1/9/19

ORDINANCE NO. 2019-02

AN ORDINANCE AMENDING ARTICLE 7-1, ENTITLED "BUILDING CODE", OF THE ORDINANCES OF THE CITY OF ROCK SPRINGS, WYOMING.

WHEREAS, the Governing Body of the City of Rock Springs desires to modify Article 7-1, Section 7-108.4, entitled "Building Code", of the Ordinances of the City of Rock Springs.

NOW, THEREFORE, BE IT ORDAINED BY THE GOVERNING BODY OF THE CITY OF ROCK SPRINGS, STATE OF WYOMING:

Section 1. That Article 7-1, Section 7-108.4 of the Ordinances of the City of Rock Springs, is hereby amended to read as follows:

Article 7-1

BUILDING CODE

7-108.4 Adoption by Reference of the ~~2015~~2018 Edition of the International Codes.

The following international codes and their appendices as listed, are adopted by reference, subject to the amendments in (a), (b) (c) and (d) below.

International Building Code, ~~2015~~2018 Edition, subject only to the amended portions in (a) below, including the following Appendices: Appendix E Appendix I and Appendix J; excluding Chapter 27. The International Mechanical Code ~~2015~~2018 Edition subject only to the amended portion in Section (c) below; International Plumbing Code, ~~2015~~2018 edition, subject only to the amended portion in (c) below, published by the International Code Council with the following appendix: Appendix D, Degree day and design temperatures for Cities in the United States, Appendix E, Sizing of Water Pipe Systems, Appendix F, Structural Safety, and the National Electric Code, 2017 Edition, published by the National Fire Protection Association. International Fuel Gas Code, ~~2015~~2018 Edition, including the following Appendices: Appendix A, Appendix B and Appendix C. International Residential Code, ~~2015~~2018 Edition, subject only to the amended portion in (d) below, including the following appendices: Appendix A, Appendix B, Appendix C and Appendix H; excluding R-313, P2904.3.1.1, Section R-403.3,Section R-403.3.1, Section R-403.3.2, Section R-403.3.3, Section 403.3.4, Table R-403.3(1), Figure R-403.3(1), Figure R-403.1.4.1.2, Figure R-403.1.4.1.3, and Figure R-403.3(2). International existing building code ~~2015~~2018 Edition.

Amendment (a). The International Building Code ~~2015~~2018 Edition, is amended as follows:

105.2.14. Detached membrane structures with floor area not exceeding 250 square feet that meet the following conditions:

a. The structure complies with all current zoning requirements and a Zoning Permit has been obtained.

b. No more than one membrane structure per residential lot will be allowed.

c. Membrane structures must be factory manufactured units.

d. Membrane structures used for vehicle parking or storage shall be placed on and secured to a minimum 3-1/2" thick concrete slab, the method of attachment and thickness of concrete at attachment locations shall be as recommended by the manufacturer.

e. Membrane structures not used for vehicle parking or storage shall be anchored as recommended by the manufacturer.

105.5. Expiration. Shall be amended to add the following exception:

Exception 1. Building Permits issued for the demolition of any structure shall expire 45 days after issuance. A demolition permit may be renewed or extended for an additional 45 days.

Ultimate Design wind speed is 115 mph with an exposure rating of (c) (Amended Ord. 2012-10, 12-18-12; Amended Ord. 2016-01, 4-19-16)

~~1507.2.8.2~~1507.1.2 Ice Barrier. In areas where there has been a history of ice forming along the eaves causing a backup of water, an ice barrier that consists of at least two layers of underlayment cemented together or of a self-adhering polymer modified bitumen sheet shall be used in lieu of normal underlayment and extend from the lowest edges of all roof surfaces to a point at least 24 inches (610mm) inside all exterior wall lines of the building. (Amended Ord. 2012-10, 12-18-12)

1803.7. All new residential construction and commercial construction that is not deemed as needing a full soils report by the Building Official, that does not exceed 5000 square feet shall be required to have an open hole soil inspection performed by a Wyoming Licensed Engineer for the purpose of soils classification and foundation recommendations." Commercial Construction over 5000 square feet requires a complete soils report.

