952 Code § 7-01-16)

5-12-17: Amendment To Section 111.4, Failure To Comply

Amend section 111.4 to read as follows:

Any person who shall continue to perform any work after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be guilty of a misdemeanor punishable by a fine of not more than one thousand dollars ($1,000.00) or by imprisonment not exceeding six (6) months, or both such fine and imprisonment. Each day that a violation continues after due notice has been served shall be deemed a separate offense.  
(1952 Code § 7-01-17)

Amendments To Chapter 2 Of The IFC

5-12-18: Amendment To Section 202, General Definitions

Code Official. The Fire Chief is the Code official. The Fire Chief may designate the Fire Marshal or the Assistant Fire Marshal to act as the Code official.  
(1952 Code § 7-01-18)

5-12-19: Amendment To Section 202, General Definitions

Education Group E, Daycare, is amended to read as follows:

The use of a building or structure, or portion thereof for educational, supervision or personal care services for more than twelve (12) children older than two and one-half (2½) years of age, shall be classified as a Group E occupancy and shall also be regulated by adopted City ordinances for childcare facilities. Exception: Daycare services provided for twelve (12) or fewer children of any age in residential buildings governed by the International Residential Code, as set forth in IBC section 101.2, shall be exempt from this provision and shall be regulated by adopted City ordinances for child care facilities.  
(1952 Code § 7-01-19)
5-12-20: Amendment To Section 202, General Definitions

Group I-4, Daycare Facilities, is amended to read as follows:

A facility that provides supervision and personal care on a less than twenty-four (24) hour basis for more than twelve (12) children, two and one-half (2 1/2) years of age or less, shall be classified as Group I-4 and shall also be regulated by adopted City ordinances for childcare facilities. Exception: Daycare services provided for twelve (12) or fewer children of any age in residential buildings governed by the International Residential Code, as set forth in IBC section 101.2, shall be exempt from this provision and shall be regulated by adopted City ordinances for childcare facilities.

Group R-3 Occupancies, Daycare Facilities, shall be amended to add the following:

...and shall be regulated by adopted City ordinances for childcare facilities. Exception: Daycare services provided for twelve (12) or fewer children of any age in residential buildings governed by the International Residential Code, as set forth in IBC section 101.2, shall be exempt from this provision and shall be regulated by adopted City ordinances for childcare facilities.

(1952 Code § 7-01-20)

Amendments To Chapter 3 Of The IFC

5-12-21: Amendment Adding Section 304.1.2.1, Weed And Grass Mitigation

Add section 304.1.2.1 to read as follows:

304.1.2.1 Weed And Grass Mitigation. When cut or uncut weeds, grass, vines, and other vegetation are over ten inches (10") in height or otherwise determined by the Code official to be a fire hazard, the owner shall be notified of the hazard by registered or certified mail addressed to said owner at his last known address or hand delivered. Upon failure, neglect, or refusal of any owner or agent to abate the hazard by cutting or removing the vegetation within five (5) days of receipt of the notice or five (5) days after the date of said notice if it is returned as undelivered, the Code official is hereby authorized and empowered to pay for cutting and removing cut or uncut weeds, grass, vines, and other vegetation, as authorized by Idaho Code section 50-317. The charges for cutting and removing cut or uncut weeds, grass, vines, and other vegetation shall constitute a special assessment and be collected as authorized under Idaho Code section 50-1008.

(1952 Code § 7-01-21)
5-12-22: Amendment To Section 307, Open Burning

Section 307.2 is revised to read as follows:

307.2 Permit Required. The following types of fires may be allowed provided the proper permit is obtained through the Fire Department:

A. Field burning where there is no alternative cropping practice which provides equivalent benefits.

B. Irrigation ditches and fence rows.

C. Fires used for control or alleviation of a fire hazard, where no other means is available.

D. Fires used in the training of organized firefighting personnel.

E. Special fires allowed at the discretion of the Boise City Fire Department. Special fires are fires not falling into A through D above.

(1952 Code § 7-01-22)

5-12-23: Amendment Adding Section 307.2.2, Air Quality Index

Add section 307.2.2 to read as follows:

307.2.2. All open burning, even if a valid permit has been issued or no permit is required, is prohibited when the air quality index (AQI) as reported by the Idaho Department of Environmental Quality (DEQ) reaches sixty (60) or higher for any pollutant. It is the responsibility of the holders of valid permits or anyone wishing to ignite a fire for which no permit is required to determine the level of the AQI prior to igniting any fire. The daily AQI may be determined by calling DEQ or visiting the DEQ web page.

(1952 Code § 7-01-23)

Amendments To Chapter 4 Of The IFC

5-12-24: Amendment Adding Section 401.3.4, Cost Recovery For False Alarms

401.3.4 Cost Recovery For False Alarms. The Code official shall be authorized to seek emergency response cost recovery from the responsible party for false alarms as defined in section 5-13-2 of the Boise City Code. Emergency response cost recovery for false alarms shall
be as specified in section 5-13-3 of the Boise City Code and in such amounts as specified in the fee schedule approved by Mayor and Council applicable at the time of the false alarm.

(1952 Code § 7-01-24)

5-12-25: Amendment Adding Section 401.3.5, Silencing Fire Alarms

Add section 401.3.5 to read as follows:

401.3.5 Silencing Fire Alarms. It is prohibited for anyone other than Fire Department personnel or fire protection system contractors while in the performance of their duties to silence, restore, or reset a fire alarm system without the expressed permission of the Fire Department.

(1952 Code § 7-01-25)

5-12-26: Amendment Adding Section 401.6, Cost Recovery For Illegal Fires

401.6 Cost Recovery For Illegal Fires. The Code official is authorized to seek emergency response cost recovery from the responsible party for illegal fires, as defined in section 5-13-2 of the Boise City Code. Emergency response cost recovery for illegal fires shall be as specified in section 5-13-3 of the Boise City Code and in such amounts as specified in the fee schedule approved by Mayor and Council applicable at the time of the illegal fire.

(1952 Code § 7-01-26)

Amendments To Chapter 5 Of The IFC

5-12-27: Amendment Adding Section 501.5, Authority For Establishing Standards And Requirements For Fire Access Roads

Add a section 501.5 to read as follows:

501.5 Authority For Establishing Standards And Requirements For Fire Access Roads. The Ada County Highway District (ACHD) is the authority that regulates all aspects of public streets. However, should ACHD remain silent on an issue, or in the event ACHD defers a decision to the Fire Department, the standards in this Code shall be considered requirements.

In addition, the Fire Department shall be considered as the authority having jurisdiction and the requirements of this Code shall apply to any and all fire access roads considered to be or defined as "private" and therefor not in the jurisdiction of ACHD. Furthermore, it is the intent of the Boise City Fire Department that the standards of this Code be considered as the Fire Department’s official position on fire access roadways whether public or private. The Fire
Department requests that ACHD incorporate the standards in this Code into their standards. (1952 Code § 7-01-27)

5-12-28: Amendment Adding To Section 503.1.1, Buildings And Facilities, Exceptions

Add to section 503.1.1 exception 4 as follows:

4. The structures are used solely as public restrooms or public picnic shelters and meet all of the following: single story, above grade, noncombustible construction, five hundred (500) square feet or less in area within the surrounding exterior walls or within the horizontal projections of the roof for unenclosed structures; sixty foot (60') open yards on all sides. (1952 Code § 7-01-28)

5-12-29: Amendment To Section 503.2.4, Turning Radius

Add a sentence to the end of section 503.2.4 to read as follows:

The minimum outside turning radius shall be forty-eight feet (48'). The minimum inside turning radius shall be twenty-eight feet (28'). (1952 Code § 7-01-29)

5-12-30: Amendment To Section 503.2.6, Bridges And Elevated Surfaces

Add the following paragraph to the end of section 503.2.6:

The Fire Department shall require that bridges over the Boise River provide a minimum of eight feet (8') clearance between the lowest part of the bridge and the water surface at three thousand (3,000) cfs flow. (1952 Code § 7-01-30)

5-12-31: Amendment Adding Section 503.7, Barricade Specifications

Add section 503.7 to read as follows:

503.7 Barricade Specifications. If other city or county agencies require that emergency vehicle access roadways be secured with a barricade, chain, gate, or bollard, such barricade must meet the following criteria: Removal or opening of said barricade must result in a clear unobstructed road width of twenty feet (20'). Chains and locks shall be of such quality so as not to damage
Fire Department cutting tools nor shall cutting operations result in any unnecessary time delay. Bollards must be of an easily removable type, shall leave nothing protruding up from the roadway surface when removed, and shall be approved by the Code official. If gates are electronically operated they shall: 1) be of a fail open version in the event of loss of power; and 2) be equipped with an automatic opening mechanism activated by the Opticom system currently in use by the Fire Department.

(1952 Code § 7-01-31)

5-12-32: Amendment Adding Section 503.8, No Parking

Add section 503.8 to read as follows:

503.8 No Parking. Areas where parking is prohibited shall be so designated by curb markings or "No Parking" signs by one of the following methods:

1. "No Parking Fire Lane" (or approved or standardized equal) signs shall be placed at all points of entry to properties or subdivisions and at seventy five foot (75') intervals on all sides of a vehicle pathway on which parking is prohibited. Signs shall face oncoming traffic.

2. "Notice All Roads Are Fire Lanes Park Only In Designated Parking Areas" (or approved or standardized equal) signs shall be placed at all points of entry to properties or subdivisions with marked parking stalls and shall face traffic entering the property.

3. All curbs along roads or lanes where parking is prohibited shall be painted red, contain three inch (3") high by three-fourths inch (3/4") stroke white letters reading "Fire Lane-No Parking" (or other approved marking), with the lettering spaced every fifty feet (50') on center.

4. It shall be considered as an approved alternative to items 1 through 3 above for "No Parking Fire Lane" designations to be in accordance with ACHD standards for such markings.

(Ord. 16-17, 5-9-2017)

5-12-33: Amendment Adding Section 503.9, Traffic Calming Devices

Add new section 503.9 to read as follows:

503.9 Traffic Calming Devices. The Fire Department shall prohibit the installation of traffic delaying or traffic calming devices without the approval of the Code official. Prohibited devices include, but are not limited to, speed bumps, speed humps, speed dips, chokers, circles, or
5-12-34: Amendment Adding Section 503.10, Dive Boat Access

Add section 503.10 entitled Dive Boat Access to read as follows:

503.10 Dive Boat Access. The Code official may require developments or construction projects to provide access to waterways including, but not limited to, rivers, creeks, canals, ponds, or lakes. Dive team boat access shall meet all the standards and requirements specified in this Code except as follows:

1. Dive rescue boat access roads shall be capable of supporting twelve thousand (12,000) pounds gross vehicle weight;

2. Shall be twelve feet (12') wide;

3. Shall provide ten inches (10") of ground clearance;

4. Shall have a maximum grade of twenty percent (20%) on the launch ramp;

5. Shall be asphalt, concrete, or ACHD approved road mix surface;

6. Shall have a minimum of three feet (3') of water at eight hundred (800) cfs flow at the launch point;

7. Shall have a minimum outside turning radius of twenty five feet (25').

5-12-35: Amendment Adding Section 503.11, Opticom

Add section 503.11 to read as follows:

503.11 Opticom. All new traffic control signals installed after the adoption of this Code shall be equipped with the Fire Department Opticom system.

5-12-36: Amendment Adding Section 505.3, Address For Corner Lots
Add section 505.3 to read as follows:

505.3 Building Access And Addresses. If a building on a corner lot has primary access to the building or parking lot from a street other than the address street, the building number and the street name/number shall appear on both faces of the building.
(1952 Code § 7-01-36)

5-12-37: Amendment Adding Section 505.4, Address For Tenant Space

Add section 505.4 to read as follows:

505.4 Tenant Space Addresses. All individual tenant spaces shall be readily identified by a suite or space number, letter, or other approved method. Such suite or space designation shall be consistent with all building maps, building directories, and fire alarm system identification methods for the site.
(1952 Code § 7-01-37)

5-12-38: Amendment Adding Section 505.5, Address For Multi-family Dwellings

Add section 505.5 to read as follows:

505.5 Multi-Family Dwelling Address.

A. When individual apartment, condominium, or townhouse structures within a common complex are designated with separate addresses, individual unit numbers shall be assigned so there is no duplication of unit designations within a building. First floor shall be 100 series, second floor 200 series and so on for each successive floor. Basements shall be 10 series if the next higher floor is designated the first floor; or basements shall be designated 100 series if the next level is called the second floor.

B. When apartment, condominium, or townhouse complexes (more than one structure) have been assigned one address, each individual building shall also be assigned a letter. Unit or apartment numbers shall then be assigned in the 10, 100, 200, 300 series per floor as identified in paragraph A of this section.
(1952 Code § 7-01-38)

5-12-39: Amendment Adding Section 506.1.2, Key Boxes Required
Add section 506.1.2 to read as follows:

506.1.2 Key Boxes Required. Unless determined otherwise by the Code official, key boxes are required for all structures with fire alarm or sprinkler systems which are connected to a monitoring service.

Exception: The Code official may approve a twenty-four (24) hour on location security service as negating the requirement for a key box.
(1952 Code § 7-01-39)

5-12-40: Amendment Adding Section 508.1.1, Hydrant Distance To Buildings

Add section 508.1.1 to read as follows:

508.1.1 Fire Hydrant Distance From Buildings. Fire hydrants shall not be installed closer than forty feet (40') to buildings. In such areas of the City where forty feet (40') is an impractical distance, the Code official may allow a lesser distance.
(1952 Code § 7-01-40)

5-12-41: Amendment To Section 508.2, Type Of Water Supply

To the end of the first sentence of section 508.2, add the following to read:

...at minimum twenty (20) psi residual pressure.
(1952 Code § 7-01-41)

5-12-42: Amendment Adding To Section 508.5.1, Fire Hydrant Systems, Where Required, Exception 3

To section 508.5.1, add exception 3 as follows:

3. Structures used solely as public restrooms or public picnic shelters which meet all of the following: single story, above grade, noncombustible construction, five hundred (500) square feet or less in area within the surrounding exterior walls or within the horizontal projections of the road for unenclosed structures; sixty foot (60') open yards on all sides.
(1952 Code § 7-01-42)
5-12-43: Amendment Adding Section 508.6, Fire Hydrant Supply Connection

Add section 508.6 to read as follows:

508.6 Fire Hydrant Supply Connections. It shall be prohibited for underground water supply lines with a single connection from a municipal main to supply both fire hydrants and fire suppression systems. Looped supply lines that are supplied from two (2) points of connection shall be allowed for hydrants and fire suppression system supplies.
(1952 Code § 7-01-43)

5-12-44: Amendment Adding Section 508.7, Acceptable Hydrant Makes And Models

Add section 508.7 to read as follows:

508.7 Acceptable Hydrant Makes And Models. Unless otherwise approved by the Fire Department, acceptable hydrant models are limited to: 1) Waterous Pacer 100; 2) Mueller Centurion; and 3) Clow Medallion.
(1952 Code § 7-01-44)

5-12-45: Amendment Adding Section 508.8, Hydrant Installation Specifications

Add section 508.8 to read as follows:

508.8 Hydrant Installation Specifications. Maintenance and installation of fire hydrants shall require prior approval of the water purveyor. It is a specific misdemeanor violation of this section for site improvements such as landscaping to result in a condition where a hydrant falls into noncompliance with the requirements of the water purveyor or this Code. Further, the largest diameter outlet, commonly referred to as the steamer connection, shall face the street as opposed to facing driveways.
(1952 Code § 7-01-45)

5-12-46: Amendment Adding Language To Section 509.1, Fire Command Center

Amend item 13 to read as follows:

13. The work table surface shall be at least three foot by five foot (3' x 5').
(1952 Code § 7-01-46)
5-12-47: Amendment Adding Section 510.2, FACP Location And Signs

Add section 510.2 to read as follows:

510.2 Fire Alarm Control Panel Location And Signs. When a fire alarm control panel (FACP) is mounted in such a location or room so as to not be in obvious view from the front entry of the building, a remote annunciator shall be provided at the main entrance of the building, and approved signs shall be posted for the purpose of leading emergency personnel to the room or location of the FACP.

(1952 Code § 7-01-47)

Amendments To Chapter 9 Of The IFC

5-12-48: Addition To Section 901.2, Construction Documents

Add new paragraphs to the end of section 901.2 to read as follows:

When fire protection construction documents or calculations are required, a minimum of three (3) and a maximum of five (5) complete sets of layout documents shall be submitted for review. Contractors may copy approved sets that have been returned. However, any copies made from City approved documents must be complete and contain all the information required of original sets plus the City's plan review notes. The issued plan set stamped "These plans must be kept on the job site at all times", and the FIR permit inspection record card shall be kept on the job site from the start of work until the job has passed all the final acceptance inspections and the FIR permit inspection record card is signed indicating final acceptance by the Fire Inspector.

Construction documents shall be consistent with the approved building plans and each set shall include all the information listed in relevant sections of this Code and the appropriate standard for the system in question, copies of material data sheets on all system equipment, including but not limited to valves, sprinklers and escutcheons, water supply data cover sheet, switches, detectors, horns, strobes, batteries, and control panels. The Code official reserves the right to request additional information when such information is considered necessary to determine compliance with the Code and appropriate standards. It shall be the responsibility of the submitting contractor to compile the construction documents, and resubmittal information, into complete sets.

Construction documents shall be required when:
A. Any fire protection system is to be installed or modified, regardless of the number of sprinkler or alarm devices involved or the dollar value of the work.

B. The Code official reserves the right to waive the requirement of such a submittal when in his opinion a review is not necessary to verify compliance.

(1952 Code § 7-01-48)

5-12-49: Amendment Adding Section 901.4.2.1, Voluntary Fire Alarm System Installation

Add section 901.4.2.1 to read as follows:

901.4.2.1 Voluntary Fire Alarm System Installation. When fire alarm systems not required by this or any other Code are installed, the notification appliances shall meet the same minimum layout, installation, and performance requirements for systems which are required by this or any other Code. Nonrequired fire alarm systems shall provide the same level of occupant notification that required systems provide. Partial automatic or manual activation alarm systems are allowed provided they are installed in accordance with the requirements and limitations of the appropriate standard.

(1952 Code § 7-01-49)

5-12-50: Amendment Adding Section 903.1.2, Sprinkler System Control Valve Location And Signs

Add section 903.1.2 to read as follows:

903.1.2 Sprinkler System Control Valve Location And Signs. Unless specifically approved by the Code official, the fire sprinkler system main control valve(s) shall be installed in any one of the following configurations:

1. A post indicator valve (PIV). Where practical a PIV shall be installed at least forty feet (40') from the building.

2. A wall post indicator valve (WPIV).

3. A valve(s) installed on the riser itself provided the sprinkler riser room is separated from the building on all sides by a one hour occupancy separation assembly, including opening and penetration protection, as defined by the Building Code. In addition to any other access doors, direct access into the riser room from the outside shall be provided. Signs identifying doors
leading to the sprinkler system control assembly shall be permanently affixed to all doors so as to clearly identify the path to the riser assembly.

The valve configurations required in this section are listed in order of preference, not in order of requirement.

(1952 Code § 7-01-51)

5-12-51: Amendment Adding Section 903.1.3, Floor Control Assemblies

Add section 903.1.3 to read as follows:

903.1.3 Floor Control Assemblies. Unless approved otherwise by the Code official, sprinkler systems in any building two (2) or more levels in height shall be separated by floor control assemblies in addition to main control and alarm features. Floor control assembly components shall include, but not be limited to, properly placed and installed control valve, alarming device, test and drain assembly, and pressure gage.

Exception: Systems installed in one- and two-family dwellings.

(1952 Code § 7-01-52)

5-12-52: Amendment Adding Section 903.1.4, "spec" Warehouse Sprinkler Systems

Add section 903.1.4 to read as follows:

903.1.4 "Spec" Warehouse Sprinkler Systems. Fire sprinkler systems installed in warehouse-type buildings commonly referred to as "spec" warehouses where storage heights of combustible materials over twelve feet (12') are possible, but exact commodity and height are unknown, shall meet the following criteria:

At a minimum, systems shall be for Class IV commodity, to the maximum available storage height, allowing for in-rack sprinklers, with high temperature sprinklers at the ceiling. It should be noted that if the warehouse is used to store a higher commodity class material, upgrades to the sprinkler system will be required. (See also NFPA 13 Appendix A.)

This section is not intended to prohibit the use of ESFR sprinkler systems.

It shall be the responsibility of the Code official to evaluate all requests for a system layout meeting the requirements for a less hazardous storage configuration.

(1952 Code § 7-01-53)
5-12-53: Amendment Adding Section 903.3.1.3.1, NFPA 13D Sprinkler Alarms

Add section 903.3.1.3.1 to read as follows:

903.3.1.3.1 NFPA 13D Sprinkler Alarms. Any and all NFPA 13D systems shall be equipped with an alarm initiating device, commonly referred to as a flow switch, and an outside-alarm indicating device.

(1952 Code § 7-01-54)

5-12-54: Amendment Adding Section 903.3.5.2, Secondary Water Supply

Add paragraph to end of the section to read:

Note: It shall be acceptable to use a combination of a single fire tank conforming to the requirements of NFPA 22 and a single fire pump conforming to the requirements of NFPA 20 to meet this secondary water requirement, where the tank is automatically filled from the primary City supply and a bypass suction connection is provided to supply the fire pump in the event the tank is out of service, and a Fire Department pumper section connection with appropriate system valving is provided to allow the Fire Department to draw the water from the tank under a positive pressure and pressurize the standpipe with the required sprinkler and hose stream demand, in the event the fire pump is out of service. The hose-stream design requirement shall not be less than that specified in NFPA 13 for combined inside and outside hose streams. Alternative designs shall provide equivalent redundancy and shall be subject to approval by the Code official.

(1952 Code § 7-01-55)

5-12-55: Amendment Adding Section 903.3.8, Depth Of Cover

Add section 903.3.8 to read as follows:

903.3.8 Depth Of Cover. The depth of cover over underground sprinkler water pipes shall be four feet six inches (4'6"), measured from the top of the pipe to finished grade.

(1952 Code § 7-01-56)

5-12-56: Amendment Adding Section 905.1.1, Standpipe Hose

Add section 905.1.1 to read as follows:
905.1.1 Standpipe Hose. Any requirement for the installation of fire hose on standpipes shall be omitted.
(1952 Code § 7-01-57)

5-12-57: Amendment Adding Section 912.2.3, Fire Department Access

Add section 912.2.3 to read as follows:

912.2.3 Fire Department Connection. The Fire Department connection (FDC) and associated outside alarm for a sprinkler or standpipe system shall be installed within one hundred feet (100') of an approved Fire Department vehicle access lane and within three hundred feet (300') of Fire Department vehicle access distance of a fire hydrant.
(1952 Code § 7-01-58)

5-12-58: Amendment Adding Section 913.1.1, Fire Pump Test Header

Add section 913.1.1 to read as follows:

913.1.1 Fire Pump Test Header Assembly. It shall be prohibited for a water meter or any other similar device to be installed in lieu of a fire pump test header assembly without the express approval of the Code official.
(1952 Code § 7-01-59)

Amendments To Chapter 14 Of The IFC

5-12-59: Amendment Adding Section 1401.3, Construction Or Demolition Fire Watch

Add section 1401.3 to read as follows:

1401.3 Fire Watch During Building Construction, Alteration, Or Demolition. The Code official may allow a fire watch in order to allow temporary occupancy of a building or portion thereof before it is completed or during demolition. The duties of the fire watch personnel shall be to watch for the occurrence of fire, immediately report the occurrence of a fire in an approved manner, act to prevent the occurrence of fire, and enforce the provisions of this Code. Fire watch personnel shall not be assigned any other duties which are not related to fire safety. Only fire watches that have been approved by the Code official are allowed. When a fire watch is approved, personnel determined to be qualified by the Fire Department shall be provided.
(1952 Code § 7-01-60)

Amendments To Chapter 33 Of The IFC
5-12-60: Amendment To Section 3308.11, Retail Display And Sale Of Fireworks

Delete section 3308.11 and replace with the following:

3308.11 Retail Display And Sale. The sale and use of fireworks shall conform to the requirements of this Code. In the event of a conflict between another chapter of this Code or another section of this chapter and section 3309, the specific requirements of section 3309 shall apply.
(1952 Code § 5-7-01-61)

5-12-61: Amendment Adding Section 3309, Fireworks

Add section 3309 entitled fireworks:

Section 3309 Fireworks.

3309.1 Fireworks Shall Be Defined As Follows. Any composition or device for the purpose of producing a visible or an audible effect for entertainment purposes by combustion, deflagration, or detonation that meets the definition of 1.4G or 1.3G fireworks.

3309.2 Dangerous Fireworks. Fireworks meeting the following criteria are to be considered "dangerous fireworks":

A. Fireworks containing explosive material that will burn or deflagrate when ignited. Examples include, but are not limited to, firecrackers, cherry bombs, M-80s.

B. Fireworks that leave the ground of their own accord, or fly when tossed into the air. Examples include, but are not limited to, skyrockets, bottle rockets, mortar shells, Roman candles.

C. Fireworks designed for ground or near ground use that travel outside of a fifteen foot (15') diameter circle.

D. Fireworks designed for ground or near ground use that, as a means of propulsion, emit showers or sparks longer than twelve inches (12").

E. Fireworks designed for use from a stationary position that emit sparks, showers, or flaming balls, vertically more than twenty feet (20'), or from which discharged material falls beyond a
twenty foot (20') in diameter area.

Exception: The term "fireworks" shall not include any blank cartridge, automotive safety flares, toy guns or toy cannons, caps, or other items designed for use with toy guns or cannons, party poppers, pop-its, party favors, or other device which contains twenty five hundredths (.25) of a grain or less of explosive substance.

3309.3 Nonaerial Common Fireworks. Fireworks not meeting the criteria of "dangerous fireworks", or not specifically banned by reference, are to be considered nonaerial common fireworks.

3309.4 Dangerous Fireworks Prohibition And Permit.

A. It shall be unlawful for any person in the City to import, export, offer for sale, sell, possess, use, keep, or store or permit the keeping or storing of any "dangerous fireworks" for any use or purpose, except that a person holding a public fireworks display permit issued pursuant to the terms and conditions of this chapter may use "dangerous fireworks" for a safely supervised and conducted public display of fireworks.

B. Dangerous fireworks may be stored for a period not exceeding ten (10) days immediately preceding the date of said public display, provided the fireworks are to be used exclusively for public display. Storage of dangerous fireworks to be used in a public fireworks display authorized by a valid permit issued pursuant to this chapter shall be stored in accordance with any and all applicable provisions of this chapter governing short term storage containers and all applicable provisions of the International Fire Code, except that no person shall store dangerous fireworks:

1. In a temporary fireworks stand;

2. In any soft sided structure, including, but not limited to, a tent;

3. In any place or in any manner allowing access to such dangerous fireworks by anyone other than the permittee;

4. In any place or in any manner which endangers the health, safety, or welfare of persons or property.
3309.5 Nonaerial Common Fireworks Permit. No person, without having a valid nonaerial common fireworks permit issued pursuant to terms and conditions set forth in this chapter shall import, export, possess for the purpose of sale, offer for sale, or sell nonaerial common fireworks for any use or purpose.

3309.6 Application For Nonaerial Common Fireworks Permit. Any person desiring to engage in the sale of nonaerial common fireworks within the City shall first make written application to the City Clerk’s Office for a nonaerial common fireworks permit. Each applicant shall pay the requisite permit application fee as listed on the most current City Clerk’s fee schedule to the City Clerk at the time the application is filed. At the time and as a condition of such filing and with each application, each applicant shall pay an additional fee to defray costs of preliminary investigations required hereunder. Such additional preliminary investigation fees are required for each site, are nonrefundable, and are listed on the most current City Clerk’s schedule. All permits are required to be posted in the temporary fireworks stand at all times.

A. Applications for nonaerial common fireworks permits authorizing the permittee to import, export, possess for the purpose of sale, offer for sale, or sell nonaerial common fireworks during the summer sales period shall be filed with the City Clerk on or before April 15, or the next business day if such date falls on a nonbusiness day.

B. So long as the application is filed by the applicable April 15 deadline, the City Clerk shall notify the applicant if deficiencies exist in the application and the applicant shall have five (5) business days from the date of the notice to correct any deficiencies. Notwithstanding any such extension or extensions, any application requiring action by the application that is still pending more than thirty (30) days after the April 15 deadline shall be denied.

C. An operator intending to sell fireworks during the winter sales period pursuant to a nonaerial common fireworks permit shall provide written notification of such intent to the City Clerk by mailing the same by U.S. Postal Service to the City Clerk between the period of December 1 and December 15 preceding the winter sales period during which the fireworks are to be sold.

3309.7 Application For Public Fireworks Display Permit. Any person desiring to make a public display of dangerous fireworks shall first make written application to the Boise City Fire Department for a public fireworks display permit. Each applicant shall pay to the Fire Department a fee of one hundred twenty-five dollars ($125.00) at the time the application is filed. In the event the public fireworks display permit is denied, the Fire Department shall refund the application fee. The applicant shall also reimburse the City for all reasonable expenses incurred in investigation to determine whether the permit should be granted.
A. Applications for public fireworks display permits shall be filed with the City Clerk at least forty-five (45) days preceding the date on which the proposed public fireworks display is to occur.

B. So long as the application is filed at least forty-five (45) days preceding the date on which the proposed public fireworks display is to occur, the City Clerk shall notify the applicant if deficiencies exist in the application and the applicant shall have five (5) business days from the date of the notice to correct any deficiencies. Notwithstanding any such extension or extensions, any application requiring action by the applicant that is still pending within thirty (30) days of the proposed public fireworks display shall be deemed denied.

3309.8 Form Of Application. Each applicant for a nonaerial common fireworks permit or a public fireworks display permit shall file an application with the City Clerk. A separate application shall be filed for each and every location at which nonaerial common fireworks are to be sold and/or offered for sale, or for each and every public fireworks display. Each application shall comply with all of the minimum licensing requirements and procedures as set forth in Boise City Code title 3, chapter 1, article A. In addition to the Boise City Code title 3, chapter 1, article A license application requirements, each application shall provide the following information:

A. The applicant’s name, address, date of birth and social security number. If the applicant is other than a natural person, the address of the applicant’s principal place(s) of business.

B. If the applicant is other than a natural person, the purpose for which the applicant primarily exists and for which it was organized and when and where the applicant was organized and established.

C. If the applicant is a partnership, corporation, or limited liability company, the names and addresses of the partners, officers, trustees, directors, or members, if any, and also the name and address of the applicant’s registered agent for service of process.

D. The physical address and description of each and every location at which nonaerial common fireworks or dangerous fireworks are to be stored and the dates such fireworks are to be stored.

E. For nonaerial common fireworks, the physical address and description of any and all locations at which such fireworks are to be sold or offered for sale, and the dates during which such fireworks are to be sold or offered for sale.

F. For dangerous fireworks, the physical address and description of the location at which the
public fireworks display is to occur, and the date(s) on which the public fireworks display is to occur.

G. The applicant's State sales tax permit number, if applicable.

H. If the applicant is an entity other than a sole proprietorship, the name and general description of the business activities of each parent or subsidiary company, business or entity, and a general description of the ownership organization of each parent or subsidiary, if any.

I. For a nonaerial, common fireworks permit, a site plan, which shall include a description of the following information:

1. Location, type, and dimensions of any temporary fireworks stand and/or short term storage container to be located at the sales site;

2. Parking areas;

3. Vision sight triangle, if located on a corner;

4. Waste receptacles or garbage cans.

J. For a public fireworks display permit, a site plan for the storage of fireworks to be used in the public fireworks display for which the permit is sought, which plan shall include, but shall not be limited to, a description of:

1. Location, type and dimensions of short term storage containers to be used;

2. The distance from other structures of any short term storage container;

3. The proposed site of the public fireworks display, which plan shall comply with the standards set forth in the National Fire Protection Association standards (NFPA) 1123 or NFPA 1126; and

4. Prior pyrotechnical experience.

3309.9 Investigation. The Fire Chief or his designee shall be authorized to:

A. Inspect any and all operations at which fireworks are sold, offered for sale or stored to ensure compliance with this chapter and any and all other applicable laws.
B. Inspect any and all temporary fireworks stands from which fireworks are sold, offered for sale or stored.

C. Inspect and/or require an operator to produce any records required by law.

D. Revoke a nonaerial common fireworks permit or public fireworks display permit on the grounds and pursuant to the procedures set forth in this chapter.

E. Conduct any other inspections or undertake any other acts authorized by this chapter and any and all other applicable laws.

3309.10 Revocation Of Permits.

A. In addition to the reasons for license denial, suspension or revocation set forth in Boise City Code title 3, chapter 1, article A, a nonaerial common fireworks permit or dangerous fireworks display permit issued pursuant to this chapter may be revoked by the City Clerk, the Fire Chief, or a designee of either, if any of the following occur:

1. The operator conducts or permits a use, condition and/or activity not allowed under the terms of the permit.

2. The operator violates conditions and/or limitations set forth in the permit.

3. The permit is used by a different operator or operation than to whom it was issued.

4. The permit was issued in error in violation of any ordinance or law.

5. The permittee fails to comply with any order or notice duly served in accordance with the provisions of this chapter or other applicable law.

6. The permittee fails to comply with any applicable Federal, State or local law.

8. Any denial of an application for a nonaerial common or dangerous fireworks permit, or any suspension or revocation of such permit, shall be made following the procedures set forth in Boise City Code title 3, chapter 1, article A.
3309.11 Term Of Permit. A nonaerial common fireworks permit issued pursuant to this chapter is not transferable or assignable and shall be valid for twelve (12) months from the date of issuance and only for the specific dates and location designated in the permit. A public fireworks display permit issued pursuant to this chapter is not transferable and shall be valid only for the period and specific location designated in the permit.

3309.12 General Licensing Provisions, Title 3, Chapter 1, Article A; Definitions.

A. General Licensing Provisions. To the extent not inconsistent with section 3309 of this chapter, the license provisions set forth in Boise City Code title 3, chapter 1, article A shall apply with full force and effect to all provisions of this section.

B. Definitions. For the purposes of section 3309 of this chapter, words used throughout this section, but not defined herein, in Boise City Code title 3, chapter 1, article A, or in the currently adopted version of the International Fire Code, shall have their plain, ordinary and common meaning. When not inconsistent with the context, words used in the present tense include the future tense, words in the plural number include the singular number, and words in the singular number include the plural number. The word "shall" is always mandatory and not merely directory. Words in any gender shall apply to the feminine, masculine and neuter genders.

3309.13 Insurance Required. Each applicant for a nonaerial common fireworks permit or for a dangerous fireworks permit, shall have filed with the City Clerk's Office prior to the issuance and validity of any permit issued under this chapter, a policy, or certified true copy thereof, of public liability and products liability insurance, including both "accident" and "occurrence" coverage. The insurance coverage limits for both public liability coverage and for products liability coverage shall be at least one hundred thousand dollars ($100,000.00) per occurrence aggregate bodily, and one hundred thousand dollars ($100,000.00) per occurrence aggregate property damage, or personal injury. Each policy of insurance shall be in form and substance acceptable to the City, and shall name as insured parties under the terms of the policy Boise City, all officials, elected and appointed, of the City in performance of official functions regarding all operations under or pertaining to said permit, any licensee or licensor of the applicant, and all vendors of fireworks covered by the permit to be issued to the applicant. Said policy of insurance shall be so written that it cannot be canceled without at least ten (10) days' prior written notice to the City from the underwriting insurance company. The policy of insurance shall be underwritten through or by a qualified and duly licensed insurance company or companies doing or authorized to do insurance business in Idaho, and a copy of said policy shall be filed with the City Clerk's Office prior to the issuance of the permit.

3309.14 Authorized Dates For Sale And Use Of Fireworks. Nonaerial common fireworks may be sold at retail and used beginning at eleven fifty nine o'clock (11:59) P.M. on June 22 to eleven
3309.15 Temporary Fireworks. Temporary fireworks stands from which nonaerial common fireworks are to be sold shall be subject to the following provisions:

A. All retail sales of nonaerial common fireworks shall be permitted only from within a temporary fireworks stand or a tent, and the sale from any other building or structure is hereby prohibited. No person shall construct, or cause to be constructed, any permanent structure for the sale and/or offering for sale of nonaerial common fireworks. No operator may sell or offer for sale nonaerial common fireworks from or in a permanent structure.

B. The stand in which the fireworks will be stored or sold shall not be located within twenty five feet (25') of any other building nor within one hundred feet (100') of any gasoline station or flammable liquid dispensing device or installation.

C. All such stands shall meet the requirements of the Building Code of the City and all lighting circuits and other electrical equipment shall meet the requirements of the Electrical Code of the City. No heating device or open flame may be used in a temporary fireworks stand at any time.

