

ORDINANCES OF THE CITY OF HELENA, MONTANA

ORDINANCE NO. 3204

AN ORDINANCE AMENDING CHAPTER 2 OF TITLE 3 OF THE HELENA CITY CODE (BUILDING AND INTERNATIONAL RESIDENTIAL CODES)

BE IT ORDAINED BY THE COMMISSION OF THE CITY OF HELENA,

MONTANA:

That Chapter 2 of Title 3 of the Helena City Code is hereby amended as follows:

CHAPTER 2

BUILDING AND INTERNATIONAL RESIDENTIAL CODES

SECTION:

- 3-2- 1: Building Code
- 3-2- 2: Reserved
- 3-2- 3: Reserved
- 3-2- 4: International Energy Conservation Code
- 3-2- 5: Evidence Of Rights Of Way
- 3-2- 6: Plans And Specifications
- 3-2- 7: Inspections Required
- 3-2- 8: Certificate Of Occupancy
- 3-2- 9: Residential Code
- 3-2-10: Access To Structures; Water And Sewer Connections Required
- 3-2-11: International Existing Building Code

3-2-1: BUILDING CODE:

- A. The city hereby adopts by reference and as amended in this chapter, the ~~2009~~ 2012 edition of the International Building Code (IBC) with only the following optional appendix chapter:
 - 1. Appendix Chapter C Group U B Agricultural Buildings.
- B. The ~~2009~~ 2012 International Building Code is further amended as follows:

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1. **CHAPTER 1 ADMINISTRATION:**

a. Section **101.4 Referenced codes.** is amended by adding: "Any reference to a separate specialty code, by title, either in this subsection or elsewhere in this code, shall be considered as deleted and replaced with the title of the model code adopted and in effect at the time."

b. Section **101.4.3 Plumbing.** is amended by deleting "International Plumbing Code" and replacing it with "Uniform Plumbing Code" and further deleting the last sentence that reads "The provisions of the International Private Sewage Disposal Code shall apply to private sewage disposal systems."

c. Section **101.4.4 Property maintenance.** is deleted in its entirety.

d. Section **101.4.5 Fire prevention.** is amended by deleting "International Fire Code" and replacing it with "fire code adopted by the city of Helena."

e. Section **105.1.1 Annual permit.** is amended by deleting the entire section and replacing it with: "At the discretion of the building official, a single annual permit may be issued for multiple buildings owned by a single entity, located in a single geographic location, which require similar and repetitive repair, restoration and maintenance work."

f. Section **107.3.1 Approval of construction documents.** is amended by adding: "When the building official issues the permit where plans are required, the building official shall approve the construction documents, with corrections as required, or with adequate written resolution of deficiencies noted in plan review comments."

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2. **CHAPTER 3 USE AND OCCUPANCY CLASSIFICATION:**

a. Section **312.1 Utility and Miscellaneous Group U.** is amended by adding: "Riding arenas limited to occupant loads of 200 or less and used for boarding, breeding and training of horses, horse shows and competitions, clinics and rider instruction, and open riding are considered agricultural buildings subject to the provisions of Appendix Chapter C as hereafter amended. Uses such as rodeos, barn dances, craft and other non-livestock shows, conventions and similar events resulting in large numbers of spectators or occupants are not allowed in riding arenas classified as agricultural buildings."

3. **APPENDIX C GROUP U B AGRICULTURAL BUILDINGS:**

a. Section **C101.1 Scope.** is amended by adding: "9. Riding arenas as defined in amended subsection 312.1."

b. Section **C104.1 Exit facilities.** is amended by adding the following to Exception 2.: "The portion of riding arena buildings where riding will occur or where spectators may be present or seating is provided shall have a minimum of four exits directly to the outside, with the exits located in a manner acceptable to the building official and that enhance exiting from spectator areas. Exits from this portion of the building shall not be provided with a latch or lock unless it is panic hardware."

c. Section **C104.1 Exit facilities.** is amended by adding the following after Exception 2.: "3. Exit doors for riding arenas may not be less than 3 feet wide by 6 feet 8 inches high."

