

ORDINANCE NO.
**AN ORDINANCE AMENDING TITLE 18 (BUILDING AND CONSTRUCTION),
CHAPTER 18.10 (RESIDENTIAL CODE), ADOPTING THE 2021 INTERNATIONAL
RESIDENTIAL CODE, AND ADOPTING APPROPRIATE LOCAL AMENDMENTS,
THE PENALTY BEING AS PROVIDED IN 18.02.111 OF THE EL PASO CITY CODE**

WHEREAS, the 2021 Edition of the International Building Codes has been published and adoption of the 2021 International Building Codes are now proposed; and

WHEREAS, the Building Official for the City of El Paso has reviewed and favorably recommends the adoption of the 2021 International Building Codes; together with the local amendments appropriate for the City of El Paso; and

WHEREAS, the City Council has deemed the proposed local amendments appropriate for the City of El Paso;

NOW THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF EL PASO:

SECTION 1. That Title 18 (Building and Construction), Chapter 18.10 (Residential Code) is hereby amended as follows:

Chapter 18.10 - RESIDENTIAL CODE

18.10.010 Short title.

This chapter may be cited as the "Residential Code."

18.10.020 Adoption.

The book entitled "International Residential Code, For One- and Two-Family Dwellings" ~~2015 Edition~~ 2021 Edition, a copy of which authenticated by the City Clerk is on file in the City Clerk's Office, is adopted as the Residential Code of the City, as fully as if copied at length in this chapter, but with the amendments set forth in this chapter and Chapter 18.02, the Building and Administrative Code of the City of El Paso.

18.10.030 Section R101.2 Scope.

International Residential Code, ~~2015 Edition~~ 2021 Edition, R101.2 Scope, is hereby adopted in its entirety.

18.10.040 - Section R105.2 Work exempt from permit

Exemption from 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 construction work:

Building:-

1. One-story detached accessory storage building, canopy or structure, located in the rear yard, less than two hundred square feet in floor area and not within 5 feet of another structure, eave to eave. This exemption shall be restricted to only one accessory building within a site.
2. Masonry landscape walls and fences ~~not over~~ ~~not over~~ forty-two inches ~~in height or less~~, completely within the subject property and meeting zoning ~~requirements~~ ~~requirements~~. Where there is a difference in elevation between abutting properties or property lines, the height measurement shall be taken from the high side of the wall, exclusive of retaining walls.
 - a. Chain link ~~or wrought iron~~ fences ~~not over six~~ ~~six seven~~ feet ~~or less in~~ height, completely within the subject property and meeting zoning requirements.
3. Concrete walks, slabs on grade and driveways not more than thirty inches above grade, that are not over a basement or story below; and that will not serve as foundation or structural support for future construction, and are not located in public right-of-way.
4. Ordinary minor nonstructural repair work such as painting, papering, siding and similar finish work.
5. Movable cases, cabinets, counters, and partitions not over five feet nine inches high that do not establish a corridor.
6. Swimming pools, wading pools or ponds that are in-ground ~~or above ground~~ containing a body of water less than twenty-four inches in depth ~~and less than five thousand gallons of water~~.
7. Replacement of less than twenty-five percent of existing roof covering on residential structures only.
8. Swings and other playground equipment.

Mechanical:-

1. Portable heating appliances.
2. Portable ventilation equipment.
3. Portable cooling units.
4. Steam, hot or chilled water piping within any heating or cooling equipment regulated by the technical codes.
5. Replacement of any part which does not alter its approval or make it unsafe.
6. Portable evaporative coolers.
7. Self-contained refrigeration systems containing ten pounds (4.54 kg) or less of refrigerant and actuated by motors of one horsepower (746 W) or less.

Electrical:-

1. Wiring devices or equipment installed by telephone, telegraph or other public service corporations used solely for the transmission of two-way communication.

2. Portable appliances or devices conforming to the electrical code, for operation from a receptacle outlet, provided such appliances are rated at no more than eighty percent of the branch circuit overprotective device.
3. Replacing or repairing flash or snap switches, receptacles, drop cords, replacing fuses, changing lamp sockets, or any other minor repairs of joints in wiring, fixtures, devices or equipment.
4. Ceiling fans, light fixtures, receptacle outlets or similar devices added onto an existing electrical circuit which has adequate capacity for the additional load in a one- or two-family residence; provided, however, that the work is performed by:
 - a. A homeowner, on property that is their primary residence; or
 - b. A master, journeyman or maintenance electrician licensed in accordance with Section 18.02.104.6.

