CITY OF BRANSON – MUNICIPLE CODE
Chapter 18 – BUILDINGS AND BUILDING REGULATIONS
ARTICLE V. – RESIDENTIAL CODE

Sec. 18-103. - International Residential Code.

(a) *Adopted.* The International Residential Code, 2018 edition, published by the International Code Council, Inc., a copy of which is on file in the office of the city clerk, is hereby adopted by the city with the additions, insertions, deletions and changes, if any, prescribed herein.

(b) *Amendments.* The code adopted by subsection (a) of this section is hereby amended by substituting the following sections or portions of sections for those sections or portions of sections with corresponding numbers of the International Residential Code, 2018 edition, or where there is no corresponding section in the code, the following sections shall be enacted as additions to the code:

Section R101.1 insert City Of Branson

Delete in its entirety *Section R106.2 Site plan or plot plan.*

Section R106.2 Site plan or plot plan. The construction documents submitted with the application for permit shall be accompanied by a site plan showing the size and location of new construction and existing structures on the site, building sewers, water services, driveways, sidewalks, retaining walls, stormwater runoff and distances from parcel lines. In the case of demolition, the site plan shall show construction to be demolished and the location and size of existing structures and construction that are to remain on the site or plot. The building official is authorized to waive or modify the requirement for a site plan when the application for permit is for alteration or repair or when otherwise warranted.

Section R-108.2 Schedule of Permit Fees. See Article I of this chapter.

Section R108.5 Refunds. See Article I of this chapter.

Section R108.6 Work commencing before permit issuance: See Article 1 of this chapter.

Section R113.4 Violation Penalties. See Chapter 1 of this Code.

Section R114.1 Notice to Owner. See Article I of this chapter.

Table R301.2(1) Insert the following values in Table 301.2(1).

Ground snow load	15
Wind speed MPH	90
Seismic zone	B
Damage from weathering	Severe
Frost line depth	18 inches
Damage from termite	Moderate/heavy

Damage from decay	Slight/moderate
Winter design temperature	12 degrees Fahrenheit
Ice shield underlayment required	No

Delete in its entirety *Section R313.2 One- and two-family dwellings automatic fire systems.*

Delete in its entirety *Section N1101.5 Information on construction documents.*

Delete in its entirety *Section N1101.13 Compliance.*

Delete in its entirety *Section N1102.1.5 Total UA alternative.*

Delete in its entirety *Section N1102.2.1 Ceilings with attic spaces.*

Delete in its entirety *Section N1102.2.2 Ceilings without attic spaces.*

Table N1102.1.2 Amend the following values:

Climate Zone	Ceiling R-Value	Wood Frame Wall R-Value
4 except Marine	38	13

Delete in its entirety *Section N1102.3 Fenestration.*

Delete in its entirety *Section N1102.4.2 Testing.*

Delete in its entirety *Section N1102.4.3 Fenestration air leakage.*

Delete in its entirety *Section N1103.3.3 Duct testing.*

Delete in its entirety *Section N1103.3.4 Duct leakage.*

Delete in its entirety *Section N1104 Electrical power and lighting systems.*

Delete in its entirety *Section N1105 Simulation performance alternative.*

Delete in its entirety *Section N1106 Energy rating index compliance alternative.*

Delete in its entirety *Section N1108.1.1.4 Lighting.*

Delete in its entirety *Section N1108.1.2 Existing plus addition compliance.*

Delete in its entirety *Section N1111 Change of occupancy or use.*

Delete in its entirety *Section P2503.4 Building sewer testing.*

Section P2503.4 Building sewer testing. Gravity sewer test shall consist of plugging the end of the building sewer at the point of connection with the public sewer, filling the building sewer with water, testing with not less than a 10-foot head of water above the highest fitting connection in that section, or to the highest point in the completed system and maintaining such pressure for a period of 15 minutes and the system shall prove leak free by visual inspection or applying an air pressure of 5 psi and maintaining such pressure without introduction of additional air for a period of 15 minutes. Forced sewer tests shall consist of plugging the end of the building sewer at the point of connection with the public sewer and applying a pressure of 25 psi, and maintaining such pressure without introduction of additional air for a period of 15 minutes.

Delete in its entirety Section P2602.1.

Section P2602.1 General. The water distribution and drainage system of any building or premises where plumbing fixtures are installed shall be connected to a public water supply or public sewer.

Section P2603.5.1 Sewer depth. Insert: 18 and 18 (In both places)

Delete in its entirety Section P2604.1 Trenching and bedding.

Section P2604.1 Trenching and bedding. Where trenches are excavated such that the bottom of the trench forms the bed for the pipe, solid and continuous load-bearing support shall be provided between joints. Bell holes, hub holes and coupling holes shall be provided at points where the pipe is joined. Where over-excavated, the trench shall be backfilled to the proper grade with compacted earth, sand, fine gravel or similar granular material. Piping shall not be supported on rocks or blocks at any point. Rocky or unstable soil shall be over-excavated by two or more pipe diameters and brought to the proper grade with suitable compacted granular material. Building sewers shall meet or exceed the City's Specifications as contained in the Code.

Delete in its entirety *Section P2604.3 Backfilling.*

Section P2604.3 Backfilling. Building sewers shall meet or exceed the City's Specifications as contained in the Code.

Section P2902.1 General. Connections to the public water supply shall meet or exceed the Missouri Department of Natural Resources Division 60-Public Drinking Water Program Chapter 11 Backflow Prevention Code of State Regulations and the City of Branson Cross Connection Control Ordinance.