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4. **CHAPTER 9 FIRE PROTECTION SYSTEMS:**

a. In new or existing structures, the building official may allow the installation of non-code compliant equipment, facilities or structural elements including, but not limited to, fire-extinguishing (sprinkler) systems or fire-resistive construction, which are not required by the Building Code, upon the finding that such installation does not negatively impact the overall compliance of the structure with the Building Code.

b. Section **901.2 Fire protection systems Exception:** is amended by deleting the section and replacing it with: "Any fire protection system or portion thereof not required by this Code shall be permitted to be installed for partial or complete protection at the discretion of the Building official."

~~e. Section **903.2.7** is amended by deleting condition 4 and replacing it with: "A group M occupancy is used for the display and sale of upholstered furniture which exceeds 2500 square feet of display and sales area."~~

~~c.~~ Section **903.2.8 Group R:** is amended by deleting the section and replacing it with: "An approved automatic sprinkler system installed in accordance with Section 903.3 shall be provided in all Group R buildings meeting any of the following criteria:

- i. ~~169~~ or more transient guests or ~~105~~ or more transient guestrooms;
- ii. ~~169~~ or more occupants in other than dwelling units;
- iii. ~~85~~ or more dwelling units; or

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iv. more than 2 stories.

In lieu of the above required automatic sprinkler system in buildings not more than three stories above the lowest level of exit discharge, each transient guestroom may be provided with at least one door leading directly to an exterior exit access that leads directly to the approved exits. >Transient guest= for the purpose of this subsection shall mean an occupant who is primarily transient in nature, staying at one location for 30 days or less."

ed. Section **903.3.5 Inadequate water supply.** is amended by adding: "This section shall apply to buildings which are required by the IBC to be provided with an automatic fire extinguishing system and do not have access to an existing multiple user water supply system, such as a municipal water supply system or a private community water supply system, capable of providing the water supply requirements of the National Fire Protection Association Standard for the Installation of Sprinkler Systems, ~~2007~~ 2010 edition (NFPA 13). Under such circumstances, water storage requirements may be modified by the building official. The modified design shall include sufficient storage on site to operate the hydraulically remote area for the response time of the local fire department. Response time is the time from alarm to the time the fire department can apply water to the fire and is established by use of the formula $T = 6.5 \text{ minutes (mobilization time) + 1.7 minutes/mile } D \text{ (travel time)}$, where T is response time, in minutes, and D is distance, in miles,

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from the fire station to the building. The modified water supply shall be sufficient to operate the system for the response time calculated above but shall not be less than 20 minutes. Water supply requirements shall be established by using the area/density method as defined in NFPA 13. A reduction in water storage of up to 50 percent, but not less than is required for a 20-minute supply, is allowed. All automatic fire sprinkler system designs and components shall be in compliance with NFPA 13. When a modified water storage is allowed, the automatic fire sprinkler system must be equipped with a flow alarm, digital alarm communicator transmitter and a fire department connection. The automatic fire sprinkler system shall be monitored by an approved central station in accordance with NFPA 72, National Fire Alarm Code, ~~2007~~ 2010 edition."

f. ~~Section 907.2.8.1 Manual Fire Alarm System is amended with the addition of the following: "Exception 3: A manual fire alarm system is not required in buildings with five or fewer guestrooms or 10 or fewer guests where the building does not exceed two stories in height and is equipped with multiple-station smoke alarms installed in accordance with section 907.2.11."~~

g. The standards referenced in **CHAPTER 9 FIRE PROTECTION SYSTEMS** for fire-extinguishing systems and standpipe systems are the following National Fire Protection Association (NFPA) Standards:

- i. Installation of Sprinkler Systems: NFPA 13 Standard for the Installation of Sprinkler Systems, ~~2007~~ 2010 edition.

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ii. Installation of Sprinkler Systems in Group R Occupancies Four Stories or Less: NFPA 13R Standard for the Installation of Sprinkler Systems in Residential Occupancies up to and Including Four Stories in Height, ~~2007~~ 2010 edition.

iii. Standpipe Systems: NFPA 14 Standard for the Installation of Standpipe and Hose Systems, ~~2007~~ 2010 edition.