Fire protection systems.:

~~21.— Minor repair, service and maintenance work as allowed by the Fire Code Official.~~

~~22.— Periodic testing of installed systems.~~

Plumbing:Plumbing:

1. ~~The stopping of leaks in drains, water, soil, waste or vent pipe; provided, however, that if any concealed trap, drainpipe, water, soil, waste or vent pipe becomes defective and it becomes necessary to remove and replace the same with new material, such work shall be considered as new work and a permit shall be obtained and inspection made as provided in this code.~~
1. The stopping of leaks in drains, water, soil, waste or vent pipe; provided, however, that if any concealed trap, drainpipe, water, soil, waste or vent pipe becomes defective and it becomes necessary to remove and replace the same with new material, such work shall be considered as new work and a permit shall be obtained and inspection made as provided in this code.
2. The clearing of stoppages or the repairing of leaks in pipes, valves or fixtures, and the removal and reinstallation of water closets, provided such repairs do not involve or require the replacement or rearrangement of valves, pipes or fixtures.

18.10.050 Section R301.2 Climatic and geographic design criteria, amended.

International Residential Code, ~~2015 Edition~~ 2021 Edition, Section R301.2 Climatic and Geographic Design Criteria is hereby amended by completing Table 301.2(1), Climatic and Geographic Design Criteria, to read as follows:

Table R301.2(1)												
Climatic and Geographic Design Criteria												
<u>Ground Snow Load</u>	<u>Wind Design</u>				<u>Seismic Design Category^f</u>	<u>Subject To Damage From</u>			<u>Ice Barrier Underlayment Required^h</u>	<u>Flood Hazards^g</u>	<u>Air Freezing Indexⁱ</u>	<u>Mean Annual Temp^j</u>
	<u>Speed^d (mph)</u>	<u>Topographic effects^k</u>	<u>Special wind region^l</u>	<u>Wind-borne debris zone^m</u>		<u>Weathering^a</u>	<u>Frost line depth^b</u>	<u>Termite^c</u>				
<u>5 PSF</u>	<u>105</u>	<u>No</u>	<u>No</u>	<u>No</u>	<u>C</u>	<u>Negligible</u>	<u>6"</u>	<u>Moderate to Heavy</u>	<u>No</u>	<u>Municipal Code Sec. 18.60</u>	<u>1500</u>	<u>75° F</u>
Manual J Design Criteria												
<u>Elevation</u>		<u>Altitude Correction Factor</u>	<u>Coincident wet bulb</u>	<u>Indoor winter design dry-bulb temperature</u>	<u>Indoor winter design dry-bulb temperature</u>	<u>Outdoor winter design dry-bulb temperature</u>	<u>Heating temperature difference</u>					
<u>3918</u>		<u>0.87</u>	<u>64°</u>	<u>72°</u>	<u>72°</u>	<u>25°</u>	<u>47°</u>					
<u>Latitude</u>		<u>Daily Range</u>	<u>Indoor summer design relative humidity</u>	<u>Summer Design Grains</u>	<u>Indoor summer design dry-bulb temperature</u>	<u>Outdoor summer design dry-bulb temperature</u>	<u>Cooling temperature difference</u>					
<u>31°</u>		<u>High (more than 25°F)</u>	<u>75° (50% R.H.)</u>	<u>-26</u>	<u>75°</u>	<u>98°</u>	<u>23°</u>					

18.10.050.1 Section R302.1 Exterior walls, amended.

International Residential Code, ~~2015 Edition~~2021 Edition, Section R302.1, Exterior walls, is hereby amended to add the following exceptions to read as follows:

6. Zero lot line properties where all of the following apply:
 - a. A minimum of 10 feet is provided between structures; and
 - b. Glazing is limited to a height of not less than 14 feet from grade level; and
 - c. Glazing is not more than 10% of the wall; and
 - d. Openings are prohibited; and
 - e. Where eaves are present they shall not extend more than 12 inches from the wall (including any required gutters) and eaves shall be fire rated.
7. Where all structures are provided with sprinkler systems.