R-403.1. General. Footings and foundations shall be constructed of masonry, concrete or treated wood in conformance with AFPA Technical Report #7 and shall extend below the frost line of 42 inches below finished grade. Footings of concrete and masonry shall be of solid material. Foundations supporting wood shall extend at least 6 inches above the adjacent finish grade. Footings shall have a minimum depth as indicated in Table No. R-403.1 unless another depth is recommended by a foundation investigation.

The provisions of this section do not apply to building and foundation systems in those areas subject to scour and water pressure by wind and wave action. Buildings and foundations subject to such loads shall be designed in accordance with approved national standards.

Properties identified as being located in subsidence-prone areas of the City shall have foundations constructed according to the University of Wyoming Specifications and Recommendations for Residential Construction Subject to Ground Movements Related to Mine Subsidence, 1988 printing."

Table R-403.1. Shall be amended to read as follows:

"FOUNDATIONS FOR STUD BEARING WALL - MINIMUM REQUIREMENTS[1] [2]

Number of Floors Supported by the Foundation	Thickness of Foundation Wall (Inches)		Width of Footings (inches)	Thickness of Footing (inches)	Depth Below Undisturbed Ground Surface (inches)
	Concrete	Masonry			
1	8	8	15	8	12
2	8	8	15	8	18
3	10	10	18	8	24

[1]The ground under the floor may be excavated to the elevation of the top of the footing.
[2]Foundations may support a roof in addition to the stipulated number of floors. Foundations supporting roofs only shall be as required for supporting one floor.

R-403-1.3.1. For undesigned residential foundations, the minimum vertical and horizontal reinforcement shall be the same as the slight subsidence requirements listed in the University of

Wyoming Specifications and Recommendations for Residential Construction Subject to Ground Movements Related to Mine Subsidence, 1988 printing.

The minimum footing size and reinforcement for undesigned residential footings complying with R-403 shall be the same as the slight subsidence requirements as listed in the University of Wyoming Specifications and Recommendations for Residential Construction Subject to Ground Movements Related to Mine Subsidence, 1988 printing, and all interior basement footings must be poured isolated and at the same elevation as the top of the basement concrete slab. (Amended Ord. 2012-10, 12-18-12)

R-403.1.3.3 Shall be amended by adding the following exception:

1. One-story detached residential wood framed buildings not used for human occupancy between 400 and 1200 square feet in floor area may be constructed with a monolithic foundation slab as required by the Building Official. One story detached wood framed buildings not used for human occupancy under 400 square feet has no foundation requirements. (Amended Ord. 2012-10, 12-18-12)

P2904.3.1 Shall be amended to read as follows: Nonmetallic pipe and tubing. Nonmetallic pipe and tubing, such as CPVC, PEX, and PE-RT shall comply with Table P2906.5. (Amended Ord. 2016-01, 4-19-16)

R-905.1.2 Ice Barrier. In areas where there has been a history of ice forming along the eaves causing a backup of water as designated in Table R301.2(1), an ice barrier shall be installed for asphalt shingles, metal roof shingles, mineral-surfaced roll roofing, slate and slate-type shingles, wood shingles and wood shakes. The ice barrier shall consist of not fewer than two layers of underlayment cemented together, or a self-adhering polymer-modified bitumen sheet shall be used in place of normal underlayment and extend from the lowest edges of all roof surfaces to a point not less than 24 inches (610 mm) inside all exterior wall lines of the building. On roofs with slope equal to or greater than 8 units vertical in 12 units horizontal, the ice barrier shall also be applied not less than 36 inches (914 mm) measured along the roof slope from the eave edge of the building.

Exception: Detached accessory structures not containing conditioned floor area. (Amended Ord. 2012-10, 12-18-12; Amended Ord. 2016-01, 4-19-16)

Amendment (b). The ~~2015~~2018 International Plumbing Code is amended to read as follows:

Section 101.1. Insert (Name of Jurisdiction) City of Rock Springs.

Section 106.6.2 Insert (Appropriate Schedule).

Section 106.6.3 Insert (Percentages two locations) 80%.

Section 108.4. Insert (Offense, Dollar Amount, Number of Days) General Ordinance Violation.

Section 108.5. Insert (Dollar Amount in Two Locations) Per Section 7-105(c) City of Rock Springs Ordinance.