~~h~~f. Not withstanding any other provisions or references to the contrary within the NFPA standards, the authority having jurisdiction over any fire protection system required by the IBC shall be the building official.

5. **CHAPTER 10 MEANS OF EGRESS:** Section **1018.1 Corridors.** is amended by adding:

a. "Upgrading of corridors in existing E occupancies serving an occupant load of 30 or more, may have walls and ceilings of not less than one-hour fire-resistive construction as required by this code. Existing walls surfaced with wood lathe and plaster in good condition or 2 inch gypsum wallboard or openings with fixed wire glass set in steel frames are permitted for corridor walls and ceilings and occupancy separations when approved. Doors opening into such corridors shall be protected by 20-minute fire assemblies or solid wood doors not less than 1: (45 mm) inches thick. Where the existing frame will not accommodate the 1: inch thick door, a 1d inch thick solid bonded wood core door or equivalent insulated steel door shall be permitted. Doors shall be self-closing or automatic closing by smoke detection. Transoms and openings other than doors from corridors to rooms shall comply

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with this code or shall be covered with a minimum of : inch plywood or 2 inch gypsum wallboard or equivalent material on the room side. **Exception:** Existing corridor walls, ceilings and opening protection not in compliance with the above may be continued when such buildings are protected with an approved automatic fire sprinkler system throughout. Such sprinkler system may be supplied from the domestic water system if it is of adequate volume and pressure."

b. For "R" occupancies that are exempt from the requirements of a fire sprinkler system pursuant to 3-2-1B4c, Table 1018.1 referenced in section 1018.1, is amended by deleting the language "Not Permitted" occurring under the heading "Required Fire-Resistive Rating (hours) - Without sprinkler system" for "R" occupancies with an occupant load served by a corridor of greater than ten. Under that same location where "Not Permitted" is deleted, "1" is inserted, which will require those corridors to have one-hour fire-resistive ratings."

6. **CHAPTER 13 ENERGY EFFICIENCY:** Section **1301.1.1** is amended by deleting it and replacing it with: "In order to comply with the purpose of this subsection, buildings shall be designed to comply with the requirements of the International Energy Conservation Code as adopted in '3-2-4."

7. **CHAPTER 16 STRUCTURAL DESIGN:** Section **1608.2 Ground Snow Loads.** is amended by deleting the entire section and replacing it with: "Snow loads shall be determined by the building official. The minimum design roof snow load after allowed reductions shall be 30 pounds per square foot (psf) unless justified by a Montana licensed design professional to the

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satisfaction of the building official. Coefficients and factors other than those specified in the building code may be used when justified by a Montana licensed design professional to the satisfaction of the building official.”

8. **CHAPTER 29 PLUMBING SYSTEMS:** No change.

9. Reserved.

10. Sections 3107 and 3109. No change.

11. Chapter 33. No change.

12. No change.

13. No change.

14. No change.

15. No change.

16. No change.

17. No change.

18. No change.

19. No change.

20. No change.

21. This section only applies to buildings that fall under the additional provision of Title 18, MCA. A building must meet the requirements of Title 18, MCA, in addition to the requirements of Title 50, MCA, if it is owned by the state or one of its political subdivisions. The definition of public building in §50-60-101, MCA, does not apply for purposes of this section only, but does apply for purposes of every other section of this rule.

2122. The requirement of Title 18, MCA, is as follows:
Construction documents for 'public buildings' owned by the state and its political subdivisions as outlined by '18-2-122, MCA, shall bear the seal of a design professional. The

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building official may waive the requirements for a design professional seal for minor projects such as storage sheds and minor renovations, which do not have a direct bearing on the public health and safety. ~~In addition, t~~The requirement for the seal of a design professional may be waived for projects for which documentation has been submitted, including but not limited to, a letter from the attorney for the local jurisdiction where the project is located, which supports a conclusion that the scope of the project does not have the potential to have a direct bearing on public health and safety.

~~22. 'Public building' as used in '18-2-122, MCA, refers only to the buildings owned by the state and its political subdivisions for the purposes of requiring a design professional=s seal, and does not include privately owned buildings as included in the definition of a 'public building' in '50-60-101, MCA.~~

23. No change.

24. No change.

25. No change.

26. No change.

27. No change. (Ord. 3134, 10-18-2010; amd. Ord. _____, ___-___-2015)

3-2-2: **APPLICABILITY:** No change.