18.10.060 Section R303.9-10 Required heating, amended.

International Residential Code, ~~2015 Edition~~2021 Edition, Section R303.8, Required heating, is hereby amended to read as follows:

R303.810 Required heating and cooling. Interior spaces intended for human occupancy shall be provided with active or passive space-heating and cooling systems capable of maintaining an indoor temperature between 68 F (20 C) and 90 F at a point 3 feet above the floor and 2 feet from exterior walls in all habitable spaces. The installation of portable space heaters shall not be used to achieve compliance with this section.

18.10.070 Reserved.

18.10.080 Section R313 Automatic Fire Sprinkler Systems, deleted.

International Residential Code, ~~2015 Edition~~2021 Edition, Section R313, Automatic Fire Sprinkler Systems, is hereby deleted in its entirety.

18.10.090 Section R319 Site Address, amended.

International Residential Code, ~~2015 Edition~~2021 Edition, Section R319, Site Address, is hereby amended to read as follows:

**SECTION R319
SITE ADDRESS**

R319.1 Building Numbering.

R319.1.1 Definitions.

For the purpose of administering the numbering of buildings, the following definitions shall apply:

1. "Building Numbering" means those numbers and/or letters as may be needed to identify building(s) at a municipal street address.
2. "Municipal Street Address" means the building numbering used in conjunction with the street name and assigned by the Planning Division of the City of El Paso for the purposes of identifying individual properties.
3. "Prominently Displayed" means that which is uniformly located, readily noticeable, and easily readable from the street during normal daytime atmospheric conditions by a person having normal vision.

R319.1.2 Municipal Street Address Identification. Building numbering shall be displayed on all buildings for which a municipal street address has been assigned. In order to provide for the prominent display and uniform location of municipal street addresses, residential building numbering shall comply with the following:

1. Building numbering shall be displayed in characters having a minimum height of four (4) inches.
2. For properties fronting on a street with curbs, building numbering shall be mounted or painted on the face of the curb in close proximity to the entry driveway. In the case of a corner property fronting on two streets with the driveway located on the street that is not the street name of the municipal street address, the building numbering shall be mounted or painted in a prominent location on the face of the curb fronting on the addressed Street.
3. For other properties, building numbering shall be located on the building wall fronting the addressed street or on another permanent structure that fronts on the addressed street and is closer to the street than the building wall.
4. It is recommended, but not required, that building numbering for residential buildings meet the requirements of building numbering for other buildings described in Chapter 18.08.

R319.1.3 Administration and Enforcement. The requirements of this Section shall be administered as part of the building permit and inspection process. The building official shall refuse the issuance of a final inspection and certificate of occupancy unless the building numbering has been provided as required by this Section.

R319.1.4 Alternate Building Numbering Location. The building official shall be authorized to approve alternate location(s) for building numbering required under this Section when the owner of the property satisfactorily demonstrate that the alternate location(s) provide(s) an equivalent degree of visibility and readability.

18.10.100 Section R320 Accessibility, deleted.

International Residential Code, ~~2015 Edition~~2021 Edition, Section R320, Accessibility, is hereby is deleted in its entirety.

18.10.110 Section R506.1 General, amended.

International Residential Code, ~~2015 Edition~~2021 Edition, Section R506.1, General, is hereby amended to read as follows:

R506.1 General. Concrete slab-on-ground floors shall be a minimum of 3.5 inches (89 mm) (for expansive soils, see Section R403.1.8). The specified compressive strength of concrete shall be as set forth in Section R402.2.

Slabs shall be constructed with control joints having a depth of at least one-fourth the slab thickness, and joints shall be spaced at intervals not more than 30 feet in each direction and slabs not rectangular in shape shall have control joints across the slab at points of offset, if offset exceeds 10 feet.

Exception: Control joints are not required or may exceed 30-foot intervals where welded wire fabric or equivalent is provided in accordance with Table 506. The welded fabric or equivalent material shall be placed at mid-depth of the slab or 2 inches from the top surface for slabs more than 4 inches in thickness.