D. The stand shall have exit doors at least thirty inches (30") wide at both ends of the stand and one additional door for each thirty two feet (32') of rear wall in excess of thirty two feet (32'). All doors shall open outward from the stand and all doorways shall be kept free and clear from all supplies and materials at all times.

E. Each stand shall be provided with a minimum of one Type 2A10BC rated fire extinguisher and one 2A water type fire extinguisher. Such extinguishers shall be in good working order and easily accessible for use in case of fire, and shall be kept in immediate proximity to the location where the fireworks are retailed.

F. During business hours, each and every stand shall be staffed by at least one person who is twenty one (21) years of age or older. All fireworks shall be effectively kept away from any kind of self-service by the public, and shall be placed in a location which is unavailable and inaccessible to members of the public in capacities other than as legal customers. No person under the age of sixteen (16) shall be allowed in the nonpublic areas of a temporary fireworks stand. No operator shall sell fireworks to any person who is under the age of sixteen (16) years unless such person is accompanied by a parent or legal guardian. The burden of verifying the age of purchasers of fireworks shall be borne by the operator.

G. No person shall be permitted to sleep inside any stand when it is not open for business.
H. At least one sign reading "FIREWORKS—NO SMOKING WITHIN 25 FEET" in letters at least four inches (4") high on a contrasting background shall be posted on each and every exterior wall on the outside of the stand. At least one sign reading "FIREWORKS—NO SMOKING WITHIN 25 FEET" in letters at least two inches (2") high on a contrasting background shall be posted on each and every interior wall of the stand. All such signs shall be maintained in a legible condition at all times.

I. During the summer selling period, no temporary stand shall be erected before June 15 of any year. The premises on which the stand is erected shall be cleared of all structures and debris not later than twelve o’clock (12:00) noon on July 12. For the winter selling period, no temporary stand shall be erected before December 15 of any year. The premises on which the stand is erected shall be cleared of all structures and debris not later than twelve o’clock (12:00) noon on January 8.

J. No fireworks shall be discharged in or within twenty five feet (25\') of any fireworks stand. At least one sign reading "NO FIREWORKS TO BE DISCHARGED WITHIN 25 FEET" in letters at least four inches (4") high on a contrasting background shall be prominently displayed on each exterior wall on the outside of the stand. Such signs shall be maintained in a legible condition at all times.

K. No person shall allow any rubbish to accumulate in or around any fireworks stand or permit a fire nuisance to exist. Only noncombustible waste containers shall be permitted within the stand.

L. No fireworks shall remain unattended at any time regardless of whether the fireworks stand is open for business or not. If any fireworks are stored, they shall only be stored at such places as are approved for storage of fireworks by the Fire Chief or his representative. Any and all temporary fireworks stands shall be emptied of all fireworks when not open for business. This provision shall not apply where the operation is not open for business and the temporary fireworks stand is used as a short term storage facility, in which case all provisions of this chapter governing short term storage facilities shall apply.

M. No stand shall have a floor area in excess of six hundred (600) square feet.

N. No stand shall be erected at a location where retail sales are not allowed under the Boise City Development Code.

O. No dry vegetation, Christmas trees, or any other combustible material may be stored, displayed, sold, or otherwise kept within twenty five feet (25\') of a fireworks stand.
P. Storage.

1. Only one short term storage container in addition to the temporary fireworks stand shall be allowed per location. Short term storage containers used during the summer sales period shall not be placed at the sales location before June 15 and shall not remain at the location after twelve o'clock (12:00) noon on July 12. Short term storage containers used during the winter sales period shall not be placed at the sales location before December 15 and shall not remain at the location after twelve o'clock (12:00) noon on January 8.

2. Short term storage containers shall not be placed or erected within the public right-of-way, unless otherwise authorized by the appropriate transportation authority. If a private sidewalk or pedestrianway is occupied by a short term storage container, a minimum width of four feet (4') shall remain unobstructed along the entire width of such private sidewalk or pedestrianway. If such private sidewalk or pedestrianway is narrower than four feet (4') wide, at least one-half (1/2) of the width thereof shall remain unobstructed along the entire width of such private sidewalk or pedestrianway.

3. Where a temporary fireworks stand is used as a short term storage facility, and such stand is constructed with canvas or other soft material sides, it shall be effectively secured by a person who shall remain awake, alert, and on site at all times and who shall prevent any and all access to fireworks or other merchandise stored therein. A dog or other animal is not a substitute for a person for purpose of this section.

4. The Fire Department shall be notified of the address or location of all short term storage facilities when fireworks will not be stored in a temporary fireworks stand. If the short term storage facility is not within the boundaries of Boise City, then the permittee shall notify the authority having jurisdiction where the storage is to take place.

5. Short term storage is allowed in any of the following, provided it is locked or otherwise secured: a temporary fireworks stand, truck, trailer, or other vehicle. A truck, trailer or other vehicle used for short term storage must remain at least twenty-five feet (25') from any other structure that:

   a. Is used as a residence or business;

   b. Is used for human habitation;

   c. Contains open flames;

   d. Contains a heating source;
e. Contains a lighting source.

Short term storage may occur in a locked or secured shed, garage, barn or other building or storage container which is detached from an inhabited building and contains no open flames, including heating and lighting sources.

Q. Only one temporary fireworks stand shall be allowed per location.

R. One caretaker unit may be allowed per sales location and shall be used only for the purpose of security of an operation. Such caretaker unit shall be located a minimum of twenty five feet (25') from any temporary fireworks stand or short term storage container. Caretaker units used during the summer sales period shall not be placed at the sales location before June 15 and shall not remain at the location after twelve o'clock (12:00) noon on July 12. Caretaker units used during the winter sales period shall not be placed at the sales location before December 15 and shall not remain at the location after twelve o'clock (12:00) noon on January 8.

S. Any and all temporary fireworks stands shall be located at least twenty five feet (25') from any generator or other internal combustion power sources and/or their fuels.

T. Vehicles shall not be parked within twenty five feet (25') of the exterior walls/sides of any temporary fireworks stand.

3309.16 General Prohibitions. It shall be unlawful for any person, except in compliance with this chapter to:

1. Alter any fireworks;

2. Throw any fireworks:
   a. From, into or at a moving vehicle;
   b. At any person; or
   c. Into or at any structure;

3. Sell, store, possess, discharge, or use any fireworks at any time not permitted under this chapter;
4. Use fireworks in any area that constitutes a severe fire threat based on the vegetative or other conditions during the current fire season as determined by the Fire Chief, provided that notice of such areas is given in advance.

3309.17 Liability With Parents Or Guardians. The parents, guardian or other persons having custody or control of minor shall be liable for damage caused by the use of fireworks by the minor.

3309.18 Records To Be Kept. Each permittee shall be required to retain at the licensed premises while said premises are open, and at his principal place of business for a year thereafter, copies of all invoices, receipts and orders evidencing the source from which he acquired the fireworks which he handled.

3309.19 Compliance With Applicable Law. It shall be the duty of every person issued a fireworks permit to comply with all applicable provisions of the Idaho State Fireworks Act and the Boise City Code, including this chapter. A conviction or violation of the aforesaid Idaho State Fireworks Act or any of the provisions of this chapter by the permittee, or by any of its agents, employees, or officers shall constitute a cause, in and of itself, to deny any subsequent application for a permit.

3309.29 Violations And Penalty.

A. It shall be unlawful for any person, firm or corporation to violate any of the provisions of this chapter of the Boise City Code, and any violation thereof shall constitute an infraction and shall be punishable by a fine of one hundred dollars ($100.00) excluding court costs and fees. An infraction is a civil public offense, not constituting a crime. There is no right to a trial by jury of a citation or complaint for an infraction and such trials shall be held before the court without a jury. A separate offense shall be deemed committed on each day during which a violation occurs or continues.

B. A second and any subsequent conviction of any violation of any of the provisions of this chapter of the Boise City Code within five (5) years shall constitute a misdemeanor, punishable by a fine of not more than one thousand dollars ($1,000.00) or by imprisonment for not more than thirty (30) days, or by both such fine and imprisonment.

C. Fireworks being used in violation of this chapter shall be confiscated by law enforcement or by the Boise City Fire Department.

(1952 Code § 7-01-62; amd. 2019 Code)
Add chapter 46 entitled Foothills to read as follows:

4601 Scope. The requirements of this article shall be specifically applicable to the area of Boise City herein defined as the foothills. The Boise Foothills shall also be subject to all other provisions of this chapter and title 1, chapter 10, article E, title 2, chapter 3, and title 7, chapter 7, article A of the Boise City Code.

4602 Definitions.

4602.1 The foothills are defined as that area of the Boise Foothills which fall into the following boundary:

An area bordered on the north and east by the City boundary and on the south and west by the center of Hill Road, beginning on Hill Road at the western most City boundary, following the center of the following streets: Hill Road easterly to N. 13th Street; N. 13th Street southerly to Heron; Heron easterly to N. 9th Street; N. 9th Street southerly to Lemp; Lemp easterly to N. 8th Street; N. 8th Street southerly to Ridenbaugh; Ridenbaugh easterly to N. 7th Street; N. 7th Street southerly to Alturus; Alturus easterly to N. 5th Street; N. 5th Street southerly to Sherman; Sherman easterly to North Sky; North Sky southerly to Ada; Ada westerly to N. 4th Street; N. 4th Street southerly to Resseguie Street; Resseguie Street westerly to N. 4th Street; N. 4th Street southerly to Union; Union Street westerly to N. 6th Street; N. 6th Street southerly to Fort Street; Fort Street southerly to Robbins Road; Robbins Road easterly to Collins Road; Collins Road southerly to Garrison Road; Garrison Road easterly to Scout Lane; Scout Lane southerly to Mountain Cove; Mountain Cove southerly to Reserve; Reserve easterly to Avenue H; then the south and west border shall be the north and east curbs of the following streets: Avenue H southerly to Logan; Logan easterly to Floral; Floral easterly to Krall; Krall easterly to Walnut; Walnut southerly to East Franklin; East Franklin easterly to Coston; Coston easterly to Hillview; Hillview easterly to Bacon; Bacon southerly to Warm Springs; and Warm Springs easterly to the east City Boundary.

It is intended that as the City annexes land to the north and east that the definition of the foothills be automatically modified to include lands that are generally north and west of Warm Springs Avenue. Further, as the City annexes land to the north and west that the definition of the foothills be automatically modified to include lands that are generally north and west of Hill...
4603 Not Used.

4604 Roof Covering. It shall be unlawful for any person to install, cause to install, or use other than Class A roof covering materials as defined in the Building Code Standard 15-2 (test standard for determining the fire retardancy of roof covering materials), on all new buildings constructed and to existing buildings when fifty percent (50%) or more of the roof is replaced or recovered.

4605 Defensible Space. All structures for which the application for a building permit is filed after the date of adoption of this ordinance shall have a minimum defensible space as approved by the Code official consistent with the standard set forth in the National Fire Protection Association Standard 299 (protection of life and property from wildfire); or the International Fire Code Institute (IFCI) Wildland Urban Interface Code, as adopted by reference in this Code.

4606 Appeals. Any and all appeals of the definition of Class A roof covering materials shall be to the building official who shall convene the Boise City Building Code Board of Appeals to hear such appeal.

Any and all appeals of defensible space, or any other provisions of this Code shall be to the Fire Marshal of the Fire Department who shall convene the Fire Department Fire Code Board of Appeals to hear such appeal.

4607 Fireworks And Open Flame. It shall be unlawful for any person to use any fireworks, either "dangerous" or nonaerial common fireworks in the area defined by this Code as "the foothills". It shall also be unlawful for any person to ignite or cause to be ignited any open flame in the area defined by this Code as the foothills.

(1952 Code § 7-01-63)

Amendment Adding Chapter 47 Of The IFC

5-12-63: Amendment Adding Chapter 47, Child Care Facilities Existing Prior To January 1, 2003

Add chapter 47, Child Care Facilities Existing Prior to January 1, 2003, to read as follows:

4701 Scope. All owners and operators of child care facilities that were licensed and approved in accordance with the requirements of this chapter (formerly BCC 7-04) prior to January 1, 2003,
shall be allowed to continue to comply with the requirements of this chapter. Other
requirements of the Uniform Fire Code, the Uniform Building Code, and the Boise City Code
which are not mentioned in this chapter also apply to the extent such regulations are not in
conflict with the requirements in this chapter. Existing facilities remain under these provisions
until the facility is closed for more than six (6) months, and thereafter has to be relicensed. A
sale to new owners or operators does not impose IFC rules:

4702 Definitions. For the purposes of this chapter, the following terms, phrases, words, and
derivations thereof, shall have the meaning given herein. The word "shall" is always mandatory
and not merely directory.

Basement. Basement is any floor level below the first story in a building, except that a floor
level in a building having only one floor level shall be classified as a basement unless such floor
level qualifies as a first story as defined herein.

Child Care Facility. Unless exempt under title 3, chapter 6 of the Boise City Code, any home or
place where nonmedical care, protection, and supervision is regularly provided to children
under thirteen (13) years of age, for periods less than twenty four (24) hours per day. There are
three (3) types of child care facilities:

1. Family Child Care Home. A child care facility which provides care for six (6) or fewer children
in a residential building commonly referred to as "in the home".

2. Group Child Care Home. A child care facility which provides care for seven (7) to twelve (12)
children in a residential building commonly referred to as "in the home".

3. Commercial Child Care Center. A child care facility which provides care for more than twelve
(12) children or uses a nonresidential building.

Grade (Adjacent Ground Elevation). Is the lowest point of elevation of the finished surface of
the ground, paving or sidewalk within the area between the building and the property line or,
when the property line is more than five feet (5') from the building, between the building and a
line five feet (5') from the building.
Occupant Load. Prior to May 1, 1994, the occupant load shall be determined by dividing all usable floor space utilized for child care purposes by thirty-five (35). The resulting number shall be the number of children that the facility may be licensed for. After May 1, 1994, occupant load for new facilities shall not be less than thirty-five (35) square feet of usable floor space per person included in the calculation.

Note: After May 1, 1994, this is intended to include all persons present, regardless of the relationship to the caregiver.

Story. That portion of a building included between the upper surface of any floor and the upper surface of the floor next above, except that the topmost story shall be that portion of a building included between the upper surface of the topmost floor and the ceiling or roof above. If the finished floor level directly above a usable or unused under floor space is more than six feet (6') above grade as defined herein for more than fifty percent (50%) of the total perimeter or is more than twelve feet (12') above grade as defined herein at any point, such usable or unused under floor space shall be considered as a story.

Story, First. The lowest story in a building which qualifies as a story, as defined herein, except that a floor level in a building having only one floor level shall be classified as a first story, provided such floor level is not more than four feet (4') below grade, as defined herein, for more than fifty percent (50%) of the total perimeter, or not more than eight feet (8') below grade, as defined herein, at any point.

Uniform Building Code. Unless an edition is specifically mentioned, any reference to the Uniform Building Code herein shall be to the edition as adopted and amended when the original license was issued.

Uniform Fire Code. Unless an edition is specifically mentioned, any reference to the Uniform Fire Code herein shall be to the edition as adopted and amended when the original license was issued.

Usable Floor Space. Usable floor space shall include all floor area exclusive of kitchens, closets, utility rooms, furnace rooms, storage rooms, or any other area not normally occupied by children.

4703 Access. Every child care facility shall be accessible to Fire Department apparatus by way of access roadways which comply with IFC Appendix D.

4704 Address Identification. Approved numbers or addresses shall be placed on all child care
facilities in such a position as to be plainly visible and legible from the street or road fronting the property. Said numbers shall contrast with their background and be a minimum of four inches (4") high.

4705 Alarm System.

A. An approved fire alarm system shall be provided in child care centers with an occupant load of fifty (50) or more persons. In child care facilities provided with an automatic sprinkler or detection system, the operation of such systems shall include an alarm mounted on the exterior of the building.

B. When serving more than one hundred (100) sprinklers, automatic sprinkler systems shall be supervised by an approved central, proprietary or remote station service or a local alarm which will give an audible signal at a constantly attended location.

C. Fire alarm systems shall meet the approval of the Fire Department as to installation and location and shall be subject to such periodic tests as required by the Fire Marshal. Plans and specifications shall be submitted to the Fire Department for review approval prior to installation. Design and installation shall be in accordance with the adopted codes in effect at the time of installation.

4706 Allowable Areas For Child Care.

A. In family child care homes, group child care homes and child care centers, child care rooms shall not be located above the first story.

Exception To A: In buildings equipped with an automatic sprinkler system throughout, rooms used for child care purposes may be located on the second story, provided there are at least two (2) exits directly to the exterior for the exclusive use of such occupancies.

B. Children shall not be cared for in areas more than one floor level below ground level.


2. An automatic sprinkler system shall be installed in basement in family child care homes, group child care homes and child care centers when the basement is larger than one thousand
five hundred (1,500) square feet in floor area and used for child care purposes.

4707 Commercial Cooking. Provisions of the Uniform Fire Code shall be complied with when an operator of a child care facility prepares food that produces grease laden vapors in normal cooking operations.

4708 Doors.

A. Swing And Operating Force. Exit doors shall swing in the direction of exit travel when serving a child care center with an occupant load of fifty (50) or more. The force required to open a side swinging exit door in a child care facility shall not exceed thirty (30) pounds applied at the latch side.

B. Exit Doors. Exit doors in child care centers shall be so marked that they are readily distinguishable from the adjacent construction.

C. Type Of Lock Or Latch. Exit doors in child care centers shall be able to be opened from the inside without the use of a key or any special knowledge or effort. Manually operated edge or surface mounted flush bolts and surface bolts are prohibited. The unlatching of any door shall not require more than one operation.

D. Sliding Doors. Sliding doors in child care centers shall not be used as required exits serving an area having an occupant load of more than ten (10).

E. Closet Doors. Every closet door latch shall be such that children can open the door from inside the closet.

F. Bathroom Doors. Every bathroom door lock shall be designed to permit opening of the locked door from the outside in an emergency. The opening device shall be readily accessible to the staff.

G. Landings At Door. Landings in child care centers shall have a width not less than the width of the stairway or the width of the door, whichever is greater. Doors in the fully open position shall not reduce a required dimension by more than seven inches (7”). When a landing serves an occupant load of fifty (50) or more, doors in any position shall not reduce the landing dimension to less than one-half (1/2) its required width. Landings shall have a length measured in the direction of travel of not less than forty-four inches (44”).
4709 Emergency Lighting. In child care facilities with an occupant load of less than fifty (50), at least one flashlight shall be immediately available for each staff person. Emergency lighting in child care centers where the occupant load is fifty (50) or more shall be provided in the following areas:

A. In all interior stairs and corridors.

B. In all portions of buildings that are interior or windowless.

Exception To B:

1. Administrative areas.

2. Mechanical rooms and storage areas.

Emergency lighting shall meet at least the following specifications:

A. Emergency lighting facilities shall be arranged to maintain not less than one foot-candle power throughout the means of egress for a period of one and one-half (1 1/2) hours in the event of failure of the normal lighting system.

B. Emergency lighting shall be so arranged as to provide the required illumination automatically in the event of any interruption of normal power, such as any failure of public utility or other outside electrical power supply, opening of a circuit breaker or fuse, or any manual act(s), including accidental opening of a switch controlling normal lighting facilities.


Exception:

1. In a family child care home or a group child care home, a sliding door is acceptable as a second exit if there also exists an entry/exit door meeting all Uniform Building Code requirements for private dwellings in the facility.

2. In a family child care home or a group child care home, exiting through the kitchen area is allowed as a second exit if there is another exit which meets Uniform Building Code requirements.
Note: A second exit is required for family child care homes, group child care homes and child care centers.

4711 Portable Fire Extinguishers:

A. A minimum of one 2A-10BC portable fire extinguisher shall be provided on each floor of child care facility buildings. Travel distance to portable fire extinguishers shall not exceed seventy five feet (75').

B. Portable fire extinguisher placement. Portable fire extinguishers in child care centers shall be mounted in plain view or placed in a cabinet clearly marked "Fire Extinguisher". Required portable fire extinguishers shall be mounted with the bottom of the extinguisher not less than four inches (4") from the floor or the top of the extinguisher not higher than sixty inches (60") from the floor.

4712 Floor Plan. A floor plan shall be submitted to the Fire Department through the City Clerk's Office when application for a license to operate a child care facility is made. The floor plan shall indicate dimensions of all areas to be utilized for child care purposes.

4713 Occupant Load. The occupant load of child care facilities shall not be less than thirty five (35) square feet of usable floor space per occupant.

Note: This is intended to include all occupants present, regardless of relationship to caregiver.

4714 Smoke Alarms.

A. Smoke Alarms. Single and multiple-station smoke alarms shall be installed in all child care facilities in accordance with the requirements of this section. Except as otherwise specified herein, the requirements of the Uniform Fire Code and the Uniform Building Code for single and multiple-station smoke alarms shall apply.

Single and multiple-station smoke alarms shall be installed in each story of a child care facility. In buildings with upper floors or basements, detectors shall be placed in each story at the top and bottom of the stairways and at no greater spacing than thirty feet (30') on center throughout the corridors of all floors. Single and multiple-station smoke alarms shall also be installed in each lounge, in recreation rooms, and in sleeping rooms.
Exceptions To A:

1. Facilities housing only clients six (6) years of age or older, if no sleeping facilities are provided.

2. Facilities housed in only one room.

8. In family child care homes and group child care homes at least one smoke alarm per building shall be powered by house AC electrical current. The AC powered alarm shall also have a battery. Additional required smoke alarms may be powered by batteries alone.

Exception To B: Family child care homes and group child care homes in existence before the adoption of this chapter may use battery powered smoke alarms in all required areas.

4715 Receptacle Covers. In all child care facilities, receptacle covers shall be provided on all electrical outlets not in immediate use.

4716 Inspection And Tests Of Fire Protection Equipment:

A. The operator of a child care facility is responsible for maintaining in working order all required fire and life safety equipment, systems and facilities. A record of all required inspections, tests and repairs shall be kept on the premises available for inspection by the City Clerk, or the Fire Chief, or a person designated by the Fire Chief.

B. The following inspections or tests are required to be conducted or caused to be conducted monthly by the operator of a child care facility where such equipment is installed:


2. Testing of all battery operated and all hard wired smoke alarms.

3. Visual inspection of all portable fire extinguishers.

4. Inspection of emergency lighting.

C. The following items are required to be completed or caused to be completed at an interval not exceeding six (6) months by the operator of a child care facility where such equipment is
1. Replacement of the batteries in all battery operated smoke alarms with fresh, fully charged batteries.

2. Replacement of the batteries in all flashlights using replaceable battery cells with fresh, fully charged batteries.

D. Fire extinguishing systems installed in commercial cooking equipment hoods and ducts shall be serviced at least every six (6) months or after activation of the system by an individual or company qualified to inspect said systems.

E. Portable fire extinguishers shall be inspected annually in accordance with National Fire Protection Association Standard 10 by an individual or company qualified to inspect and service portable fire extinguishers.

F. Hydrostatic testing of portable fire extinguishers shall be performed at the intervals required by National Fire Protection Association Standard 10.

Exception To F And G: Extinguishers having nonrefillable, disposable containers are exempt.

Note: A sample record keeping document for items B and C above will be made available for child care operators at the City Clerk's Office. The required service tags for items D, E and F above will suffice for the recordkeeping purposes of item A above.

Amendment Adding Chapter 48 Of The IFC

5-12-64: Amendment Adding Chapter 48, Child Care Facilities Coming Into Existence After January 1, 2003

Add chapter 48:
4801 Scope. All owners and operators of child care facilities that were licensed and approved in accordance with the requirements of this chapter after January 1, 2003 shall comply with the Boise City Fire Department requirements for child care facilities hereinafter stated in this chapter. Other regulations of the International Fire Code, the International Building Code, and the Boise City Code which are not mentioned in this chapter also apply to the extent that such regulations are not in conflict with the requirements in this chapter.

4802 Definitions. For the purposes of this article the following terms, phrases, words, and derivations thereof shall have the meaning given herein. The word "shall" is always mandatory and not merely directory.

4802.1 Basement. A basement is any floor level below the first story in a building, except that a floor level in a building having only one floor level shall be classified as a basement unless such floor qualifies as a first story as defined herein.

4802.2 Child Care Facility. Unless exempt under title 3, chapter 6 of the Boise City Code, a child care facility is any home or place where nonmedical care, protection, and supervision is regularly provided to children under thirteen (13) years of age for periods less than twenty four (24) hours per day. There are three (3) types of child care facilities:

1. Family child care home is a child care facility which provides care for six (6) or fewer children of any age in a residential building governed by the International Residential Code as set forth in IBC section 101.2. New family child care homes are regulated by this chapter and the requirements of the International Residential Code in so far as that Code is either specifically referenced in this chapter; and/or is not specifically superseded or exempted in this chapter.

2. Group child care home is a child care facility which provides care for seven (7) to twelve (12) children of any age in a residential building governed by the International Residential Code as set forth in IBC section 101.2. New group child care homes are regulated by this chapter and the requirements of the International Residential Code in so far as that Code is either specifically referenced in this chapter; and/or is not specifically superseded or exempted in this chapter.

3. Commercial child care center is a child care facility which provides care for more than twelve (12) children, or which is in a building which is not governed by the International Residential Code as set forth in IBC section 101.2. Further, the requirements of the International Building Code and the International Fire Code shall also apply.

4802.3 Grade. Adjacent ground elevation is the lowest point of elevation of the finished surface of the ground, paving, or sidewalk within the area between the building and the property line.
or, when the property line is more than five feet (5') from the building, between the building and a line five feet (5') from the building.

4802.4 Occupant Load. Occupant load for new family child care homes and new group child care homes shall not be less than thirty five (35) square feet of useable floor space per person included in the calculation. All persons, regardless of their relationship to the caregiver, shall be included in the occupant load.

4802.5 Story. A story is that portion of a building between the upper surface of any floor and the upper surface of the floor above, except that the topmost story shall be that portion of a building included between the upper surface of the topmost floor and the ceiling or roof above. If the finished floor level directly above a useable or unused under floor space is more than six feet (6') above grade for more than fifty percent (50%) of the total perimeter or is more than twelve feet (12') above grade at any point, such useable or unused under floor space shall be considered a story.

4802.6 Story, First. The first story is the lowest story in a building which qualifies as a story. Except that a floor level in a building having only one floor level shall be classified as a first story provided such floor level is not more than four feet (4') below grade for more than fifty percent (50%) of the total perimeter, or not more than eight feet (8') below grade at any point.

4802.7 Usable Floor Space. Usable floor space shall include all floor area exclusive of kitchens, closets, utility rooms, furnace rooms, storage rooms, or any other similar area not normally occupied by children.

4803 License And Inspection. To ensure that child care facilities are in compliance with the requirements of this chapter, each premises shall be inspected as often as is deemed necessary by the Code official or the City Clerk. The City Clerk shall inspect, or cause to be inspected, all family or group child care homes before granting a license to operate a child care facility. The Code official shall inspect, or shall cause to have inspected, all other child care facilities before the City Clerk grants a license to operate a childcare facility. See Boise City Code title 3, chapter 6 for license requirements.

4804 Areas Allowed To Be Used For Child Care In Family And Group Child Care Homes.

4804.1 Rooms used for child care purposes shall not be located above the first story.

Exception to 4804.1: In buildings equipped throughout with an approved automatic fire sprinkler system, rooms used for child care purposes may be located on the second story provided there are at least two (2) exits for the exclusive use of the child care occupancy.
directly to the exterior.

4804.2 Rooms used for child care purposes shall not be more than one floor level below ground level.

4804.3 Basements over one thousand five hundred (1,500) square feet used for child care purposes shall be provided with an approved automatic fire sprinkler system.

4804.4 Basements used for child care purposes shall conform to the provisions of the International Building Code.

4805 Doors. In addition to those requirements for doors and landings contained in the International Building Code, the International Fire Code, and Boise City Code, as adopted and amended by Boise City, the requirements in this section shall also apply to family and group child care homes.

4805.1 Closet Doors. Every closet door latch shall be such that children can open the door from inside the closet.

4805.2 Bathroom Doors. Every bathroom door lock shall permit opening of the locked door from outside in the event of an emergency. The opening device shall be readily accessible to the staff.

4806 Emergency Lighting.

4806.1 In child care facilities with an occupant load of less than fifty (50), at least one flashlight shall be immediately available for each member of the staff.

4806.2 In addition to the requirements of the International Building Code, the International Fire Code, and Boise City Code as adopted and amended by Boise City, child care facilities with an occupant load of fifty (50) or more shall be provided with emergency lighting in the following areas:

1. In all interior stairs and corridors.

2. In all portions of buildings that are interior or windowless.

Exception: Administrative areas, mechanical rooms, and storage rooms.
4807 Required Exits. Exits in child care facilities shall conform to the requirements of the International Building Code, the International Fire Code, and Boise City Code as adopted and amended by Boise City.

Exception 1: In family child care homes and group child care homes, a sliding door is acceptable as a second exit provided there also exists a primary entry/exit door meeting the International Building Code and International Fire Code requirements for dwellings.

Exception 2: In family child care homes and group child care homes, occupants may exit through a kitchen as a second means of egress provided there also exists a primary entry/exit door meeting the International Building Code and International Fire Code requirements for dwellings.

4808 Floor Plan. A floor plan shall be submitted to the Fire Department through the City Clerk's Office at time of license application.

4809 Receptacle Covers. All electrical outlets not in immediate use shall be provided with receptacle covers.

4810 Smoke Alarms. Single and multiple station smoke alarms shall be installed in all child care facilities in accordance with the requirements of this section. Except as otherwise specified herein, the requirements of the International Fire Code and the International Building Code for single and multiple station smoke alarms shall apply.

4810.1 Single and multiple station smoke alarms shall be installed in each story of a child care facility. In buildings with upper floors or basements, detectors shall be placed in each story at the top and bottom of the stairways and at no greater spacing than thirty feet (30') on center throughout the corridors of all floors. Single and multiple station smoke alarms shall also be installed in each lounge, recreation room, and sleeping room.

Exception 1: Facilities housing only clients six (6) years of age or older, if no sleeping facilities are provided.

Exception 2: Facilities housed in only one room.

4810.1.1 At least one smoke alarm required by this section shall be powered by an unswitched house AC electrical circuit. The AC powered smoke alarm shall also contain a battery. Additional smoke alarms may be powered by batteries alone.
4811 Inspection, Testing, And Maintenance Of Fire Protection Equipment. Child care facility operators shall maintain in working order all fire and life safety equipment, systems, and facilities. In addition to the requirements of the International Fire Code, inspections, tests and maintenance shall be performed in accordance with this section.

4811.1 Where such equipment is installed, child care facility operators shall cause to have the following items done on a monthly interval:

1. Testing of all battery operated and all hard wired smoke alarms for sound output by activating the test button. Where a test button is not provided, tests shall be conducted in accordance with manufacturers' guidelines.

2. A visual inspection of all fire extinguishers. This inspection shall include, but not be limited to, ensuring that units are fully charged, sealed, mounted in their proper location, and free of obvious damage.

3. Testing battery and lamp operation of emergency lighting by activating the test switch or button.

4811.2 Where such equipment is provided, child care facility operators shall cause to have the following items done at an interval not to exceed six (6) months:

1. Replace the batteries of all battery powered smoke alarms with fresh, fully charged batteries.

2. Replace the batteries in all flashlights equipped with replaceable batteries with fresh, fully charged batteries.

4811.3 A record of all required inspections, tests, and repairs shall be kept on the premises and be made available at the time of license inspection. A sample recordkeeping form for items 4811.1 and 4811.2 is available from the City Clerk. The inspection tag and/or the inspection report from a contractor qualified to perform such work shall satisfy the requirements of this section for fire extinguishers, fire alarm systems, and cooking hood extinguishing systems inspections, tests, and service.

4811.4 Fire extinguishers, fire alarm systems, and fire suppression systems shall all be inspected and maintained in accordance with the requirements of the International Fire Code and the appropriate testing standard.

(1952 Code § 7-01-65)
Adoption And Amendments To Appendices Of The IFC

5-12-65: Adoption Of And Amendments To Appendices

The following appendices of the International Fire Code, 2006 edition, are adopted and amended as follows:

1. Appendix A, Board of Appeals.


3. Appendix C, Fire Hydrant Locations And Distributions.

4. Appendix D, Fire Apparatus Access Roads, with the following amendments:

D103.2 Add sentence at end as follows:

Nor shall access roadways exceed a two percent (2%) grade for the first eighty feet (80') at the grade transition. Turnarounds shall not exceed two percent (2%) grade.

5. Appendix E, Hazard Categories.


(Ord. 16-17, 5-9-2017)

Amendment Adding Chapter 49 Of The IFC

5-12-66: Amendment Adding Chapter 49, Wildland-Urban Interface Code

4901 Scope. Upon the effective date hereof, the requirements contained herein shall be applicable to all new structures and additions constructed within the Boise City Wildland-Urban Interface (WUI) Zones as illustrated by Attachment 69-A. Design and construction of new structures within the WUI Zones shall comply with all the provisions of this chapter along with the current provisions contained within the International Fire Code, International Building Code and the Boise City Development Code as adopted and periodically amended or updated. Should any provision within this chapter conflict with any other provision of the Boise City Code, then this chapter shall control.
4902 Wildland Urban Interface Zone Designations. The Wildland Urban Interface Zones shall be depicted on maps available for inspection by the public. Zone A shall depict foothills fire hazard areas. Zone B shall depict valley, desert and other occluded fire hazard areas. These maps are generalized depictions of the WUI Zone boundaries. The Code official shall have final authority in determining which lots shall be included within each zone. The reevaluation and review of the WUI Zones shall be conducted every three (3) years or more frequently as deemed appropriate by the Boise City Council.

4903 Authority Of Code Official. The Chief of the Boise City Fire Department or his/her designee (hereinafter "Code official") is hereby authorized to enforce the provisions of this Code. The Code official is empowered to render interpretations of this Code and to adopt policies and procedures in order to effectuate the implementation and enforcement of the Code provisions contained herein. Such interpretations, policies and procedures shall be in accordance with the intent and purpose of this chapter.

4904 Violation And Penalty.

A. Criminal Penalties. Any person, firm or corporation found guilty of violating any provision of this chapter shall be guilty of a misdemeanor and, upon conviction, may be punished by a fine of not more than one thousand dollars ($1,000.00), by imprisonment for not more than one hundred eighty (180) days, or by both. Each day, or any portion thereof, a violation of this chapter occurs or continues shall constitute a separate offense, and upon conviction thereof may be punished as provided above.

B. Civil Penalties. Any person, firm or corporation violating any provision of this chapter may be assessed civil penalties in an amount of not more than two hundred dollars ($200.00) for a first offense and not more than one thousand dollars ($1,000.00) for each subsequent offense. Each day, or any portion thereof, a violation of this chapter occurs or continues shall constitute a separate violation and a civil penalty may be assessed as provided above. The notice of violation shall state what violation(s) has occurred and state when and to whom the civil penalty must be paid. Failure to pay the assessed civil penalty may result in legal or other action by Boise City and the violator may incur reasonable collection costs.

4905 Appeal. Any person, firm or corporation aggrieved by any action or decision of the Code official arising out of the enforcement of this chapter may appeal first to the Fire Code Board of Appeals, and then to the Boise City Council. Such appeal shall be made in writing and must be filed with the City Clerk within ten (10) calendar days after the action or decision which is the subject of the appeal. This appeal provision does not apply to criminal enforcement actions arising from the provisions of this Code.
Special Building Construction Regulations. Buildings and structures in WUI Zones A and B shall be constructed in accordance with the International Fire Code, International Building Code, the Boise City Code and this chapter.

Exceptions:

1. Detached accessory structures not exceeding two hundred (200) square feet in floor area.

2. In WUI Zone B, this chapter, with exception of roof coverings and repair of roof coverings, is only applicable to outer perimeter structures abutting undeveloped property.

General. Buildings and structures hereafter constructed, modified or relocated into or within the WUI Zones shall meet the construction requirements in accordance with this chapter. Fire resistant construction shall be in accordance with sections 4908 through 4918.

Roof Covering. Roofs shall have a Class A roof covering or a Class A roof assembly. For roof coverings where the profile allows a space between the roof covering and roof decking, the space at the eave ends shall be firestopped to preclude entry of flames or embers, or have one layer of seventy two (72) pound mineral surfaced, nonperforated cap sheathing complying with ASTM D 3909 installed over the combustible decking.

Replacement Or Repair Of Roof Coverings. Roof coverings on buildings or structures in existence prior to the adoption of this Code that are replaced or have fifty percent (50%) or more replaced in a twelve (12) month period shall be replaced with a roof covering as required for new construction based on the type of ignition resistant construction specified in accordance with section 4908.