3-2-3: **RESERVED:** (Ord. 3017, 3-28-2005)

3-2-4: **ENERGY CODE:** The purpose of the international energy conservation code is to provide minimum requirements for the design of new buildings and structures and additions to existing

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buildings, regulating their exterior envelopes and selection of their heating, ventilating, air conditioning, service water heating, electrical distribution and illuminating systems, and equipment for effective use of energy. The ~~2009~~ 2012 edition of the international energy conservation code is hereby adopted and amended by the city and by this reference made a part hereof. This code is available for public inspection at the office of the clerk of the city commission.

Sections C103.1 and R103.1, General, ~~is~~ are deleted and replaced with the following: No change.

Sections C104.2 and R104.2, Required Approvals, remains undeleted and available for use by certified local governments using the code.

Sections C202 and R202, General Definitions, the definition for "air barrier" is deleted and replaced with a new definition for "air barrier" as follows:

"Air Barrier: Material(s) assembled and joined together to provide a barrier to air leakage through and into the building envelope. An air barrier may be a single material or a combination of materials."

~~(d)~~ Table R402.1.1, Insulation And Fenestration Requirements By Component, is amending ~~footnote e~~ requirements for climate zone "6" and ~~is adding footnote k as follows~~ as shown below in the table:

~~Footnotes: "c." "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. "10/19" means R-10 continuous insulated sheathing on the interior or exterior of the home or R-19 cavity insulation at the interior of the basement wall.~~

~~"k." Fenestration U-factor is 0.33 after January 1, 2010."~~

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Climate Zone	Fenestration <i>U</i> -Factor(b)	Skylight(b) <i>U</i> -Factor	Glazed Penetration SHGC(b,d)	Ceiling <i>R</i> -Value	Wood Framed Wall <i>R</i> -Value
6	0.35(k) 0.33(l) <u>0.32</u>	0.60 <u>0.55</u>	NR	49	21 or 13+5(h) <u>21 or 13+10(h)</u>

Mass Wall <i>R</i> -Value(i)	Floor <i>R</i> -Value	Basement(c) Wall <i>R</i> -Value	Slab(b) <i>R</i> -Value & Depth	Crawl Space Wall(c) <i>R</i> -Value
15/19 <u>15/20</u>	30(g)	15/19	10, 4 ft	10/19 <u>15/19</u>

(e) Table R402.1.3, EQUIVALENT *U*-FACTORS, is amending requirements as shown below in the table:

Climate Zone	Fenestration <i>U</i> -Factor	Skylight <i>U</i> -Factor	Ceiling <i>U</i> -Factor	Frame Wall <i>U</i> -Factor	Mass Wall <i>U</i> -Factor	Floor <i>U</i> -Factor	Basement Wall <i>U</i> -Factor	Crawl Space Wall <i>U</i> -Factor
6	0.32	0.55	0.026	0.048 <u>0.054</u>	0.060	0.033	0.050	0.055

Subsection R402.2.2, Ceilings Without Attic Spaces, is deleted and replaced with the following:

"Where section R402.1.1 would require insulation levels above R-30 and the design of the roof/ceiling assembly does not allow sufficient space for the required insulation, the minimum required insulation for such roof/ceiling assemblies shall be R-30. This reduction of insulation from the requirements of section R402.1.1, shall be limited to 250 square feet or ten percent of the total insulated ceiling area, whichever is less. This reduction shall not apply to the

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U-factor alternative approach in section R402.1.3, and the total UA alternative in section R402.1.4."

Subsection R402.2.910, Crawl Space Walls, is deleted and replaced with the following: No change.