Table 506								
Maximum Dimension of Slab or Distance Between Control Joints (Feet) Slab Thickness (Inches)						WWF Wire Spacing (Inches)	WWF Wire Size Designation	
3.5	4.0	4.5	5.0	5.5	6.0			
42	36	32	29	26	24	6×6	W1.4 × W1.4	
<u>59</u>	<u>52</u>	<u>42</u>	<u>42</u>	<u>38</u>	<u>35</u>	<u>6×6</u>	<u>W2.0 × W2.0</u>	
<u>86</u>	<u>75</u>	<u>60</u>	<u>60</u>	<u>55</u>	<u>50</u>	<u>6×6</u>	<u>W2.9 × W2.9</u>	

Values in table are based on reinforcement with yield strength of 65,000 psi.

18.10.120 Section R802.10.2 Design, amended.

International Residential Code, ~~2015 Edition~~2021 Edition, Section R802.10.2 Design, is hereby amended to add the following sentence at the end of the section, to read as follows:

R802.10.2 Design. The truss design drawings shall be prepared, signed, and sealed by a registered professional engineer, licensed in Texas.

18.10.130 Reserved.

18.10.140 Section M1201.2 Application, amended.

International Residential Code, ~~2015 Edition~~2021 Edition, Section M1201.2 Application, is hereby amended to read as follows:

M1201.2 Application. In addition to the general administrative requirements of Chapter 18.02, Building and Construction Administrative Code, the provisions of this Chapter shall also apply to the requirements of Chapters 13 through 24.

18.10.150 Section M1413 Evaporative Cooling Equipment, amended.

International Residential Code, ~~2015 Edition~~2021 Edition, Section M1413, Evaporative Cooling Equipment, is hereby amended to read as follows:

M1413 Evaporative Cooling.

M1413.1 General. Every evaporative cooler installed in, on or adjacent to any building as a part of a cooling or air conditioning system shall comply with these provisions.

M1413.2 Location.

M1413.2.1 No evaporative cooler shall be installed so as to obstruct any required means of egress nor reduce passage of required light and air.

M1413.2.2 Evaporative cooler installations that extend beyond the exterior line of a structure shall comply with Building Code and Zoning Regulations as to allowable projection and overhead clearance. Evaporative cooler structures which project more than eighteen inches (18") into a traveled right-of-way shall maintain a minimum clearance of fourteen feet (14') above grade.

M1413.3 Materials of Construction. M1413.3.1 All evaporative cooler blowers and cabinets, including pan, corner posts, top and pad frames, shall be constructed of non-combustible materials or approved plastics as defined below. Evaporative pads and interior water circulatory systems need not be of non-combustible materials.

M1413.3.2 Approved Plastics. Approved plastic or reinforced plastic materials shall be those which are classified 94-5V in accordance with Underwriters Laboratory Test 94-5V "Vertical Burning Test for Classifying Materials".

M1413.3.3 Evidence of Compliance. Evidence of compliance with the requirements of Section M1413.3.1 to 1413.3.2 shall accompany all equipment installed within the City of El Paso.

M1413.4. Electrical Connections. Electrical components and installations shall conform to the El Paso Electrical Code. The blower motor and water recirculation pump shall be internally protected to shut-off automatically in the event of an electrical overload or excessive temperature. The maximum shut-off temperature shall be: (1) blower motor, 105°C; and (2) pump, 135°C.

M1413.5 Plumbing Connections. Water connections and materials shall conform to the El Paso Plumbing Code.

M1413.6 Structural Supports. Evaporative cooler fastenings, including mounts, platforms and frames, shall be of non-combustible material and shall be of sufficient size and strength to meet the requirements of the International Building Code.

M1413.7 Water Supply.

M1413.7.1 Bleeder Lines Prohibited. New and replacement evaporative coolers shall not be provided or installed with bleeder lines.

M1413.7.2 Automatic water draining System Required. An automatic water draining system shall be provided for all evaporative coolers for which the cooler manufacturer requires the use of a bleeder line. The automatic water draining system shall operate on a periodic basis of not less than a 4-hour interval between operation times and shall be capable of fully draining the water from the cooler pan. The automatic draining system shall either discharge into the building drainage system through an indirect waste piping system complying with Section 802 of the Plumbing Code or shall be conducted to the exterior of the building or structure, and shall be discharged so that the effluent is used for watering landscaping or other outdoor vegetation. In no event shall drainage from coolers be wasted into or upon the public way.