Replacement Or Repair Of Siding. Siding coverings on buildings or structures in existence prior to the adoption of this Code that are replaced or have fifty percent (50%) or more replaced in a twelve (12) month period shall be replaced with a siding material as required for new construction based on the type of ignition resistant construction specified in accordance with section 4912.

Protection Of Eaves. Eaves and soffits shall be protected on the exposed underside by materials approved for a minimum of one hour fire resistance rated construction, one inch (1") (25.4 mm) nominal fire retardant treated lumber or three-fourths inch (3/4") (19 mm) nominal fire retardant treated plywood, identified for exterior use and meeting the requirements of section 2303.2 of the International Building Code. Fascias are required and shall be protected on the backside by materials approved for a minimum of one hour fire resistance rated
construction or two inch (2") (51 mm) nominal dimension lumber.

4912 Exterior Walls. Exterior walls of buildings or structures shall be constructed with one of the following methods:

1. Materials approved for a minimum of one hour fire resistance rated construction on the exterior side.

2. Approved noncombustible materials.

3. Heavy timber or log wall construction.

4. Fire retardant treated wood on the exterior side. The fire retardant treated wood shall be labeled for exterior use and meet the requirements of section 2303.2 of the International Building Code.

Such material shall extend from the top of the foundation to the underside of the roof sheathing.

4913 Unenclosed Underfloor Protection. Buildings or structures shall have all underfloor areas enclosed to the ground with exterior walls in accordance with section 4912.

Exception: Complete enclosure may be omitted where the underside of all exposed floors and all exposed structural columns, beams and supporting walls are protected as required for exterior one hour fire resistance rated construction or heavy timber construction.

4914 Appendages And Projections. Unenclosed accessory structures attached to buildings with habitable spaces and projections, such as decks, shall be a minimum of one hour fire resistance rated construction, heavy timber construction or constructed of approved noncombustible materials or fire retardant treated wood identified for exterior use and meeting the requirements of section 2303.2 of the International Building Code.

When the attached structure is located and constructed so that the structure or any portion thereof projects over a descending slope surface greater than ten percent (10%), the area below the structure shall have all underfloor areas enclosed to within six inches (6") (152 mm) of the ground, with exterior wall construction in accordance with section 4912.
4915 Exterior Glazing. Exterior windows, window walls, glazed doors, windows within exterior doors and skylights shall be tempered glass, multilayered glazed panels, glass block or have a fire protection rating of not less than twenty (20) minutes.

4916 Exterior Doors. Exterior doors shall be approved noncombustible construction, solid core wood not less than one and three-fourths inches (1 3/4") thick (45 mm), or have a fire protection rating of not less than twenty (20) minutes. Windows within doors and glazed doors shall be in accordance with section 4915.

Exception: Vehicle access doors.

4917 Vents. Attic ventilation openings, foundation or underfloor vents, or other ventilation openings in vertical exterior walls and vents through roofs shall not exceed one hundred forty-four (144) square inches (0.0929 m²) each. Such vents shall be covered with noncombustible corrosion resistant mesh with openings not to exceed one-fourth inch (1/4") (6.4 mm), or shall be designed and approved to prevent flame or ember penetration into the structure.

Attic ventilation openings shall not be located in soffits, in eave overhangs, between rafters at eaves, or in other overhang areas. Gable end and dormer vents shall be located at least ten feet (10') (3048 mm) from property lines. Underfloor ventilation openings shall be located as close to grade as practical.

4918 Detached Accessory Structures. Detached accessory structures greater than two hundred (200) square feet in floor area located less than fifty feet (50') (15 240 mm) from a building containing habitable space shall have exterior walls constructed with materials approved for a minimum of one hour fire resistance rated construction, heavy timber, log wall construction or constructed with approved noncombustible materials on the exterior side.

When the detached structure is located and constructed so that the structure or any portion thereof projects over a descending slope surface greater than ten percent (10%), the area below the structure shall have all underfloor areas enclosed to within six inches (6") (152 mm) of the ground, with exterior wall construction in accordance with section 4912 or underfloor protection in accordance with section 4913.

Exception: The enclosure may be omitted where the underside of all exposed floors and all exposed structural columns, beams and supporting walls are protected as required for exterior one hour fire resistance rated construction or heavy timber construction. See section 4908 for
4919 Emergency Vehicle Access And Fire Sprinkler System Requirements. Emergency vehicle access shall be provided in all designated WUI Zones in accordance with the provisions of the International Fire Code, the Boise City Code and this chapter.

Any multi-family dwelling with more than two (2) dwelling units located within WUI Zone A shall require approved fire sprinkler systems in dwelling structures if:

(a) The development is located more than one and one-half (1 1/2) miles from any fire station, or

(b) The development is located in an area where the response time from the nearest fire station is greater than four (4) minutes.

Fire sprinkler systems shall be required in WUI Zone A for all new multi-family dwellings with more than two (2) dwelling units with a floor area in excess of five thousand (5,000) gross square feet.

4920 Defensible Space.

Definition - Defensible Space: An area either natural or manmade, where material capable of allowing a fire to spread unchecked has been treated, cleared or modified to slow the rate and intensity of an advancing wildfire and to create an area for fire suppression operations to occur.

All newly constructed structures in Zones A and B shall be protected by a thirty foot (30') defensible space from undeveloped land. Defensible space may consist of the following, in order of preferred priority: a) a modified fire resistive perimeter area within a common lot or roadway outside of individual lots lines; and/or b) a fire resistive landscaped yard area within individual lot lines in accordance with National Fire Protection Association (NFPA) Standard 1144, "Standard for Reducing Structure Ignition Hazards From Wildland Fire". The maximum building envelope for development sites must be identified on each parcel to provide adequate access around the structure for fire protection, and to provide a fire break.

The defensible space shall include a landscape plan and a description of maintenance responsibilities for the property providing the defensible space. Those responsibilities shall be included in the CC&Rs for the property.

Landscaping within defensible space shall have the characteristics of fire resistive vegetation.
described as follows:

1. Growth with little or no accumulation of dead vegetation (either on the ground or standing upright).

2. Nonresinous plants (willow, poplar or tulip trees).

3. Low volume of total vegetation (for example, a grass area as opposed to a forest or shrub covered land).

4. Plants with high live fuel moisture (plants that contain a large amount of water in comparison to their dry weight).

5. Drought tolerant plants (deeply rooted plants with thick, heavy leaves).

6. Stands without ladder fuels (plants without small, fine branches and limbs between the ground and the canopy of overtopping shrubs and trees).

7. Plants requiring little maintenance (slow growing plants that, when maintained, require little care).

8. Plants with woody stems and branches that require prolonged heating to ignite.

In Zone B, when there is an approved phasing plan for expansion of the project beyond the perimeter currently being constructed, the temporary creation of one hundred feet (100') of defensible space may be substituted for the nonroofing related standards of this Code, subject to approval of the Fire official.

4921 Fire Safety Plan. Prior to preliminary plat approval, a fire safety plan shall be filed with any subdivision or planned unit development within Zone A or with any perimeter subdivision or planned unit development in Zone B that requires compliance with this Code. The plan shall be based on a site specific wildfire risk assessment that includes considerations of project size, location, topography, aspect, flammable vegetation, climatic conditions and fire history. The plan shall address water supply, access, building ignition and fire resistive factors, fire protection systems and equipment, defensible space and vegetation management. Developments with less than five (5) dwellings are not required to file a fire safety plan.

The fire safety plan shall be retained by the Code official.

(1952 Code § 7-01-69)
5-12-1: Declaration of Intent

It is the intent of the Council, by the passage of this Chapter, to adopt minimum standards necessary to safeguard life and limb, health, property and public welfare by regulating: a) the storage, use and handling of dangerous and hazardous materials, substances, devices and processes; b) the maintenance of buildings, premises and certain equipment; c) the maintenance of adequate egress facilities; d) construction and remodel of buildings and premises in cooperation with the International Building Code as administered by Planning and Development Services; and e) fire safety measures for minimizing losses of life and property. It is the further intent of the Council not to duplicate, overlap or conflict with codes adopted by the Council heretofore, and as said codes are hereafter amended, which provide minimum standards necessary to safeguard life or limb, health, property and public welfare by regulating and controlling the design, layout, construction, quality of materials, use, occupancy and location of buildings and certain equipment required for the construction and operation of buildings. However, it is the intent of the Council by this chapter to acknowledge that in addition to setting maintenance requirements, the International Fire Code also regulates new construction. It is therefore the intent of Council to coordinate the provisions of the International Fire Code with the various International Codes (Building, Plumbing, Gas and Mechanical) so that these various International Codes complement each other to regulate construction, installation and occupancy use. (1952 Code § 7-01-01)

5-12-2: Code Adopted

Intending each provision to have the force and effect of ordinance, the Council hereby adopts all the rules, regulations and ordinances of a general and permanent character relating and applying to and regulating (a) the storage, use and handling of dangerous and hazardous materials, substances, devices and processes, (b) the maintenance of buildings, premises and certain equipment, (c) the maintenance of adequate egress facilities, (d) construction and remodel of buildings and premises, and (e) fire safety measures for minimizing losses of life and property, as said rules, regulations and ordinances are printed and contained in a book in code form designated and entitled "International Fire Code," 2018 Edition printed and published by the International Code Council with the following amendments.

5-12-3: IFC Amendment, Section 101.1, Title

101.1 Title. These regulations shall be known hereafter as the “Fire Code” of the City of Boise, hereinafter referred to as “this code.”

5-12-4: IFC Amendment, Add Section 104.2.1, Fire Department Plan Review

104.2.1 Fire Department Plan Review. It is the intent of Council by passage of this section to adopt minimum standards of life and property safety by requiring that all commercial building plans be submitted to the Fire Department for review for compliance with the International Fire Code as adopted and amended. It is further the intent of the Council that to avoid confusion, any amendments, waivers, variances, or approved equivalents to sections of the International Building Code, or any other adopted
code in the city, which are duplicated in the International Fire Code do not automatically constitute amendment, waiver, variance, or approved equivalent of the affected section of the Fire Code, unless the fire code official has specifically approved an amendment, waiver, variance, or an equivalent of the affected section of the Fire Code. In addition to those items specified elsewhere in this code, the Fire Department shall review and approve plans for the following before a building permit is issued:

1. All new commercial buildings
2. All remodels in commercial buildings requiring modification to fire sprinklers or fire alarms
3. Any change of occupancy classification of a building or any part thereof
4. New residential occupancies of three (3) or more units
5. Commercial parking lots
6. Commercial grading or drainage.

5-12-5: IFC Amendment, Section 105.3.3, Occupancy Prohibited Before Approval

105.3.3 Occupancy Prohibited Before Approval. Add paragraph to the end of 105.3.3 to read as follows: Temporary structures, and temporary uses in structures, shall not be occupied without approval of the fire code official. All buildings, new and existing, within the City of Boise shall have a valid Certificate of Occupancy or equivalent issued by the Building Department.

5-12-6: IFC Amendment, Add Section 106.6, Rereview Fee

106.6 Rereview Fee. The fire code official is authorized to assess a fee for rereviewing plans. The rereview fee may apply to each resubmittal starting after the third review. The rereview fee shall be in accordance with the conditions, amounts, and limitations listed in the adopted and amended edition of the Building Code.

5-12-7: IFC Amendment, Add Section 106.7, Fire Protection System Plan Modification Fee

106.7 Fire Protection System Plan Modification Fee. Plan revisions submitted for approval after a permit and approved plans have been issued, shall be charged the normal permit fee based on the number of heads/initiating devices affected (hydraulically or electrically) by the modification.

5-12-8: IFC Amendment, Add Section 106.8, Reinspection Fees

106.8 Reinspection Fees. A reinspection fee may be assessed for each reinspection when such portion of work for which inspection is called is not completed or when corrections called for are not made within the allotted time. Fees may be assessed on work associated with construction permits or periodic inspections of existing buildings in accordance with the adopted fee schedule.

5-12-9: IFC Amendment, Section 109.1, Board of Appeals Established
109.1 Board of Appeals Established. Add paragraph to the end of 109.1 to read as follows: The Building Code Board of Appeals, as established in Title 9 of the Boise City Code (BCC), shall be considered the board of appeals as required by this section. All rules and procedures of the Building Code Board of Appeals shall apply. For the purposes of this section the fire code official shall be deemed as an ex-officio member of the Building Code Board of Appeals.

5-12-10: IFC Amendment, Section 110.4, Violation Penalties

110.4 Violation Penalties. Persons who shall violate a provision of this code or shall fail to comply with any of the requirements thereof or who shall erect, install, alter, repair or do work in violation of the approved construction documents or directive of the fire code official, or of a permit or certificate used under provisions of this code, shall be guilty of a misdemeanor, punishable by a fine of not more than $1000 or by imprisonment not exceeding 6 months, or both such fine and imprisonment. Each day that a violation continues after due notice has been served shall be deemed a separate offense.

5-12-11: IFC Amendment, Section 112.4, Failure to Comply

112.4 Failure to Comply. Any person who shall continue any work after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be guilty of a misdemeanor, punishable by a fine of not more than $1000 or by imprisonment not exceeding 6 months, or both such fine and imprisonment. Each day that a violation continues after due notice has been served shall be deemed a separate offense.

5-12-12: IFC Amendment, Section 202, General Definitions (Amend only the following definitions):

OCCUPANCY CLASSIFICATION. Amend only the following paragraphs in definitions to read as follows:

[BG] Education Group E. Amend the last paragraph to read as follows:

[BG] Twelve (12) or fewer children in a dwelling unit. A facility such as the above within a dwelling unit and having twelve (12) or fewer children receiving such day care shall be classified as a Group R-3 occupancy or shall comply with the International Residential Code.

[BG] Institutional Group I-1. Amend the last paragraph to read as follows:

[BG] Five (5) or fewer persons receiving custodial care. A facility with five (5) or fewer persons receiving custodial care shall be classified as a Group R-3 occupancy or shall comply with the International Residential Code.

[BG] Institutional Group I-2. Amend the last paragraph to read as follows:
[BG] Five (5) or fewer persons receiving medical care. A facility with five (5) or fewer persons receiving medical care shall be classified as a Group R-3 occupancy.

[BG] Institutional Group I-4, day care facilities. Amend the last paragraph to read as follows:

[BG] Persons receiving care in a dwelling unit. A facility such as the above within a dwelling unit and having twelve (12) or fewer children receiving day care, or having five (5) or fewer persons receiving custodial care, shall be classified as a Group R-3 occupancy or shall comply with the International Residential Code.

[BG] Residential Group R-3. Residential Group R-3 occupancies where the occupants are primarily permanent in nature and not classified as Group R-1, R-2, R-4, E or I, including:

1. Buildings that do not contain more than two (2) dwelling units
2. Care facilities that provide accommodations for five (5) or fewer persons receiving personal care, custodial care or medical care
3. Congregate living facilities (nontransient) with sixteen (16) or fewer occupants:
   - Boarding houses (nontransient)
   - Convents
   - Dormitories
   - Fraternities and sororities
   - Monasteries
4. Congregate living facilities (transient) with ten (10) or fewer occupants:
   - Boarding houses (transient)
5. Dwelling units providing day care for twelve (12) or fewer children
6. Lodging houses (transient) with five (5) or fewer guest rooms and ten (10) or fewer occupants

[BG] Care facilities within a dwelling. Care facilities for twelve (12) or fewer children receiving day care, or for five (5) or fewer persons receiving personal care or custodial care, that are within a one- or two-family dwelling are permitted to comply with the International Residential Code.

OPEN BURNING. The burning of materials wherein products of combustion are emitted directly into the ambient air without passing through a stack or chimney from an enclosed chamber. Open burning does not include road flares, smudge-pots and similar devices associated with safety or occupational uses typically considered open flames. Recreational fires or use of portable outdoor fireplaces shall be considered open burning. For the purpose of this definition, a chamber shall be regarded as enclosed when, during the time combustion occurs, only apertures, ducts, stacks, flues or chimneys necessary to provide combustion air and permit the escape of exhaust gas are open.

[A] TOWNHOUSE. A single-family dwelling unit constructed in a row of attached units separated by property lines and with open space on at least two (2) sides.
5-12-13: IFC Amendment, Section 304.1.2, Vegetation

304.1.2 Vegetation. Weeds, grass, vines or other growth that is capable of being ignited and endangering property, shall be cut down and removed by the owner or occupant of the premises. When weeds, grass, vines or other growth are over 12 inches in height and is determined by the fire code official to be a fire hazard, the owner or owner’s representative shall be notified of the hazard by certified mail or in person. Upon failure, neglect, or refusal of any owner or owner’s representative to abate the hazard within the period specified, the fire code official is hereby authorized and empowered to cause abatement or cleanup. The City may recover the cost of abatement or cleanup as allowed under Idaho State Code 50-1008 as a lien upon the property or as a city tax for costs incurred in the abatement or cleanup.

304.1.2.1 Erosion Control. Vegetation should be trimmed to not less than 6 inches in height on sloped terrain to maintain slope stability for erosion control.

304.1.2.1 Wildland-Urban Interface Areas. Vegetation clearance requirements in wildland-urban interface areas shall be in accordance with Chapter 41 of this code.

5-12-14: IFC Amendment, Section 307.2, Permit Required

307.2 Permit Required. A permit shall be obtained from the fire code official in accordance with Section 105.6, prior to open burning, for the following types of fires:

1. Recognized silvicultural or range or wildlife management practices, prevention or control of disease or pests
2. Irrigation ditches and fence rows
3. Bonfires
4. Special fires allowed at the discretion of the fire code official.

Permits are not required for recreational fires or portable outdoor fireplaces conducted and approved in accordance with Sections 307.1.1 through 307.5, or training fires approved by the Fire Chief. Permits are required for open burning, recreational fires and portable outdoor fireplaces located in a wildland-urban interface hazard areas, and shall be approved by the fire code official prior to use, and be in accordance with Chapter 41 of this code.

5-12-15: IFC Amendment, Section 307.2.2, Air Quality Index

307.2.2 Air Quality Index. All open burning, even if a valid permit has been issued or no permit is required, is prohibited when the Air Quality Index (AQI) as reported by the Idaho Department of Environmental Quality (DEQ) reaches 60 or higher for any pollutant.

Exception: Fires used in the training of firefighting personnel when approved by the Fire Chief.

5-12-16: IFC Amendment, Add Section 315.3.5, Storage Height Signage
315.3.5 Storage Height Signage. In buildings or areas of buildings where storage heights of combustible materials over 12 feet are possible, but exact commodity and height are unknown, signage shall be provided to indicate the maximum permissible storage height and commodity class. Signage design and location shall be approved by the fire code official.

5-12-17: IFC Amendment, Add Section 401.8.1, Silencing Fire Alarms

401.8.1 Silencing Fire Alarms. It is prohibited for anyone, other than fire department personnel or fire protection system contractors, while in the performance of their duties, to silence, restore or reset a fire alarm system without the permission of the fire code official.

5-12-18: IFC Amendment, Section 503.1.1, Buildings and Facilities

503.1.1 Buildings and Facilities. Add Exception 1.4 to read as follows: 1.4. Structures used solely as public restrooms or public picnic shelters that meet all the following: single story, above grade, non-combustible construction, 500 square feet or less in building area, 60 feet open yards on all sides.

5-12-19: IFC Amendment, Section 503.2.4, Turning Radius

503.2.4 Turning Radius. Fire apparatus access roads shall have a minimum outside turning radius of 48-feet and a minimum inside turning radius of 28-feet.

5-12-20: IFC Amendment, Section 503.2.6, Bridges and Elevated Surfaces

503.2.6 Bridges and Elevated Surfaces. Add a paragraph to the end of 503.2.6 to read as follows: Bridges over the Boise River shall provide a minimum of 8 feet clearance between the lowest part of the bridge and the water surface at 3000 cubic feet per second (cfs) flow.

5-12-21: IFC Amendment, Add Section 503.3.1, Signage

503.3.1 Signage. Fire lane signage shall be provided in accordance with Section D103.6. Areas where parking is prohibited shall be so designated by one of the following methods:

1. Fire lane signs shall be placed at all points of entry to properties or subdivisions, at intervals of not less than 100 feet, on all sides of a vehicle pathway on which parking is prohibited. A minimum of three (3) signs shall be provided in required turnarounds and cul-de-sacs. Signs shall face oncoming traffic.
2. Properties with marked parking stalls shall place signs at all points of entry stating; “Notice All Roads Are Fire Lanes – Park Only in Designated Parking Areas”, or similar signage as approved by the fire code official. Such signs shall face traffic entering the property.
3. All curbs along private roads where parking is prohibited shall be painted red. Stenciling shall be provided every 50-feet stating, “Fire Lane – No Parking”. Letters shall be white and a minimum of 3-inches in height.
4. Signage in compliance with Ada County Highway District (ACHD) standards for such markings.

5-12-22: IFC Amendment, Add Section 503.5.2, Barricade Specifications

503.5.2 Barricade Specifications. If other City or County agencies require that emergency vehicle access roadways be secured with a barricade, chain, gate or bollard, such barricade must meet the following criteria: Removal or opening of said barricade must result in a clear unobstructed road width of twenty feet (20’). Chains and locks shall be of such quality so as not to damage Fire Department cutting tools nor shall cutting operations result in any unnecessary time delay. Bollards must be of an easily removable type, shall leave nothing protruding up from the roadway surface when removed, and shall be approved by the code official.

5-12-23: IFC Amendment, Add Section 503.7, Dive Boat Access

503.7 Dive Boat Access. Where required by the fire code official access shall be provided to waterways including, but not limited to, rivers, creeks, canals, ponds or lakes. Dive boat access roadways and ramps shall comply with all the following:
1. Capable of supporting a fire apparatus weighing at least 12,000 pounds
2. Minimum of 12-feet in width
4. Constructed with a surface of asphalt, concrete or ACHD approved road mix
5. Maximum grade of 20% on the launch ramp
6. Minimum of 3-feet of water at 800 cfs flow at the launch point.

5-12-24: IFC Amendment, Add Section 505.1.1, Corner Lots

505.1.1 Corner Lots. Where a property is located on a corner lot and access is provided to the property from a street other than the address street, address number and street name shall be visible from both streets fronting the property.

5-12-25: IFC Amendment, Add Section 505.1.2, Tenant Space Identification

505.1.2 Tenant Space Identification. All tenant spaces shall be readily identified by an approved suite or space number or other approved method. In multi-tenant commercial occupancies, the tenant spaces shall be readily identified on front and, if present, rear doors of the occupancy using a method approved by the fire code official.

5-12-26: IFC Amendment, Add Section 505.1.3, Addresses for Multifamily Dwellings
505.1.3 Addresses for Multifamily Dwellings. Individual apartment, condominium, or townhouse structures within a common complex shall be designated with separate addresses. Individual unit numbers shall be assigned so there is no duplication of unit designations within a building. First floor shall be 100 series, second floor 200 series, and so on for each successive floor. Basements shall be 10 series if the next higher floor is designated the first floor; or basements shall be designated 100 series if the next higher floor is designated the second floor.

5-12-27: IFC Amendment, Section 506.1, Key Boxes Where Required

506.1 Key Boxes Where Required. Add a paragraph to the end of 506.1 to read as follows: Unless otherwise approved by the fire code official, key boxes are required for all structures with fire alarm or sprinkler systems which are connected to a monitoring service. For premises with 24-hour, on-location security, key boxes may not be required by the fire code official.

5-12-28: IFC Amendment, Section 507.2, Type of Water Supply

507.2 Type of Water Supply. A water supply shall consist of reservoirs, pressure tanks, elevated tanks, water mains or other fixed systems capable of providing the required fire flow with at a minimum of 20 psi residual pressure.

5-12-29: IFC Amendment, Section 507.5.1, Fire Hydrant Systems Where Required

507.5.1 Fire Hydrant Systems Where Required. Add an Exception to read as follows: 3. Structures used solely as public restrooms or public picnic shelters that meet all the following: single story, above grade, non-combustible construction, 500 square feet or less in building area, 60 feet open yards on all sides.

5-12-30: IFC Amendment, Add Section 507.5.7, Fire Hydrant Supply Connections

507.5.7 Fire Hydrant Supply Connections. Fire hydrants and fire suppressions systems shall be supplied with independent connections to the municipal supply mains. Looped private fire service mains that are supplied from two (2) points of connection to municipal supply mains shall be allowed.

Exception: Where sprinkler hydraulic calculations show that a minimum of 500 GPM can be provided at the hydrant while simultaneously supplying the fire sprinkler system.

5-12-31: IFC Amendment, Add Section 901.4.2.1, Non-Required Fire Alarm Systems

901.4.2.1 Non-Required Fire Alarm Systems. Nonrequired fire alarm systems shall be provided with occupant notification in accordance with the requirements of Section 907.5 for a required system. Partial coverage initiating devices shall be permitted provided the devices are installed in accordance with Section 907.4. Partial coverage occupant notification shall not be permitted unless specifically allowed in another section of this code.
5-12-32: IFC Amendment, Add Section 903.3.1.1.3, Speculative Warehouse

903.3.1.1.3 Speculative Warehouse. Warehouses where storage heights of combustible materials over 12 feet are possible, but exact commodity and height are unknown, shall have sprinkler protection designed for a minimum of Class IV commodity to the maximum available storage height.

Exception: The fire code official may approve an alternative sprinkler protection design where signage is installed in accordance with Section 315.3.5.

5-12-33: IFC Amendment, Add Section 903.3.1.3.1, NFPA 13D Alarms

903.3.1.3.1 NFPA 13D Alarms. NFPA 13D sprinkler systems shall be equipped with an outside alarm indicating device installed in an approved location.

5-12-34: IFC Amendment, Add Section 903.3.5.3, Control Valve Location

903.3.5.3 Control Valve Location. Fire sprinkler system main control valves shall be located in a fire sprinkler riser room that is separated from the building on all sides by a one-hour fire rated assembly, including opening and penetration protection, as defined by the Building Code. The fire sprinkler riser room shall be provided with an exterior door that opens directly into the room.

Exception: Sprinkler systems provided with post indicator valves located in an approved location.

5-12-35: IFC Amendment, Add Section 903.3.5.4, Depth of Cover

903.3.5.4 Depth of Cover. The depth of cover over underground sprinkler water pipes shall be a minimum of 54-inches measured from the top of the pipe to finished grade.

5-12-36: IFC Amendment, Section 903.4.3, Floor Control Valves

903.4.3 Floor Control Valves. Unless otherwise approved by the fire code official, supervised indicating control valves shall be provided at point of connection on each floor in buildings two (2) or more stories in height.

Exceptions:
1. One- and two-family dwellings.
2. Buildings less than or equal to three (3) stories in height with floor areas less than 5,000 square feet.

5-12-37: IFC Amendment, Add Section 904.7.2, Use of Foam-Water Suppression Systems
904.7.2 Use of Foam-Water Suppression Systems. Prior to the approval of any permit for the installation or modification of a foam-water suppression system, approval in writing shall be received from the fire code official. Approval shall only be permitted when in the opinion of the fire code official no reasonable alternative to these systems exist. Where permitted, mitigation measures shall be provided as approved by the fire code official.

5-12-38: IFC Amendment, Add Section 906.5.1, Multi-Story Installation Near Stairwells

906.5.1 Multi-Story Installation Near Stairwells. In multi-story buildings, at least one 2A fire extinguisher shall be located adjacent to the stairway at each floor level. Extinguishers shall not be placed on half landings unless approved by the fire code official.

5-12-39: IFC Amendment, Add Section 907.6.7, FACP Location and Identification

907.6.7 FACP Location and Identification. The fire alarm control panel (FACP) shall be mounted in such a location to be in obvious view from the main entrance of the building.

Exception: When the FACP is not in obvious view, a remote annunciator shall be provided at the main entrance of the building and approved signage shall be installed to indicate the location of the FACP.

5-12-40: IFC Amendment, Add Section 912.2.3, Distance to Access and Water Supply

912.2.3 Distance to Access and Water Supply. Fire department connections (FDC’s) and associated outside alarm indicator shall be installed within 100 feet of an approved fire apparatus access lane and within 300 feet of a fire hydrant.

5-12-41: IFC Amendment, Add Section 914.8.3.3, Use of Foam Systems in Aircraft Hangars

914.8.3.3 Use of Foam Systems in Aircraft Hangars

Prior to the approval of any permit for the installation or modification of a foam-water suppression system, approval in writing shall be received from the fire code official. Approval shall only be permitted when in the opinion of the fire code official no reasonable alternative to these systems exist. Where permitted, mitigation measures shall be provided as approved by the fire code official.

5-12-42: IFC Amendment, Section 1101.1, Scope

1101.1 Scope. The provisions of this chapter shall apply to existing buildings constructed prior to the adoption of this code, if in the opinion of the fire code official they constitute a distinct hazard to life or property.

5-12-43: IFC Amendment, Section 2007.6, Foam Protection
Section 2007.6 Foam Protection. Add a paragraph to the end of 2007.6 to read as follows: Prior to the approval of any permit for the installation or modification of a foam-water suppression system, approval in writing shall be received from the fire code official. Approval shall only be permitted when in the opinion of the fire code official no reasonable alternative to these systems exist. Where permitted, mitigation measures shall be provided as approved by the fire code official.

5-12-44: IFC Amendment, Section 3304.5, Fire Watch

3304.5 Fire Watch. Add a paragraph to the end of 3304.5 to read as follows: Where approved by the fire code official, a fire watch may be used to permit the temporary occupancy of a building before it is completed or during demolition.

5-12-45: IFC Amendment, Add a Chapter 40, CHILDCARE FACILITIES

4001 GENERAL. This chapter shall apply to new and existing childcare facilities including Family Childcare Homes, Group Childcare Homes and Childcare Centers. All other maintenance and construction provisions of this code for general or specific occupancies or hazards shall also apply.

4002 EXISTING FACILITIES. Childcare facilities legally approved, and in existence prior to adoption of this code, shall comply with the code under which they were approved. Maintenance provisions of this chapter shall apply to existing facilities. Facilities that cease to operate for a period of six (6) months or more, and are seeking a new license, shall be considered a new childcare facility.

4003 LICENSE AND INSPECTION. Each premise shall be inspected as often as is deemed necessary by the fire code official or the City Clerk. The City Clerk shall inspect, or cause to be inspected, all Family or Group Childcare Homes before granting a license to operate. The fire code official shall inspect, or shall cause to have inspected, all other Childcare facilities before the City Clerk grants a license to operate.

4004 LOCATION OF FACILITIES. Facilities or portions of facilities located on a story below the level of exit discharge shall have at least two (2) exits which must open directly to the exterior, one (1) of which shall exit directly from the basement to the exterior. Facilities shall not be located more than one (1) story below ground level. Facilities or portions of facilities located on a story above the level of exit discharge shall have at least two (2) exits which must open directly to the exterior and shall be protected with an automatic fire sprinkler system.

4005 EXITS. Exits in childcare facilities shall comply with the International Fire Code.

4005.1 Sliding Door. In Family Childcare Homes and Group Childcare Homes, a sliding door is acceptable as a second exit provided there is also a primary entry/exit door meeting the International Residential Code requirements for dwellings.
4006 SAFETY. Childcare facilities shall meet all of the following safety requirements.

4006.1 Closet Doors. Every closet door latch shall be such that children can open the door from inside the closet.

4006.2 Bathroom Doors. Every bathroom door lock shall permit opening of the locked door from outside in the event of an emergency. The opening device shall be readily accessible to the staff.

4006.3 Receptacle Covers. All electrical outlets not in immediate use shall be provided with receptacle covers or approved safety devices.

4006.4 Flashlights. Childcare facilities, with an occupant load of less than 50, shall have at least one (1) flashlight immediately available for each member of the staff.

4006.5 Portable Fire Extinguishers. A minimum of one (1) 2A-10BC portable fire extinguisher shall be provided on each floor of childcare facilities. Travel distance to portable fire extinguishers shall not exceed seventy-five (75) feet.

4007 SMOKE ALARMS. Smoke alarms shall be installed in the following locations:
1. On the ceiling or wall outside of each separate sleeping area in the immediate vicinity of sleeping rooms.
2. In each room used for sleeping, lounging or recreation purposes.
3. In each story within a dwelling unit, including basements but not including crawl spaces and uninhabitable attics.
4. At the top and bottom of the stairways and at no greater spacing than 30 feet on center throughout the corridors of all floors.

Exception: A childcare facility not provided with sleeping facilities that only provides care for children more than six (6) years of age.

4007.1 Power Source. In new facilities, required smoke alarms shall receive their primary power from the building wiring, where such wiring is served from a commercial source, and shall be equipped with a battery backup.

4008 TESTING AND MAINTENANCE. Operators of childcare facilities shall maintain, in working order, all fire and life safety equipment, systems, and facilities. Inspection, testing and maintenance shall be performed in accordance with this section and other provisions of this code.

4008.1 Monthly. The following items shall be completed monthly:

1. Manual fire alarm system test
2. Testing of all smoke alarms
3. Visual inspection of all portable fire extinguishers
4. Testing all emergency lighting and flashlights for proper operation.

4008.2 Biannual. The following items shall be completed every six (6) months:

1. Replace the batteries of all battery powered smoke alarms with new batteries
2. Replace the batteries in all flashlights with new batteries.

4008.3 Records. A record of all required inspections, tests and repairs shall be kept on the premises and be made available at the time of license inspection.

5-12-46: IFC Amendment, Add a Chapter 41, WILDLAND-URBAN INTERFACE (WUI) CODE

4101 SCOPE. Upon the effective date of this ordinance, the requirements contained herein shall be applicable to all new structures and additions constructed within City of Boise Wildland-Urban Interface (WUI) areas. Design and construction of new structures within WUI areas shall comply with all the provisions of this chapter along with the current provisions contained within the Boise City Code and Boise City Zoning Code as adopted and periodically amended or updated. Should any provision within this chapter conflict with any other provision of Boise City Code, then the more restrictive shall control.

4102 AUTHORITY OF THE CODE OFFICIAL. The fire code official or building code official is hereby authorized to enforce the provisions of this chapter. The fire code official may render interpretations of this code and adopt policies and procedures in order to effectuate the implementation and enforcement of the code provisions contained herein. Such interpretations, policies and procedures shall be in accordance with the intent and purpose of this chapter.

4103 PLANS AND SPECIFICATIONS

4103.1 Site Plan. In addition to the requirements for plans in the International Building Code, site plans shall include topography, width and percent of grade of access roads, landscape and vegetation details, locations of structures or building envelopes, existing or proposed overhead utilities, occupancy classification of buildings, types of ignition-resistant construction of buildings, structures and their appendages, roof classification of buildings, and site water supply systems. The code official is authorized to waive or modify the requirement for a site plan where the application for permit is for alteration or repair or where otherwise warranted.

4103.2 Wildfire Safety and Mitigation Plan. Prior to or with a submittal of a preliminary plat or annexation, a Wildfire Safety and Mitigation Plan, with site plan, shall be prepared and submitted to the code official for review and approved as a part of the plans required for a permit.

4103.2.1 General. When required by the code official, a Wildfire Safety and Mitigation Plan shall be prepared.
4103.2.2 Content. The plan shall be based upon a site-specific, wildfire risk assessment that includes considerations of location, topography, aspect, flammable vegetation, climatic conditions and fire history. The plan shall also address water supply, fire department access, structure ignition and fire-resistance factors, fire protection systems and equipment, defensible space and vegetation management, and other information as required by the fire code official.

4103.2.2.1 Vegetation Management. This section shall describe all actions that will be taken to prevent a fire from being carried toward or away from the structure(s), and shall include at least the following information:

1. Methods and timetables for controlling, changing or modifying areas on the property to create and maintain defensible space. Elements of the plan shall include removal of slash, snags, vegetation that may grow into overhead electrical lines, other ground fuels, ladder fuels and dead trees, and the thinning of live trees, landscaping plans, etc.
2. A plan for maintaining the proposed hazardous fuel-reduction and mitigation measures.

4103.2.3 Maintenance. The Wildfire Safety and Mitigation Plan shall be incorporated into the CC&R’s for subdivisions to ensure long-term maintenance and adherence to these requirements.

4103.2.4 Cost. The cost of plan preparation and review shall be the responsibility of the applicant.

4103.2.5 Plan Retention. The plan shall be retained by the code official.

4103.2.6 Qualifications. The plan shall be prepared by a special expert (e.g. wildfire mitigation specialist) or other person demonstrating the competence and relevant experience or training. The preparer shall be acceptable and approved by the fire code official.

4104 DEFINITIONS

ACCESSORY STRUCTURE. A building or structure used to shelter or support any material, equipment, chattel or occupancy other than a habitable building.