Delete in its entirety *Section P2902.5.3 Lawn irrigation systems.*

Section P2902.5.3 Lawn irrigation systems. The potable water supply to lawn irrigation systems shall be protected against backflow by a double check backflow prevention assembly or a reduced pressure principle backflow preventer. Where chemicals are introduced into the system, the potable water supply shall be protected against backflow by a reduced pressure principle backflow preventer.

Delete in its entirety *Section P2903.9.1 Service valve.*

Section P2903.9.1 Service valve. Each dwelling unit shall be provided with an accessible main shutoff valve near the entrance of the water service. The valve shall be of a full-open type having nominal restriction to flow, with provision for drainage such as a bleed orifice or installation of a separate drain valve. Additionally, a shutoff valve shall be installed on the water service outside of the water meter pit or vault.

Delete in its entirety *Section P2904.1 General.*

Section P2904.1 General. Where installed, residential fire sprinkler systems, or portions thereof, shall be in accordance with NFPA13D or Section P2904, which shall be considered equivalent to NFPA 13D. Section P2904 shall apply to stand-alone and multipurpose wet-pipe sprinkler systems that do not include the use of antifreeze. A multipurpose fire sprinkler system shall supply domestic water to both fire sprinklers and plumbing fixtures. A stand-alone sprinkler system shall be separate and independent from the water distribution system. A backflow flow preventer shall be required to separate a stand-alone sprinkler system from the water distribution system.

Section P3001.1 Scope. Building sewers shall meet or exceed the City's Specifications as contained in the Code.

Delete in its entirety *Section P3002.2 Building sewer.*

Section P3002.2 Building sewer. Forced main sewer piping shall conform to one of the standards listed in Table P3002.2. Building sewer service pipe shall meet or exceed specifications of polyvinyl chloride (PVC) plastic pipe in IPS 4 inch diameter schedule 40 with a solid wall meeting the ASTM Standards as listed in Table P3002.2.

Delete in its entirety *TABLE P3002.2 BUILDING SEWER PIPE.*

TABLE P3002.2 BUILDING SEWER PIPE

Cast-iron pipe	ASTM A 74, ASTM A 888, CISPI 301
Polyvinyl chloride (PVC) plastic pipe in IPS diameters, schedule 40; with solid wall.	ASTM D 2665, ASTM D 3034, ASTM F 1412, CSA B182.2, CSA B182.4
Stainless steel drainage systems, Types 304 and 316L	ASME A 112.3.1

Delete in its entirety *Section P3003.2 Prohibited joints.*

Section P3003.2 Prohibited joints. Running threads and bands shall not be used in the drainage system. Drainage and vent piping shall not be drilled, tapped, burned or welded.

The following types of joints and connections shall be prohibited:

1. Cement or concrete.
    a. Except when connecting to a vitrified clay public main.
2. Mastic or hot-pour bituminous joints.
3. Joints made with fittings not approved for the specific installation.
4. Joints between different diameter pipes made with elastomeric rolling O-rings.
5. Solvent-cement joints between different types of plastic pipe.
6. Saddle-type fittings.
    a. Except when connecting to a public main.

Section P3005.1 Drainage fittings and connections.

Exception:

a. Short and long sweeps shall be prohibited on building sewers.

Delete in its entirety Section P3005.2.2 Building sewers.

Section P3005.2.2 Building sewers. Building sewers shall be provided with single-way cleanouts located every 50 feet or two-way cleanouts every 100 feet. All portions of the building sewer shall be reachable within 50 feet of a cleanout.

Delete in entirety *Section P3005.2.4 Changes of direction.*

Section P3005.2.4 Changes of direction. Cleanouts shall be installed at each fitting with a change of direction more than 45 degrees in the building drain and horizontal waste or soil lines. Where more than one change of direction occurs in a run of piping, only one cleanout shall be required for each 40 feet of developed length of the drainage piping.

Delete in its entirety *Section P3005.2.3 Building drain and building sewer junction.*

Section P3005.2.3 Building drain and building sewer junction. There shall be a cleanout within 5 feet of the junction of the building drain and the building sewer. The cleanout shall be outside the building wall and shall be brought up to the finished ground level. An approved two-way cleanout shall be permitted to serve as the required cleanout for both the building drain and building sewer.

Section P3005.2.8 Installation arrangement.

Exception:

3. Building sewers may use two-way cleanouts in an upright position.

Section E3406.2 Conductor Material. Conductors used to conduct current shall be of copper except as otherwise provided in chapters 34 through 43 of the IRC Part VIII - Electrical. Where the conductor material is not specified, the material and the sizes given in these chapters shall apply to copper conductors. Where other materials are used, the conductor sizes shall be changed accordingly.

Delete in its entirety *E3601.6.2 Service disconnect location.*

Section E3601.6.2 Service disconnect location. The service disconnection means shall be installed at a readily accessible location outside of a building. Each occupant shall have access to the disconnect serving the dwelling unit in which they reside.

Table E3705.1 Delete Aluminum and Copper-clad Aluminum conductors from table E3705.1, AWG sizes 2/0 and smaller . Delete Aluminum Grounding Electrode conductors from Table E3603.1, AWG sizes 2 and smaller.

Sec. 18-104. - Adoption of appendices.

The following appendices shall, by adoption of the International Residential Code, 2018 edition, be considered as part of this code:

Appendix E, Manufactured housing used as dwellings

Appendix J, Existing buildings and structures

Appendix Q, Tiny houses