18.10.155 Section M1601.1 (89), added.

Flexible air ducts in residential installations are limited to 10 feet in length unless an engineered design is provided.

18.10.160 Section G2404.1.2 Manufactured homes, added.

International Residential Code, ~~2015 Edition~~2021 Edition, Section G2404.1.2, Manufactured Homes, is hereby added to read as follows:

G2404.1.2 Manufactured Homes. Appliance installations in manufactured housing meeting the requirements of the Texas Manufactured Housing Standards Act, or in industrialized housing or industrialized buildings meeting the requirements of the Texas Industrialized Housing and Building Act or bearing the Federal Compliance Plate (ANSI-A119.1), including the appliance connections and the fuel gas piping system, shall not be subject to the provisions of this Code except for the test provisions of Sections G2417.4.1 and G2417.4.2.

18.10.170 Section G2412.2 (401.2) Liquefied petroleum gas storage, amended.

International Residential Code, ~~2015 Edition~~2021 Edition, Section G2412.2, Liquefied petroleum gas storage, is hereby amended to read as follows:

G2412.2 Liquefied Petroleum Gas.

G2412.2.1 Liquefied Petroleum Gas Storage. The storage system for liquefied petroleum gas shall be designed, and -installed ~~and an operational permit obtained~~ in accordance with the Fire Code.

G2412.2.2 Liquefied Petroleum Gas Service. Liquefied Petroleum Gas systems shall not be installed in Group R1, R2, R3 and R4 occupancies when a natural gas utility supply pipe is available within 300 feet of the buildings.

18.10.180 Section G2412.9-11 Meter location, added.

International Residential Code, ~~2015 Edition~~2021 Edition, Section G2412.911, Meter Location, is hereby added to read as follows:

G2412.9-11 Meter Location. A meter location, when required, shall be provided for the property or premises to be served. The location shall be such that the meter and connections are accessible in order that they may be read or changed. Space requirements, dimensions, and type of installation shall be acceptable to the gas company. Meter location will be determined by the utility company in conformance with their service franchise.

18.10.190 Section G2415.3.1 Prohibited locations, added.

International Residential Code, ~~2009-2015 Edition~~2021 Edition, Section G2415.3, Piping in concealed locations, is hereby amended to read as follows:

G2415.3 Piping in Concealed Locations. Portions of a piping system installed in concealed locations shall not have unions, tubing fittings, bushings, compression couplings and swing joints made by combinations of fittings.

Exceptions:

1. Tubing joined by brazing.
2. Fittings listed for use in concealed locations.

18.10.200 Section G2417.4 (406.4) Test pressure measurement, amended.

International Residential Code, ~~2015 Edition~~2021 Edition, Section G2417.4 Test Pressure Measurement, is hereby amended to read as follows:

G2417.4 Test Pressure Measurement. Test pressure shall be measured with a manometer or with a pressure-measuring device designed and calibrated to read, record, or indicate a pressure loss caused by leakage during the pressure test period. The source of pressure shall be isolated before the pressure tests are made. Mechanical gauges used to measure test pressures shall have a range such that the highest end of the scale is not greater than two (2) times the test pressure. Tests requiring a pressure of 10 psi or less shall utilize a testing gauge having increments of 0.20 psi or less. Tests requiring a pressure greater than 10 psi but less than or equal to 60 psi shall utilize a testing gauge having increments of 1 psi or less.

G2417.4.1 Test Pressure. Low pressure gas piping shall withstand a pressure of at least 10 psi or 16 inches of mercury. Higher pressure gas piping shall withstand a pressure of at least 60 psi on a clock gauge with a printed record chart. For the purposes of this section, "low pressure" shall mean pressure equal to or less than 0.5 psi.

G2417.4.2 Test duration. Test duration shall be not less than 15 minutes for low pressure gas piping and not less than 4 hours for higher pressure gas piping.