DEFENSIBLE SPACE. An area either natural or manmade, where material capable of allowing a fire to spread unchecked has been treated, cleared or modified to slow the rate and intensity of an advancing wildfire and to create an area for fire suppression operations to occur.
**FIRE-RESISTANCE-RATED CONSTRUCTION.** The use of materials and systems in the design and construction of a building or structure to safeguard against the spread of fire within a building or structure and the spread of fire to or from buildings or structures to wildland fuels.

**FLAME SPREAD INDEX.** A comparative measure, expressed as a dimensionless number, derived from visual measurements of the spread of flame versus time for a material tested in accordance with ASTM E 84 or UL 723. Flame spread index ratings and ranges are as follows:

1. Class A – (0 – 25)
2. Class B – (26 – 75)

**FUEL MODIFICATION.** A method of modifying fuel load by reducing the amount of non-fire-resistant vegetation or altering the type of vegetation to reduce the fuel load.

**FUEL MOSAIC.** A fuel modification system that provides for the creation of islands and irregular boundaries to reduce the visual and ecological impact of fuel modification.

**IGNITION-RESISTANT BUILDING MATERIAL.** A type of building material that resists ignition or sustained flaming combustion sufficiently so as to reduce losses from wildland-urban interface conflagrations under worst-case weather and fuel conditions with wildfire exposure of burning embers and small flames, as prescribed in Section 4108.

**IGNITION-RESISTANT CONSTRUCTION, CLASS 1 (IR1), CLASS 2 (IR2) & CLASS 3 (IR3).** A schedule of additional requirements for construction in wildland-urban interface areas based on representative fire hazard.

**LOG WALL CONSTRUCTION.** A type of construction in which exterior walls are constructed of solid wood members and where the smallest horizontal dimension of each solid wood member is at least 6 inches.

**MULTILAYERED GLAZED PANELS.** Window or door assemblies that consist of two (2) or more independently glazed panels installed parallel to each other, having a sealed air gap in between, within a frame designed to fill completely the window or door opening in which the assembly is intended to be installed.

**NONCOMBUSTIBLE.** As applied to building construction material, means a material that, in the form in which it is used, is either one of the following:

1. Material of which no part will ignite and burn when subjected to fire. Any material conforming to ASTM E 136 shall be considered noncombustible within the meaning of this section.
2. Material having a structural base of noncombustible material as defined in Item 1 above, with a surfacing material not over 1/8-inch-thick, which has a flame spread index of 50 or less. Flame spread index as used herein refers to a flame spread index obtained according to tests conducted as specified in ASTM E 84 or UL 723.

“Noncombustible” does not apply to surface finish materials. Material required to be noncombustible for reduced clearances to flues, heating appliances or other sources of high temperature shall refer to material conforming to Item 1. No material shall be classified as noncombustible that is subject to increase in combustibility or flame spread index, beyond the limits herein established, through the effects of age, moisture or other atmospheric condition.

NONCOMBUSTIBLE ROOF COVERING. A roof covering consisting of any of the following:

1. Cement shingles or sheets
2. Exposed concrete slab roof
3. Ferrous or copper shingles or sheets
4. Slate shingles
5. Clay or concrete roofing tile
6. Approved roof covering of noncombustible material.

SETBACK. Distance from the nearest lot line to any portion of a structure, including appendages (e.g. decks, etc.).

SLOPE. The variation of terrain from the horizontal; the number of feet rise or fall per 100 feet measured horizontally, expressed as a percentage.

STRUCTURE. That which is built or constructed.

SUBDIVISION. The division of a tract, lot or parcel of land into two or more lots, plats, sites or other divisions of land.

TREE CROWN. The primary and secondary branches growing out from the main stem, together with twigs and foliage, normally considered the upper part of the tree.

UNDEVELOPED PROPERTY. Land that is largely in a natural condition, is primarily non-irrigated and non-paved and is often connected to other similarly undeveloped land that constitutes part of the wildland or wildland-urban interface, including natural open space. The code official shall determine when property constitutes undeveloped property.

UNENCLOSED ACCESSORY STRUCTURE. An accessory structure without a complete exterior wall system enclosing the area under roof or floor above.
**WILDFIRE.** An uncontrolled fire spreading through vegetative fuels, exposing and possibly consuming structures.

**WILDFIRE SAFETY AND MITIGATION PLAN.** A document prepared for a specific project or development proposed for wildland-urban interface areas. It describes ways to minimize and mitigate the fire problems created by the project or development, with the purpose of reducing impact on the community’s fire protection delivery system.

**WILDLAND.** An area in which development is essentially nonexistent, except for roads, railroads, power lines and similar facilities.

**WILDLAND-URBAN INTERFACE AREA.** That geographical area where structures and other human development meets or intermingles with wildland or vegetative fuels.

**4105 WILDLAND-URBAN INTERFACE (WUI) AREA DESIGNATIONS**

**4105.1 Declaration.** The fire code official shall declare the wildland-urban interface (WUI) and ignition-resistant (IR) construction areas within the jurisdiction. These areas and designations shall be based on best available data.

**4105.2 Mapping.** Wildland-urban interface areas shall be recorded on maps available for inspection by the public. The wildland-urban interface area boundary shall correspond to natural or man-made features. These maps are generalized depictions of the WUI area boundaries. The fire code official shall have final authority in determining which lots shall be included within each area.

**4105.2.1 General IR1 Areas.** Areas required to utilize Class 1 Ignition-Resistant Construction (IR1) shall generally depict foothills fire hazard areas. Further, as the city annexes land to the north and west, the IR1 areas will be automatically modified to include annexed lands that are generally north and west of Hill Road.

**4105.2.2 General IR2 Areas.** Areas required to utilize Class 2 Ignition-Resistant Construction (IR2) shall generally depict valley, desert, and other occluded fire hazard areas. Interior lots for IR2 areas may be allowed to utilize Class 3 Ignition-Resistant Construction (IR3) as determined by the code official.

**4105.2.3 Other Areas.** Additional areas at threat from wildfire shall be determined by the fire code official. These areas may include properties adjacent to occluded undeveloped properties, in areas not historically considered wildland-urban interface.
4105.3 Review of Wildland-Urban Interface Areas. The fire code official shall reevaluate and recommend modification to the wildland-urban interface areas in accordance with Section 4105.1 on a 5-year basis, or more frequently as deemed necessary by the fire code official.

4106 ACCESS AND WATER SUPPLY

4106.1 General. Access and water supply shall be in accordance with the International Fire Code and Boise City Code.

4107 BUILDING CONSTRUCTION REGULATIONS

4107.1 Scope. Buildings and structures hereafter constructed, modified or relocated into or within WUI areas shall meet the construction requirements in accordance with this code, the International Building Code, International Fire Code and Boise City Code.

Exceptions:
1. Detached accessory structures not exceeding 200 square feet in floor area where located 50 feet or more from buildings containing habitable spaces.
2. Agricultural buildings located 50 feet or more from buildings containing habitable spaces.

4107.2 Objective. The objective of Sections 4107 through 4113 is to establish minimum standards to locate, design and construct buildings and structures or portions thereof for the protection of life and property, to resist damage from wildfires, and to mitigate building and structure fires from spreading to wildland fuels. The minimum standards set forth in this chapter vary with the critical fire weather, slope and fuel type, to provide increased protection, above the requirements set forth in the International Building Code, from the various levels of hazards.

4107.3 Fire-Resistance-Rated Construction. Where this code requires 1-hour fire-resistance-rated construction, the fire resistance rating of building elements, components or assemblies shall be determined in accordance with the test procedures set forth in ASTM E 119 or UL 263.

Exceptions:
1. The fire-resistance rating of building elements, components or assemblies based on the prescriptive designs prescribed in Section 721 of the International Building Code.
2. The fire-resistance rating of building elements, components or assemblies based on the calculation procedures in accordance with Section 722 of the International Building Code.

4107.4 Setbacks to Undeveloped Natural Open Space. The minimum required setback from any portion of a structure, including appendages, to undeveloped natural open space shall not be less than 30 feet. Setback distances may be increased, depending upon topographical or other site-specific conditions, as determined by the code official.
4108 IGNITION-RESISTANT CONSTRUCTION AND MATERIAL

4108.1 General. Buildings and structures hereafter constructed, modified or relocated into or within wildland-urban interface areas shall meet site-specific construction requirements based on a determination by the code official. Class 1 (IR1), Class 2 (IR2), and Class 3 (IR3) ignition-resistant construction shall be in accordance with Sections 4109, 4110 and 4111 respectively. Materials required to be ignition-resistant materials shall comply with the requirements of Section 4108.2, the International Building Code, International Fire Code and Boise City Code.

4108.2 Ignition-Resistant Building Material. Ignition-resistant building materials shall comply with any one of the following:

1. Material shall be tested on all sides with the extended ASTM E 84 (UL 723) test or ASTM E 2768, except panel products shall be permitted to test only the front and back faces. Panel products shall be tested with a ripped or cut longitudinal gap of 1/8 inch (3.2 mm). Materials that, when tested in accordance with the test procedures set forth in ASTM E 84 or UL 723 for a test period of 30 minutes, or with ASTM E 2768, comply with the following:

   1.1. Flame spread. Material shall exhibit a flame spread index not exceeding 25 and shall not show evidence of progressive combustion following the extended 30-minute test.
   1.2. Flame front. Material shall exhibit a flame front that does not progress more than 10-1/2 feet (3200 mm) beyond the centerline of the burner at any time during the extended 30-minute test.
   1.3. Weathering. Ignition-resistant building materials shall maintain their performance in accordance with this section under conditions of use. Materials shall meet the performance requirements for weathering (including exposure to temperature, moisture and ultraviolet radiation) contained in the following standards, as applicable to the materials and the conditions of use:
      1.3.2. ASTM D 7032 for wood-plastic composite materials.
      1.3.3. ASTM D 6662 for plastic lumber materials.
   1.4. Identification. All materials shall bear identification showing the fire test results.

Exception: Materials comprised of a combustible core and a noncombustible exterior covering, comprised of either aluminum at a minimum 0.019 inch (0.48 mm) thickness or corrosion-resistant steel at a minimum 0.0149 inch (0.38 mm) thickness shall not be required to be tested with a ripped or cut longitudinal gap.

2. Noncombustible material. Material that meets the definition of noncombustible in Section 4104.
3. Fire-retardant-treated wood. Fire-retardant-treated wood identified for exterior use and meeting the requirements of Section 2303.2 of the International Building Code.

4. Fire-retardant-treated wood roof coverings. Roof assemblies containing fire-retardant-treated wood shingles and shakes that comply with the requirements of Section 1505.6 of the International Building Code and classified as Class A roof assemblies as required in Section 1505.2 of the International Building Code.

4109 CLASS 1 IGNITION-RESISTANT CONSTRUCTION (IR1)

4109.1 General. Class 1 ignition-resistant construction shall be in accordance with Sections 4109.2 through 4109.11.

4109.2 Roof Covering. Roofs shall have a roof assembly or roof covering, which shall comply with a Class A rating when tested in accordance with ASTM E 108 or UL 790. For roof coverings where the profile allows a space between the roof covering and roof decking, the space at the eave ends shall be fire-stopped to preclude entry of flames or embers, or have one layer of 72-pound mineral-surfaced, nonperforated cap sheet complying with ASTM D 3909 installed over the combustible decking.

Exceptions:
1. Class A roof assemblies include those with coverings of brick, masonry or an exposed concrete roof deck.
2. Class A roof assemblies also include ferrous or copper shingles or sheets, metal sheets and shingles, clay or concrete roof tile or slate installed on noncombustible decks or ferrous, copper or metal sheets installed without a roof deck on noncombustible framing.
3. Class A roof assemblies include minimum 16 oz/sq. ft. copper sheets installed over combustible decks.

4109.2.1 Roof Valleys. When provided, valley flashings shall be not less than 0.019 inch (No. 26 galvanized sheet gage) corrosion-resistant metal installed over a minimum 36-inch-wide underlayment consisting of one layer of 72-pound mineral-surfaced, nonperforated cap sheet complying with ASTM D 3909 running the full length of the valley.

4109.3 Protection of Eaves. Eaves and soffits shall be protected on the exposed underside by ignition-resistant materials in accordance with Section 4108.2 or by materials approved for not less than 1-hour fire resistance-rated construction, 2-inch nominal dimension lumber, or 1-inch nominal fire-retardant-treated lumber or 3/4-inch nominal fire-retardant-treated plywood, identified for exterior use and meeting the requirements of Section 2303.2 of the International Building Code. Fascia’s are required and shall be protected on the backside by ignition-resistant
materials in accordance with Section 4108.2 or by materials approved for not less than 1-hour fire-resistance-rated construction or 2-inch nominal dimension lumber.

4109.4 Gutters and Downspouts. Gutters and downspouts shall be constructed of noncombustible material. Gutters shall be provided with an approved means to prevent the accumulation of leaves and debris in the gutter.

4109.5 Exterior Walls. Exterior walls of buildings or structures shall be constructed with one of the following methods:

1. Materials approved for not less than 1-hour fire-resistance-rated construction on the exterior side
2. Approved noncombustible materials
3. Heavy timber or log wall construction
4. Fire-retardant-treated wood on the exterior side. The fire-retardant-treated wood shall be labeled for exterior use and meet the requirements of Section 2303.2 of the International Building Code
5. Ignition-resistant materials complying with Section 4108.2 on the exterior side.

Such material shall extend from the top of the foundation to the underside of the roof sheathing.

4109.6 Underfloor Enclosure. Buildings or structures shall have underfloor areas enclosed to the ground with exterior walls in accordance with Section 4109.5.

Exception: Complete enclosure shall not be required where the underside of exposed floors and exposed structural columns, beams and supporting walls are protected as required for exterior 1-hour fire-resistance-rated construction or heavy timber construction or fire-retardant-treated wood. The fire-retardant-treated wood shall be labeled for exterior use and meet the requirements of Section 2303.2 of the International Building Code.

4109.7 Appendages and Projections. Unenclosed accessory structures attached to buildings with habitable spaces and projections, such as decks, shall be not less than 1-hour fire resistance-rated construction or constructed of one of the following:

1. Approved noncombustible materials
2. Fire-retardant-treated wood identified for exterior use and meeting the requirements of Section 2303.2 of the International Building Code
3. Ignition-resistant building materials in accordance with Section 4108.2
4. Heavy timber construction with following minimum dimensions: 6 by 6-inches for columns, 4 by 8-inches for joists, 4 by 10-inches or 6 by 8-inches for beams and 3 by 4-inches for ledgers.
4109.7.1 Underfloor Areas. Where the attached structure is located and constructed so that the structure or any portion thereof projects over a descending slope surface greater than 10 percent, the area below the structure shall have underfloor areas enclosed to within 6 inches of the ground, with exterior wall construction in accordance with Section 4109.5.

4109.8 Exterior Glazing. Exterior windows, window walls and glazed doors, windows within exterior doors, and skylights shall be tempered glass, multilayered glazed panels, glass block or have a fire protection rating of not less than 20 minutes.

4109.9 Exterior Doors. Exterior doors shall be approved noncombustible construction, solid core wood not less than 1-3/4 inches thick or have a fire protection rating of not less than 20 minutes. Windows within doors and glazed doors shall be in accordance with Section 4109.8.

Exception: Vehicle access doors.

4109.10 Vents. Attic ventilation openings, foundation or underfloor vents, or other ventilation openings in vertical exterior walls and vents through roofs shall not exceed 144 square inches each. Such vents shall be covered with noncombustible corrosion-resistant mesh with openings not to exceed 1/8 inch or shall be designed and approved to prevent flame or ember penetration into the structure.

4109.10.1 Vent Locations. Attic ventilation openings shall not be located in soffits, in eave overhangs, between rafters at eaves, or in other overhang areas. Gable end and dormer vents shall be located at least 10 feet from lot lines. Underfloor ventilation openings shall be located as close to grade as practical.

Exception: Fire-rated vents designed to prevent flame or ember penetration into the structure may be allowed as approved by the fire code official.

4109.11 Detached Accessory Structures. Detached accessory structures, greater than 200 square feet in floor area, located less than 50 feet from a building containing habitable space shall have exterior walls constructed with materials approved for not less than 1-hour fire-resistance-rated construction, heavy timber, log wall construction, or constructed with approved noncombustible materials or fire-retardant-treated wood on the exterior side. The fire-retardant-treated wood shall be labeled for exterior use and meet the requirements of Section 2303.2 of the International Building Code.

4109.11.1 Underfloor Areas. Where the detached structure is located and constructed so that the structure or any portion thereof projects over a descending slope surface greater than 10 percent, the area below the structure shall have underfloor areas enclosed to
within 6 inches of the ground, with exterior wall construction in accordance with Section 4109.5 or underfloor protection in accordance with Section 4109.6.

Exception: The enclosure shall not be required where the underside of exposed floors and exposed structural columns, beams and supporting walls are protected as required for exterior 1-hour fire-resistance-rated construction or heavy-timber construction or fire-retardant-treated wood on the exterior side. The fire-retardant-treated wood shall be labeled for exterior use and meet the requirements of Section 2303.2 of the International Building Code.

4110 CLASS 2 IGNITION-RESISTANT CONSTRUCTION (IR2)

4110.1 General. Class 2 ignition-resistant construction shall be in accordance with Sections 4109.

Exceptions:
1. Protection of Eaves. Combustible eaves, fascia’s and soffits shall be enclosed with solid materials with a minimum thickness of 3/4 inch. Exposed rafter tails shall not be permitted unless constructed of heavy timber materials.
2. Appendages and Projections. Deck boards with a Class A or Class B flame spread rating are allowed.

4111 CLASS 3 IGNITION-RESISTANT CONSTRUCTION (IR3)

4111.1 General. Class 3 ignition-resistant construction shall be in accordance with Sections 4111.2 through 4111.5.

4111.2 Roof Covering. Roofs shall have at least a roof assembly that complies with a Class B rating when tested in accordance with ASTM E 108 or UL 790 or an approved noncombustible roof covering. For roof coverings where the profile allows a space between the roof covering and roof decking, the space at the eave ends shall be fire-stopped to preclude entry of flames or embers, or have one layer of 72-pound mineral-surfaced, nonperforated cap sheet complying with ASTM D 3909 installed over the combustible decking.

4111.2.1 Roof Valleys. Where provided, valley flashings shall be not less than 0.019-inch (No. 26 galvanized sheet gage) corrosion-resistant metal installed over a minimum 36-inch-wide underlayment consisting of one layer of 72-pound mineral-surfaced, nonperforated cap sheet complying with ASTM D 3909 running the full length of the valley.

4111.3 Underfloor Enclosure. Buildings or structures shall have underfloor areas enclosed to the ground with exterior walls.

Exception: Complete enclosure shall not be required where the underside of exposed floors and exposed structural columns, beams and supporting walls are protected as required for exterior 1-hour fire-resistance-rated construction, fire-retardant-treated wood, or heavy timber construction.
Fire-retardant-treated wood shall be labeled for exterior use and meet the requirements of Section 2303.2 of the International Building Code.

**4111.4 Gutters and Downspouts.** Gutters and downspouts shall be constructed of noncombustible material. Gutters shall be provided with an approved means to prevent the accumulation of leaves and debris in the gutter.

**4111.5 Exterior Glazing.** Exterior windows, window walls and glazed doors, windows within exterior doors, and skylights shall be tempered glass, multilayered glazed panels, glass block or have a fire protection rating of not less than 20 minutes.

Exception: This does not apply to exterior glazing features that are located 30 feet or greater from an adjacent dwelling or accessory structure in an IR3 area.

**4112 REPLACEMENT OR REPAIR OF ROOF COVERINGS**

**4112.1 General.** The roof covering on buildings or structures in existence prior to the adoption of this code that are replaced or have 50 percent or more replaced in a 12-month period shall be replaced with a roof covering required for new construction based on the type of ignition-resistant construction specified in accordance with Section 4108 through 4111.

**4113 REPLACEMENT OR REPAIR OF SIDING**

**4113.1 General.** The siding on buildings or structures in existence prior to the adoption of this code that are replaced or have 50 percent or more replaced in a 12-month period shall be replaced with siding required for new construction based on the type of ignition-resistant construction specified in accordance with Section 4108 through 4111.

**4114 GENERAL WILDFIRE PREVENTION AND MITIGATION REQUIREMENTS**

**4114.1 Scope.** The provisions of Sections 4114 through 4121 establish general requirements for new and existing buildings, structures and premises located within wildland-urban interface areas.

**4114.2 Objective.** The objective of Sections 4114 through 4121 is to establish minimum requirements to mitigate the risk to life and property from wildland fire exposures, exposures from adjacent structures and to mitigate structure fires from spreading to wildland fuels.

**4115 DEFENSIBLE SPACE**

**4115.1 General.** Defensible space shall comply with 4115.2 to 4115.3 and be maintained in accordance with Section 4116.

Exception: For existing structures, constructed prior to 2011, this provision applies only, if in the opinion of the fire code official, the situation constitutes a distinct hazard to life or property.
4115.2 **Objective.** Provisions of this section are intended to modify the fuel load in areas adjacent to structures to create a defensible space.

4115.3 **Fuel Modification.** Buildings or structures in designated wildland-urban interface (WUI) areas, shall comply with defensible space fuel modification distances as required by the code official. Fuel modification distance shall be at least 30 feet. Distances shall be measured on a horizontal plane from the perimeter or projection of the building or structure. Distances may be increased by the code official because of a site-specific analysis based on local conditions and the wildfire safety and mitigation plan.

Exception: Fuel modification from any portion of the structure, including appendages, to a lot line that adjoins a neighboring residential lot or development. The fuel modification in this area shall be to the lot line if the distance is less than 30 feet, and to a minimum of 30 feet if available.

4115.3.1 **Responsible Party.** Persons owning, leasing, controlling, operating or maintaining buildings or structures requiring defensible spaces are responsible for modifying or removing non-fire-resistant vegetation on the property owned, leased or controlled by said person.

4115.3.2 **Trees.** Trees are allowed within the defensible space, provided the horizontal distance between crowns of adjacent trees and crowns of trees and structures, overhead electrical facilities or unmodified fuel is not less than 10 feet.

4115.3.3 **Groundcover.** Deadwood and litter shall be regularly removed from trees. Where ornamental vegetative fuels or cultivated ground cover, such as green grass, ivy, succulents or similar plants are used as ground cover, they are allowed to be within the designated defensible space, provided they do not form a means of transmitting fire from the native growth to any structure.

4115.3.4 **Fuel-Free Area.** A fuel-free area of 5 feet is required around all structures. This area shall utilize and maintain only approved fire-resistant vegetation and mulches (e.g. rock mulch).

### 4116 MAINTENANCE OF DEFENSIBLE SPACE

4116.1 **General.** Defensible spaces required by Section 4115 shall be maintained in accordance with Section 4116.

Exception: For existing structures, constructed prior to 2011, this provision applies only, if in the opinion of the fire code official, the situation constitutes a distinct hazard to life or property.

4116.2 **Modified Area.** Non-fire-resistant vegetation or growth shall be kept clear of buildings or structures, in accordance with Section 4115, in such a manner as to provide a clear area for fire suppression operations.
4116.3 Responsibility. Persons owning, leasing, controlling, operating or maintaining buildings or structures are responsible for maintenance of defensible spaces. Maintenance of the defensible space shall include modifying or removing non-fire-resistive vegetation and keeping leaves, needles and other dead vegetative material regularly removed from roofs of buildings and structures.

4116.4 Trees. Tree crowns extending to within 10 feet of any structure shall be pruned to maintain a minimum horizontal clearance of 10 feet. Tree crowns within the defensible space shall be pruned to remove limbs located less than 6 feet above the ground surface adjacent to the trees.

4116.4.1 Chimney Clearance. Portions of tree crowns that extend to within 10 feet of the outlet of a chimney shall be pruned to maintain a minimum horizontal clearance of 10 feet.

4116.4.2 Deadwood Removed. Deadwood and litter shall be regularly removed from trees.

4116.5 Water Supply. Defensible space shall be provided around water tank structures, water supply pumps and pump houses in accordance with Section 4115.

4117 SPARK ARRESTERS

4117.1 General. Chimneys serving fireplaces, barbecues, incinerators or decorative heating appliances in which solid or liquid fuel is used, shall be provided with a spark arrester. Spark arresters shall be constructed of woven or welded wire screening of 12 USA standard gage wire (0.1046 inch) having openings not exceeding 1/2 inch.

4117.2 Net Free Area. The net free area of the spark arrester shall not be less than four times the net free area of the outlet of the chimney.

4118 STORAGE OF FIREWOOD AND COMBUSTIBLE MATERIALS

4118.1 General. Firewood and combustible material shall not be stored in unenclosed spaces beneath buildings or structures, or on decks or under eaves, canopies or other projections or overhangs. When required by the code official, unenclosed storage of firewood and combustible material in the defensible space shall be located a minimum of 20 feet from structures and separated from the crown of trees by a minimum horizontal distance of 15 feet.

4118.2 Storage for Off-Site Use. Firewood and combustible materials not for consumption on the premises shall be stored so as to not pose a hazard.

4119 VEGETATION CONTROL

4119.1 General. Vegetation control shall comply with Sections 4119.2 through 4119.4.
4119.2 Clearance of Brush or Vegetative Growth from Roadways. The code official is authorized to require areas within 10 feet on each side of portions of fire apparatus access roads and driveways to be cleared of non-fire-resistive vegetation growth.

Exception: Single specimens of trees, ornamental vegetative fuels or cultivated ground cover, such as green grass, ivy, succulents or similar plants used as ground cover, provided they do not form a means of readily transmitting fire.

4119.2.1 Erosion Control. Vegetation should be trimmed to not less than 6” in height on sloped terrain to maintain slope stability for erosion control.

4119.3 Clearance of Brush and Vegetative Growth from Electrical Transmission and Distribution Lines. Clearance of brush and vegetative growth from electrical transmission and distribution lines shall be in accordance with Sections 4119.3.1 through 4119.3.2.1.

Exception: Sections 4119.3.1 through 4119.3.2.1 do not authorize persons not having legal right of entry to enter on or damage the property of others without consent of the owner.

4119.3.1 Support Clearance. Persons owning, controlling, operating or maintaining electrical transmission or distribution lines shall have the following programs in place:
  1. A vegetation management program in accordance with the National Electrical Safety Code ("NESC").
  2. A transmission and distribution line inspection program in accordance with the NESC.

Exception: Lines used exclusively as telephone, telegraph, messenger call, alarm transmission or other lines classed as communication circuits by a public utility.

4119.3.2 Electrical Distribution and Transmission Line Clearances. Clearances between vegetation and electrical lines shall be in accordance with the provisions of the NESC.

4119.3.2.1 Electrical Power Line Emergencies. During emergencies, the utility shall perform the required work to the extent necessary to clear the hazard. An emergency can include situations such as trees falling into power lines, or trees in violation of clearance requirements in accordance with the NESC.

4119.4 Correction of Condition. The code official is authorized to give notice to the owner of the property of which conditions regulated by Section 4119 exist to correct such conditions. If the owner fails to correct such conditions, the legislative body of the jurisdiction is authorized to cause the same to be done and make the expense of such correction a lien on the property where such condition exists.

4120 ACCESS RESTRICTIONS
4120.1 Restricted Entry. The code official is authorized to determine and publicly announce when wildland-urban interface areas shall be closed to entry and when such areas shall again be opened to entry. Entry on and occupation of wildland-urban interface areas, except public roadways, inhabited areas or established trails and campsites that have not been closed during such time when the wildland-urban interface area is closed to entry, is prohibited.

Exceptions:
1. Residents and owners of private property within wildland-urban interface areas and their invitees and guests going to or being on their lands.
2. Entry, in the course of duty, by peace or police officers, and other duly authorized public officers, members of a fire department and members of the Wildland Firefighting Service.

4121 IGNITION SOURCE CONTROL

4121.1 General. Ignition sources shall be controlled in accordance with Sections 4121.2 through 4121.8.

4121.2 Objective. Regulations in this section are intended to provide the minimum requirements to prevent the occurrence of wildfires.

4121.3 Clearance from Ignition Sources. Clearance between ignition sources and grass, brush or other combustible materials shall be maintained at not less than 30 feet.

4121.4 Smoking. Where required by the code official, signs shall be posted stating NO SMOKING. Persons shall not smoke within 15 feet of combustible materials or non-fire-resistive vegetation.

Exception: Places of habitation or in the boundaries of established smoking areas or campsites as designated by the code official.

4121.5 Equipment and Devices Generating Heat, Sparks or Open Flames. Equipment and devices generating heat, sparks or open flames capable of igniting nearby combustibles shall not be used in wildland-urban interface areas without approval by the fire code official.

Exception: Use of approved equipment within inhabited premises or designated campsites that are not less than 30 feet from grass-, grain-, brush- or forest-covered areas.

4121.6 Fireworks. All fireworks, including non-aerial common fireworks, shall not be used or possessed in an IR1 wildland-urban interface area per Section 4105.2. A reduction of any requirements for a lot in an IR1 area does not constitute a change for the purposes of this section.
Exception: Fireworks allowed by the code official, under permit, in accordance with the International Fire Code where not prohibited by applicable local or state laws, ordinances and regulations.

4121.6.1 Authority to Seize. The code official is authorized to seize, take, remove or cause to be removed fireworks in violation of this section.

4121.7 Outdoor Fires. Outdoor fires in wildland-urban interface areas shall comply with this section, the International Fire Code and Boise City Code.

4121.7.1 General. Persons shall not build, ignite or maintain any outdoor fire of any kind for any purpose, in an IR1 wildland-urban interface area, except by the authority of a written permit from the code official.

Exceptions:
1. Outdoor fires within inhabited premises or designated campsites where such fires are in an outdoor fireplace, incinerator or grill and are not less than 30 feet from any combustible material or non-fire-resistant vegetation; and which have openings protected with an approved spark arrestor, screen or door, unless otherwise approved by the code official.
2. Propane-fired portable outdoor fireplaces within inhabited premises and are not less than 15 feet from any combustible material or non-fire-resistant vegetation.

4121.8 Incinerators, Outdoor Fireplaces, Permanent Barbecues and Grills. Incinerators, outdoor fireplaces, permanent barbecues and grills shall not be built, installed or maintained in wildland-urban interface areas without approval of the code official.

4121.8.1 Maintenance. Incinerators, outdoor fireplaces, permanent barbecues and grills shall be maintained in good repair and in a safe condition at all times. Openings in such appliances shall be provided with an approved spark arrestor, screen or door.

Exception: Where approved by the code official, unprotected openings in barbecues and grills necessary for proper functioning.

5-12-47: IFC Amendment, Section 5601.1.3, Fireworks

5601.1.3 Fireworks. Amend Exception 4 to read as follows: 4. Sales and use of consumer fireworks in accordance with Section 5609.

5-12-48 IFC Amendment, Section 5609, Fireworks Sales and Use

Section 5609 Fireworks Sales and Use. Amend Section 5609 to read as follows:
5609.1 General. Retail sales and use of nonaerial common and dangerous fireworks shall be in accordance with this section.

5609.2 Definitions.

NONAERIAL COMMON FIREWORKS. Any fireworks such as ground spinners, fountains, sparklers, smoke devices or snakes designed to remain on or near the ground and not travel outside a fifteen (15) foot diameter circle, or emit sparks or other burning material which land outside a twenty (20) foot diameter circle or above a height of twenty (20) feet.

Exception: The term “fireworks” shall not include any blank cartridge, automotive safety flares, toy guns or toy cannons, caps, or other items designed for use with toy guns or cannons, party poppers, pop-its, party favors, or other device which contains twenty-five hundredths (.25) of a grain or less of explosive substance.

DANGEROUS FIREWORKS. Fireworks meeting the following criteria are to be considered “dangerous fireworks”:

1. Fireworks containing explosive material that will burn or deflagrate when ignited. Examples include, but are not limited to, firecrackers, cherry bombs, M-80s
2. Fireworks that leave the ground of their own accord or fly when tossed into the air. Examples include, but are not limited to, skyrockets, bottle rockets, mortar shells, Roman candles
3. Fireworks designed for ground or near ground use that travel outside of a fifteen (15) foot diameter circle
4. Fireworks designed for ground or near ground use that, as a means of propulsion, emit showers or sparks longer than twelve (12) inches
5. Fireworks designed for use from a stationary position that emit sparks, showers, or flaming balls, vertically more than twenty (20) feet, or which discharge material beyond a twenty (20) foot in diameter area.

5609.3 Dangerous Fireworks Prohibition and Permit. It shall be unlawful for any person in the City to import, export, offer for sale, sell, possess, use, keep, or store or permit the keeping or storing of any "dangerous fireworks" for any use or purpose.

Exception: A person holding a Public Fireworks Display Permit issued pursuant to the terms and conditions of Section 5608 may use "dangerous fireworks" for a safely supervised and conducted public display of fireworks.

5609.4 Non-Aerial Common Fireworks Permit. No person, without having a valid Non-Aerial Common Fireworks Permit issued pursuant to terms and conditions set forth in this chapter shall import, export, possess for the purpose of sale, offer for sale, or sell non-aerial common fireworks for any use or purpose.
5609.5 Application for Non-Aerial Common Fireworks Permit. Any person desiring to engage in the sale of non-aerial common fireworks within the City shall first make written application to the City Clerk for a Non-Aerial Common Fireworks Permit prior to May 15. Each applicant shall pay a fee to the City Clerk at the time the application is filed in accordance with the adopted fee schedule. All permits are required to be posted in the temporary fireworks stand at all times.

5609.5.1 Winter Sales Period. Holders of a non-aerial common fireworks permit intending to sell fireworks during the winter sales period shall notify the City Clerk no later than December 15.

5609.6 Insurance Required. Each applicant for a non-aerial common fireworks permit, shall have filed with the City Clerk prior to the issuance and validity of any permit, a policy, or certified true copy thereof, of public liability and products liability insurance, including both "accident" and "occurrence" coverage. The insurance coverage limits for both public liability coverage and for products liability coverage shall be at least one hundred thousand dollars ($100,000.00) per occurrence aggregate bodily, and one hundred thousand dollars ($100,000.00) per occurrence aggregate property damage, or personal injury.

5609.7 Authorized Dates for Sale and Use of Fireworks. Non-aerial common fireworks may be sold at retail and used beginning at 11:59 p.m. on June 22 to 11:59 p.m. on July 5 and beginning at 11:59 p.m. on December 25 to 11:59 p.m. on January 1.

5609.8 Temporary Fireworks Stands. Temporary fireworks stands from which non-aerial common fireworks are to be sold shall be subject to the following provisions:

1. All retail sales of non-aerial common fireworks shall be permitted only from within a temporary fireworks stand or a tent, and the sale from any other building or structure is hereby prohibited.
2. The stand in which the fireworks will be stored or sold shall not be located within twenty-five feet (25') of any other building nor within one hundred feet (100') of any gasoline station or flammable liquid dispensing device or installation.
3. All such stands shall meet the requirements of the Building and Electrical Code of the City.
4. The stand shall have exit doors at least thirty inches (30") wide at both ends of the structure and one (1) additional door for each thirty-two feet (32') of rear wall in excess of thirty-two feet (32'). All doors shall open outward from the stand and all doorways shall be kept free and clear from all supplies and materials at all times.
5. Each stand shall have at least two (2) fire extinguishers with a 2A minimum rating installed within the stand. Such extinguishers shall be in good working order and have a current inspection tag.
6. During business hours, each and every stand shall be staffed by at least one person who is twenty-one (21) years of age or older.
7. No person under the age of sixteen (16) shall be allowed in the non-public areas of a temporary fireworks stand.
8. No operator shall sell fireworks to any person who is under the age of sixteen (16) years unless such person is accompanied by a parent or legal guardian. The burden of verifying the age of purchasers of fireworks shall be borne by the operator.

9. No person shall be permitted to sleep inside any stand when it is not open for business.

10. At least one (1) sign reading, “FIREWORKS - NO SMOKING WITHIN 25 FEET” in letters at least four inches (4”) high on a contrasting background shall be posted on every exterior wall on the outside of the stand.

11. At least one (1) sign reading, “FIREWORKS – NO SMOKING WITHIN 25 FEET” in letters at least two inches (2”) high on a contrasting background shall be posted on every interior wall of the stand.

12. No heating device or open flame may be used in a temporary fireworks stand at any time.

13. During the summer selling period, no temporary stand shall be erected before June 15. The premises on which the stand is erected shall be cleared of all structures and debris not later than July 12. For the winter selling period, no temporary stand shall be erected before December 15. The premises on which the stand is erected shall be cleared of all structures and debris not later than January 8.

14. No fireworks shall be discharged in or within twenty-five feet (25’) of any fireworks stand. At least one sign reading, “NO FIREWORKS TO BE DISCHARGED WITHIN 25 FEET” in letters at least four inches (4”) high on a contrasting background shall be prominently displayed on each exterior wall.

15. No person shall allow any rubbish to accumulate in or around any fireworks stand. Only non-combustible waste containers shall be permitted within the stand.