Subsection ~~402.4.2.1~~ R402.4.1.2, Testing ~~Option~~, is deleted and replaced with the following:

~~"Building envelope tightness and insulation installation shall be considered acceptable when tested air leakage is less than four air changes per hour (ACH), when tested with a blower door at a pressure of 33.5 psf (50 Pa). Testing shall occur after rough in and after installation of penetrations of the building envelope, including penetrations for utilities, plumbing, electrical, ventilation and combustion appliances. The building or dwelling unit shall be tested and verified as having an air leakage rate of not exceeding 4 air changes per hour in Climate Zone 6. Testing shall be conducted with a blower door at a pressure of 0.2 inches w.g. (50 Pascals). Where required by the code official, testing shall be conducted by an approved 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. The requirements of testing found in Subsection R402.4.1.2 will not be mandatory until one (1) year following the final adoption of this rule. Buildings or dwelling units issued a building permit by a code official prior to this testing becoming required shall not be required to perform testing under Subsection R402.4.1.2. During testing:~~

"(i) through v)" No change.

"(vi) "B" or "L" vents, combustion air vents, and dryer vents shall be sealed; and

"(vii) HVAC ducts shall not be sealed; and

~~"(viii) supply and return registers shall not be sealed."~~

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Subsection R403.2.2, Sealing (Mandatory). Delete the existing 2. found beneath, "duct tightness shall be verified by either of the following:" and replace the existing 1. with the following:

Postconstruction test: Leakage to the outside of a condition space or total leakage shall be less than or equal to four cfm per 100 square feet of conditioned floor area when tested at a pressure differential of 0.1 inches w.g. across the entire system, including the manufacturer's air handler enclosure. All register boots shall be taped or otherwise sealed during the test.

Exception: The duct tightness testing is not required for ducts and air handlers located entirely within the building thermal envelope.

Subsection R403.2.3, Building Cavities, is deleted in its entirety- And replaced with: "Building framing cavities shall not be used as supply ducts."

Subsection R403.4.2 Hot water pipe insulation (Prescriptive), is amended as follows:

Delete item number 3, delete item number 9, delete Table R403.4.2 and the text, "All remaining piping shall be insulated to at least R-3 or meet the run length requirements of Table R403.4.2".

Table R405.5.2(1) SPECIFICATIONS FOR THE STANDARD REFERENCE AND PROPOSED DESIGNS, amend the table as shown below:

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Building Component	Standard Reference Design	Proposed Design
Thermal distribution systems	<p><u>Untested distribution systems:</u></p> <p><u>DSE = 0.88</u></p> <p><u>Tested Ducts: Leakage rate to outside conditioned space as specified Section R403.2.2(1)</u></p> <p><u>Tested duct Location:</u></p> <p><u>Conditioned space</u></p> <p><u>Tested duct Insulation: in accordance with Section R403.2.1</u></p>	<p>Thermal distribution system efficiency shall be as tested or as specified in Table R405.5.2(2) if not tested. Duct insulation shall be as proposed.</p> <p><u>Untested distribution systems:</u></p> <p><u>DSE from Table R405.5.2(2)</u></p> <p><u>Tested Ducts: Tested Leakage rate to outside conditioned space</u></p> <p><u>Duct Location: As proposed</u></p> <p><u>Duct Insulation: As proposed</u></p>

Table 502.2(1), Building Envelope Requirements Opaque Assemblies, is deleted for climate zone "6" and replaced, with all footnotes remaining the same as in the original text of the code, as follows:

Climate Zone	6 All Other	6 Group R
Roofs		
Insulation entirely above deck	R-20ci	R-20ci

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Metal buildings (with R-5 thermal blocks) a,b -	R13+R19-	R-19-
Attic and other-	R-49-	R-49-
Walls, Above Grade-		
Mass-	R-13.3ei-	R-15.2ei-
Metal buildings (b)-	R-13+R-5.6ei-	R-13+R-5.6ei-
Metal framed-	R-13+R-7.5ei-	R-13+R-7.5ei-
Wood framed and other-	R-13+R-7.5ei or R-21- -	R-13+R-7.5ei or R-21- -
Walls, Below Grade-		
Below grade wall (d)-	R-7.5ei-	R-7.5ei-
Floors-		
Mass-	R-12.5ei-	R-14.6ei-
Joist/framing steel/wood-	R-30-	R-30(e)-
Slab-On-Grade Floors-		
Unheated slabs-	R-10 for 24 in. below-	R-15 for 24 in. below-
Heated slabs-	R-15 for 24 in. below-	R-20 for 48 in. below-
Opaque doors-	-	-
Swinging-	U-0.70-	U-0.50-
Roll-up or sliding-	U-0.50-	U-0.50-

(Ord. 3128, 7-26-2010; amd. Ord. _____, ___-___-2015)

3-2-5: **EVIDENCE OF RIGHTS OF WAY:** No change.