18.10.210 Section P2501.2 Application, amended.

International Residential Code, ~~2015 Edition~~2021 Edition, Section P2501.2 Application, is hereby amended to read as follows:

P2501.2 Application. In addition to the general administrative requirements of Chapter 18.02, Building and Construction Administrative Code of the El Paso City Code, the

provisions of this Chapter shall also apply to the plumbing requirements of Chapters 25 through 32.

18.10.220 Section P2602.1 General, amended.

International Residential Code, ~~2015 Edition~~2021 Edition, Section P2602.1, General, is hereby amended to read as follows:

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 and to a public sewer system.

Exception:

1. Bathtubs, showers, lavatories, clothes washers and laundry sinks shall not be required to discharge to the sanitary drainage system where such fixtures discharge to an approved gray water recycling system. Evaporative coolers automatic water draining systems may discharge to an approved gray water recycling system.
2. When a public sewer is not available within 300 feet of the building for use, an individual or private sewage disposal system may be utilized provided that such system is designed, installed and maintained in accordance with the requirements of Chapter 18.21 of the Municipal Code.

18.10.230 Section P2603.5.2 Protection of Water Service Entrance, added.

International Residential Code, 2021 Edition, Section P2903.1.1 Protection of Water Service Entrance, is hereby added to read as follows:

P2603.5.2 Protection of Water Service Entrance. Water service entrance and risers to all structures shall be on the heated side of a conditioned space.

18.10.240 Section P2603.5.3 Plumbing within exterior walls, added.

International Residential Code, 2021 Edition, Section 2903.1.2 Plumbing within exterior walls, is hereby added to read as follows:

P2603.5.3 Plumbing within exterior walls. Placement of plumbing within exterior walls is prohibited unless the walls are at minimum, 2 by 6 walls and adequate provision is made to protect such pipes from freezing in accordance with Section 305.6 of the International Plumbing Code. Placement of water lines in ceiling areas is prohibited unless the water lines are placed on the warm side with a minimum of 10 inch insulation on the exterior/roof side of the structure.

Exceptions:

- a. A service entrance may enter a non-conditioned space provided that the riser/service entrance is within an approved, heated valve protective enclosure also known as a "hot box", or
- b. Cross linked polyethylene, also known as PEX, or approved equal, is used as the service entrance material, and
- c. Any hose bibs installed shall be freeze proof.

18.10.25030 Section P2709.2 Lining required, amended.

International Residential Code, ~~2015 Edition~~2021 Edition, Section P26709.2, Lining required, is hereby amended to read as follows:

P2709.2 Lining Required. All shower receptors shall be provided with an approved lining, except as noted herein. The adjoining walls and floors, enclosing field-constructed shower receptors shall be lined with copper or other approved materials listed in this Code, extending not less than three (3) inches beyond or around the rough jambs and not less than three (3) inches above finished thresholds. Recessed shower compartments need not be lined, provided the compartment is formed of concrete, is recessed a minimum of four (4) inches below the adjacent floor level, and the concrete is not less than three and one-half (3½) inches thick with an ultimate compressive strength of not less than two thousand (2000) pounds per square inch.

18.10.26040 Section P2709.2.3 Hot-mopping, deleted.

International Residential Code, ~~2015 Edition~~2021 Edition, Section P2709.2.3, Hot-Mopping, is hereby deleted in its entirety.

18.10.27050 Reserved.

18.10.28060 Reserved

18.10.265 Section P2903.1.1 Protection of Water Service Entrance, added.

International Residential Code, ~~2015 Edition~~2021 Edition, Section P2903.1.1 Protection of Water Service Entrance, is hereby added to read as follows:

P2903.1.1 Protection of Water Service Entrance. ~~Water service entrance and risers to all structures shall be on the heated side of a conditioned space.~~

~~(Ord. No. 18510, § 1, 5-31-2016)~~

18.10.266 Section 2903.1.2 Plumbing within exterior walls, added.

International Residential Code, ~~2015 Edition~~2021 Edition, Section 2903.1.2 Plumbing within exterior walls, is hereby added to read as follows:

2903.1.2 Plumbing within exterior walls. ~~Placement of plumbing within exterior walls is prohibited unless the walls are at minimum, 2 by 6 walls and adequate provision is made to protect such pipes from freezing in accordance with Section 305.6 of the International Plumbing Code. Placement of water lines in ceiling areas is prohibited unless the water lines are placed on the warm side with a minimum of 10 inch insulation on the exterior/roof side of the structure.~~

Exceptions:

~~–a. A service entrance may enter a non-conditioned space provided that the riser/service entrance is within an approved, heated valve protective enclosure also known as a "hot box", or~~

~~–b. Cross linked polyethylene, also known as PEX, or approved equal, is used as the service entrance material, and~~

~~–c. Any hose bibs installed shall be freeze proof.~~

(Ord. No. 18510, § 1, 5-31-2016)

18.10.28070 Section P2903.3.23 Accessibility, added.

International Residential Code, ~~2015 Edition~~2021 Edition, Section P2903.3.23, Accessibility, is hereby added to read as follows:

2903.3.2 Accessibility. Installation shall be such as to make the regulator accessible without excavating or removing permanent structural or finished portions of the structure.

18.10.28090 Section P2903.12 Under concrete slabs, added.

International Residential Code, ~~2015 Edition~~2021 Edition Section ~~P2905.19~~2903.12, Under Concrete Slabs, is hereby added to read as follows:

~~P2905.19~~2903.12 Under Concrete Slabs. Inaccessible water distribution piping under slabs shall be copper water tube minimum Type L, brass, ductile iron pressure pipe, chlorinated polyvinyl chloride (CPVC) or crosslinked polyethylene (PEX) plastic pipe or tubing—all to be installed with approved fittings or bends. The minimum pressure rating for plastic pipe or tubing installed under slabs shall be 100 psi at 180°F.

18.10.290300 Reserved

18.10.3010 Section P3005.2.3 Building drain and building sewer junction, amended.

International Residential Code, ~~2015 Edition~~2021 Edition, Section P3005.2.73, Building Drain and Building Sewer Junction, is hereby amended to read as follows:

P3005.2.73 Building Drain and Building Sewer Junction. There shall be a cleanout within 10 feet of the junction of the building drain and the building sewer. The cleanout shall be outside the building and shall be brought up to the finished ground level. An approved two-way cleanout is allowed to be used at this location to serve as a required cleanout for both the building drain and building sewer.

18.10.310 Part VIII Electrical, deleted.

International Residential Code, ~~2015 Edition~~2021 Edition, Part VIII—Electrical, is hereby deleted in its entirety and the following shall substitute in its stead:

Chapter 18.16 Adopted. The provisions of Chapter 18.16, City of El Paso Electrical Code, shall regulate the installation of electrical systems, equipment and components, indoors and

outdoors that are within the scope of this Code, including services, power distribution systems, fixtures, appliances, devices and appurtenances.

18.10.311 Appendix AA, Sizing and Capacities of Gas Piping.

International Residential Code, ~~2015 Edition~~2021 Edition Appendix AA, Sizing and Capacities of Gas Piping is hereby adopted in its entirety.

18.10.312 Appendix AB, Sizing of Venting Serving Appliances Equip with Draft Hoods, Category I Appliances, and Appliances listed for Use with Type B Vents.

International Residential Code, ~~2015 Edition~~2021 Edition Appendix AB, Sizing of venting Serving Appliances Equip with Draft Hoods, Category I Appliances, and Appliances for Use with Type B Hoods, is hereby adopted in its entirety.

18.10.313 Appendix AC, Exit Terminals of Mechanical Draft and Direct-Vent Venting Systems.

International Residential Code, ~~2015 Edition~~2021 Edition Appendix AC, Exit terminals of Mechanical Draft and Direct-Vent Venting Systems, is hereby adopted in its entirety.

18.10.320 Appendix AE, Manufactured Housing Used as Dwellings, adopted.

International Residential Code, ~~2009~~2021 Edition, Appendix AE, Manufactured Housing Used as Dwellings is hereby adopted in its entirety.

18.10.321 Appendix AG, Piping Standards for Various Applications.

International Residential Code, ~~2015 Edition~~2021 Edition Appendix AG, Piping Standards for Various Applications, is hereby adopted in its entirety.