16. Fireworks shall not be left in the stand when it is not open for business unless the storage within the stand is in compliance with Section 5609.9.

17. No stand shall have a floor area in excess of six hundred (600) square feet.

18. No dry vegetation, Christmas trees, or any other combustible material may be stored, displayed, sold, or otherwise kept within twenty-five (25) feet of a fireworks stand.

19. Notice as provided by the authority having jurisdiction cautioning each person purchasing fireworks of the prohibitions, liabilities and penalties incorporated in this section shall be posted inside the fireworks stand.

20. Only one (1) temporary fireworks stand shall be allowed per location.

21. One (1) caretaker unit may be allowed per sales location and shall be used only for security of an operation. Such caretaker unit shall be located a minimum of twenty-five (25’) feet from any temporary fireworks stand or short-term storage container.

22. Generators or other internal combustion power sources and/or their fuel shall not be located within twenty-five feet (25’) of any temporary fireworks stand.

23. Vehicles shall not be parked within twenty-five feet (25’) of the exterior walls/sides of any temporary fireworks stand.

5609.9 Short-Term Storage. Short-term storage facilities for non-aerial common fireworks shall be subject to the following provisions:

1. Only one (1) short-term storage container in addition to the temporary fireworks stand shall be allowed per location.
2. Short-term storage facilities shall be a minimum of twenty-five (25) feet from any other structure.
3. Short-term storage containers used during the summer sales period shall not be placed at the sales location before June 15 and shall be removed from the location no later than July 12. Short-term storage containers used during the winter sales period shall not be placed at the sales location before December 15 and shall be removed from the location no later than January 8.
4. Short-term storage containers shall not be placed on a public or private sidewalk.
5. Where a temporary fireworks stand is used as a short-term storage facility, and such stand is constructed with soft material sides, it shall be secured and monitored by a person who shall remain awake, alert, and on-site at all times.
6. The Fire Department shall be notified of the address or location of all short-term storage facilities. If the short-term storage facility is not within the boundaries of Boise City, then the permittee shall notify the authority having jurisdiction where the storage is to take place.
7. Short-term storage is allowed in any of the following, provided it is locked or otherwise secured: a temporary fireworks stand, truck, trailer, or other vehicle.
8. Short-term storage may occur in a locked or secured shipping container, shed, garage, barn or other building which is detached from an inhabited building and contains no open flames, including heating and lighting sources.

5609.10 General Prohibitions. It shall be unlawful for any person, except in compliance with this chapter to:

1. Alter any fireworks.
2. Throw any fireworks from, into or at a moving vehicle, or at any person, or into or at any structure.
3. Sell, store, possess, discharge, or use any fireworks at any time not permitted under this section.
4. Use fireworks in any area that constitutes a severe fire threat based on the vegetative or other conditions during the current fire season as determined by the Fire Chief, provided that notice of such areas is given in advance.

5609.11 Liability with Parents or Guardians. The parents, guardian or other persons having custody or control of minor shall be liable for damage caused by the use of fireworks by the minor.

5609.12 Compliance with Applicable Law. It shall be the duty of every person issued a permit to comply with all applicable provisions of the Idaho State Fireworks Act and the Boise City Code, including this chapter. A conviction or violation of the aforesaid Idaho State Fireworks Act or any of the provisions of this Chapter by the permittee, or by any of its agents, employees, or officers shall constitute a cause, in and of itself, to deny any subsequent application for a permit.

5609.13 Violations and Penalty.

1. It shall be unlawful for any person, firm or corporation to violate any of the provisions of this Section, and any violation thereof shall constitute an infraction and shall be punishable by a fine of one hundred dollars ($100.00) excluding court costs and fees. An infraction is a civil public offense,
not constituting a crime, which is punishable only by a penalty not exceeding one hundred dollars ($100) and for which no period of incarceration may be imposed. There is no right to a trial by jury of a citation or complaint for an infraction and such trials shall be held before the court without a jury. A separate offense shall be deemed committed on each day during or which a violation occurs or continues.

2. A second and any subsequent conviction of any violation of any of the provisions of this Section within five years shall constitute a misdemeanor, punishable by a fine of not more than three hundred dollars ($300.00) or by imprisonment for not more than thirty (30) days, or by both such fine and imprisonment.

3. Fireworks being used in violation of this chapter shall be confiscated by law enforcement or by the Boise Fire Department.

5-12-49: IFC Amendment, Chapter 80, Referenced Standards

Chapter 80 Referenced Standards. Add the following referenced standards:

2. Referenced standards shall also include the Institute of Electrical and Electronics Engineers, Incorporated (IEEE) – 2017 National Electrical Safety Code (2017 NESC).

5-12-50: IFC Amendment, Adopt Appendix, B Fire-Flow Requirements for Buildings

5-12-51: IFC Amendment, Adopt Appendix C, Fire Hydrant Locations and Distribution

5-12-52: IFC Amendment, Adopt Appendix D, Fire Apparatus Access Roads

5-12-53: IFC Amendment, Amend Section D103.2, Grade

D103.2 Grade. Add sentence at the end as follows: Nor shall access roadways exceed a 2 percent grade (2%) for the first 80 feet at the grade transition. Turnarounds shall not exceed 2 percent grade (2%).

5-12-54: IFC Amendment, Amend Section D103.5, Fire Apparatus Access Road Gates

D103.5 Fire Apparatus Access Road Gates.

Amend item 5 as follows: 5. Electric gates shall be equipped with an automatic opening mechanism activated by the Opticom system currently in use by the fire department and a Knox key switch. A stand-alone Knox key switch may be used in place of an Opticom system when approved by the Fire Code Official.

Add item 9 as follows: 9. Electric gates shall be of a fail-open version in the event of loss of power.
5-12-55: IFC Amendment, D107.1, One- or Two-Family Dwelling Residential Developments

D107.1 One- or Two-Family Dwelling Residential Developments. Amend Exception 1 to read as follows: 1. Where there are less than 60 dwelling units on a single public or private fire apparatus access road and all dwelling units are equipped throughout with an approved automatic sprinkler system in accordance with Section 903.3.1.1, 903.3.1.2 or 903.3.1.3 of the International Fire Code, access from two directions shall not be required.

5-12-56: IFC Amendment, Adopt Appendix F, Hazard Ranking

5-12-57: IFC Amendment, Adopt Appendix L, Hazard Ranking

5-12-58: IFC Amendment, Appendix L, L101.1 Scope

L101.1 Scope. Amend the first sentence to read as follows: When provided, firefighter air replenishment systems (FARS) shall comply with the provisions of this appendix.
### 2018 International Energy Conservation Code (IECC) Summary of Changes

<p>| Significant Changes Between the Commercial Provisions of the 2015 IECC and 2018 IECC |
|-----------------------------------|----------------|----------------|
| <strong>Topic</strong>                         | <strong>2015 IECC</strong> | <strong>2018 IECC</strong> |
| Scope (e.g. references and definitions) | References ASHRAE 90.1-2013 | References ASHRAE 90.1-2016 |
| ASHRAE Reference (Chapter 6)      |                 |                 |
| Definitions (Chapter 2)           | Added some more Definitions such as Access, Air Barrier, Group R (Occupancy), Isolation Devices, Luminaire-Level Lighting Controls, Ready Access. |
| Language change                   | “Capable of”   | “Capable of and configured to” or “Configured to”. Note applies to HVAC and lighting control requirements. |
| Language change                   | Vertical glazing (daylighting) | Vertical glazing refers to “Sidelit Zones” |
| Language change                   | Skylights (daylighting) | Skylights refer to “Toplit Zones” |
| Climate Zones                     | N/A             | Climate zones were updated per ASHRAE (doesn’t affect Idaho) |
| <strong>Building Envelope</strong>             |                 |                 |
| Slab-on-grade insulation (Table C402.1.3) | Requires slab edge insulation in Climate Zones 5/6 for heated slabs | Requires R-15 slab edge insulation and R-5 under slab insulation in Climate Zones 5 and 6 for heated slabs |
| SHGC                              | Climate Zone 5  | Climate Zone 5  |
| PF &lt; 0.2                          | SEW             | SEW             |
| 0.2 ≤ PF &lt; 0.5                    | 0.40            | 0.38            |
| ≥ 0.5                             | 0.48            | 0.46            |
|                                   | 0.64            | 0.61            |
| Skylight area (Section C402.4.1.2)| Maximum 5% with automatic daylighting controls | Maximum 6% with automatic daylighting controls |
| Rooms containing fuel-burning appliances with combustion air openings (Section C402.5.3) | To be isolated/insulated with thermal envelope from the conditioned space, gasketed door |
| Maximum air leakage for fenestration assemblies Power-operated sliding and folding Doors (Table C402.5.2) | None | 1.0 CFM |
| <strong>Mechanical Systems</strong>            |                 |                 |
| Section reorganization            | None            | Reorganized Mechanical Chapter based on topics e.g. C403.1: General (Loads) C403.2: System Design C403.3: Equipment Efficiencies &amp; Specs C403.4: HVAC System Controls, etc. |</p>
<table>
<thead>
<tr>
<th>HVAC Equipment Efficiency Requirements (Section C403.3.2 and Multiple Tables)</th>
<th>None</th>
<th>Updated a portion of the HVAC equipment efficiency tables based on updated ASHRAE 90.1-2016 equipment efficiency requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vestibule space conditioning (Section C403.4.1.4)</td>
<td>No requirement</td>
<td>Heating systems for vestibules required to shut off when outdoor air temperature is &gt; 45°F Heating systems configured-limit heating &lt; 60°F Cooling systems configured-limit cooling &gt; 85°F</td>
</tr>
<tr>
<td>Hydronic system part load controls (Section C403.4.4)</td>
<td>Systems ≥ 500,000 Btu/h heating must include part load controls</td>
<td>Systems ≥ 300,000 Btu/h heating must include part load controls</td>
</tr>
<tr>
<td>Economizers serving dwelling units (Section C403.5)</td>
<td>Systems that serve residential spaces where the system capacity is less than five times the requirement listed in Table C403.3(1).</td>
<td>Individual fan systems with cooling capacity greater than or equal to 270,000 Btu/h (79.1 kW) in buildings having a Group R occupancy. The total supply capacity of all fan cooling units not provided with economizers shall not exceed 20 percent of the total supply capacity of all fan cooling units in the building or 1,500,000 Btu/h (440 kW), whichever is greater.</td>
</tr>
</tbody>
</table>
| Automatic control of HVAC systems serving guest rooms (Section C403.7.6) | No requirements | In Group R-1 buildings with > 50 guestrooms, each guestroom will be provided with controls that:  
- Automatically raise cooling setpoint and lower heating setpoint by not less than 4°F from occupant setpoint within 30 minutes after occupants leave (vacant)  
- Automatically raise cooling setpoint to not lower than 80°F and lower heating setpoint to not higher than 60°F when guestroom is unrented and is unoccupied more than 30 minutes (unrented).  
- Automatically turn off ventilation and exhaust fans within 30 minutes of occupants leaving OR  
- Isolation devices provided to each guestroom capable of automatically shutting off supply of outdoor air to and exhaust air from guestroom |
| Commissioning Compliance Checklist (Section C408.2.4) | None | Commissioning Compliance Checklist now required with Preliminary Commissioning Report |
### Lighting Systems

<table>
<thead>
<tr>
<th>Description</th>
<th>Before</th>
<th>After</th>
<th>Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Interior Lighting Power Allowance (Section C405.3.2)</td>
<td>No Change</td>
<td>Approximately 10% reduction from 2015 IECC levels</td>
<td></td>
</tr>
<tr>
<td>Additional Retail Light Power (Section C405.3.2.2.1)</td>
<td>500 Watts +</td>
<td>1,000 Watts +</td>
<td></td>
</tr>
<tr>
<td>Retail Type</td>
<td>LPD</td>
<td>Retail Type</td>
<td>LPD</td>
</tr>
<tr>
<td>1</td>
<td>0.6</td>
<td>1</td>
<td>0.45</td>
</tr>
<tr>
<td>2</td>
<td>0.6</td>
<td>2</td>
<td>0.45</td>
</tr>
<tr>
<td>3</td>
<td>1.4</td>
<td>3</td>
<td>1.05</td>
</tr>
<tr>
<td>4</td>
<td>2.5</td>
<td>4</td>
<td>1.87</td>
</tr>
<tr>
<td>Luminaire Level Lighting Controls (LLLC) (Section C405.2)</td>
<td>N/A</td>
<td>Adds option of Luminaire Level Lighting Controls (LLLC) for lighting controls.</td>
<td></td>
</tr>
<tr>
<td>Occupancy sensor controls (Section C405.2.1)</td>
<td>Required spaces where lights are typically left on after the occupant leaves.</td>
<td>Adds breakrooms, enclosed offices, open plan offices and warehouse storage areas to the list of rooms requiring occupant sensor controls.</td>
<td></td>
</tr>
<tr>
<td>Occupancy sensor controls for open office plans (Section C405.2.1.3)</td>
<td>No requirement</td>
<td>Requires open plan office spaces to control general lighting in zones no greater than 600 square feet. General lighting in each zone required to be reduced by at least 80% after occupant leaves. Daylighting controls can only activate light after occupant is in the space.</td>
<td></td>
</tr>
<tr>
<td>Exterior Lighting Power Allowance (Section C405.4.2)</td>
<td>No Change</td>
<td>Overall reduction in lighting due to LED base lighting assumptions</td>
<td></td>
</tr>
</tbody>
</table>

### Options Packages

<table>
<thead>
<tr>
<th>Description</th>
<th>Included 6 options to select from</th>
<th>Adds two more options:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Additional efficiency option packages (Sections C406.8 and C406.9)</td>
<td></td>
<td>Enhanced envelope performance</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Reduce UA by 15% from prescriptive requirements</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Reduced air infiltration</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• 3rd party whole building pressurization testing</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Not to exceed 0.25 cfm / ft²</td>
</tr>
</tbody>
</table>

### Significant Changes of the Residential Provisions of the 2018 IECC

#### Chapter 2 Definitions

- Added new definition of “Air Impermeable Insulation” and “Opaque Door”.
- Slightly revised a few other definitions for further clarification.
Chapter 4 Residential Energy Efficiency

- Section R401.3 – Changed permanent certificate shall be completed by “builder or design professional” to “builder or other approved party”.

- Section R402.1 – Added exception to prescriptive thermal envelope provisions for log homes designed to ICC 400 Standard (Standard on the Design and Construction of Log Structures).

- Table R402.1.2 Insulation and Fenestration Table (Prescriptive) – State Amendment Changes, City Code vs. State Code

- Section 402.2.2 Ceilings without attic spaces – Added language “Insulation shall extend over the top of the wall plate to the outer edge of such plate and shall not be compressed”.

- Table R402.4.1.1 Air Barrier and Insulation Installation Table – Clarified language on recessed lighting from “drywall” to “finished surface”; clarified language on tubs and showers from “them” to “the wall”; added HVAC register boots to be sealed to the subfloor, wall covering or ceiling.

- Section 402.4.1.2 Testing (building/air leakage) – Added Resnet/ICC 380, ASTM E779 or ASTM E1827 to test in accordance with.

- Section R403.3.3 Duct testing – Added exception to not require testing on heat or energy recovery ventilators (HRV or ERV) that are not integrated ducts serving the HVAC system.

- Section R403.3.6 Ducts buried within ceiling insulation – New section with criteria.

- Section R403.3.7 Ducts located in conditioned space – New section with criteria.

- Section R403.6.1 Whole house mechanical ventilation system fan efficacy – Fan efficacy requirements and clarification on when an electrically commutated motor (ECM) is required.

- R403.10.3 Pool Covers – Exception from cover requirement changed from “70%” to “75%” of energy for heating over 3 months is from a heat pump or on-site renewables.

- Section R404.1 Lighting Equipment – State amendment.

- Section R406.3 Energy Rating Index (ERI) method – Added reference to be in accordance with Resnet/ICC 301 Standard, energy to charge electric vehicles not on site are not to be included in ERI design, ERI score – City Code vs. State Code.

Chapter 5 Existing Buildings

Sections R502.1.1.2 and R503.1.2 – Adds clarifying language for new heating and cooling systems in additions and alterations to comply with section R403.
Section R503.1.1.1 Replacement fenestration (windows) – Adds new language that allows for area-weighted average as an alternate for showing compliance.

- Added new exception for air leakage testing on commercial buildings over 50,000 sq. ft., can be done on less than the whole building with area weighted calculation but with specified portions of building required to be tested.

- Air leakage for Idaho is 5 air changes per hour vs. 3 ACH for national code.
- Blower door test required on 20% of homes built by a contractor (this requirement is a reduction and has an implementation schedule of an additional 6 months after code adoption for soft implementation for education period for contractors).
- Reduction of requirements in hot water pipe insulation.
- Lighting requires a minimum of 75% of permanently installed fixtures must have high-efficacy lamps.
- Energy Rating Index (ERI) (compliance alternative) required score is 68 or less in Climate Zones 5 & 6 (relaxed to a figure currently being met in Idaho).
Energy Conservation Code (Draft 7/14/20)

Sections

- 9-9-1: Purpose
- 9-9-2: Code Adopted
- 9-9-3: **IECC** Energy Code Amendment, Section C101.1, Title
- 9-9-4: **IECC** Energy Code Amendment, Add Section C101.5.2, Industrial, Electronic, And Manufacturing Equipment
- 9-9-5: **IECC** Energy Code Amendment, Section C1014.2, Schedule Of Permit Fees
- 9-9-6: **IECC** Energy Code Amendment, Section C104.5, Refunds
- 9-9-67: **IECC** Energy Code Amendment, Section C108, Stop Work Order
- 9-9-78: **IECC** Energy Code Amendment, Section C109, Board Of Appeals, Appeal Process
- 9-9-89: **IECC** Energy Code Amendment, Add Section C110, Violations
- 9-9-910: **IECC** Energy Code Amendment, Section C201.3, Terms Defined In Other Codes
- 9-9-1011: **IECC** Energy Code Amendment, Section C202, General Definitions, Code Official
- 9-9-12: **IECC** Energy Code Amendment, Section C402.5, Air Leakage-Thermal Envelope (Mandatory), Add Exception
- 9-9-1113: **IECC** Energy Code Amendment, Section C403.35, Economizers (Prescriptive), Add Exception 107
- 9-9-14: **IECC** Energy Code Amendment, Table C404.5.1, Piping Volume And Maximum Piping Lengths
- 9-9-1215: **IECC** Energy Code Amendment, Section R101.1, Title
- 9-9-1316: **IECC** Energy Code Amendment, Section R107 R104.2, Schedule Of Permit Fees
- 9-9-17: **IECC** Energy Code Amendment, Section R104.5, Refunds
- 9-9-1418: **IECC** Energy Code Amendment, Section R108, Stop Work Order
- 9-9-1519: **IECC** Energy Code Amendment, Section R109, Board Of Appeals Process
- 9-9-1620: **IECC** Energy Code Amendment, Add Section R110, Violations
- 9-9-1721: **IECC** Energy Code Amendment, Section R201.3, Terms Defined In Other Codes
- 9-9-23: **IECC** Energy Code Amendment, Table R402.1.2, Insulation And Fenestration Requirements By Component
9-9-1924: Iecc IECC Energy Code Amendment, Table R402.1.2, Insulation And Fenestration Requirements By Component, Add Footnotes J And K
9-9-25: IECC Energy Code Amendment, Table R402.1.4, Equivalent U-Factors
9-9-20: Iecc Energy Code Amendment, Table R402.4.1.1, Air Barrier And Insulation Installation
9-9-2126: Iecc IECC Energy Code Amendment, Section R402.4.1.2, Testing
9-9-2227: Iecc IECC Energy Code Amendment, Add Section R402.6, Residential Log Home Thermal Envelope
9-9-2328: Iecc IECC Energy Code Amendment, Add Table R402.6, Log Home Prescriptive Thermal Envelope Requirements By Component
9-9-24: Iecc Energy Code Amendment, Section R403.3.3, Duct Testing (mandatory)
9-9-29: IECC Energy Code Amendment, Section R403.5.3, Hot Water Pipe Insulation (Prescriptive)
9-9-30: IECC Energy Code Amendment, Section R404.1, Lighting Equipment (Mandatory)
9-9-2531: Iecc IECC Energy Code Amendment, Section R406.3, Energy Rating Index
9-9-26: Iecc Energy Code Amendment, Delete Section R406.3.1, Eri Reference Design
9-9-2732: Iecc IECC Energy Code Amendment, Table R406.4, Maximum Energy Rating Index
9-9-28: Iecc Energy Code Amendment, Section R406.5, Verification By Approved Agency
9-9-29: Iecc Energy Code Amendment, Section R406.6, Documentation
9-9-30: Iecc Energy Code Amendment, Section R406.6.1, Compliance Software Tools
9-9-31: Iecc Energy Code Amendment, Add Section R406.6.4, Specific Approval
9-9-32: Iecc Energy Code Amendment, Add Section R406.6.5, Input Values
9-9-33: Iecc Energy Code Amendment, Delete Section R406.7, Calculation Software Tools, Including Subsections R406.7.1, Minimum Capabilities, R406.7.2, Specific Approval And R406.7.3, Input Values
9-9-34: Iecc Energy Code Amendment, Chapter 6 Referenced Standards

9-9-1: Purpose

The purpose of this chapter is to establish minimum regulations for energy-efficient buildings using prescriptive, and performance-based, or energy rating index compliance alternative provisions. The provisions of this code shall regulate the design and construction of building envelopes for adequate thermal resistance and low air leakage, including the design and selection of mechanical systems, service water-heating systems, pools and spas, electrical equipment, power, and lighting systems in order to enhance the efficient use and conservation of energy in new and existing building construction. (Ord. 43-17, 12-19-2017, eff. 1-1-2018)
9-9-2: Code Adopted

All the rules, regulations, and ordinances relating and applying to the design, construction, quality of materials, erection, installation, alteration, repair, location, relocation, replacement, addition to, use or maintenance of the building envelope, building mechanical systems, service water-heating systems, pools and spas, electrical equipment, power, and lighting systems, established by the 2015 IECC, published under the authority of the International Code Council, Inc., is ratified and hereby adopted as the Energy Conservation Code of Boise City as amended, and except to the extent that those said rules and regulations are hereby changed, altered, or amended by this code. One copy of the 2015 IECC shall be filed for use and examination by the public in the Office of the City Clerk. All provisions in this chapter shall be effective as of January 1, 2018. (Ord. 43-17, 12-19-2017, eff. 1-1-2018)

9-9-3: lecc IECC Energy Code Amendment, Section C101.1, Title

C101.1 Title. The 2015 Edition of the International Energy Conservation Code, and amendments pursuant to this ordinance, Boise City Code Title 9, Chapter 9 shall be known as the Energy Conservation Code of Boise City, and hereinafter may be cited or referred to in this code.

(Ord. 43-17, 12-19-2017, eff. 1-1-2018)

9-9-4: lecc IECC Energy Code Amendment, Add Section C101.5.2, Industrial, Electronic, And Manufacturing Equipment

C101.5.2 Industrial, electronic and manufacturing equipment. Buildings or portions thereof that are heated or cooled exclusively to maintain a required operating temperature for industrial, electronic, or manufacturing equipment shall be exempt from the provisions of this code. Such buildings or portions thereof shall be separated from connected conditioned space by building thermal envelope assemblies that comply with this code. If this condition or use is abandoned, then that building or portion thereof shall be subject to the requirements of this code.

(Ord. 43-17, 12-19-2017, eff. 1-1-2018)

9-9-5: lecc IECC Energy Code Amendment, Section C1074.2, Schedule Of Permit Fees

Section C107 shall be deleted in its entirety.

C104.2 Schedule of permit fees. The fees for residential energy code inspection(s), when applicable under the commercial provisions, reinspections, after hours inspections, or additional plan review after the third review or for modification changes, additions, or revisions after permit issuance, verifying compliance with the Energy Conservation Code of Boise City, shall be assessed in accordance with the provisions of the Boise City Building Code Fee Schedule as adopted by the City Council, which will be kept on file at the Planning and Development Services permit counter, Boise City Clerk’s office, or on the Planning and Development Services website. All fees shall be reviewed by the Building
Code Board prior to adoption by City Council.
(Ord. 43-17, 12-19-2017, eff. 1-1-2018)

9-9-6: IECC Energy Code Amendment, Section C104.5, Refunds

**C104.5 Refunds.** Any fee refunds shall comply with the provisions of Section 109.6 of the International Building Code as adopted by the Building Code of Boise City or Section R108.5 of the International Residential Code as adopted by the One-And-Two-Family Dwelling Building Code of Boise City, as applicable.


Section C108 shall be repealed in its entirety and replaced with the following:

**C108 Stop work order.** Whenever the code official, or designee, identifies any work regulated by the Energy Conservation Code of Boise City being performed in a manner contrary to the provisions of this code or in a dangerous or unsafe manner, then the building code official is authorized to issue a stop work order in accordance with Section 115 of the International Building Code as adopted by the Building Code of Boise City or Section R114 of the International Residential Code as adopted by the One-And-Two-Family Dwelling Building Code of Boise City.
(Ord. 43-17, 12-19-2017, eff. 1-1-2018)

9-9-78: IECC Energy Code Amendment, Section C109, Board Of Appeals, Appeal Process

Section C109 shall be repealed in its entirety and replaced with the following:

(Ord. 43-17, 12-19-2017, eff. 1-1-2018)

**C109 Board of appeals process.** Any person, firm, association, or corporation desiring to appeal an order, decision, or determination made by the building code official with respect to an application or interpretation of this code shall file a written appeal with the code official within ten (10) calendar days from the date the order, decision, or determination was issued. The party appealing a decision of the City shall include payment of an appeal fee, in the amount established by specified in the Boise City Building Code Fee Schedule as adopted by the City Council, and listed on the most current fee schedule at time of filing the written appeal request. In the event the appealing party prevails, then the appeal fee shall be returned to the appellant.
(Ord. 43-17, 12-19-2017, eff. 1-1-2018; amd. 2019 Code)

Recognizing that the Energy Conservation Code of Boise City is multi-disciplinary, the building code official shall schedule the appeal before the appeals board of the most relevant discipline to the issue being appealed. Depending upon the issue raised on appeal, an energy conservation code appeal may be heard by the Building Code Board of Appeals, the Electrical Board of Appeal, or the Plumbing, Mechanical, or and Fuel Gas Board as established by Boise City Code. Ten (10) calendar days prior to the appeal hearing, the appellant shall be notified as to which board will hear the appeal and will be given a copy of referenced to the applicable ordinance governing appeals to that
The ordinance which governs the relevant board shall govern the conduct and procedure of the hearing. The hearing shall be held within thirty (30) calendar days of receipt of the notice of appeal or as otherwise agreed upon by the parties to the appeal and the City. Any order, decision, or ruling of the board of appeals may be appealed by filing notice in writing to the City Council within ten (10) calendar days of such order, decision or ruling.

(Ord. 43-17, 12-19-2017, eff. 1-1-2018)

9-9-89: lecc IECC Energy Code Amendment, Add Section C110, Violations

C110 Violations. Violations of any provision of the Energy Conservation Code of Boise City shall be subject to enforcement provisions under Section 114 of the International Building Code as adopted by the Building Code of Boise City or Section R113 of the International Residential Code as adopted by the One-And-Two-Family Dwelling Building Code of Boise City.

(Ord. 43-17, 12-19-2017, eff. 1-1-2018)

9-9-910: lecc IECC Energy Code Amendment, Section C201.3, Terms Defined In Other Codes

C201.3 Terms defined in other codes. Terms that are not defined in this code but are defined in the applicable editions of the International Building Code, International Residential Code, International Existing Building Code, National Electrical Code, International Fire Code, International Fuel Gas Code, International Mechanical Code, or the Idaho State Plumbing Code, such terms shall have the meanings ascribed to them as in those codes respectively.

(Ord. 43-17, 12-19-2017, eff. 1-1-2018)


CODE OFFICIAL. The building official as defined and established by the International Building Code as incorporated into the Building Code of Boise City, and as defined and established by the International Residential Code as incorporated into the One-And-Two-Family Dwelling Building Code of Boise City, shall be referred to as the code official under this code. The code official shall be responsible for administering and enforcing this code.

(Ord. 43-17, 12-19-2017, eff. 1-1-2018)

9-9-12: IECC Energy Code Amendment, Section C402.5, Air Leakage-Thermal Envelope (Mandatory), Add Exception

Add the following Exception to Section C402.5, Air Leakage-Thermal Envelope (Mandatory):

Exception: For buildings having over fifty thousand (50,000) square feet of conditioned floor area, air leakage testing shall be permitted to be conducted on less than the whole building, provided the following portions of the building are tested and their measured air leakage is area-weighted by the surface areas of the building envelope:
1. The entire floor area of all stories that have any spaces directly under a roof.

2. The entire floor area of all stories that have a building entrance or loading dock.

3. Representative above-grade wall sections of the building totaling at least twenty-five percent (25%) of the above-grade wall area enclosing the remaining conditioned space. Floor area tested under items 1 and 2 of this Exception shall not be included in the twenty-five percent (25%) of above-grade wall sections tested under item 3 of this Exception.

9-9-1113: IECC Energy Code Amendment, Section C403.35, Economizers (Prescriptive), Add Exception 10

Adding Exception number 10 seven (7) to section C403.35, Economizers (Prescriptive) which shall read as follows:

10. Unusual outdoor air contaminate conditions - Systems requiring special outside air filtration and treatment for the reduction and treatment of unusual outdoor contaminants that make an air economizer infeasible.

(Ord. 43-17, 12-19-2017, eff. 1-1-2018)

9-9-14: IECC Energy Code Amendment, Table C404.5.1, Piping Volume And Maximum Piping Lengths

Repeal Table C404.5.1, Piping Volume and Maximum Piping Lengths and replace with the following:

<table>
<thead>
<tr>
<th>Nominal Pipe Size (inches)</th>
<th>Volume (liquid ounces per foot length)</th>
<th>Maximum Piping Length (feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>5/8</td>
<td>2</td>
<td>7</td>
</tr>
<tr>
<td>3/4</td>
<td>3</td>
<td>5</td>
</tr>
<tr>
<td>7/8</td>
<td>4</td>
<td>N/A – non-standard size</td>
</tr>
<tr>
<td>1</td>
<td>5</td>
<td>3</td>
</tr>
<tr>
<td>1-1/4</td>
<td>8</td>
<td>2</td>
</tr>
<tr>
<td>1-1/2</td>
<td>11</td>
<td>1</td>
</tr>
<tr>
<td>2 or larger</td>
<td>18</td>
<td>1</td>
</tr>
</tbody>
</table>
For SI: 1 inch = 25.4 mm; 1 foot = 304.8 mm; 1 liquid ounce = 0.030 L; 1 gallon = 128 ounces

9-9-1215: IECC Energy Code Amendment, Section R101.1, Title

R101.1 Title. The 2015 Edition of the International Energy Conservation Code, and amendments pursuant to this ordinance, Boise City Code Title 9, Chapter 9 shall be known as the Energy Conservation Code of Boise City. The Energy Conservation Code of Boise City and hereinafter may be cited or referred to in as “this code.”
(Ord. 43-17, 12-19-2017, eff. 1-1-2018)

9-9-1316: IECC Energy Code Amendment, Section R107 R104.2, Schedule Of Permit Fees

Section R107 shall be repealed in its entirety and replaced as follows:

R107 R104.2 Schedule of permit Fees. The fees for residential energy code inspection(s), reinspections, after hours inspections, or additional plan review after the third review or for modification changes, additions, or revisions after permit issuance, verifying compliance with the Energy Conservation Code of Boise City, shall be assessed in accordance with Table No. 1-A of the provisions of the Boise City Building Code Fee Schedule as adopted by the Boise City Council, which will be kept on file at the Planning and Development Services permit counter, Boise City Clerk’s office, or on the Planning and Development Services website. All fees shall be reviewed by the Building Code Board prior to adoption by City Council.
(Ord. 43-17, 12-19-2017, eff. 1-1-2018)

9-9-17: IECC Energy Code Amendment, Section R104.5, Refunds

R104.5 Refunds. Any fee refunds shall comply with the provisions of Section 109.6 of the International Building Code as adopted by the Building Code of Boise City or Section R108.5 of the International Residential Code as adopted by the One-And-Two-Family Dwelling Building Code of Boise City, as applicable.

9-9-1418: IECC Energy Code Amendment, Section R108, Stop Work Order

Section R108 shall be repealed in its entirety and replaced with the following:

R108 Stop work order. Whenever the code official, or designee, identifies any work regulated by the Energy Conservation Code of Boise City being performed in a manner contrary to the provisions of this code or in a dangerous or unsafe manner, then the building code official is authorized to issue a stop work order in accordance with Section 115 of the International Building Code as adopted by the Building Code of Boise City or Section R114 of the International Residential Code as adopted by the One-And-Two-Family Dwelling Building Code of Boise City.
(Ord. 43-17, 12-19-2017, eff. 1-1-2018)
Section R109 shall be repealed in its entirety and replaced with the following:
(Ord. 43-17, 12-19-2017, eff. 1-1-2018)

**R109 Board of appeals process.** Any person, firm, association, or corporation desiring to appeal an order, decision, or determination made by the building code official with respect to an application or interpretation of this code shall file a written appeal with the code official within ten (10) calendar days from the date the order, decision, or determination was issued. The party appealing a decision of the City shall include payment of an appeal fee, in an amount established by specified in the Boise City Building Code Fee Schedule as adopted by the City Council, and listed on the most current fee schedule at time of filing the written appeal request. In the event the appealing party prevails, then the appeal fee shall be returned to the Appellant.
(Ord. 43-17, 12-19-2017, eff. 1-1-2018; amd. 2019 Code)

Recognizing that the Energy Conservation Code of Boise City is multi-disciplinary, the building code official shall schedule the appeal before the appeals board of the most relevant discipline to the issue being appealed. Depending upon the issue raised on appeal, an energy conservation code appeal may be heard by the Building Code Board of Appeals, the Electrical Board of Appeal, or the Plumbing, Mechanical, or and Fuel Gas Board as established by Boise City Code. Ten (10) calendar days prior to the appeal hearing, the appellant shall be notified as to which board will hear the appeal and will be given a copy of referenced to the applicable ordinance governing appeals to that board. The ordinance which governs the relevant board shall govern the conduct and procedure of the hearing. The hearing shall be held within thirty (30) calendar days of receipt of the notice of appeal or as otherwise agreed upon by the parties to the appeal and the City. Any order, decision, or ruling of the board of appeals may be appealed by filing notice in writing to the City Council within ten (10) calendar days of such order, decision or ruling.
(Ord. 43-17, 12-19-2017, eff. 1-1-2018)

**R110 Violations.** Violations of any provision of the Energy Conservation Code of Boise City shall be subject to enforcement provisions under Section 114 of the International Building Code as adopted by the Building Code of Boise City or Section R113 of the International Residential Code as adopted by the One-And-Two-Family Dwelling Building Code of Boise City.
(Ord. 43-17, 12-19-2017, eff. 1-1-2018)

**R201.3 Terms defined in other codes.** Terms that are not defined in this code but are defined in the applicable editions of the International Building Code, International Residential Code, International Existing Building Code, National Electrical Code,
International Fire Code, International Fuel Gas Code, International Mechanical Code, or the Idaho State Plumbing Code, such terms shall have the meanings ascribed to them as in those codes respectively.  
(Ord. 43-17, 12-19-2017, eff. 1-1-2018)

9-9-1822: **IECC Energy Code Amendment, Section R202, General Definitions, Code Official**

CODE OFFICIAL The building official as defined and established by the International Building Code as incorporated into the Building Code of Boise City, and as defined and established by the International Residential Code as incorporated into the One-And-Two-Family Dwelling Building Code of Boise City, shall be referred to as the code official under this code. The code official shall be responsible for administering and enforcing this code.  
(Ord. 43-17, 12-19-2017, eff. 1-1-2018)

9-9-23: **IECC Energy Code Amendment, Table R402.1.2, Insulation And Fenestration Requirements By Component**

Repeal the row in Table R402.1.2 for climate zones “5 and Marine 4” and replace with the following:

**TABLE R402.1.2**

<table>
<thead>
<tr>
<th>Climate Zone</th>
<th>Fenestration U-Factor</th>
<th>Skylight U-Factor</th>
<th>Glazed Fenestration SHGC</th>
<th>Ceiling R-Value</th>
<th>Wood Frame Wall R-Value</th>
<th>Mass Wall R-Value</th>
<th>Floor R-Value</th>
<th>Basement Wall R-Value</th>
<th>Slab R-Value &amp; Depth</th>
<th>Crawl-Space Wall R-Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>0.32</td>
<td>0.55</td>
<td>NR</td>
<td>49</td>
<td>20 or 13+5h</td>
<td>13/17</td>
<td>30</td>
<td>15/19</td>
<td>10, 2 ft</td>
<td>15/19</td>
</tr>
</tbody>
</table>

Footnotes published underneath Table R402.1.2 in the code are applicable.