Section 308.5 HANGER SPACING. Amend table as follows:

Unless otherwise required by the manufacturer, PVC and ABS pipe shall be supported 6 foot on center horizontally and 8 foot on center vertically. Balance of Table 308.5 is unchanged.

Section 312.1. Test. Tests shall be conducted in the presence of the Administrative Authority or

his duly appointed representative. Tests shall be required for moved buildings only, or where specifically required by construction plans.

Section 403. Minimum Plumbing Facilities. Delete.

Section 405.3.1. Add the following subsection:

Section 405.3.1.1. Water Closets. A water closet may be installed 12 inches from center line to a wall or vanity to avoid cutting a structural member.

Section 602.1 Separate Water Connection. Every building having plumbing fixtures installed and intended for human habitation, occupancy or use on premises abutting on a street, alley or easement in which there is a public water shall have a separate connection with the Public water. Where located on the same lot, multiple buildings shall not be prohibited from connecting to a common building water system that connects to the public water system and be buried at least 6' deep for frost protection. (Amended Ord. 2012-10, 12-18-12)

Section 606.1. Item 3. Amend as follows: The water supply shall enter the building at the location of the water meter. A full open valve shall be located on the supply side of the water meter and an approved check valve shall be located on the house side of the water meter. Unless approved by the authority having jurisdiction the water meter shall be installed horizontally and within 24 inches of the water supply entering the building.

Section 608.~~15~~16.4.1. Deck-mounted and integral vacuum breakers. Delete.

Section 903.1. Insert (Number of Inches) 6".

Section 904.2. Frost Closure. Add the following subsection:

Section 918.3. Amend – Air admittance values may only be used for island fixtures and in remodels of existing structures and such installations must meet code requirements for the installation.

Section 1002.8. Recess for trap connection. Delete.

(Ord. No. 75-3, 2-18-75; Ord. No. 77-42, 11-1-77; Rev. Ord. 1979; Ord. No. 79-53, 1-2-80; Rev. Ord. 1982; Ord. No. 83-1, 1-18-83; Ord. No. 85-17, 9-17-85; Ord. No. 88-14, 11-1-88; Ord. No. 91-16, 10-1-91; Ord. No. 92-07, 4-21-92; Ord. No. 94-19, 6-21-94, Ord. No. 2006-13, 5-16-06; Amended Ord. 2012-10, 12-18-12; Amended Ord. 2016-01, 4-19-16).

Amendment (c) The International Mechanical Code ~~2015~~2018 Edition, is amended as follows:

Amendment (d). The International Residential Code ~~2015~~2018 Edition is amended as follows:

Section 309.1- Garage floor surfaces shall be concrete or asphalt. (Amended Ord. 2012-10, 12-18-12)

Section 311.7.5.1 – Exception to read: The maximum riser height shall be 8 inches Section 311.5.3.2 - the minimum tread depth shall be 9 inches.

Table R301.2(1) to be filled in the following manner:

TABLE R301.2(1)
CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA

GROUND SNOW LOAD	30 lb
WIND DESIGN Speed (d) (mph) Topographic effects (k) Special wind region (l) Wind-borne debris zone (m)	 115 No No No
SEISMIC DESIGN CATEGORY (f)	B
SUBJECT TO DAMAGE FROM Weathering (a) Frost Line Depth (b) Termite (c)	 Severe 42" Slight
WINTER DESIGN TEMP (e)	-5
ICE BARRIER UNDERLAYMENT REQUIRED (h)	Yes
FLOOD HAZARDS (g)	
AIR FREEZING INDEX (i)	No
MEAN ANNUAL TEMP (j)	44.1

For SI: 1 pound per square foot = 0.0479 kPa, 1 mile per hour = 0.447 m/s.

(a) Weathering may require a higher strength concrete or grade of masonry than necessary to satisfy the structural requirements of this code. The weathering column shall be filled in with the weathering index "negligible," "moderate" or "severe" for concrete as determined from the Weathering Probability Map [Figure R301.2(3)]. The grade of masonry units shall be determined from ASTM C 34, C 55, C 62, C 73, C 90, C 129, C 145, C 216 or C 652.

(b) The frost line depth may require deeper footings than indicated in Figure R403.1(1). The jurisdiction shall fill in the frost line depth column with the minimum depth of footing below finish grade.