18.10.330 Section AE101.1 General, amended.

International Residential Code, ~~2015 Edition~~2021 Edition, Section AE101.1 General, is hereby amended to read as follows:

Section AE101 General. These provisions shall be applicable only to a manufactured home used as a single-dwelling unit and shall apply to the following:

1. Construction, alteration and repair of any foundation system which is necessary to provide for the installation of a manufactured home unit.
2. Construction, installation, addition, alteration, repair or maintenance of the building service equipment which is necessary for connecting manufactured homes to water, fuel or power supplies and sewage systems.
3. Alterations, additions or repairs to existing manufactured homes. The construction, alteration, moving, demolition, repair and use of accessory buildings and structures and their building service equipment shall comply with the requirements of the Municipal Code.

These provisions shall not be applicable to the design and construction of manufactured homes nor shall they be deemed to authorize either modifications or additions to manufactured homes where otherwise prohibited.

18.10.340 Reserved.

18.10.350 Appendix AH, Patio Covers, adopted.

International Residential Code, ~~2009~~2021 Edition, Appendix AH, Patio Covers, is hereby adopted in its entirety.

18.10.360 Appendix AK, Sound Transmission, adopted.

International Residential Code, ~~2009~~2021 Edition, Appendix AK, Sound Transmission, is hereby adopted in its entirety.

18.10.361 Appendix AM, Home Day Care—R-3 Occupancy.

International Residential Code, ~~2015 Edition~~2021 Edition Appendix AM, Home Day Care—R-3 Occupancy, is hereby adopted in its entirety.

18.10.362 Appendix AN, Venting Methods.

International Residential Code, ~~2015 Edition~~2021 Edition Appendix AN, Venting methods, is hereby adopted in its entirety.

18.10.363 Appendix AP, Sizing of Water Piping Systems.

International Residential Code, ~~2015 Edition~~2021 Edition Appendix AP, Venting methods, is hereby adopted in its entirety.

18.10.364 Appendix AQ, Tiny Houses.

International Residential Code, ~~2015 Edition~~2021 Edition Appendix AQ, Tiny Houses, is hereby adopted in its entirety.

18.10.365 Appendix AR, Light Straw Construction.

International Residential Code, ~~2015 Edition~~2021 Edition Appendix R, Light Straw Construction, is hereby adopted in its entirety.

18.10.366 Appendix AS, Strawbale Construction.

International Residential Code, ~~2015 Edition~~2021 Edition Appendix AS, Strawbale Construction, is hereby adopted in its entirety.

18.10.367 Appendix U, Solar ready Provisions—Detached One & Two Family Dwellings, Multiple Single Family Dwellings (Townhouses)

International Residential Code, ~~2015 Edition~~2021 Edition Appendix U, Solar-Ready Provisions, Detached One and Two Family Dwellings, Multiple Family Dwellings (Townhouses), is hereby adopted in its entirety.

18.10.370 Reserved.

18.10.380 Appendices.

International Residential Code, ~~2015 Edition~~2021 Edition, Appendices unless specifically adopted or referenced are retained as administrative guidance aids.

18.10.390 Conflicting ordinances.

All ordinances and parts of ordinances in conflict with the provisions of this chapter are hereby repealed as follows: Ordinance No. 014729 dated 12/12/2000, Ordinance No. 15967 dated 12-14-2004 and Ordinance No. 18510 dated 5-31-2016.

18.10.400 Violations and Penalties.

Any person, firm, corporation or agent who shall violate a provision of this Code or of the technical codes, or fail to comply therewith, or with any of the requirements thereof, or who shall erect, construct, alter, install, demolish or move any structure, electrical, gas, mechanical or plumbing system, or has erected, constructed, altered, repaired, moved or demolished a building, structure, electrical, gas, mechanical or plumbing system; in violation of a detailed statement or drawing submitted and permitted thereunder, shall be deemed guilty of a misdemeanor and punished by a fine not to exceed two thousand dollars. Each such person shall be deemed guilty of a separate offense for each and every day or portion thereof during which any violation of any of the provisions of this Code or of the technical codes is committed or continued.

SECTION 2. That except as herein amended Title 18 (Building and Construction), Chapter 18.10 (Residential Code) of the El Paso City Code shall remain in full force and effect.