9-9-1924: **IECC Energy Code Amendment, Table R402.1.2, Insulation And Fenestration Requirements By Component, Add Footnotes J And K**

Add footnote j to the title of table R402.1.2 - Insulation and Fenestration Requirements by Component. Add footnote j underneath table R402.1.2 after footnote i to read as follows: j. For residential log home building thermal envelope construction requirements see section R402.6.

Add footnote k to the Ceiling R-Value header of table R402.1.2, and below table R402.1.2 to read as follows:

k. The Ceiling R-Value in Climate Zone 5 may be reduced to R-38 when the Wood Frame Wall R-Value is increased to R-21 and the Fenestration U-Factor is reduced to 0.31.  
(Ord. 43-17, 12-19-2017, eff. 1-1-2018)

9-9-25: **IECC Energy Code Amendment, Table R402.1.4, Equivalent U-Factors**
Repeal the row in Table R402.1.4 for climate zones “5 and Marine 4” and replace with the following:

### TABLE R402.1.4
**EQUIVALENT U-FACTORS**

<table>
<thead>
<tr>
<th>Climate Zone</th>
<th>Fenestration U-Factor</th>
<th>Skylight U-Factor</th>
<th>Ceiling U-Factor</th>
<th>Frame Wall U-Factor</th>
<th>Mass Wall U-Factor</th>
<th>Floor U-Factor</th>
<th>Basement Wall U-Factor</th>
<th>Crawl-Space Wall U-Factor</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>0.32</td>
<td>0.55</td>
<td>0.030</td>
<td>0.060</td>
<td>0.082</td>
<td>0.033</td>
<td>0.050</td>
<td>0.055</td>
</tr>
</tbody>
</table>

Footnotes published underneath Table R402.1.4 in the code are applicable.

9-9-20: Iecc Energy Code Amendment, Table R402.4.1.1, Air Barrier And Insulation Installation

Add the criteria requirement for the "fireplace" component of table R402.4.1.1 Air Barrier and Insulation Installation as follows:

### TABLE R402.4.1.1 (N1102.4.1.1)
**AIR BARRIER AND INSULATION INSTALLATION**

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>CRITERIAs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fireplace</td>
<td>An air barrier shall be installed on fireplace walls.</td>
</tr>
</tbody>
</table>

(Ord. 43-17, 12-19-2017, eff. 1-1-2018)

9-9-2126: Iecc IECC Energy Code Amendment, Section R402.4.1.2, Testing

**R402.4.1.2 Testing.** The building or dwelling unit shall be tested and verified as having an air leakage rate not exceeding five (5) air changes per hour in Climate Zones 1 and 2, and four (4) air changes per hour in Climate Zones 3 through 8. Testing shall be conducted in accordance with ANSI/RESNET/ICC 380, ASTM E779, or ASTM E1827 and reported at a pressure of 0.2 inches w.g. (50 Pascals). Where required by the code official, testing shall be conducted by an approved third party. A written report of the results of the test shall be signed by the party conducting the test and provided to the code official. Testing shall be performed at any time after creation of all penetrations of the building thermal envelope.

During testing:

1. Exterior windows and doors, fireplace and stove doors shall be closed, but not sealed.
2. Dampers shall be closed, but not sealed, including exhaust, intake, makeup air, backdraft and flue dampers.
3. **Interior doors shall be open.**

4. **Exterior openings for continuous ventilation systems and heat recovery ventilators shall be closed and sealed.**

5. **Heating and cooling system(s) shall be turned off.**

6. **HVAC ducts shall not be sealed.**

7. **Supply and return registers shall not be sealed.**

(Ord. 43-17, 12-19-2017, eff. 1-1-2018)

9-9-2227: **IECC Energy Code Amendment, Add Section R402.6, Residential Log Home Thermal Envelope**

**R402.6 Residential Log Home Thermal Envelope.** Residential log home construction shall comply with sections R401 (General), R402.4 (Air Leakage), R402.5 (Maximum Fenestration U-Factor and SHGC), R403.1 (Controls), R403.3.2 (Sealing), R403.3.5 (Building Cavities), sections R403.4 through R403.11 (referred to as the mandatory sections of Sections R403.3 through R403.9 provisions), Section R404 (Electrical Power and Lighting Systems), and either subsection item i., ii., or iii. as follows:

i. Sections R402.2 through R402.3, R403.3.1 (Insulation), R404.1 (Lighting equipment), and Table R402.6 (Log Home Prescriptive Thermal Envelope Requirements by Component);

ii. Section R405 (Simulated Performance Alternative) (Performance); or

iii. REScheck (U.S. Department of Energy Building Codes Program).

(Ord. 43-17, 12-19-2017, eff. 1-1-2018)

9-9-2328: **IECC Energy Code Amendment, Add Table R402.6, Log Home Prescriptive Thermal Envelope Requirements By Component**

**TABLE R402.6**

<table>
<thead>
<tr>
<th>Climate Zone</th>
<th>Fenestration U-Factor</th>
<th>Skylight U-Factor</th>
<th>Glazed Fenestration SHGC</th>
<th>Ceiling R-Value</th>
<th>Min. Average LOG Size in Inches</th>
<th>Floor R-Value</th>
<th>Basement Wall R-Value</th>
<th>Slab R-Value &amp; Depth</th>
<th>Crawl Space Wall R-Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>5, 6-High efficiency equipment path&lt;sup&gt;c&lt;/sup&gt;</td>
<td>0.32</td>
<td>0.60</td>
<td>NR</td>
<td>49</td>
<td>5</td>
<td>30</td>
<td>15/19</td>
<td>10, 4 ft.</td>
<td>10/13</td>
</tr>
</tbody>
</table>
a. The fenestration U-factor column excludes skylights. The SHGC column applies to all glazed fenestration.
b. R-5 shall be added to the required slab edge R-values for heated slabs.
c. 90% AFUE natural gas or propane, 84% AFUE oil, or 15 SEER heat pump heating equipment (zonal electric resistance heating equipment such as electric baseboard electric resistance heating equipment as the sole source for heating is considered compliant with the high efficiency equipment path).
d. "15/19" means R-15 continuous insulated sheathing on the interior or exterior of the home or R-19 cavity insulation at the interior of the basement wall. "15/19" shall be permitted to be met with R-13 cavity insulation on the interior of the basement wall plus R-5 continuous insulated sheathing on the interior or exterior of the home. "10/13" means R-10 continuous insulated sheathing on the interior or exterior of the home or R-13 cavity insulation at the interior of the basement wall.

(Ord. 43-17, 12-19-2017, eff. 1-1-2018)

9-9-24: IECC Energy Code Amendment, Section R403.3.3, Duct Testing (mandatory)

R403.3.3 Duct testing (Mandatory). Ducts shall be pressure tested in accordance with ANSI/RESNET/ICC 380 to determine air leakage by one of the following methods:

1. Rough-in test: Total leakage shall be measured with a pressure differential of 0.1 inch w.g. (25 Pa) across the system, including the manufacturer's air handler enclosure if installed at the time of the test. All registers shall be taped or otherwise sealed during the test.

2. Post-construction test: Total leakage shall be measured with a pressure differential of 0.1 inch w.g. (25 Pa) across the entire system, including the manufacturer's air handler enclosure. Registers shall be taped or otherwise sealed during the test.

Exception: A duct air leakage test shall not be required where the ducts and air handlers are located entirely within the building thermal envelope.
A written report of the results of the test shall be signed by the party conducting the test and provided to the code official.
(Ord. 43-17, 12-19-2017, eff. 1-1-2018)

9-9-29: IECC Energy Code Amendment, Section R403.5.3, Hot Water Pipe Insulation (Prescriptive)
R403.5.3 Hot water pipe insulation (Prescriptive). Insulation for hot water piping with a thermal resistance, R-value, of not less than R-3 shall be applied to the following:

1. Piping serving more than one (1) dwelling unit.
2. Piping located outside the conditioned space.
3. Piping located under a floor slab.
4. Buried piping.
5. Supply and return piping in recirculation systems other than demand recirculation systems.

9-9-30: IECC Energy Code Amendment, Section R404.1, Lighting Equipment (Mandatory)

R404.1 Lighting equipment (Mandatory). A minimum of seventy-five percent (75%) of the lamps in permanently installed lighting fixtures shall be high-efficacy lamps or a minimum seventy-five percent (75%) of the permanently installed lighting fixtures shall contain only high-efficacy lamps.

9-9-2531: IECC Energy Code Amendment, Section R406.3, Energy Rating Index

R406.3 Energy Rating Index. The Energy Rating Index (ERI) shall be determined in accordance with ANSI/RESNET/ICC 301. Energy used to recharge or refuel a vehicle used for transportation on roads that are not on the building site shall not be included in the ERI reference design or the rated design.

(Ord. 43-17, 12-19-2017, eff. 1-1-2018)

9-9-26: IECC Energy Code Amendment, Delete Section R406.3.1, ERI Reference Design

R406.3.1 ERI Reference Design. Delete.

(Ord. 43-17, 12-19-2017, eff. 1-1-2018)

9-9-2732: IECC Energy Code Amendment, Table R406.4, Maximum Energy Rating Index

The Energy Rating Index value for Climate Zone 5 shall be amended to read as follows:

<table>
<thead>
<tr>
<th>CLIMATE ZONE</th>
<th>ENERGY RATING INDEXa</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>61</td>
</tr>
</tbody>
</table>

a. Where on-site renewable energy is included for compliance using the ERI analysis of Section R406.4, the building shall meet the mandatory requirements of Section
R406.2, and the building thermal envelope shall be greater than or equal to the levels of efficiency and SHGC in Table R402.1.2 or Table R402.1.4 of the 2015 International Energy Conservation Code.

(Ord. 43-17, 12-19-2017, eff. 1-1-2018)

9-9-28: Iecc Energy Code Amendment, Section R406.5, Verification By Approved Agency

R406.5 Verification by approved agency. Verification of compliance with Section R406 shall be completed by a third party approved in accordance with ANSI/RESNET/ICC 301.

(Ord. 43-17, 12-19-2017, eff. 1-1-2018)

9-9-29: Iecc Energy Code Amendment, Section R406.6, Documentation

R406.6 Documentation. Documentation of the software used to determine the ERI and the parameters for the residential building shall be in accordance with Sections R406.6.1 through R406.6.5.

(Ord. 43-17, 12-19-2017, eff. 1-1-2018)

9-9-30: Iecc Energy Code Amendment, Section R406.6.1, Compliance Software Tools

R406.6.1 Compliance software tools. Software tools used for determining the ERI shall be Approved Software Rating Tools in accordance with ANSI/RESNET/ICC 301.

(Ord. 43-17, 12-19-2017, eff. 1-1-2018)

9-9-31: Iecc Energy Code Amendment, Add Section R406.6.4, Specific Approval

R406.6.4 Specific approval. Performance analysis tools meeting the applicable sections of Section R406 shall be approved. Documentation demonstrating the approval of performance analysis tools in accordance with Section R406.6.1 shall be provided to the code official.

(Ord. 43-17, 12-19-2017, eff. 1-1-2018)

9-9-32: Iecc Energy Code Amendment, Add Section R406.6.5, Input Values

R406.6.5 Input values. When calculations require input values not specified by Sections R402, R403, R404, or R405, those input values shall be taken from ANSI/RESNET/ICC 301.

(Ord. 43-17, 12-19-2017, eff. 1-1-2018)

9-9-33: Iecc Energy Code Amendment, Delete Section R406.7, Calculation Software Tools, Including Subsections R406.7.1, Minimum Capabilities, R406.7.2, Specific Approval And R406.7.3, Input Values

R406.7 Calculation Software Tools. Delete including subsections R406.7.1, Minimum Capabilities, R406.7.2, Specific Approval and R406.7.3, Values.

(Ord. 43-17, 12-19-2017, eff. 1-1-2018)

9-9-34: Iecc Energy Code Amendment, Chapter 6 Referenced Standards
The following referenced standards shall be added into chapter 6 of the code as follows:

<table>
<thead>
<tr>
<th>Standard reference number</th>
<th>Title</th>
<th>Referenced in code-section number</th>
</tr>
</thead>
</table>

(Ord. 43-17, 12-19-2017, eff. 1-1-2018)
2018 International Residential Code (IRC) Summary of Changes

Chapters 1 and 2:

IRC Section R101.2. Scope:

2018 IRC Modifications: Clarified scope of code application, clarifies the exception, added more items to exception that can be constructed under the IRC, correlates with the IBC. (Owner-occupied lodging houses 5 bedrooms/10 occupants or less, care facilities with 5 or fewer, daycares with 12 or fewer)

Comments:
• State amendment (no sprinklers, no live-work, no medical care, added daycare)

IRC Section R105.1, R110.1, R202 Change of occupancy:

2018 IRC Modifications: Section R105.1 Change of wording for issuance of Certificate of Occupancy, Section R110.1 changes to wording for use and occupancy; and R202 added definition of “Change of Occupancy”.

Comments:
• Positive change, clarifies change of occupancy/use.

Section R202: Definitions:

2018 IRC Modifications: Definitions changed from Accessible to “Access (To)”, from Accessible, Readily to “Ready Access (To)”, and revision to Cleanout to match the above term changes.
• Added definition of crawl space.
• New definitions of Carbon Monoxide Alarm and Carbon Monoxide Detector clarifying the differences of the two.
• Changes made to definition of Fenestration, and added definition of “Fenestration, Vertical”.
• New definitions were added related to solar energy systems.

Comments:
• Positive change, clarifies and adds definitions for all items above.

Chapter 3

IRC Table R301.2 (1) Climatic and Geographic Design Criteria:

2018 IRC Table R301.2 (1) Climatic and Geographic Design Criteria. Modification added Manual J design criteria to include variables for Manual J assessments with other climatic and geographic design criteria.

Comments:
• Positive change, has jurisdiction specify applicable design criteria.
Section R301.2.2.1 Seismic Design Category:

2018 IRC Section R301.2.2.1 Seismic Design Category. Modification of a new alternative seismic map allows potentially a lower seismic design category based on determination of soil type, with geotechnical report.

Comments:
- Positive, provides an alternate option, depending on soil type, could benefit from lower design standards for this category.

Section R301.2.2.6 Irregular Buildings:

2018 IRC Section R301.2.2.6 Irregular Buildings. Modification. Has been rearranged to avoid confusing language in 2015 IRC.

Comments:
- Positive change clarifies confusing language.

Section R302.1 Exterior Walls:

2018 IRC Section R302.1 Exterior Walls. Modification. References to the IBC offer additional options and provide flexibility in determining the fire-resistance rating of exterior wall assemblies and projections.

Comments:
- Positive change, adds more clarification and options for fire resistive ratings.
- State amendment.

IRC Section R302.2 Townhouse Separation:

2018 IRC Section R302.2 Townhouse Separation. Modification. Back to two options for achieving the fire-resistance separation between Townhouse dwelling units (two one-hour walls or one two-hour wall).

Comments:
- Positive change, aligns with former state amendment and former code editions.

IRC Section R302.3 Modification to Two-Family Dwelling Separation:

2018 IRC Section R302.3 Modification to Two-Family Dwelling Separation. New reference to section 703.3 of the IBC provides alternatives for determining the fire-resistance rating of wall and floor/ceiling assemblies for separation of dwelling units.

Comments:
- Positive change with more options for rated wall or floor/ceiling assembly.
IRC Section R302.4.2 Membrane Penetrations:

2018 IRC Section R302.4.2 Membrane Penetrations. Modification. Added Exception for UL listed luminaires that have been test for the application are specifically permitted for fire-resistant-rated ceiling membrane penetrations.

Comments:
- Positive change with more options for listed rated lighting fixtures.

Section R302.5 Dwelling-Garage Opening Protection:

2018 Modification. An automatic-closing device is now permitted as an alternate to a self-closing device for the door between the garage and dwelling.

Comments:
- Positive change with additional option for door closer.

Section R302.10 Insulation Flame Spread:

2018 Code Modification: The testing of insulating materials for flame spread and smoke-developed ratings applies to facings including vapor retarders and other coverings. This clarifies the old language.

Comments:
- Positive change, gives clarification on placement of the vapor retarder and allows it to be intact with insulation and still meet ratings.

Section R302.13 Fire Protection of Floors above Crawl Spaces:

2018 Modification: Fire resistant membrane protection is now required for the applicable floor framing materials above crawl spaces containing fuel-fired or electric-powered heating appliances. Includes use of 5/8” Gyp Bd. or structural panel.

Comments:
- To longer protect floor framing from fire when equipment/appliances are located in crawl space.

Section R308.4.2 Glazing Adjacent to Doors:

2018 Modifications: Glazing within 24 inches of the hinge side of an in-swinging door now requires safety glazing where the glazing is at an angle less than 180 degrees from the plane of the door.

Comments:
- Positive change, adds clarification and safety.
IRC Section R308.4.4 Glazing in Guards and Railings:

2018 IRC Modification: Glazing in Guards and Railings. Unless laminated glass is used, structural glass baluster panels in guards now require an attached top rail or handrail.

Comments:
- Positive change adds factor of safety for use of non-laminated glass.

IRC Section R308.4.7 Glazing Adjacent to the Bottom Stair Landing:

2018 Landing Clarification: Figure R308.4.7 has been replaced with a new figure and modified caption to more accurately reflect the related code provisions.

Comments:
- Positive change, adds clarification.

IRC Section R310.1 Emergence Escape and Rescue Openings:

2018 IRC Modification: Emergency escape and rescue openings are no longer required for bedrooms in basement when the dwelling unit is protected with an automatic fire sprinkler system and other egress conditions from the basement are met.

Comments:
- Positive change, another option, more flexibility if fire sprinklered.

IRC Section R310.3 Area Wells for Emergency Escape and Rescue Doors:

2018 IRC Modification: For emergency escape and rescue doors from basements, change in terminology from bulkhead enclosures to “area wells” and adds provisions for ladders and steps. (similar to window wells)

Comments:
- Positive change, clarifies terminology and criteria.

IRC Section R311.7.1, R311.7.8 Handrail Projection:

2018 IRC Modification: A new exception to the handrail projection limitation provides for adequate clearance behind the handrail when it passes a projection of a floor, landing or tread return.

Comments:
- Positive change, further clarifies handrail requirements.

IRC Section R311.7.8.3

2018 IRC change: Handrail clearance between handrail and wall set at 1.5 inches.

Comments:
Positive change for clarified room for graspability.

**IRC Section R311.7.3 Maximum Stair Rise between Landings:**

2018 IRC Modification: The maximum vertical rise of a flight of stairs has increased by 4 inches, from 147 to 151 inches (12'-7"). Better accommodates stairs with uniform risers and without a mid-level landing in designs with 10-foot ceilings and 24” floor trusses with finish materials.

**Comments:**
- Positive change.

**IRC Section R311.7.5.3 Stair Nosing:**

2018 IRC Modification: The revised text clarifies that stair nosings must be consistent throughout the stairway.

**Comments:**
- Positive change, adds clarification.

**IRC Section R311.7.11, R311.7.12 Alternating Tread Devices and Ships Ladders:**

2018 Code Modification: Alternating tread devices and ships ladders are now permitted as a means of egress for serving lofts and mezzanines (with no kitchen or bath) that do not exceed 200 square feet in area.

**Comments:**
- Positive change for trend of smaller house designs with small loft rooms.

**Section R312.1 Guards:**

2018 Code Clarification. The guard requirements only apply to the specific portion of a walking surface that exceeds 30 inches above grade.

**Comments:**
- Positive clarification, no change of standard.

**Section R314 Smoke Alarms:**

2018 Code Modification: The exemptions for hard wired interconnection of smoke alarms during alterations based on feasibility has been removed from the code and replaced with wireless option for interconnection.

**Comments:**
- Positive change with new technology available.

**IRC Section R315 Carbon Monoxide Alarms:**
2018 Code Modification: Interconnection is now required where multiple carbon monoxide alarms are required in a dwelling unit.

Comments:
- Positive change for safety, similar to smoke detector provisions.
- There is an exemption in section 315.5 for wireless devices that sound all alarms.

Section R317.3 Fasteners in Treated Wood:

2018 Code Modification: Staples in preservative-treated wood and fire retardant-treated wood are now required to be made of stainless steel.

Comments:
- Positive clarification, aligns with similar provisions for nails.

Section R324.4 Rooftop-Mounted Photovoltaic Systems:

2018 Code Modification. Structural requirements for rooftop-mounted Photovoltaic panel systems have been revised and consolidated in Section R324.4.

Comments:
- Positive change to clarify and ensure that the dead load of the panels plus live loads will not reduce the safety factor of an existing or new roof or truss system.

Section R324.6 Roof Access for Photovoltaic Solar Energy Systems:

2018 Code Addition: Requirements for roof access and pathways for firefighters have been introduced into the IRC provisions for rooftop-mounted photovoltaic solar energy systems.

Comments:
- Positive change, this brings the provisions into the building code which were formerly in the International Fire Code.

Section R324.6.2.2 Solar Panels near Emergency Escape and Rescue Openings:

2018 Code Modification: Roof mounted solar energy panels and modules are not permitted to be installed directly below emergency escape and rescue openings (36” pathway required).

Comments:
- Positive change for emergency escape/rescue safety.

Section R325.3 Mezzanine Area Limitation:

2018 Code Modification: New Exception to allow mezzanine area increase from one-third to one-half of the area of the room containing the mezzanine when fire sprinklered and open to room below.

Comments:
Positive change, more flexibility, allows larger mezzanine areas in sprinklered residential buildings.

Sections R325.6, R202 Habitable Attics:

2018 Code Addition: The definition of habitable attic has been revised and the technical requirements have been placed in a new section R325.6.

Comments:
- Positive change, clarifies the provisions of a habitable attic.

Chapters 4 and 5:

R403.1.1 Minimum Footing Size:

2018 Code Modifications: Expanded tables. Includes Type of structure, Light frame, Veneer, Concrete, Slab on grade, Crawl space, and Basement.

Comments:
- Very conservative, results in oversized footings.
- State Amendment back to use the 2012 IRC Table.
- Structural engineers involved, correcting in the 2021 IRC.

Section 408.3. Unvented Crawl Spaces:

2018 Code Modification: Adds another option of when ventilation of the under-floor space is not required when an adequately sized dehumidifier is provided.

Comments:
- Positive change, gives an alternate option with means of removing humidity and moisture from an unvented crawl space.

Section 507 Exterior Decks:

2018 Code Modification: Reorganization of this section and additional prescriptive provisions for construction of wood-framed decks provided.

Comments:
- Positive change with more clarification.

Section 507.2 Deck Material:

2018 Code Modification: Section 507.2 and subsections reorganized. Added the following sections: 507.2.1. Wood materials; 507.2.1.1 Engineered wood products; 507.2.3 Fasteners and connectors; 507.2.4 Flashing; 507.2.5 Alternated Materials; and Table 507.2.3. The following sections have been designated
with new section numbers: 507.2.2 Plastic Composite Deck Stairs Guards Handrails, 507.2.2.1 Labeling, 507.2.2.2 Flame Spread Index, 507.2.2.3 Decay resistant, 507.2.2.4 Termite Resistant, 507.2.2.5 Installation of Plastic Composites.

Comments:
- Positive change with more clarification.

Section 507.3 Deck Footings:

2018 Code Addition. This section defines the size and depth of deck footings, with exceptions. This new section also references new Table 507.3.1, Minimum Footing Size for Decks.

Comments:
- Positive change with more clarification and information.

Section 507.4 Deck Posts:

2018 IRC Modification: Section re-designed to add non-engineered prescriptive method.

Comments:
- Positive change with more flexibility.

Section 507.5 Deck Beams:

2018 Code Modification: Section 507.5 Deck Beams has been modified. Section 507.7 was renumbered 507.5.1, modified, and renamed Deck Beam Bearing. Section 507.7.1 re designated 507.5.2, modified and renamed Deck Beam Connection to Supports. Table 507.6 re-designated 507.5 Deck Beam Span Lengths, and modified.

Comments:
- Positive change with more clarification and information.

Section 507.6 Deck Joists:

2018 IRC Modification: 507.5 re-designated 507.6 Deck Joists, and modified. 507.7 re-designated 507.6.1, renamed Deck Joist and modified. Table 507.5 re-designated 507.6 Deck Joist Spans, and reorganized.

Comments:
- Positive change with more clarification and information.

Section 507.7 Decking:

2018 Modification: Section 507.7 Decking was modified.

Comments:
- Positive change with more clarification and information.
**Section 507.9 Vertical and Lateral Supports at Band Joist:**

2018 IRC New Sections. The following subsections of this section are new: 507.9.1 Vertical Supports; 507.9.1.4 Alternate Ledger Details. The following Sections have been re-designated: 507.2.1 has been re-designated to 507.9.1.1 Ledger Details; 507.2.2 has been re-designated 507.9.1.2 Band Joist Details; 507.2.3 has been re-designated 507.9.1.3 Ledger to Band Joist Details; 507.2.4 has been re-designated 507.9.2 and has been modified and renamed Lateral Connection.

**Comments:**
- Positive change with more clarification and information.

**Chapters 6 through 10:**

**Table R602.7.5 Minimum Number of Full Height Studs at Each End of Headers in Exterior Walls:**

2018 IRC Modification: Revised table to increase king studs in high wind areas and decrease number of king studs in wind areas at or below 115 mph.

**Comments:**
- Positive change with correction/clarification, reduction in king studs from 2015 IRC which were determined to be overly restrictive.

**Table R602.10.3(4) Seismic Adjustment Factors:**

2018 IRC Modification: Revised table to clarify loads and revision of bracing methods.

**Comments:**
- Positive change with clarification.
- Allows stone or brick veneer in second story with WSP or CS-WSP bracing methods.

**Section R703.2 Water Resistive Barrier:**

2018 IRC Modification: Water resistive barriers, other than 15# felt, must be installed per manufacturer’s installation instructions.

**Comments:**
- Positive change, adds clarification.

**Section R703.8.4 Veneer Anchorage Through Insulation:**

2018 IRC Modification: Masonry veneer is explicitly allowed to attach through insulation into underlying structural panel. Attachment must follow Table 703.8.4(2).

**Comments:**
- Positive change, adds clarification and flexibility.
Section R802 Wood Roof Framing:

2018 IRC Modification: Wood roof framing section and subsections have been clarified and reorganized (prefabricated wood i-joists, design and construction, ridge, rafters, hips/valleys, rafters supports, collar ties, ceiling joists, etc…)

Comments:
- Positive change, adds clarification.

Section R802.1.5.4 Labeling:

2018 IRC Modification: Label requirements added for fire retardant treated (FRT) lumber and wood structural panels.

Comments:
- Positive change, adds clarification.

Section R806.2 Minimum Vent Area (attic):

2018 IRC Modification: Minimum Vent Area exception is clarified.

Comments:
- Positive change, adds clarification.

Section R806.5 Unvented Attics:

2018 IRC Modification: Minimum Vent Area Exception is clarified.

Comments:
- Positive change, adds clarification.

Section R905.17 Building Integrated Photovoltaic Roof Panels:

2018 IRC Addition: New section added to address installation and attachment for Building Integrated Photovoltaic Roof Panels.

Comments:
- Positive change, adds clarification and criteria.

Section R907.1 Rooftop-Mounted Photovoltaic Panel Systems:

2018 IRC Addition: New section added to address installation of Rooftop-Mounted Photovoltaic Panel Systems.

Comments:
Positive change, adds clarification and criteria.
Section R1005.8 Insulation Shield:

2018 IRC Addition: Added new section requiring an insulation shield for factory-built chimneys.

Comments:
- Positive change, added fire protection.

Appendix Q Tiny Houses:

2018 IRC Addition: Added Appendix Q covering provisions of Tiny Houses, defined as dwellings with a maximum floor area of 400 sq. ft.

Comments:
Positive change, adds option and provisions to construct a Tiny House.
One-And-Two-Family Dwelling Building Code (Draft 7/14/20)

Sections

- 9-1B-1: Purpose
- 9-1B-2: Codes Adopted
- 9-1B-1003: IRC One-And-Two-Family Dwelling Building Code Amendment, Section R101.1, Title
- 9-1B-1014: IRC One-And-Two-Family Dwelling Building Code Amendment, Section R101.2, Scope, Delete Repeal The Exception Number One And Repeal Exception Number Two And Replace
- 9-1B-1025: IRC One-And-Two-Family Dwelling Building Code Amendment, Section R102.7, Existing Structures
- 9-1B-1036: IRC One-And-Two-Family Dwelling Building Code Amendment, Section R103, Division Of Building Safety
- 9-1B-1047: IRC One-And-Two-Family Dwelling Building Code Amendment, Section R104.10.1, Flood Hazard Areas
- 9-1B-1058: IRC One-And-Two-Family Dwelling Building Code Amendment, Section R105.2, Work Exempt From Permit
- 9-1B-1069: IRC One-And-Two-Family Dwelling Building Code Amendment, Section R105.2.1, Emergency Repairs
- 9-1B-10710: IRC One-And-Two-Family Dwelling Building Code Amendment, Section R105.2.2, Repairs
- 9-1B-10811: IRC One-And-Two-Family Dwelling Building Code Amendment, Section R105.3.1.1, Determination Of Substantially Improved Or Substantially Damaged Existing Buildings In Flood Hazard Areas
- 9-1B-10912: IRC One-And-Two-Family Dwelling Building Code Amendment, Section R105.3.2, Time Limitation Of Application
- 9-1B-11013: IRC One-And-Two-Family Dwelling Building Code Amendment, Section R105.5, Expiration
- 9-1B-11114: IRC One-And-Two-Family Dwelling Building Code Amendment, Add Section R105.10, Permit Transfer
- 9-1B-11215: IRC One-And-Two-Family Dwelling Building Code Amendment, Section R106.1, Submittal Documents
- 9-1B-11316: IRC One-And-Two-Family Dwelling Building Code Amendment, Section R107.1, Temporary Structures - General
- 9-1B-11417: IRC One-And-Two-Family Dwelling Building Code Amendment, Section R107.3, Temporary Power
- 9-1B-11518: IRC One-And-Two-Family Dwelling Building Code Amendment, Section R108.2, Schedule Of Permit Fees
- 9-1B-11619: IRC One-And-Two-Family Dwelling Building Code Amendment, Section R108.3, Building Permit Valuations
- 9-1B-11720: IRC One-And-Two-Family Dwelling Building Code Amendment, Section R108.5, Fee Refunds
- 9-1B-11821: IRC One-And-Two-Family Dwelling Building Code Amendment, Section R108.6, Work Commencing Before Permit Issuance
- 9-1B-11922: IRC One-And-Two-Family Dwelling Building Code Amendment, Section R109.1.3, Floodplain Inspections
- 9-1B-12023: IRC One-And-Two-Family Dwelling Building Code Amendment, Section R109.4, Approval Required
- 9-1B-12124: IRC One-And-Two-Family Dwelling Building Code Amendment, Add Section R110.1.1, Certificate Of Completion
- 9-1B-125: IRC One-And-Two-Family Dwelling Building Code Amendment, Section R110.4, Temporary Occupancy
- 9-1B-12226: IRC One-And-Two-Family Dwelling Building Code Amendment, Section R111.1, Connection Of Service Utilities
- 9-1B-12327: IRC One-And-Two-Family Dwelling Building Code Amendment, Add Section R111.4, Authority to Disconnect Utilities For Occupancy Violations
- 9-1B-12428: IRC One-And-Two-Family Dwelling Building Code Amendment, Section R112.1, Building Code Board Of Appeals, Add Section R112.1.1, Appeals To The Building Code Board Of Appeals And Add Section R112.1.2, Appeal Procedure
- 9-1B-12529: IRC One-And-Two-Family Dwelling Building Code Amendment, Section R113.4, Criminal Penalties
- 9-1B-12630: IRC One-And-Two-Family Dwelling Building Code Amendment, Section R114, Stop Work Order
- 9-1B-12731: IRC One-And-Two-Family Dwelling Building Code Amendment, Add Section R115, Unsafe Structures And Equipment And Section R115.1, Conditions
- 9-1B-12832: IRC One-And-Two-Family Dwelling Building Code Amendment, Section R202, Definition For Townhouse
- 9-1B-12933: IRC One-And-Two-Family Dwelling Building Code Amendment, Table R301.2(1), Climatic And Geographic Design Criteria
- 9-1B-34: IRC One-And-Two-Family Dwelling Building Code Amendment, Section R301.2.1.2, Protection Of Openings, Is Deleted
- 9-1B-13035: IRC One-And-Two-Family Dwelling Building Code Amendment, Table R302.1(1), Exterior Walls
- 9-1-131: IRC Building Code Amendment, Section R302.2, Townhouses, Exceptions
- 9-1B-13236: IRC One-And-Two-Family Dwelling Building Code Amendment, Section R303.4, Mechanical Ventilation
- 9-1B-13337: IRC One-And-Two-Family Dwelling Building Code Amendment, Section R309.3, Flood Hazard Areas
- 9-1B-13438: IRC One-And-Two-Family Dwelling Building Code Amendment, Section R313.1, Townhouse Automatic Fire Sprinkler Systems Exception
- 9-1B-13539: IRC One-And-Two-Family Dwelling Building Code Amendment, Section R313.2, One- And Two-family Dwellings Automatic Fire Sprinkler Systems, Is Deleted
- 9-1B-40 IRC One-And-Two-Family Dwelling Building Code Amendment, Section R314.2.2, Alterations, Repairs And Additions, Exceptions
- 9-1B-13641: IRC One-And-Two-Family Dwelling Building Code Amendment, Section R315.2.2, Alterations, Repairs And Additions, Exceptions
- 9-1B-13742: IRC One-And-Two-Family Dwelling Building Code Amendment, Section R322.1, Flood-resistant Construction, General
- 9-1B-43 IRC One-And-Two-Family Dwelling Building Code Amendment, Section R322.1.10, As-Built Elevation Documentation
- 9-1B-44 IRC One-And-Two-Family Dwelling Building Code Amendment, Section R322.2.1, Elevation Requirements
- 9-1B-45 IRC One-And-Two-Family Dwelling Building Code Amendment, Section R322.2.2, Enclosed Area Below Design Flood Elevation, Subparagraph 2.1
- 9-1B-46: IRC One-And-Two-Family Dwelling Building Code Amendment, Table R403.1(1) Minimum Width And Thickness For Concrete Footings For Light-Frame Construction, Table R403.1(2) Minimum Width And Thickness For Concrete Footings For Light-Frame Construction With Brick Veneer, Table R403.1(3) Minimum Width And Thickness For Concrete Footings With Cast-In-Place Or Fully Grouted Masonry Wall Construction, And Table R403.4 Minimum Depth (D) And Width (W) Of Crushed Stone Footings, Are Deleted.
- 9-1B-47 IRC One-And-Two-Family Dwelling Building Code Amendment, Add Table R403.1, Minimum Width Of Concrete, Precast, Or Masonry Footings
- 9-1B-48 IRC One-And-Two-Family Dwelling Building Code Amendment, Section R403.1.1, Minimum Size
- 9-1B-138: IRC Building Code Amendment, Table R602.7.5, Minimum Number Of Full Height Studs At Each End Of Headers In Exterior Walls
- 9-1B-13949: IRC One-And-Two-Family Dwelling Building Code Amendment, Section R602.10, Wall Bracing
- 9-1B-14050: IRC One-And-Two-Family Dwelling Building Code Amendment, Section R903.1, General Roof Covering
- 9-1B-141: IRC Building Code Amendment, Table N1102.1.2, Insulation And Fenestration Requirements By Component, Add Footnotes J And K
9-1B-1: Purpose

The purpose of this chapter is to provide certain minimum standards and requirements to safeguard life or limb, health, property, and the public welfare by regulating and controlling the design, construction, erection, alteration, moving, demolition, quality of materials, use, occupancy, location, and maintenance of all buildings and structures.
where not regulated by the Building Code or the Existing Building Code, in the city of Boise City. (Ord. 44-17, 12-19-2017, eff. 1-1-2018)

9-1B-2: Codes Adopted

All the rules, regulations, and ordinances of a general and permanent character relating and applying to the regulation of the erection, construction, enlargement, alteration, repair, moving, removal, conversion, demolition, occupancy, equipment, use, height, area, and maintenance of one-and-two-family dwelling buildings or structures, and their accessory buildings or structures, as said rules, regulations and ordinances are printed and contained in Code book form designated and entitled the “2015 International Building Code” (IBC) including appendix H (Signs) and appendix J (Grading), and the “2012 International Residential Code” (IRC) which is hereby amended to delete chapters 1–11 and chapter 44 and replacing those chapters with the corresponding chapters of established by the “2015 2018 International Residential Code” (IRC) parts I through IV and IX, including Appendix Q (Tiny Houses) and Appendix S, (Strawbale Construction) and adding appendix V (Tiny Homes), published under the authority of the International Code Council, Inc., be and the same is hereby adopted as the One-And-Two-Family Dwelling Building Code of Boise City as amended, and except to the extent that those rules and regulations are hereby changed, altered, or amended by this code, shall be the rules, regulations, and ordinances governing the erection, construction, enlargement, alteration, repair, moving, removal, conversion, demolition, occupancy, equipment, use, height, area, and maintenance of one-and-two-family dwelling buildings or structures, and their accessory buildings or structures, at and within the City. A One copy of the 2018 International Residential Building Code of Boise City shall be on filed for use and examination by the public in the Office of the Clerk for inspection. It shall be unlawful to erect, construct, enlarge, alter, repair, move, remove, convert, demolish, or maintain buildings or structures in violation of, or without complying with the rules, regulations, and ordinances set forth by the One-And-Two-Family Dwelling Building Code of Boise City as adopted and as may be changed, altered, or amended by the One-And-Two-Family Dwelling Building Code of Boise City. All provisions in this Chapter shall be effective January 1, 2018 2021. (Ord. 44-17, 12-19-2017, eff. 1-1-2018)

9-1B-1003: IRC One-And-Two-Family Dwelling Building Code Amendment, Section R101.1, Title

R101.1 Title. These provisions Boise City Code Title 9, Chapter 1B shall be known as the Residential Code for One-and-Two-Family Dwellings Building Code of Boise City, and hereinafter may be cited or referred to hereunder as such “this Chapter” or as and “this code” hereunder. (Ord. 44-17, 12-19-2017, eff. 1-1-2018)

9-1B-1014: IRC One-And-Two-Family Dwelling Building Code Amendment, Section R101.2, Scope, Delete Repeal the Exception Number One And Repeal Exception Number Two And Replace

Exception number one to section R101.2 is deleted.
Exception number two to section R101.2 is repealed and replaced with one exception as follows:

**Exception:** Owner-occupied lodging houses with five or fewer guestrooms shall be permitted to be constructed in accordance with the Residential Code for One- and Two-family Dwellings of Boise City.