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3-2-6: **PLANS AND SPECIFICATIONS:** No change.

3-2-7: **INSPECTIONS REQUIRED:** No change.

3-2-8: **CERTIFICATE OF OCCUPANCY:** No change.

3-2-9: **RESIDENTIAL CODE:** ~~The 2006 edition of the international residential code (IRC) as published by the International Code Council, excluding chapters 11 through 42 and appendices not specifically adopted, is hereby adopted with the following amendments:~~ The 2012 edition of the international residential code (IRC) as published by the International Code Council, is hereby adopted with the following amendments:

Chapters 11 through 14, inclusive, are deleted in their entirety and chapters 16 through 43, inclusive, are deleted in their entirety. Chapter 15, Exhaust Systems, is adopted as an alternative to the International Mechanical Code for exhaust systems only. All other requirements for mechanical systems in detached one or two family dwellings and multiple single-family dwellings (townhouses) not more than three stories above grade in height, and their accessory structures shall be found in the latest adopted edition of the International Mechanical Code.

A. Subsection **R102.7, Existing Structures**, is deleted and replaced with the following: "The legal occupancy of any structure existing on the date of this code shall be permitted to continue without change, except as is specifically covered in this code or the legally adopted fire code as administered by the fire authority having jurisdiction."

AB. Section **R301.6 Roof Load** No change.

C. Subsection **R302.2 - Townhouses**, delete the exception and replace with the following: "A common 2-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.

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Electrical installations shall be installed in accordance with the adopted electrical code. Penetrations of electrical outlet boxes shall be in accordance with Section R302.4"

- D. Subsection **R302.2.4 Structural Independence**, delete exception #5 and replace with the following: "Townhouses separated by a common 2-hour fire-resistance-rated wall as provided in Section R302.2."
- E. Subsection **R309.5, Fire Sprinklers**, is deleted in its entirety.
- ~~BF.~~ Section ~~**R311.5.3.17.5.1**~~ **Riser Height** is amended to allow a maximum riser height of 8¹/₄ inches.
- ~~CG.~~ Section ~~**R311.5.3.27.5.2**~~ **Tread Depth** is amended to allow a minimum tread depth of nine inches (229 mm).
- ~~DH.~~ Reserved. Subsection **R312.1.1 Where Required**, delete the first sentence and replace with the following: "Guards shall be located along open-sided walking surfaces, including stairs, ramps and landings, that are located more than 30 inches measured vertically to the floor or grade below."
- ~~EI.~~ Reserved. Section **R313, Automatic Fire Sprinkler Systems**, is deleted in its entirety.
- J. Subsection **R403.1.6 Foundation Anchorage** is deleted in its entirety and replaced with the following: "Where wood sill and sole plates are supported directly on continuous foundation walls or monolithic slabs with integral footings required by the provisions of this code, they shall be anchored to the foundation in accordance with this section. Cold-formed steel floor and wall framing shall be anchored to the foundation in accordance with Section R505.3.1 or R603.3.1. Wood sole plates at all exterior walls, wood sole plates of braced wall lines at building interiors on monolithic slabs with integral footings and all wood sill plates shall be anchored to the foundation with minimum ½ inch diameter anchor bolts spaced a maximum of 6 feet on center or approved anchors or anchor

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straps spaced as required to provide equivalent anchorage to the ½ inch diameter anchor bolts. Bolts shall extend a minimum of 7 inches into concrete or grouted cells of concrete masonry units. A nut and washer shall be tightened on each anchor bolt. There shall be a minimum of two bolts per plate section with one bolt located not more than 12 inches or less than seven bolt diameters from each end of the plate section. Interior bearing wall sole plates on monolithic slab foundations with integral footings that are not part of a braced wall line shall be positively anchored with approved fasteners. Sill plates and sole plates shall be protected against decay and termites where required by sections R317 and R318.

