

City of Bozeman, Building Division

Code Changes Effective March 1, 2020

Note: This list addresses some common areas and is not intended to be a complete list of all the 2018 code revisions.

2018 IFGC

503.4.1: The code now calls for the plastic vent pipe material to be labeled as complying with the standards for the specific pipe material as called out by the manufacturer.

International Residential Code

R408.3 Unvented crawl space.

Ventilation openings in under-floor spaces specified in Sections R408.1 and R408.2 shall not be required where the following items are provided:

1. Exposed earth is covered with a continuous Class I vapor retarder. Joints of the vapor retarder shall overlap by 6 inches (152 mm) and shall be sealed or taped. The edges of the vapor retarder shall extend not less than 6 inches (152 mm) up the stem wall and shall be attached and sealed to the stem wall or insulation.
2. One of the following is provided for the under-floor space:
 - 2.1. Continuously operated mechanical exhaust ventilation at a rate equal to ***1 cubic foot per minute for each 50 square feet of crawl space floor area**, including an air pathway to the common area (such as a duct or transfer grille), and perimeter walls insulated in accordance with Section N1102.2.11 of this code.
 - 2.2. *Conditioned air* supply sized to deliver at a rate equal to ***1 cubic foot per minute for each 50 square feet of under-floor area**, including a return air pathway to the common area (such as a duct or transfer grille), and perimeter walls insulated in accordance with Section N1102.2.11 of this code.
 - 2.3. Plenum in existing structures complying with Section M1601.5, if under-floor space is used as a plenum.
 - 2.4. Dehumidification sized to provide 70 pints (33 liters) of moisture removal per day for every 1,000 square feet (93 m²) of *crawl space* floor area.

Note: ***Third Party CFM Documentation Required. (Blower Door Tester can document this)**

R314.3.1: Smoke alarms must be interlocked when alterations are made.

R315: Carbon monoxide alarms must be interlocked when alterations are made.

R324.6: provide access around PV systems for firefighters

R324.6.2.2: Maintain clear access for emergency escape and rescue openings from PV panels.

R403.1.6: Anchor bolts are to be placed in the middle third of the sill plate.

R408.3: A dehumidifier is added to the list as an option for unventilated crawlspaces.

R502 through 509: New prescriptive design and tables for decks.

Table R602.3 (1): Revised/expanded fastening schedule.

Table R602.7.5: New table requirements for extra king studs.

R602.10.6.2: Changes to PFH portal frame with hold-downs, 2 plates not 3, 3500# hold-down rather than 4200#.

R610.3: Structural insulated panels are not allowed prescriptively in seismic design category D, must be engineered.

R1005.8: Insulation shield required around factory built chimneys.

R506.2.3 Vapor retarder. *(This is not a new code... but many contractors are not aware of this requirement)*

A 6-mil polyethylene or *approved* vapor retarder with joints lapped not less than 6 inches shall be placed between the concrete floor slab and the base course or the prepared subgrade where a base course does not exist.

Exception: The vapor retarder is not required for the following:

1. Garages, utility buildings and other unheated *accessory structures*.
2. For unheated storage rooms having an area of less than 70 square feet and carports.
3. Driveways, walks, patios and other flatwork not likely to be enclosed and heated at a later date.
4. Where *approved* by the Building Official, based on local site conditions.

➔ New Inspection- Underfloor Framing

Underfloor inspection to be requested, completed and approved prior to placing subfloor.

IBC 110.3.2 Concrete slab and under-floor inspection.

Concrete slab and under-floor inspections shall be made after in-slab or under-floor reinforcing steel and building service equipment, conduit, piping accessories and other ancillary equipment items are in place, but before any concrete is placed or floor sheathing installed, including the subfloor.

IRC R109.1.5 Other Inspections.

In addition to inspections in Sections 109.1.1 through 109.1.4, the Building Official shall have the authority to make or require any other inspections to ascertain compliance with this code and other laws enforced by the Building Official.

Examples of common underfloor frame code violations.