Repeal the exception and replace with the following:

**Exception:** The following shall also be permitted to be constructed in accordance with this code:

1. Owner-occupied lodging houses with five (5) or fewer guestrooms and ten (10) or fewer total occupants.
2. A care facility with five (5) or fewer persons receiving custodial care within a dwelling unit or single-family dwelling.
3. A care facility for five (5) or fewer persons receiving personal care that are within a dwelling unit or single-family dwelling.
4. A care facility with twelve (12) or fewer children receiving day care within a dwelling unit or single-family dwelling.

(Ord. 44-17, 12-19-2017, eff. 1-1-2018)

**9-1B-1025:** IRC One-And-Two-Family Dwelling Building Code Amendment, Section R102.7, Existing Structures

R102.7 Existing structures. The legal occupancy of any structure existing on the date of adoption of this code shall be permitted to continue without change, except as specifically covered in or required by this code, the International Existing Building Code, the International Fire Code, the Uniform Housing Code, the Dangerous Buildings Code of Boise City, or as may be deemed necessary by the building official in order to protect the general safety and welfare of the general public or occupants or the public. (Ord. 44-17, 12-19-2017, eff. 1-1-2018)

**9-1B-1036:** IRC One-And-Two-Family Dwelling Building Code Amendment, Section R103, Division Of Building Safety

Repeal section R103 in its entirety and replace with the following:

**SECTION R103**
DIVISION OF BUILDING SAFETY

R103.1 Creation of Enforcement Agency. The Division of Building Safety is hereby created and the official in charge thereof shall be known as the Planning and Development Services Director.
R103.2 Director. The Planning and Development Services Director shall be appointed by the Mayor with the consent of the Boise City Council.

R103.3 Agents. Authorized Agents of the Planning and Development Services Director shall be designated by the Planning and Development Services Director may designate authorized agents for the purpose of administering this code and this Chapter.

R103.4 Designations. The Planning and Development Services Director shall have the authority to designate the related technical officers, assistant building officials, inspection and plan review supervisors, plans examiners, inspectors and other employees within the Building Division. Such employees shall have such powers and authority as delegated by the Director.

R103.5 Division Manager, Building Official. The Planning and Development Services Director may appoint a Division Manager to head the Building Division, which shall be also known as the building official. The assistant building officials, inspection and plan review supervisors, inspectors, plans examiners and other employees located in the Building Division shall report to the building official.

R103.6 Building Damage Assessment and Reconstruction Plan. The Planning and Development Services Director shall have the authority to appoint the related technical officers, plans examiners, inspectors, individuals and other representatives from supporting jurisdictions to implement a building damage assessment and reconstruction plan in the event of calamitous events either natural or man-made. Such employees shall have such powers as delegated by the Director and protections as afforded by Section R104.8.

(Ord. 44-17, 12-19-2017, eff. 1-1-2018)

9-1B-1047: IRC One-And-Two-Family Dwelling Building Code Amendment, Section R104.10.1, Flood Hazard Areas

R104.10.1 Flood hazard areas. The Floodplain Administrator shall not grant modifications to any provision related to flood hazard areas established by Table R301.2(1) unless said modification conforms to the Variances and Appeals section in the Flood Hazard regulations of the Boise Development Code.

(Ord. 44-17, 12-19-2017, eff. 1-1-2018)

9-1B-1058: IRC One-And-Two-Family Dwelling Building Code Amendment, Section R105.2, Work Exempt From Permit

R105.2 Work exempt from permit. Exemption from the permit requirements of this code shall not be deemed to grant authorization for any work to be done in any manner in violation of the provisions of this code or any other laws or ordinances of this jurisdiction. Permits shall not be required for the following:

Building:
1. One-story detached accessory structures, provided the floor area does not exceed **two hundred (200) square feet (18.58 square meters)**.

2. Fences not exceeding **seven (7) feet (2134 mm) high in height**.

3. Retaining walls that are not exceeding **four (4) feet (1219 mm) in height measured from the bottom of the footing to the top of the wall, unless supporting a surcharge**.

4. Water tanks supported directly upon grade if the capacity does not exceed 5,000 gallons (18,927 L) and the ratio of height to diameter or width does not exceed 2 to 1.

5. Sidewalks and driveways not more than **thirty (30) inches (762 mm) above adjacent grade and not over any basement or story below**.

6. Painting, papering, tiling, carpeting, cabinets, counter tops, and similar finish work.

7. Prefabricated swimming pools that are not greater than four (4) feet (1219 mm) deep.

8. Swings and other playground equipment accessory to a one- or two-family dwelling.

9. Window awnings supported by an exterior wall which do not project more than **fifty-four (54) inches (1372 mm) from the exterior wall and do not require additional support**.

10. Work with a total value of five hundred dollars ($500.00) or less.

11. **Decks that are not more than twelve (12) inches above grade at any point and do not serve the exit door required by Section R311.4**.

12. Flag Poles.

(Ord. 44-17, 12-19-2017, eff. 1-1-2018)

9-1B-1069: IRC One-And-Two-Family Dwelling Building Code Amendment, Section R105.2.1, Emergency Repairs

**R105.2.1 Emergency Repairs.** Where equipment replacements and repairs must be performed in an emergency situation, the permit application shall be submitted within the next working business day or at such time as required by the Building Official.

(Ord. 44-17, 12-19-2017, eff. 1-1-2018)
9-1B-107: IRC One-And-Two-Family Dwelling Building Code Amendment, Section R105.2.2, Repairs

R105.2.2 Repairs. Application or notice to the building official is not required for ordinary repairs to structures, replacement of lamps, or the connection of approved portable electrical equipment to approved permanently installed receptacles. Such repairs shall not include the cutting away of any wall, partition, or portion thereof, the removal or cutting of any structural beam or load bearing support, or the removal or change of any required means of egress, or rearrangement of parts of a structure affecting the egress requirements; nor shall ordinary repairs include any addition to, alteration of, replacement, or relocation of any, gas piping, combustion vent, electric wiring, mechanical, or other work affecting public health or general safety.
(Ord. 44-17, 12-19-2017, eff. 1-1-2018)

9-1B-108: IRC One-And-Two-Family Dwelling Building Code Amendment, Section R105.3.1.1, Determination Of Substantially Improved Or Substantially Damaged Existing Buildings In Flood Hazard Areas

The first paragraph of section R105.3.1.1, determination of substantially improved or substantially damaged existing buildings in flood hazard areas, shall be amended to read as follows:

R105.3.1.1 Determination of substantially improved or substantially damaged existing buildings in flood hazard areas. For applications for reconstruction, rehabilitation, addition, or other improvement of existing buildings or structures located in an area prone to flooding as established by Table R301.2(1), the Boise City Floodplain Administrator or designee shall examine or cause to be examined the construction documents for the proposed work. For buildings that have sustained damage of from any origin, the value of the proposed work shall include the cost to repair the building or structure to its pre-damaged condition. If the Floodplain Administrator or designee finds that the value of the building or structure before the damage has occurred or the improvement is started, the proposed work is a substantial improvement or restoration of substantial damage and shall require existing portions of the entire building or structure to meet the requirements of R322. All substantially improved or reconstruction of existing structures shall be made in accordance with the Flood Hazard regulations of the Boise Development Code in addition to this code.
(Ord. 44-17, 12-19-2017, eff. 1-1-2018)

9-1B-109: IRC One-And-Two-Family Dwelling Building Code Amendment, Section R105.3.2, Time Limitation Of Application

R105.3.2 Time limitation of application. Applications for which no permit is issued within 180 calendar days following the date of receipt of the application shall expire by limitation, and plans and other data submitted for review may thereafter be returned to the applicant or destroyed by the building official or designee. The building official may extend the time for action by the applicant for a period not exceeding 180 calendar days upon request by of the applicant showing demonstrating that circumstances beyond the control of the applicant have prevented action from being taken. No
application shall be extended more than twice. In order to renew action on an
application after expiration, the applicant shall resubmit plans and pay a new plan
review fee. (Ord. 44-17, 12-19-2017, eff. 1-1-2018)

9-1B-11013: Irc IRC One-And-Two-Family Dwelling Building Code Amendment, Section
R105.5, Expiration

R105.5 Expiration. Every permit issued by the building official or designee under the
provisions of this code shall expire by limitation and become null and void if the building
or work authorized by such permit is not commenced within one calendar year from
the date of issuance of such permit, or if the building or work authorized by such permit
is suspended or abandoned at any time after the work is commenced for a period of
180 calendar days.

The timeframe by which a project shall be deemed to be suspended or abandoned if
no inspection has been requested shall be measured from the date of the last required
inspection or if no inspection has been required then a project shall be deemed to be
suspended one calendar year from the date of issuance the permit was issued.

Required inspections include: footing/foundation inspection, concrete slab or under-
floor inspection, lowest floor elevation inspection, framing inspection, lath or gypsum
board inspection, fire resistant penetration inspection, energy efficiency inspection, any
required special inspections, final inspections and any other inspections, other than
conference inspections, required by the building official. However, the building official
may extend a permit when where a good faith valid delay is explained or where a
reasonable effort toward code compliant work has been performed and that
significant some progress has occurred towards the next stage of inspection.

a. New Permit Required After Expiration. Before work on the site can be recommenced
after expiration, a new permit shall be first obtained to do so, and the fee therefor shall
be one half the amount required for a new permit provided no changes have been
made or will be made in to the original plans and specifications for such work, that the
work is still possible given current conditions, and that work has not been suspended or
abandoned for more than one year from the last required, recorded inspection. In such
cases, a new permit shall not be issued after expiration when the original review was
performed using a previously adopted code.

Exception: For all construction or structures governed only by this code, an
exception exists allowing the permit to be re-issued if requested in writing. This
exception applies until the City adopted a new version of the IRC building
code, then the applicant must apply for a new permit and the plans will be
subject to a new plan review process and related permit fees.

The building official shall have the authority to deny the new permit which utilizes the
requirements of the expired permit unless the permittee made an effort to complete
the project and for reasons beyond their control, and related to the project, resulted in
suspension or abandonment of the project. The permittee must provide a written report
on current status of construction which will include a request for an extension and a
timeframe for completion in order for the building official to renew the permit. The building official may also require documentation from a third party be provided by the permit applicant regarding the current state of the construction prior to issuance of a new permit.

b. Permit Extensions. Any permittee holding an unexpired permit may apply for an extension of the time within which work may commence under that permit, when the permittee is unable to commence work within the time required by this section. The building official may extend the time for action by the permittee for a period not exceeding 180 calendar days on written request by the permittee with written evidence provided demonstrating that a good faith effort to complete the project has been made and that reasons beyond the control of the permittee have resulted in a delay. Under no condition shall a permit be extended more than three times, for a total maximum time of three 180 calendar day extensions. Each 180-calendar day extension must be approved individually by the building official. (Ord. 44-17, 12-19-2017, eff. 1-1-2018)

9-1B-11114: IRC One-And-Two-Family Dwelling Building Code Amendment, Add Section R105.10, Permit Transfer

R105.10 Permit transfer. A building permit shall be transferable to another party if that party can provide a document signed by the original permit holder consenting to the transfer and that all agreements and conditions are incorporated into the original permit approval. A permit may also be transferred back to the property owner or owner's designated legal agent in cases where the property owner has terminated their legal relationship with their contractor or owner's designated legal agent. An clerical administrative fee for the transfer of the permit will be assessed for the work performed by city staff to facilitate the transfer. (Ord. 44-17, 12-19-2017, eff. 1-1-2018)

9-1B-11215: IRC One-And-Two-Family Dwelling Building Code Amendment, Section R106.1, Submittal Documents

Repeal section R106.1 in its entirety and replace with the following:

R106.1 Submittal documents. Two (2) sets of construction plans, special inspection, and structural observation programs, and other data as required by Boise City submittal checklists shall be submitted with each application for a permit. Plans for all townhouse construction with four (4) or more units attached shall be prepared, signed, and sealed by an architect licensed by the State of Idaho under section 54-309, Idaho Code, as amended.

Dwelling and townhouse units constructed in areas under the purview of the Hillside and Foothills Development Standards of the Boise Development Code, shall have foundation designs signed and sealed by a professional engineer licensed by the State of Idaho, and qualified in the engineering specialty involved. (Ord. 44-17, 12-19-2017, eff. 1-1-2018)
9-1B-11316: IRC One-And-Two-Family Dwelling Building Code Amendment, Section R107.1, Temporary Structures - General

R107.1 Temporary structures - General. The building official is authorized to issue a permit for temporary structures with temporary uses having an overnight stay. Such permits shall be limited as to time of service, but shall not be permitted for more than 180 calendar days or as otherwise stated in the permit. The building official is authorized to grant extensions for demonstrated cause. The building official is authorized to terminate such permit for a temporary structure or use and to order the temporary structure or use to be discontinued.

Approvals for other temporary structures and uses of not more than 180 calendar days that do not involve an overnight stay shall be regulated by the Boise Development Code and Fire Department. (Ord. 44-17, 12-19-2017, eff. 1-1-2018)

9-1B-11417: IRC One-And-Two-Family Dwelling Building Code Amendment, Section R107.3, Temporary Power

R107.3 Temporary power. The building official is authorized to give permission to temporarily supply and use power in part of an electric installation before such installation has been fully completed and the final certificate of completion has been issued. The part covered by the temporary certificate shall comply with the requirements specified for temporary lighting, heat, or power in the electrical code as adopted by the city of Boise City. (Ord. 44-17, 12-19-2017, eff. 1-1-2018)

9-1B-11518: IRC One-And-Two-Family Dwelling Building Code Amendment, Section R108.2, Schedule Of Permit Fees

R108.2 Schedule of permit fees. Building permit fees are to be charged assessed in accordance with the provisions of the Boise City Building Code Fee Schedule in Table No. 1-A contained in this code as adopted by the City Council, which will be kept on file at the Planning and Development Services permit counter, Boise City Clerk’s office, or on the Planning and Development Services website. All building permit fees shall be reviewed by the Building Code Board prior to adoption by City Council. (Ord. 44-17, 12-19-2017, eff. 1-1-2018)

9-1B-11619: IRC One-And-Two-Family Dwelling Building Code Amendment, Section R108.3, Building Permit Valuations

R108.3 Building permit valuations. The applicant for a permit shall provide an estimated permit value at time of application. Permit valuations shall include total value of work, including materials and labor, for which the permit is being issued, such as building, electrical, gas, mechanical, plumbing, equipment, and permanent systems. If, in the opinion of the building official, the valuation is underestimated on the application, the permit shall be denied, unless the applicant can show detailed estimates which meets the approval of the building official. The final building permit valuation shall be set by the building official. (Ord. 44-17, 12-19-2017, eff. 1-1-2018)
R108.5 Fee Refunds. The building official may authorize a refund of any fee paid hereunder which was erroneously paid or collected. The building official shall not authorize the refund of any fee, except upon written request by the original permittee or owner's representative made not later than 180 calendar days after payment.

The building official may authorize a refund of any fee paid which was erroneously paid or collected.

The building official may authorize a refund of 100 percent of the permit fee, less any administrative activity fees, paid when no work has been done commenced under a permit issued in accordance with this code.

The building official may authorize a refund of not more than 80 percent of the plan review fee paid when an application for a permit for which a plan review fee has been paid is withdrawn or canceled before any plan reviewing is done.

Third-party processing fees shall not be refunded.

The building official shall not authorize a refund of any fee paid except on written application filed by the original permittee or owner's representative not later than 180 days after the date of fee payment.

(Ord. 44-17, 12-19-2017, eff. 1-1-2018)

R108.6 Work commencing before permit issuance. Any person who commences any work on a building, structure, electrical, gas, mechanical, or plumbing system before obtaining the necessary permits shall be subject to a special investigation that shall be made before a permit may be issued for such work.

An special investigation fee, in addition to the permit fee, shall be collected whether or not a permit is then or subsequently issued. The special investigation fee shall be equal to the amount of the permit fee required by this code. The minimum special investigation fee shall be the same as the minimum fee set forth in accordance with the provisions of the Boise City Building Code Fee Schedule as adopted by the City Council. Table No. 1-A contained in this code The payment of such special investigation fee shall not exempt any person from compliance with all other provisions of this code nor from any penalty prescribed by law.

(Ord. 44-17, 12-19-2017, eff. 1-1-2018)

R109.1.3 Floodplain Inspections. For construction in flood hazard areas as established by
Table R301.2(1), in addition to the initial elevation certificate required at time of permit application, upon placement of the lowest floor, including basement, the building official or designee shall require submission of documentation, prepared by persons as specified in the Flood Hazard regulations of the Boise Development Code, of the elevation of the lowest floor, including basement, required in Section R322 prior to the request for a framing inspection. (Ord. 44-17, 12-19-2017, eff. 1-1-2018)

9-1B-12023: IRC One-And-Two-Family Dwelling Building Code Amendment, Section R109.4, Approval Required

R109.4 Approval required. Work shall not be performed beyond the point indicated in each successive inspection without first obtaining the approval of the building official. The building official or designee, upon notification, shall make the requested inspections and shall either indicate the portion of the construction that is satisfactory as completed, or shall notify the permit holder or an agent of the permit holder wherein the same work fails to comply with this code. Any work or portions thereof that does not comply shall be corrected and such portion shall not be covered or concealed until authorized by the building official. A final inspection and approval is required upon completion and prior to occupancy and use of all buildings and structures. (Ord. 44-17, 12-19-2017, eff. 1-1-2018)

9-1B-12124: IRC One-And-Two-Family Dwelling Building Code Amendment, Add Section R110.1.1, Certificate Of Completion

R110.1.1 Certificate of Completion. A Certificate of Completion may be issued in lieu of a Certificate of Occupancy when the scope of work of a permit does not affect, alter or change the occupant load, occupancy group, or occupancy use classification of a tenant space, structure, or portion of a structure. The work described within the scope of work of a permit is deemed to be complete and in substantial compliance with the applicable building and trade by the Planning and Development Services Department with adopted building codes when a final inspection has occurred and a Certificate of Completion has been issued. (Ord. 44-17, 12-19-2017, eff. 1-1-2018)

9-1B-25: IRC One-And-Two-Family Dwelling Building Code Amendment, Section R110.4, Temporary Occupancy

R110.4 Temporary occupancy. If the building official finds that no substantial hazard will result from occupancy of a building or portion thereof before the same is completed, a Temporary Certificate of Occupancy may be issued for the use of a portion or portions of a building or structure prior to the completion of the entire building or structure. A temporary occupancy may be issued for up to 90 calendar days. Multiple time extensions of a maximum of 90 calendar days each may be granted when requested in writing to the building official when a reasonable effort is demonstrated by the permit holder. In no case shall a temporary occupancy extend beyond two (2) years, unless the building official finds extenuating circumstances.
9-1B-12226: IRC One-And-Two-Family Dwelling Building Code Amendment, Section R111.1, Connection Of Service Utilities

R111.1 Connection of service utilities. Final inspection and approval is required upon completion of work and prior to occupancy or use of all buildings and structures for connection of service utilities. Lack of building official approval may result in the termination of utility services to said building or structure and prosecution under IRC Section R113.3 and the penalty provisions of this code.
(Ord. 44-17, 12-19-2017, eff. 1-1-2018)

9-1B-12327: IRC One-And-Two-Family Dwelling Building Code Amendment, Add Section R111.4, Authority to Disconnect Utilities For Occupancy Violations

R111.4 Authority of to disconnect utilities for occupancy violations. Whenever any building, structure, or equipment therein regulated by this code is being used contrary to the provisions of this code and/or other laws which are enforced by the city of Boise City, the building official may order such use discontinued and the structure, or portion thereof, vacated, and the utility services disconnected by notice served on any person causing such use to be continued. Such person shall discontinue the use or make the structure or portion thereof, comply with the requirements of this code, and/or other laws which are enforced by the city of Boise City, within a time period of thirty (30) calendar days of receipt of such notice or as designated required by the building official.
(Ord. 44-17, 12-19-2017, eff. 1-1-2018)

9-1B-12428: IRC One-And-Two-Family Dwelling Building Code Amendment, Section R112.1, Building Code Board Of Appeals, Add Section R112.1.1, Appeals To The Building Code Board Of Appeals And Add Section R112.1.2, Appeal Procedure

R112.1 Building Code Board of Appeals. In order to hear and decide appeals of orders, decisions, or determinations made by the building official with respect to the application and interpretation of this code, there shall be and There is hereby created a Building Code Board of Appeals hereinafter referred to as “the Board” which shall be composed consisting of ten (10) members and shall be appointed by the Mayor by and with the advice and consent of the City Council, including: Members of the Board shall include at least three (3) Idaho registered engineers; three (3) Idaho licensed architects; three (3) Idaho registered building contractors and one (1) person who owns or operates a fire sprinkler business, and are qualified by experience and training to pass upon matters pertaining to building construction, all of whom shall not be employees of the city of Boise City. Any member of the Board that fails to maintain a valid Idaho license or registration for their respective profession, shall be disqualified from serving on the Board.

Boise City residency of A at least five (5) of the members is required shall be residents of the city of Boise City. Members not residing in Boise City must reside within Ada County and transact conduct business in Boise City. The terms of office shall be four (4) years and if a vacancy occurs during an unexpired term, then the Mayor with the consent of the City Council shall appoint a member to fill the unexpired term. The Board shall
select one of its members as Chair. Members of the Board shall serve and act without compensation except that their actual and necessary expenses may be allowed by the City Council. The Secretary, who is hereby designated to be the building official or designated representative, shall keep a record of all meetings, appeals, hearings, and proceedings of the Board and shall perform all services that may otherwise be required.

The building official shall be an ex officio member of and shall act as secretary to said board but shall have no vote upon any matter before the board. The Board of Appeals shall be appointed for a term of four (4) years by the governing body and shall hold office at the pleasure of the Mayor and Boise City Council. The board may adopt rules of procedure for conducting its business and shall render all decisions and findings in writing to the appellant with a duplicate copy to the building official.

BOARD DUTIES

It shall be the responsibility and duty of the Board:

1. To recommend and submit to the Mayor and City Council any proposed amendments to this Chapter, or other applicable Chapters, which may govern the design, construction, installation, improvement, expansion, alteration, or repair of buildings or structures.

2. To recommend and submit to the Mayor and City Council any proposed standards for the quality and type of materials, fixtures, appliances, and devices used in, design or construction of buildings or structures.

3. To recommend and submit to the Mayor and City Council any proposed amendments to this Chapter, or other applicable Chapters, prescribing the standards and procedures for reviewing and inspecting buildings or structures.

4. To review upon written request, the administration and enforcement of the minimum standards, codes, regulations, procedures, and fees required by this Chapter, or other applicable Chapters, including appeals of any interpretations of this Chapter, or other applicable Chapters, or decisions made by the building official under this Chapter.

5. To also serve in capacity as the Fire Code Board of Appeals with the same authority, duties, process, and standard of review with the fire code official in place of the building official.

R112.1.1 APPEALS TO THE BUILDING CODE BOARD OF APPEALS

A. APPLICATION FOR APPEAL PROCESS

Any permit applicant for a permit, whose application has been rejected by the City, or any person who has been ordered by the City to modify, alter, remove, or install any building code provisions as required by this code Chapter may appeal that decision by
filing notice in writing with the City within ten (10) calendar days, thereafter, request an appeal by filing notice in writing with the building official. The building official or designee shall deliver such notice to the board. The appeal hearing shall be held within thirty (30) calendar days of receipt of the notice of appeal or as otherwise agreed upon by parties to the appeal and the City. At the hearing the Board may, by a majority vote, affirm, annul reverse or modify the action of the City. If the actions of the City are modified or annulled reversed, a permit shall be issued in accordance with the determination decision of the Board.

(Ord. 44-17, 12-19-2017, eff. 1-1-2018)

B. STANDARD OF REVIEW

The Board may: (1) modify or impose an alternative to requirements to those contained within this Chapter only when the appellant demonstrates that the requirements of this Chapter are impracticable and demonstrates that the modification or alternative provides at least an equivalent level of safety to that required under this Chapter, or (2) determines that the City erred in its interpretation or application of the code provisions.

B. C. APPEAL FEE

Any person appealing a decision of the City shall include payment of an appeal fee in an amount as established specified in the Boise City Building Code Fee Schedule as adopted by the Boise City Council, and listed on the most current fee schedule. In the event that the decision of the building official is reversed appellant prevails, then the appeal fee shall be refunded returned to the Appellant.

(Ord. 44-17, 12-19-2017, eff. 1-1-2018; amd. 2019 Code)

C. D. APPEAL TO CITY COUNCIL

Any order, decision, or ruling of the Board may be appealed, by filing notice in writing to the Boise City Council within ten (10) calendar days of such order, decision, or ruling.

R112.1.2 APPEAL PROCEDURE

The Building Code Board of Appeals may receive all evidence on appeal, in accordance with the following procedure:

A. The building official or designee shall first present background information on the appeal project in question, including relevant code sections and their interpretation and other information related to the activities or work performed related to the appeal. The Board may ask questions during or after each presentation.

B. Applicant The Appellant shall be allowed to may then present any information relevant to the appeal or applicable code sections to support a reversal of the building official's decision. The Appellant shall have up to twenty (20) minutes to present such evidence.

C. The Chair shall next open the hearing to receive public testimony. Each person
wishing to provide public testimony shall be given up to five (5) minutes to do so.

D. Following the close of public testimony, the building official or designee shall be allowed up to ten (10) minutes for rebuttal and any final comments.

E. The Appellant shall then have up to ten (10) minutes for rebuttal and any final comments.

F. The Chairman of the board may allocate equivalent additional time to the applicant Appellant and the building official or his designee if the additional time would aid the Board in its decision provided that both the Appellant and the building official receive an equal amount of time each.

G. Following the hearing, the Board may deliberate and render a final decision by a roll call vote, may request more information before a final decision is made, or may take the matter under advisement and reconvene at a reasonable time not to exceed fifteen (15) calendar days in order to make or render a final decision. The final decision shall be in writing and with a copy provided to the Appellant and any parties of record within ten (10) calendar days of rendering a final decision on the appeal. The decision by the Board may be appealed to the Boise City Council within ten (10) calendar days following the date of issuance of a written decision.

(Ord. 44-17, 12-19-2017, eff. 1-1-2018)

9-1B-12529: Irc IRC One-And-Two-Family Dwelling Building Code Amendment, Section R113.4, Criminal Penalties

Repeal Section R113.4 is repealed in its entirety and replaced as follows:

R113.4 Criminal Penalties. Any person, firm or corporation violating the provisions of this Code shall be deemed guilty of a misdemeanor, and upon conviction thereof shall be punished by a fine of not more than one thousand dollars ($1,000.00), by imprisonment for not more than one hundred eighty (180) days, or by both such fine and imprisonment. Each separate day or any portion thereof during which any violation of this Code occurs or continues shall be deemed to constitute a separate offense, and upon conviction thereof shall be punishable as herein provided.

A. In the discretion of the building official, the City may charge the offender with an infraction in lieu of a misdemeanor. The infraction shall be payable by a fine of three hundred dollars ($300.00). There shall be no right to a trial by jury for an infraction citation or complaint.

B. For purposes of trial by court or jury, the infraction described within this section shall not constitute a lesser included offense for any misdemeanor citation or complaint.

C. A prosecuting attorney may reduce a misdemeanor charge under this
Chapter to an infraction as described herein, payable by a $300 fine, if the defendant engages in corrective actions resulting in fully completed and permitted work.

(Ord. 44-17, 12-19-2017, eff. 1-1-2018)

9-1B-12630: Irc IRC One-And-Two-Family Dwelling Building Code Amendment, Section R114, Stop Work Order

Repeal section R114 in its entirety and replace with the following:

Section R114
STOP WORK ORDER

R114.1 Authority. Whenever the building official finds any work regulated by this code being performed in a manner contrary to the provisions of this code or in a dangerous or unsafe manner, the building official is authorized to issue a stop work order.

R114.2 Issuance. The stop work order shall be in writing and shall be given to the owner of the property involved, or to the owner's agent, or to the person doing the work. Upon issuance of a stop work order, the cited work shall immediately cease. The stop work order shall state the reason for the order, and the conditions under which the work in question will be permitted to resume.

R114.3 Unlawful Continuance. Any person that continues any work after having been served with a stop work order, except such work as that person is directed to perform to remedy a violation or unsafe condition, shall be subject to penalties as prescribed by law.

(Ord. 44-17, 12-19-2017, eff. 1-1-2018)

9-1B-12731: Irc IRC One-And-Two-Family Dwelling Building Code Amendment, Add Section R115, Unsafe Structures And Equipment And Section R115.1, Conditions

SECTION R115
UNSAFE STRUCTURES AND EQUIPMENT

R115.1 Conditions. Structures or existing equipment deemed unsafe shall be taken down and removed or made safe in accordance with provisions of the Uniform Code for the Abatement of Dangerous Buildings as adopted under by the Dangerous Buildings Code of Boise City.

Notwithstanding any other provisions of this code, whenever, in the opinion of the building official, there is an imminent danger due to an unsafe condition, the building official shall have authority to summarily order temporary safeguard work to be performed in order to render the structure temporarily safe or to warn the public of the dangerous condition. The temporary safeguard work required may include, but shall not be limited to placement of placards or signage, erecting barrier tape, barricades, or fencing, securing openings, or other means as the code building official deems
necessary to address such emergency.
(Ord. 44-17, 12-19-2017, eff. 1-1-2018)

9-1B-12832: IRC One-And-Two-Family Dwelling Building Code Amendment, Section R202, Definition For Townhouse

TOWNHOUSE. A single-family dwelling unit constructed in a row of attached units separated by property lines and with open space on at least two sides.
(Ord. 44-17, 12-19-2017, eff. 1-1-2018)

9-1B-12933: IRC One-And-Two-Family Dwelling Building Code Amendment, Table R301.2(1), Climactic And Geographic Design Criteria

Local climatic and geographic design criteria for Table R301.2(1) shall be as follows:

**TABLE R301.2(1)**

**CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA**

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>GROUND SNOW LOAD</td>
<td>20 PSF</td>
</tr>
<tr>
<td>Design roof load shall not be less than a uniform snow load of 25 psf.</td>
<td></td>
</tr>
<tr>
<td>WIND DESIGN SPEED</td>
<td>90 mph</td>
</tr>
<tr>
<td>Wind speed from the basic wind speed map [Figure R301.2(4)A]. Wind exposure category shall be determined in accordance with Section R301.2.1.4</td>
<td></td>
</tr>
<tr>
<td>WIND DESIGN TOPOGRAPHIC EFFECTS</td>
<td>NO</td>
</tr>
<tr>
<td>In accordance with Section R301.2.1.5</td>
<td></td>
</tr>
<tr>
<td>SEISMIC DESIGN CATEGORY</td>
<td>C</td>
</tr>
<tr>
<td>In accordance with Section R301.2.2.1</td>
<td></td>
</tr>
<tr>
<td>WEATHERING</td>
<td>Severe</td>
</tr>
<tr>
<td>As determined from the Weathering Probability Map [Figure R301.2(3)]. The grade of masonry units shall be determined from ASTM C34, C55, C62, C73, C90, C129, C145, C216 or C652.</td>
<td></td>
</tr>
<tr>
<td>FROST LINE DEPTH</td>
<td>24 inches</td>
</tr>
<tr>
<td>TERMITE</td>
<td>Slight to Moderate</td>
</tr>
<tr>
<td>Based on history of local subterranean termite damage.</td>
<td></td>
</tr>
<tr>
<td>WINTER DESIGN TEMP</td>
<td>10 degrees F</td>
</tr>
<tr>
<td>The outdoor design dry-bulb temperature shall be selected from the columns of 97 1/2 percent values for winter from Appendix D of the International Plumbing Code or as determined by the Building Official.</td>
<td></td>
</tr>
<tr>
<td>ICE BARRIER UNDER LAYMENT REQUIRED</td>
<td>NO</td>
</tr>
<tr>
<td>In accordance with Sections R905.2.7.1, R905.4.3.1, R905.5.3.1, R905.6.3.1, R905.7.3.1 and...</td>
<td></td>
</tr>
</tbody>
</table>
R905.8.3.1, where there has been a history of local damage from the effects of ice damming.


**AIR FREEZING INDEX**: 894

Based on the 100-year return period air freezing index (BF-days) from Figure R403.3(2) or from the 100-year (99%) value on the National Climatic Data Center data table "Air Freezing Index-USA Method (Base 32° Fahrenheit)" at www.ncdc.noaa.gov/fpsf.html.

**MEAN ANNUAL TEMP**: 51.1 degrees F

Based on the mean annual temperature from the National Climatic Data Center data table "Air Freezing Index-USA Method (Base 32°F)" at www.ncdc.noaa.gov/fpsf.html.

**MANUAL J DESIGN CRITERIA**:

- **Elevation**: 2867
- **Latitude**: 44 deg. N.
- **Winter heating**: 11 deg.
- **Summer cooling**: 95 deg.
- **Altitude correction factor**: .98
- **Indoor design temperature**: Heating-70 deg.
- **Design temperature cooling**: 75 deg.
- **Heating temperature difference**: 60 deg.
- **Cooling temperature difference**: 20 deg.
- **Wind velocity heating**: 15.0
- **Wind velocity cooling**: 7.5
- **Daily range**: High
- **Coincident wet bulb**: 63 deg.
- **Summer humidity**: 50%
- **Winter humidity**: 50%

Footnotes published underneath Table R301.2(1) in the code are applicable.