Exceptions:

1. Walls 24 inches total length or shorter connecting offset braced wall panels shall be anchored to the foundation with a minimum of one anchor bolt located in the center third of the plate section and shall be attached to adjacent braced wall panels at corners as shown in item 8 of Table R602.3(1).
2. Connections of walls 12 inches total length or shorter connecting offset braced wall panels to the foundation without anchor bolts shall be permitted. The wall shall be attached to adjacent braced wall panels at corners as shown in item 8 of table R602.3(1).

FK. Section **R405.1** is amended by adding the following: No change.

L. Subsection **R501.3, Fire Protection of Floors**, delete in its entirety.

M. Subsection **R602.10 Wall Bracing**, delete the first sentence and replace with the following: "Building 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 as an alternate method.

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- N. Subsection **R602.10.11, Cripple Wall Bracing**, delete the last sentence and replace with the following: "The distance between adjacent edges of braced wall panels shall be 20 feet."
- O. Subsection **R703.8 Flashing**, delete the first paragraph in its entirety and replace with the following: "Flashing shall be provided in accordance with this section to prevent entry of water into the wall cavity or penetration of water to the building structural framing components. Flashing shall extend to the surface of the exterior wall finish or to the water resistive-barrier for drainage and shall be installed at all of the following locations:"
- Further, delete Number 1, number 1.1, number 1.2, and number 1.3 in their entirety and replace with the following: "1. Exterior window and door openings."
- Number 2 through 7 remain unchanged in Subsection R703.8.
- P Subsection **R703.8.1 Flashing Materials**. Approved flashing materials shall be corrosion-resistant. Self-adhered membranes used as flashing shall comply with AAMA 711. Pan Flashing shall comply with Section R703.8.2. Installation of flashing materials shall be in accordance with Section 703.8.3.
- Q. Subsection as follows: **R703.8.2 Pan Flashing**. Pan Flashing installed at the sill of exterior window and door openings shall comply with this section. Pan Flashing shall be corrosion-resistant and shall be permitted to be pre-manufactured, fabricated, formed or applied at the job site. Self-adhered membranes complying with AAMA 711 shall be permitted to be used as Pan Flashing. Pan Flashing shall be sealed or sloped in such a manner as to direct water to the surface of the exterior wall finish or to the water-resistive barrier for subsequent drainage.
- R. Subsection as follows: **R703.8.3 Flashing Installation**. Installation of flashing materials shall be in accordance with one or more of the following methods:

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1. The fenestration manufacturer's installation and flashing instructions.
2. The flashing manufacturer's installation instructions.
3. Flashing details approved by the Building Official.
4. As detailed by a Registered Design Professional.

GL. Appendices do not apply unless specifically adopted hereafter.
(Ord. 3081, 5-21-2007; amd. Ord. _____, __-__-2015)

3-2-10: **ACCESS TO STRUCTURES; WATER AND SEWER CONNECTIONS REQUIRED:** No change.

3-2-11: **INTERNATIONAL EXISTING BUILDING CODE:** The international existing building code (IEBC), ~~2009~~ 2012 edition, is hereby adopted by the city as alternative prescriptive methods for the remodel, repair, alteration, change of occupancy, addition, and relocation of existing buildings.

A. through C. No change. (Ord. 3017, 3-28-2005; amd. Ord. 3081, 5-21-2007; amd. Ord. 3134, 10-18-2010; amd. _____, __-__-2015)

**FIRST PASSED BY THE COMMISSION OF THE CITY OF HELENA, MONTANA,
THIS 26th DAY OF JANUARY, 2015.**

/S/ James E. Smith
MAYOR

ATTEST:

/S/ Debbie Havens
CLERK OF THE COMMISSION

ORDINANCES OF THE CITY OF HELENA, MONTANA

Ord. No. 3204

FINALLY PASSED BY THE COMMISSION OF THE CITY OF HELENA,
MONTANA, THIS 9th DAY OF MARCH, 2015.

/S/ James E. Smith
MAYOR

ATTEST:

/S/ Debbie Havens
CLERK OF THE COMMISSION