(c) The jurisdiction shall fill in this part of the table to indicate the need for protection depending on whether there has been a history of local subterranean termite damage.

(d) The jurisdiction shall fill in this part of the table with the wind speed from the basic wind speed map (Figure R301.2(4)A).

(e) The outdoor design dry-bulb temperature shall be selected from the columns of 97 ½ percent values for winter from Appendix D of the International Plumbing Code. Deviations from the Appendix D temperatures shall be permitted to reflect local climates or local weather experience as determined by the building official.

(f) The jurisdiction shall fill in this part of the table with the seismic design category determined from Section R301.2.2.1.

(g) The jurisdiction shall fill in this part of the table with (a) the date of the jurisdiction's entry into the National Flood Insurance Program (date of adoption of the first code or ordinance for management of flood hazard areas), (b) the date(s) of the Flood Insurance Study and (c) the panel numbers and dates of the currently effective FIRMs and FBFMs or other flood hazard map adopted by the authority having jurisdiction, as amended.

(h) In accordance with Sections R905.1.2, R905.4.3.1, R905.4.3.1, R5.5.3.1, R905.6.3.1, R905.7.3.1 and R905.8.3.1, where there has been a history of local damage from the effects of ice damming, the jurisdiction shall fill in this part of the table with "YES." Otherwise, the jurisdiction shall fill in this part of the table with NO."

(i) The jurisdiction shall fill in this part of the table with the 100-year return period air freezing index (BF-days) from Figure R403.3.(2) or from the 100-year (99 percent) value on the National Climatic Data Center data table "Air Freezing Index-USA Method (Base 32°F."

(j) The jurisdiction shall fill in this part of the table with the mean annual temperature from the National Climatic Data Center data table "Air Freezing Index-USA Method (Base 32°F)."

(k) In accordance with Section R301.2.1.5, where there is local historical data documenting structural damage to buildings due to topographic wind speed-up effects, the jurisdiction shall fill in this part of the table with "YES." Otherwise, the jurisdiction shall indicate "NO" in this part of the table.

(l) In accordance with Figure R301.2(4)A, where there is local historical data documenting unusual wind conditions, the jurisdiction shall fill in

this part of the table with "YES" and identify and specific requirements. Otherwise, the jurisdiction shall indicate "NO" in this part of the table.
(m) In accordance with Section R301.2.1.2.1, the jurisdiction shall indicate the wind-borne debris wind zone(s). Otherwise, the jurisdiction shall indicate "NO" in this part of the table.

(Amended Ord. 2016-01, 4-19-16)

Amendment (e) The National Electric Code, ~~2014~~2017 Edition, is amended as follows:

334.15. Exposed Work.

(C) In Unfinished Basements and Crawl Spaces. Where cable is run at angles with joists in crawl spaces, it shall be permissible to secure cables not smaller than two 6 AWG or three 8 AWG conductors directly to the lower edges of the joists. In unfinished basements it shall be permissible to secure cables not smaller than #4 AWG directly to the lower edges of the joist. Smaller cables shall be run through bored holes, in joists. NM cable installed on the wall of an unfinished basement shall be permitted to be installed in a listed conduit or tubing or shall be protected in accordance with 300.4. Conduit or tubing shall be provided with a suitable insulating bushing or adapter at the point the cable enters the raceway. The NM cable sheath shall extend through the conduit or tubing and into the outlet or device box not less than 6mm (¼ in.). The cable shall be secured within 300 mm (12 in.) of the point where the cable enters the conduit or tubing. Metal conduit, tubing, and metal outlet boxes shall be connected to an equipment grounding conductor.

(Ord. No. 2003-06, 3-18-2003; Ord. No. 2006-13, 5-16-06, Ord. No 2010-06, 4-20-2010; Ord. 2015-01, 2-3-15; Ord. 2016-01, 4-19-16; Ord. 2018-03, 2-20-18).

This ordinance shall take effect immediately after it has been posted or published as required by law.

1st Reading_____

2nd Reading_____

3rd Reading_____

PASSED AND APPROVED this _____of _____, 2019.

_____
President of the Council

_____
Mayor

Attest:

_____
City Clerk