(Ord. 44-17, 12-19-2017, eff. 1-1-2018)

**9-1B-34: IRC One-And-Two-Family Dwelling Building Code Amendment, Section R301.2.1.2, Protection Of Openings, Is Deleted**

Section R301.2.1.2, Protection of Openings, is deleted.
Table R302.1(1) shall be amended as follows:

### TABLE R302.1(1) EXTERIOR WALLS

<table>
<thead>
<tr>
<th>Exterior Wall Element</th>
<th>Minimum Fire-Resistance Rating</th>
<th>Minimum Fire Separation Distance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Walls</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fire-resistance rated</td>
<td>1 hour-tested in accordance with ASTM E119, or UL 263, or Section 703.3 of the International Building Code with exposure from both sides</td>
<td>&lt;3 feet</td>
</tr>
<tr>
<td>Not fire-resistance rated</td>
<td>0 hours</td>
<td>≥3 feet</td>
</tr>
<tr>
<td>Projections</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fire-resistance rated</td>
<td>1 hour on the underside, or heavy timber, or fire retardant-treated wood&lt;sub&gt;a,b&lt;/sub&gt;</td>
<td>≥2 feet to &lt;3 feet</td>
</tr>
<tr>
<td>Not fire-resistance rated</td>
<td>0 hours</td>
<td>≥3 feet</td>
</tr>
<tr>
<td>Openings in walls</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Not allowed 25% maximum of wall area</td>
<td>N/A</td>
<td>&lt;3 feet</td>
</tr>
<tr>
<td>0 hours</td>
<td>≥3 feet to &lt;5 feet</td>
<td></td>
</tr>
<tr>
<td>Unlimited</td>
<td>0 hours</td>
<td>5 feet</td>
</tr>
<tr>
<td>Penetrations</td>
<td></td>
<td></td>
</tr>
<tr>
<td>All</td>
<td>Comply with Section R302.4</td>
<td>&lt;3 feet</td>
</tr>
<tr>
<td>None required</td>
<td></td>
<td>≥3 feet</td>
</tr>
</tbody>
</table>

For SI: 1 foot = 304.8 mm.
N/A = Not Applicable.

a. Roof eave: The fire-resistance rating shall be permitted to be reduced to zero (0) hours on the underside of the eave overhang if fireblocking is provided from the wall top plate to the underside of the roof sheathing.
b. **Roof eave.** The fire-resistance rating shall be permitted to be reduced to zero (0) hours on the underside of the eave rake overhang provided that where gable vent openings are not installed.

(Ord. 44-17, 12-19-2017, eff. 1-1-2018)

**9-1-131: Irc Building Code Amendment, Section R302.2, Townhouses, Exceptions**

The exceptions to section R302.2 shall be deleted and replaced with two (2) exceptions as follows:

______ Exceptions:

______ 1. When provided with an automatic fire sprinkler system pursuant to section R313.1, a common 1-hour fire-resistance-rated wall assembly tested in accordance with ASTM E 119 or UL 263 is permitted for townhouses if such walls do not contain plumbing or mechanical equipment, ducts, or vents in the cavity of the common wall. The wall shall be rated for fire exposure from both sides and shall extend to and be tight against exterior walls and the underside of the roof sheathing. Penetrations of electrical outlet boxes shall be constructed in accordance with Section R302.4.

______ 2. Two (2) 1-hour fire-resistance rated wall assemblies (as specified in Section R302.1) or a common 2-hour fire-resistance rated wall assembly tested in accordance with ASTM E 119 or UL 263 are permitted for townhouses. If two (2) 1-hour fire-resistance rated walls are used, plumbing and electrical installations within the wall cavity shall conform to fire-resistance penetration requirements in accordance with section R302.4 through R302.4.2 for each of the two (2) 1-hour rated walls penetrated. The 2-hour fire-resistance rated common wall shall not contain plumbing or mechanical equipment, ducts or vents within its wall cavity. The wall shall be rated for fire exposure from both sides and shall extend to and be tight against the exterior walls and the underside of the roof sheathing. Penetrations of electrical outlet boxes shall be constructed in accordance with section R302.4.

(Ord. 44-17, 12-19-2017, eff. 1-1-2018)

**9-1B-13236: Irc IRC One-And-Two-Family Dwelling Building Code Amendment, Section R303.4, Mechanical Ventilation**

Repeal section R303.4 and replace with the following:

R303.4 Mechanical ventilation. Dwelling units shall be provided with whole-house mechanical ventilation in accordance with Section M1507.3 M1505.4.

(Ord. 44-17, 12-19-2017, eff. 1-1-2018)

**9-1B-13337: Irc IRC One-And-Two-Family Dwelling Building Code Amendment, Section R309.3, Flood Hazard Areas**
R309.3 Flood Hazard Areas. All construction within flood hazard areas shall be designed and constructed in accordance with the Flood Hazard regulations of the Boise Development Code in addition to this code. For buildings located in flood hazard areas as established by Table R301.2(1), garage floors shall be:

1. Elevated to or above the design flood elevation as determined in accordance with Section R322; or

2. Located below the design flood elevation provided that the floors are at or above grade on not less than one side, are used solely for parking, building access, or storage, meet the requirements of Section R322 and are otherwise constructed in accordance with this code.

(Ord. 44-17, 12-19-2017, eff. 1-1-2018)

9-1B-13438: IRC IRC One-And-Two-Family Dwelling Building Code Amendment, Section R313.1, Townhouse Automatic Fire Sprinkler Systems Exception

The exception to section R313.1 shall be modified as follows:

Exception. Automatic residential fire sprinkler systems shall not be required in townhouses where either two (2) 1-hour fire-resistance rated walls or a common two-hour fire-resistance rated wall, as specified in Exception item number 2 of section R302.2.2, is installed between dwelling units or when additions or alterations are made to existing townhouses that do not have an automatic residential fire sprinkler system installed.

(Ord. 44-17, 12-19-2017, eff. 1-1-2018)

9-1B-13539: IRC IRC One-And-Two-Family Dwelling Building Code Amendment, Section R313.2, One- And Two-family Dwellings Automatic Fire Sprinkler Systems, Is Deleted

R313.2 One- And Two-Family Dwellings Automatic Fire Sprinkler Systems. Is Deleted.

(Ord. 44-17, 12-19-2017, eff. 1-1-2018)

9-1B-40: IRC One-And-Two-Family Dwelling Building Code Amendment, Section R314.2.2, Alterations, Repairs And Additions, Exceptions

Repeal the exceptions of section R314.2.2 Alterations, repairs and additions, and replace as follows:

1. Work involving the exterior surfaces of dwellings, such as, but not limited to, replacement of roofing or siding, or the addition or replacement of windows or doors, or the addition of a porch or deck, or electrical permits, are exempt from the requirements of this section.

2. Installation, alteration, or repairs of plumbing, or mechanical systems are exempt from the requirements of this section.
Repeal the exceptions 2 of section R315.2.2 Alterations, repairs and additions, and replace as follows:

1. Work involving the exterior surfaces of dwellings, such as, but not limited to, replacement of roofing or siding, or the addition or replacement of windows or doors, or the addition of a porch or deck, or electrical permits, are exempt from the requirements of this section.

2. Installation, alteration, or repairs of electrical, non-combustion plumbing, or mechanical systems are exempt from the requirements of this section.

(Ord. 44-17, 12-19-2017, eff. 1-1-2018)
2. In areas of shallow flooding (AO Zones), buildings and structures shall have the lowest floor (including basement) elevated to a height above the highest adjacent grade of not less than the depth number specified in feet on the FIRM plus what is required in the Flood Hazard regulations of the Boise Development Code.

3. Basement floors that are below grade on all sides shall be elevated to or above base flood elevation plus what is required in the Flood Hazard regulations of the Boise Development Code.

**Exception:** Enclosed areas below the design flood elevation, including basements with floors that are not below grade on all sides, shall meet the requirements of Section R322.2.2 and as required in the Flood Hazard regulations of the Boise Development Code.

9-1B-45: IRC One-And-Two-Family Dwelling Building Code Amendment, Section R322.2.2, Enclosed Area Below Design Flood Elevation, Subparagraph 2.1

Repeal subparagraph 2.1 of Section R322.2.1, Enclosed area below design flood elevation and replace as follows:

2.1 The total net area of all openings shall be at least one (1) square inch for each square foot of enclosed area, or the opening shall be designed and the construction documents shall include a statement that the design and installation of the openings will provide for the equalization of hydrostatic flood forces on exterior walls by allowing the automatic entry and exit of floodwaters.

9-1B-46: IRC One-And-Two-Family Dwelling Building Code Amendment, Table R403.1(1)
**Minimum Width And Thickness For Concrete Footings For Light-Frame Construction.**

Table R403.1(2) Minimum Width And Thickness For Concrete Footings For Light-Frame Construction With Brick Veneer, Table R403.1(3) Minimum Width And Thickness For Concrete Footings With Cast-In-Place Or Fully Grouted Masonry Wall Construction, And Table R403.4 Minimum Depth (D) And Width (W) Of Crushed Stone Footings, are hereby deleted.

Table R403.1(1) Minimum Width And Thickness For Concrete Footings For Light-Frame Construction, Table R403.1(2) Minimum Width And Thickness For Concrete Footings For Light-Frame Construction With Brick Veneer, Table R403.1(3) Minimum Width And Thickness For Concrete Footings With Cast-In-Place Or Fully Grouted Masonry Wall Construction, and Table R403 Minimum Depth (D) and Width (W) Of Crushed Stone Footings, are hereby deleted.

9-1B-47 IRC One-And-Two-Family Dwelling Building Code Amendment, Add Table R403.1, Minimum Width Of Concrete, Precast, Or Masonry Footings

Add Table R403.1, Minimum Width Of Concrete, Precast, Or Masonry Footings as follows:
<table>
<thead>
<tr>
<th>LOAD-BEARING VALUE OF SOIL (psf)</th>
<th>1,500</th>
<th>2,000</th>
<th>3,000</th>
<th>≥ 4,000</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Conventional light-frame construction</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1-Story</td>
<td>12</td>
<td>12</td>
<td>12</td>
<td>12</td>
</tr>
<tr>
<td>2-Story</td>
<td>15</td>
<td>12</td>
<td>12</td>
<td>12</td>
</tr>
<tr>
<td>3-Story</td>
<td>23</td>
<td>17</td>
<td>12</td>
<td>12</td>
</tr>
<tr>
<td><strong>4-inch brick veneer over light-frame or 8-inch hollow concrete masonry</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1-Story</td>
<td>12</td>
<td>12</td>
<td>12</td>
<td>12</td>
</tr>
<tr>
<td>2-Story</td>
<td>21</td>
<td>16</td>
<td>12</td>
<td>12</td>
</tr>
<tr>
<td>3-Story</td>
<td>32</td>
<td>24</td>
<td>16</td>
<td>12</td>
</tr>
<tr>
<td><strong>8-inch solid or fully grouted masonry</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1-Story</td>
<td>16</td>
<td>12</td>
<td>12</td>
<td>12</td>
</tr>
<tr>
<td>2-Story</td>
<td>29</td>
<td>21</td>
<td>14</td>
<td>12</td>
</tr>
<tr>
<td>3-Story</td>
<td>42</td>
<td>32</td>
<td>21</td>
<td>16</td>
</tr>
</tbody>
</table>

For SI: 1 inch = 25.4mm, 1 pound per square foot = 0.0479 kPa.
a. Where minimum footing width is twelve (12) inches, use of a single wythe of solid or fully grouted twelve (12) inch nominal concrete masonry units is permitted.

9-1B-48 IRC One-And-Two-Family Dwelling Building Code Amendment, Section R403.1.1, Minimum Size

Repeal Section R403.1.1, Minimum size, and replace as follows:

R403.1.1 Minimum size. Minimum sizes for concrete and masonry footings shall be as set forth in Table R403.1 and Figure R403.1(1). The footing width (W) shall be based on the load bearing value of the soil in accordance with Table R401.4.1. Spread footings shall be at least six (6) inches in thickness (T). Footing projections (P) shall be at least two (2) inches and shall not exceed the thickness of the footing. The size of footings supporting piers and columns shall be based on the tributary load and allowable soil pressure in accordance with Table R401.4.1. Footings for wood foundations shall be in accordance with the details set forth in Section R403.2 and Figures R403.1(2) and R403.1(3).

9-1-138: Irc Building Code Amendment, Table R602.7.5, Minimum Number Of Full Height Studs At Each End Of Headers In Exterior Walls
Delete table R602.7.5 Minimum Number of Full Height Studs at Each End of Headers in Exterior Walls and replace with the following table:

**TABLE R602.7.5**
**MINIMUM NUMBER OF FULL HEIGHT STUDS AT EACH END OF HEADERS IN EXTERIOR WALLS**

<table>
<thead>
<tr>
<th>MAXIMUM HEADER SPAN (in feet)</th>
<th>ULTIMATE DESIGN WIND SPEED AND EXPOSURE CATEGORY</th>
<th>&lt;140 MPH, Exposure B or &lt;130 MPH, Exposure C</th>
<th>&lt;115 MPH Exposure B</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>1</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>2</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>2</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>3</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>3</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>3</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>4</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>4</td>
<td>2</td>
<td></td>
</tr>
</tbody>
</table>

a. For header spans in between those values given in the Table, use the minimum number of full height studs associated with the next highest span value.

b. The tabulated minimum number of full height studs is applicable where jack studs are provided to support the header at each end in accordance with Table R602.7.(1). Where a framing anchor is used to support the header in lieu of a jack stud in accordance with footnote d of Table R602.7(1), the minimum number of full height studs at each end of the header shall be in accordance with requirements for wind speed < 140 MPH, Exposure B.

(Ord. 44-17, 12-19-2017, eff. 1-1-2018)

9-1B-13949: IRC IRC One-And-Two-Family Dwelling Building Code Amendment, Section R602.10, Wall Bracing

**R602.10 Wall bracing.** Buildings shall be braced in accordance with this section or, when applicable, section R602.12 or the most current version of APA System Report SR-102 at the time of application for a permit as an alternate method. Where a building, or portion thereof, does not comply with one or more of the bracing requirements in this section, those portions shall be designed and constructed in accordance with section R301.1. (Ord. 44-17, 12-19-2017, eff. 1-1-2018)
9-1-14050: IRC IRC One-And-Two-Family Dwelling Building Code Amendment, Section R903.1, General Roof Covering

R903.1 General. Roof decks shall be covered with approved roof coverings secured to the building or structure in accordance with the provisions of this chapter. Roof coverings shall be designed, installed, and maintained in accordance with this code and the approved manufacturer's installation instructions such that the roof covering shall serve to protect the building or structure. Roof covering requirements for hillside and Wildland Urban Interface areas are to be as regulated by the Fire Prevention Code, of the Boise City Municipal Code. (Ord. 44-17, 12-19-2017, eff. 1-1-2018)

9-1-141: IRC Building Code Amendment, Table N1102.1.2, Insulation And Fenestration Requirements By Component, Add Footnotes J And K

Add footnote j to the title of table N1102.1.2 - Insulation and Fenestration Requirements by Component. Add footnote j underneath table N1102.1.2 after footnote i to read as follows:

j. For residential log home building thermal envelope construction requirements see section N1102.6.

Add footnote k to the Ceiling R-Value header of table N1102.1.2, and below table N1102.1.2 to read as follows:

k. The Ceiling R-Value in Climate Zone 5 may be reduced to R-38 when the Wood Frame Wall R-Value is increased to R-21 and the Fenestration U-Factor is reduced to 0.31.
(Ord. 44-17, 12-19-2017, eff. 1-1-2018)

9-1-142: IRC Building Code Amendment, Table N1102.4.1.1, Air Barrier And Insulation Installation

Add the criteria requirement for the “fireplace” component of table N1102.4.1.1 Air Barrier and Insulation Installation as follows:

TABLE N1102.4.1.1 (R402.4.1.1) AIR BARRIER AND INSULATION INSTALLATION

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>CRITERIA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fireplace</td>
<td>An air barrier shall be installed on fireplace walls.</td>
</tr>
</tbody>
</table>

(Ord. 44-17, 12-19-2017, eff. 1-1-2018)

9-1-143: IRC Building Code Amendment, Section N1102.4.1.2, Testing

N1102.4.1.2 (R402.4.1.2) Testing. The building or dwelling unit shall be tested and verified as having an air leakage rate not exceeding five air changes per hour in Climate Zones
and four air changes per hour in Climate Zones 3 through 8. Testing shall be conducted in accordance with ANSI/RESNET/ICC 380 and reported at a pressure of 0.2 inches w.g. (50 Pascals). Where required by the building official, testing shall be conducted by an approved third party. A written report of the results of the test shall be signed by the party conducting the test and provided to the building official. Testing shall be performed at any time after creation of all penetrations of the building thermal envelope. (Ord. 44-17, 12-19-2017, eff. 1-1-2018)

9-1-144: Irc Building Code Amendment, Add Section N1102.6, Residential Log Home Thermal Envelope

N1102.6 Residential Log Home Thermal Envelope. Residential log home construction shall comply with sections N1101 (General), N1102.4 (Air Leakage), N1102.5 (Maximum Fenestration U-Factor and SHGC), N1103.1 (Controls), N1103.3.2 (Sealing), N1103.3.5 (Building Cavities), sections N1103.4 through N1103.11 (referred to as the mandatory provisions), Section N1104 (Electrical Power and Lighting Systems), and either subsection i., ii., or iii. as follows:

— i. Sections N1102.2 through N1102.3, N1103.3.1, N1104.1 and Table N1102.6;

— ii. Section N1105 Simulated Performance Alternative (Performance); or

— iii. REScheck (U.S. Department of Energy Building Codes Program).

(Ord. 44-17, 12-19-2017, eff. 1-1-2018)

9-1-145: Irc Building Code Amendment, Add Table N1102.6, Log Home Prescriptive Thermal Envelope Requirements By Component

<table>
<thead>
<tr>
<th>TABLE N1102.6</th>
</tr>
</thead>
<tbody>
<tr>
<td>LOG HOME PRESCRIPTIVE THERMAL ENVELOPE REQUIREMENTS BY COMPONENT</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Climate Zone</th>
<th>Fenestration U-Factor</th>
<th>Skylight U-Factor</th>
<th>Glazed Fenestration SHGC</th>
<th>Ceiling R-Value</th>
<th>Min. Average LOG Size In Inches</th>
<th>Floor R-Value</th>
<th>Basement Wall R-Value &amp; Depth</th>
<th>Slab R-Value &amp; Depth</th>
<th>Crawlspace Wall R-Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>High efficiency equipment path</td>
<td>0.32</td>
<td>0.60</td>
<td>NR</td>
<td>49</td>
<td>5</td>
<td>30</td>
<td>15/19</td>
<td>10.4 ft.</td>
<td>10/13</td>
</tr>
</tbody>
</table>

5-6-high efficiency equipment path
<table>
<thead>
<tr>
<th>Climate Zone</th>
<th>Fenestration U-Factor</th>
<th>Skylight U-Factor</th>
<th>Glazed Fenestration SHGC</th>
<th>Ceiling R-Value</th>
<th>Min. Average LOG Size in Inches</th>
<th>Floor R-Value</th>
<th>Basement Wall R-Value</th>
<th>Slab R-Value &amp; Depth</th>
<th>Crawl Space Wall R-Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>0.32</td>
<td>0.60</td>
<td>NR</td>
<td>49</td>
<td>8</td>
<td>30</td>
<td>10/13</td>
<td>10, 2 ft.</td>
<td>10/13</td>
</tr>
</tbody>
</table>

For SI = 1 foot = 304.8 mm

a. The fenestration U-factor column excludes skylights. The SHGC column applies to all glazed fenestration.
b. R-5 shall be added to the required slab edge R-values for heated slabs.
c. 90% AFUE natural gas or propane, 84% AFUE oil, or 15 SEER heat pump heating equipment (zonal electric resistance heating equipment such as electric base board electric resistance heating equipment as the sole source for heating is considered compliant with the high efficiency equipment path).
d. “15/19” means R-15 continuous insulated sheathing on the interior or exterior of the home or R-19 cavity insulation at the interior of the basement wall. “15/19” shall be permitted to be met with R-13 cavity insulation on the interior of the basement wall plus R-5 continuous insulated sheathing on the interior or exterior of the home. “10/13” means R-10 continuous insulated sheathing on the interior or exterior of the home or R-13 cavity insulation at the interior of the basement wall. (Ord. 44-17, 12-19-2017, eff. 1-1-2018)

9-1-146: IRC Building Code Amendment, Section N1103.3.3, Duct Testing (mandatory)

N1103.3.3 (R403.3.3) Duct testing (Mandatory). Ducts shall be pressure tested in accordance with ANSI/RESNET/ICC 380 to determine air leakage by one of the following methods:

1. Rough-in test: Total leakage shall be measured with a pressure differential of 0.1 inch w.g. (25 Pa) across the system, including the manufacturer’s air handler enclosure if installed at the time of the test. All registers shall be taped or otherwise sealed during the test.

2. Postconstruction test: Total leakage shall be measured with a pressure differential of 0.1 inch w.g. (25 Pa) across the entire system, including the manufacturer’s air handler enclosure. Registers shall be taped or otherwise sealed during the test.
**Exception:** A duct air leakage test shall not be required where the ducts and air handlers are located entirely within the building thermal envelope. A written report of the results of the test shall be signed by the party conducting the test and provided to the code official. (Ord. 44-17, 12-19-2017, eff. 1-1-2018)

9-1-147: Irc Building Code Amendment, Section N1106.3, Energy Rating Index

N1106.3 (R406.3) Energy rating index. The Energy Rating Index (ERI) shall be determined in accordance with ANSI/RESNET/ICC 301. (Ord. 44-17, 12-19-2017, eff. 1-1-2018)

9-1-148: Irc Building Code Amendment, Delete Section N1106.3.1, Eri Reference Design

N1106.3.1 ERI Reference Design. Delete. (Ord. 44-17, 12-19-2017, eff. 1-1-2018)

9-1-149: Irc Building Code Amendment, Table N1106.4, Maximum Energy Rating Index

The Energy Rating Index value for Climate Zone 5 shall be amended to read as follows:

**TABLE N1106.4 (R406.4)**

MAXIMUM ENERGY RATING INDEX

<table>
<thead>
<tr>
<th>CLIMATE ZONE</th>
<th>ENERGY RATING INDEX</th>
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<td>6+</td>
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</table>

(Ord. 44-17, 12-19-2017, eff. 1-1-2018)

9-1-150: Irc Building Code Amendment, Section N1106.5, Verification By Approved Agency

N1106.5 Verification by approved agency. Verification of compliance with Section N1106 shall be completed by a third-party approved in accordance with ANSI/RESNET/ICC 301. (Ord. 44-17, 12-19-2017, eff. 1-1-2018)

9-1-151: Irc Building Code Amendment, Section N1106.6, Documentation

N1106.6 (R406.6) Documentation. Documentation of the software used to determine the ERI and the parameters for the residential building shall be in accordance with Sections N1106.6.1 through N1106.6.5. (Ord. 44-17, 12-19-2017, eff. 1-1-2018)

9-1-152: Irc Building Code Amendment, Section N1106.6.1, Compliance Software Tools

N1106.6.1 (R406.6.1) Compliance software tools. Software tools used for determining the ERI shall be Approved Software Rating Tools in accordance with ANSI/RESNET/ICC 301. (Ord. 44-17, 12-19-2017, eff. 1-1-2018)
9-1-153: Irc Building Code Amendment, Add Section N1106.6.4, Specific Approval

N1106.6.4 (R406.6.4) Specific approval. Performance analysis tools meeting the applicable sections of Section N1106 shall be approved. Documentation demonstrating the approval of performance analysis tools in accordance with Section N1106.6.1 shall be provided to the code official. (Ord. 44-17, 12-19-2017, eff. 1-1-2018)

9-1-154: Irc Building Code Amendment, Add Section N1106.6.5, Input Values

N1106.6.5 (R406.6.5) Input values. When calculations require input values not specified by Sections N1102, N1103, N1104 and N1105, those input values shall be taken from ANSI/RESNET/ICC 301. (Ord. 44-17, 12-19-2017, eff. 1-1-2018)

9-1-155: Irc Building Code Amendment, Delete Section N1106.7, Calculation Software Tools, Including Subsections N1106.7.1, Minimum Capabilities, N1106.7.2, Specific Approval And N1106.7.3, Input Values

N1106.7 Calculation Software Tools. Delete including subsections N1106.7.1, Minimum Capabilities, N1106.7.2, Specific Approval and N1106.7.3, Input Values. (Ord. 44-17, 12-19-2017, eff. 1-1-2018)

9-1-156: Irc Building Code Amendment, Chapter 44, Referenced Standards

The following referenced standards shall be added into chapter 44 of the code as follows:

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<tr>
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<th>Title</th>
<th>Referenced in code-section number</th>
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(Ord. 44-17, 12-19-2017, eff. 1-1-2018)

9.1.157: Irc Building Code Amendment, Add Appendix V, Tiny Homes

Add an additional appendix titled Appendix V Tiny Homes into the code with sections and provisions as follows:

SECTION AV101
GENERAL

AV101.1 Scope. This appendix shall be applicable to tiny houses used as single dwelling units. Tiny houses shall comply with this code except as otherwise stated in this appendix.

SECTION AV102
DEFINITIONS

AV102.1 General. The following words and terms shall, for the purposes of this appendix, have the meanings shown herein. Refer to Chapter 2 of this code for general definitions.

Escape and Rescue Roof Access Window. A skylight or roof window designed and installed to satisfy the emergency escape and rescue opening requirements in Section R310.

Landing Platform. A landing provided as the top step of a stairway accessing a loft.

Loft. A floor level located more than 30 inches (762 mm) above the main floor and open to it on at least one side with a ceiling height of less than 6 feet 8 inches (2032 mm), used as a living or sleeping space.
Tiny House. A dwelling that is 400 square feet (37 m) or less in floor area excluding lofts.

SECTION AV103
CEILING HEIGHT

AV103.1 Minimum Ceiling Height. Habitable space and hallways in tiny houses shall have a ceiling height of not less than 6 feet 8 inches (2032 mm). Bathrooms, toilet rooms, and kitchens shall have a ceiling height of not less than 6 feet 4 inches (1930 mm). Obstructions shall not extend below these minimum ceiling heights including beams, girders, ducts, lighting and other obstructions.

Exception: Ceiling heights in lofts are permitted to be less than 6 feet 8 inches (2032 mm).

SECTION AV104
LOFTS

AV104.1 Minimum loft area and dimensions. Lofts used as a sleeping or living space shall meet the minimum area and dimension requirements of Sections AV104.1.1 through AV104.1.3.

AV104.1.1 Minimum area. Lofts shall have a floor area of not less than 35 square feet (3.25 m).

AV104.1.2 Minimum dimensions. Lofts shall be not less than 5 feet (1524 mm) in any horizontal dimension.

AV104.1.3 Height effect on loft area. Portions of a loft with a sloping ceiling measuring less than 3 feet (914 mm) from the finished floor to the finished ceiling shall not be considered as contributing to the minimum required area for the loft.

Exception: Under gable roofs with a minimum slope of 6:12, portions of a loft with a sloping ceiling measuring less than 16 inches (406 mm) from the finished floor to the finished ceiling shall not be considered as contributing to the minimum required area for the loft.

AV104.2 Loft access. The access to and primary egress from lofts shall be any type described in Sections AR104.3 through AR104.6.

AV104.3 Stairways. Stairways accessing lofts shall comply with this code or with Sections AR104.3.1 through AR104.3.6.

AV104.3.1 Width. Stairways accessing a loft shall not be less than 17 inches (432 mm) in clear width at or above the handrail. The minimum width below the handrail shall be not less than 20 inches (508 mm).

AV104.3.2 Headroom. The headroom in stairways accessing a loft shall be not less than
6 feet 2 inches (1880 mm), as measured vertically, from a sloped line connecting the tread or landing platform nosings in the middle of their width.

--- Exception: The headroom for a landing platform, where stairways access lofts, shall be not less than 4 feet 6 inches (1372 mm).

**AV104.3.3 Treads and Risers.** Risers for stairs accessing a loft shall be not less than 7 inches (178 mm) and not more than 12 inches (305 mm) in height. Tread depth and riser height shall be calculated in accordance with one of the following formulas:

1. The tread depth shall be 20 inches (508 mm) minus 4/3 of the riser height, or
2. The riser height shall be 15 inches (381 mm) minus 3/4 of the tread depth.

**AV104.3.4 Landing Platforms.** The top tread and riser of stairways accessing lofts shall be constructed as a landing platform where the loft ceiling height is less than 6 feet 2 inches (1880 mm) where the stairway meets the loft. The landing platform shall be 18 inches to 22 inches (457 to 559 mm) in depth measured from the nosing of the landing platform to the edge of the loft, and 16 to 18 inches (406 to 457 mm) in height measured from the landing platform to the loft floor.

**AV104.3.5 Stairway Handrails.** Handrails shall comply with Section R311.7.8.

**AV104.3.6 Stairway Guards.** Guards at open sides of stairways shall comply with Section R312.1.

**AV104.4 Ladders.** Ladders accessing lofts shall comply with Sections AV104.4.1 and AV104.4.2.

**AV104.4.1 Ladder Size and capacity.** Ladders accessing lofts shall have a rung width of not less than 12 inches (305 mm) and 10 inches (254 mm) to 14 inches (356 mm) spacing between rungs. Ladders shall be capable of supporting a 200 pound (90.7 kg) load on any rung. Rung spacing shall be uniform within 3/8-inch (9.5 mm).

**AV104.4.2 Ladder Incline.** Ladders shall be installed at 70 to 80 degrees from horizontal.

**AV104.5 Alternating tread devices.** Alternating tread devices accessing lofts shall comply with section R311.7.11, including the subsections, of this code. The clear width at and below the handrails shall be not less than 20 inches (508 mm).

**AV104.6 Ships Ladders.** Ships ladders accessing lofts shall comply with section R311.7.12, including the subsections, of this code. The clear width at and below handrails shall be not less than 20 inches (508 mm).

**AV104.7 Loft Guards.** Loft guards shall be located along the open side of lofts. Loft guards shall not be less than 36 inches (914 mm) in height or one-half of the clear height to the ceiling, whichever is less.
SECTION AV105
EMERGENCY ESCAPE AND RESCUE OPENINGS

AV105.1 General. Tiny houses shall meet the requirements of Section R310 for emergency escape and rescue openings.

Exception: Escape and rescue roof access windows in lofts used as sleeping rooms shall be deemed to meet the requirements of Section R310 where installed such that the bottom of the opening is not more than 44 inches (1118 mm) above the loft floor, provided the escape and rescue roof access window complies with the minimum opening area requirements of Section R310.

(Ord. 44-17, 12-19-2017, eff. 1-1-2018)

9-1B-51: Addition Of Grading Provisions Related to One-And-Two-Family Dwellings

Where determined to be applicable, such as for hillside sites or fill sites, grading, excavation and earthwork construction, including fills and embankments, shall be regulated by Appendix J Grading of the International Building Code as adopted by the Building Code of Boise City.

9-1B-15852: Addition Of Minimum Standards For Modular Non-HUD Structures And Manufactured Pre-HUD Structures

Modular non-HUD structures to be occupied within the city of Boise City shall adhere to the following:

All new manufactured (modular) (non-HUD) structures must bear the insignia from the State of Idaho Division of Building Safety and shall only be allowed to be occupied for the use listing on the insignia.

To gain approval for an existing (modular) (non-HUD) structure, the structure must undergo procedures as required by the State of Idaho Division of Building Safety and must bear the insignia prior to being allowed to be occupied for the use listed on the insignia, except for pre-HUD mobile homes constructed prior to June 15, 1976, which shall comply with the Mobile Home Rehabilitation Act, Title 44, Chapter 25, Idaho Code prior to occupancy.

Manufactured pre-HUD structures to be occupied within the city of Boise City shall adhere to the following:

All pre-HUD manufactured homes constructed prior to June 15, 1976, shall comply with the Mobile Home Rehabilitation Act, Title 44, Chapter 25, of Idaho Code prior to occupancy.

(Ord. 44-17, 12-19-2017, eff. 1-1-2018)

9-1B-15953: Fire Sprinkler And Alternative Extinguishing Systems Permits, Plan Review, Inspections, And Fees
A. Approval Required: Fire sprinkler and alternative extinguishing systems plans and associated required submittals, as required by the International Fire Code and sprinkler system design standard(s), shall be permitted and approved by the Planning and Development Services and the Fire Departments, with fees assessed and paid for, before any related work begins.

B. Fees Assessed: The plan review and inspection fees shall be assessed in accordance with the provisions of the Boise City Building Code Fee Schedule as adopted by the City Council, which will be kept on file at the Planning and Development Services permit counter, Boise City Clerk’s office, or on the Planning and Development Services website. All permit fees shall be reviewed by the Building Code Board prior to adoption by City Council, as follows: (Ord. 47-17, 12-19-2017, eff. 1-1-2018)

1. A plan review fee in an amount established by the Boise City Council and listed on the most current fee schedule shall be assessed for fire sprinkler systems and paid to the Planning and Development Services Department. Two (2) sprinkler heads (directly above and below) on an armored shall be considered as one sprinkler head for fee purposes.

2. When the installation of sprinkler heads or nozzles are not involved or insignificant due to the type of work being permitted, a plan review fee in an amount established by the Boise City Council and listed on the most current fee schedule equivalent to a percentage of the total bid price shall be assessed, up to a maximum fee in an amount established by the City Council and listed on the most current fee schedule (whichever is larger), and paid to the Planning and Development Services Department. (Ord. 44-17, 12-19-2017, eff. 1-1-2018; amd. 2019 Code)

C. Work Requiring Permit: Permits shall be issued for the following work:

1. New fire sprinkler and alternative extinguishing systems;

2. Additions, modifications, and changes to existing fire sprinkler and alternative extinguishing systems, underground lines, and/or associated equipment.

3. All fees shall be paid in full when the permit is issued. (Ord. 44-17, 12-19-2017, eff. 1-1-2018)

D. Additional Other Inspection, Plan Review, and Administrative Fees: The permit fee shall cover the cost of two (2) three (3) plan reviews and two (2) field inspections for each inspection category. An additional hourly rate fee in an amount established by the Boise City Building Code Fee Schedule as adopted by the City Council and listed on the most current fee schedule per review shall may be assessed, beginning with after the third review, on re-submittals of denied plans and/or calculations. An additional fee or hourly rate fee in an amount established by the Boise City Building Code Fee Schedule as adopted by the City Council and listed on the most current fee schedule shall may be assessed charged per hour for each reinspections, after hours.
inspections, or other additional field inspections performed because of noncompliance by the owner or the owner’s agent. (Ord. 44-17, 12-19-2017, eff. 1-1-2018; amd. 2019 Code)

E. Plan Modifications: Plan modification revisions submitted for approval after a permit and approved plans have been issued, shall be charged the normal permit assessed the additional plan review hourly rate fee, plus the fee based on the number of sprinklers or nozzles affected by the modification.

F. Application Submittal Documents Package: All project plans and other data as required by Boise City submittal’s checklists shall accompany be submitted with a completed fire sprinkler permit application package, available from Boise City’s Planning and Development Services Department. (Ord. 44-17, 12-19-2017, eff. 1-1-2018)

9-1B-16054: Fire Alarm System Permits, Plan Review, Fees And Inspections, And Fees For Existing Buildings And Alarm Alterations

A. Approval Required: Fire alarm system plans and associated submittals, as required by the International Fire Code and alarm system design standard(s), shall be permitted and approved by the Planning and Development Services and Boise City the Fire Department, with fees assessed and paid for, before any related fire alarm system work begins.

B. Fees Assessed: The plan review and inspection fees shall be assessed in accordance with the provisions of the Boise City Building Code Fee Schedule as adopted by the City Council, which will be kept on file at the Planning and Development Services permit counter, Boise City Clerk’s office, or on the Planning and Development Services website. All permit fees shall be reviewed by the Building Code Board prior to adoption by City Council, as follows: (Ord. 44-17, 12-19-2017, eff. 1-1-2018)

A plan review fee consisting of a base fee with an additional fee per alarm initiating device in an amount established by the Boise City Council and listed on the most current fee schedule, shall be assessed for fire alarm systems and paid to the Planning and Development Services Department. (Ord. 44-17, 12-19-2017, eff. 1-1-2018; amd. 2019 Code)

C. Work Requiring Permit: Permits shall be issued for the following work:

1. New fire alarm systems in existing buildings;

2. Additions, modifications, and changes to existing fire alarm systems, fire suppression connections, related supplies, and/or equipment.

3. All fees shall be paid in full when the permit is issued. (Ord. 44-17, 12-19-2017, eff. 1-1-2018)

D. Additional Other Inspection, Plan Review, and Administrative Fees: The permit fee shall cover the cost of two (2) three (3) plan reviews and two (2) field inspections for
each inspection category. An additional hourly rate fee in an amount established by the Boise City Building Code Fee Schedule as adopted by the City Council and listed on the most current fee schedule per review shall may be assessed beginning with after the third review, on re-submittals of denied plans and/or calculations. An additional fee or hourly rate fee in an amount established by the Boise City Building Code Fee Schedule as adopted by the City Council and listed on the most current fee schedule may be assessed charged per hour for each reinspections, after hours inspections, or other additional field inspections performed because of noncompliance by the owner or the owner's agent. (Ord. 44-17, 12-19-2017, eff. 1-1-2018; amd. 2019 Code)

E. Plan Modifications: Plan modification revisions submitted for approval after a permit and approved plans have been issued, shall be charged the normal permit assessed the additional plan review hourly rate fee, plus the fee based on the number of fire alarm initiating devices affected by the modification.

F. Application Submittal Documents Package: All Project plans and other data as required by Boise City submittals checklists shall accompany be submitted with a completed fire alarm permit application, package available from Boise City's Planning and Development Services Department permit counter. (Ord. 44-17, 12-19-2017, eff. 1-1-2018)