

ORDINANCE O-2015-60

A BILL FOR AN ORDINANCE REPEALING AND REENACTING CHAPTER 16.06 OF THE LONGMONT MUNICIPAL CODE, ADOPTING BY REFERENCE THE 2015 EDITION OF THE INTERNATIONAL RESIDENTIAL BUILDING CODE

THE COUNCIL OF THE CITY OF LONGMONT, COLORADO, ORDAINS:

Section 2. International Residential Code and Appendices Adopted.

Chapter 16.06 of the Longmont Municipal Code is hereby repealed and reenacted to read as follows:

16.06.010. - International Residential Code for One and Two Family Dwellings, Including Appendix Chapters A, B, F, H, K, and P adopted.

Pursuant to Part 2 of Article 16 of Title 31, CRS, as amended, and Article IV, Municipal Charter of the City of Longmont, Colorado, there is adopted, as the building code of the City for detached one and two family dwellings, multiple single family dwellings (townhouses) not more than three stories in height with a separate means of egress, and their accessory structures, by reference thereto, the International Residential Code for One and Two Family Dwellings, 2015 Edition, including Appendix Chapters A, B, F, H, K, and P published by the International Code Council, Inc., 4051 West Flossmoor Road, Country Club Hills, IL 60478, that code to have the same force and effect as if set forth in this chapter in every particular, save and except such portions as are added, amended, deleted, or replaced in this chapter. The adopted code includes comprehensive provisions and standards regulating the construction, alteration, movement, enlargement, replacement, repair, equipment, use and occupancy, location, removal, and demolition of buildings and structures for the purpose of safeguarding life or limb, health, and public welfare. All references in this code to the International Residential Code are to the edition referenced above.

16.06.020. - Copies of code—Filing for public inspection.

At the time of adoption, one certified true copy of the International Residential Code for One and Two Family Dwellings, published by the International Code Council, is on file in the office of the city clerk and may be inspected by any interested person between 8:00 a.m. and 5:00 p.m., Monday through Friday, holidays excepted. The city shall keep a copy of the adopted code in the office of the chief enforcement officer for public inspection. The building code, as finally adopted, is available for sale at the office of the city clerk, at a price reflecting cost to the city as established by the city manager, pursuant to this municipal code.

16.06.030. - Section R101.1 amended—Title.

Section R101.1 of the International Residential Code is amended by the insertion of “the City of Longmont” in the brackets.

16.04.040. - Section R101.2 amended—Scope.

Section R101.2 of the International Residential Code is amended by the deletion of exceptions 1 and 2.

16.06.050. - Section 104.10.1 replaced—Flood hazard areas.

Section R104.10.1 of the International Residential Code is deleted in its entirety and replacing with the following:

See Chapter 20 of the Longmont Municipal Code for provisions regarding flood hazard areas.

16.06.060. - Section R105.2 amended—Work exempt from permit.

Section R105.2 of the International Residential Code is amended by the revision of the following subsections listed under Building:

Subsection 1: Change 200 to 120 square feet; and Subsections 2 and 10 shall be deleted in their entirety.

16.06.070. - Section R106.3.1 amended—Approval of construction documents.

Section R106.3.1 of the International Residential Code is amended by the following revision to sentence one:

When the building official issues a permit, the construction documents shall be approved in writing or by a stamp which states, “APPROVED AS NOTED.” One set of construction documents so reviewed shall be retained by the building official. The other set shall be returned to the applicant, shall be kept at the site of the work and shall be open to inspection by the building official or his or her authorized representative.

16.06.080. - Section R108.2 amended—Schedule of permit fees.

Section R108.2 of the International Residential Code is amended by the addition of the following:

Fees for any permit, plan review, or inspection required by this code shall be established from time to time by resolution of the city council.

16.04.090. - Section 108.5 replaced—Fee refunds.

Section 108.5 of the International Residential Code is deleted in its entirety and replaced with the following:

The building official shall refund any fee paid hereunder which was erroneously paid or collected. Where no work has been done under a permit, the permittee may forfeit the permit and receive a refund of 80 percent of the permit fee paid. Where an applicant has paid a plan review fee for a permit under this chapter, and then withdrawn or canceled the application before plan review concluded, the building official shall refund the applicant 80 percent of the plan review fee paid, less any city expenses for plan review by an outside consultant. The building official shall not authorize refunding of any fee paid except on written application filed by the original permittee not later than 180 days after the date of the fee payment.

16.06.100. - Section R109.4 replaced—Approval required.

Section R109.4 of the International Residential Code is deleted in its entirety and replaced with the following:

Construction or work for which a permit is required shall be subject to inspection by the building official and such construction or work shall remain accessible and exposed for inspection purposes until approved. Approval as a result of an inspection shall not be construed to be an approval of a violation of the provisions of this code or of other ordinances of the jurisdiction. Inspections presuming to give authority to violate or cancel the provisions of this

code or of other ordinances of the jurisdiction shall not be valid. It shall be the duty of the owner or the owner's authorized agent to cause the work to remain accessible and exposed for inspection purposes. Neither the building official nor the jurisdiction shall be liable for expenses entailed in the removal or replacement of any material required to allow inspection.

16.06.110 - Section R112 replaced—Board of appeals.

Section R112 of the International Residential Code is deleted in its entirety and replaced with the following:

R112.1 General. For provisions relating to the board of appeals, see chapter 16.30 of the Longmont Municipal Code.

16.06.120. - Section R113 replaced—Violations.

Section R113 of the International Residential Code is deleted in its entirety and replaced with the following:

R113.1 Unlawful acts. It is unlawful for any person to erect, install, alter, repair, relocate, add to, replace, demolish, use, occupy or maintain any building or structure, or cause or permit the same to be done, in violation of this code.

R113.2 Violation. Any person committing or permitting a violation of this code commits a separate offense for each day or part of a day during which the violation exists. Offenses are punishable according to Chapter 1.12 of the Longmont Municipal Code.

R113.3 Violation penalties. Imposition of one penalty for any violation shall not excuse the violation nor permit it to continue, and all such persons shall correct or remedy such violations or defect within a reasonable time.

R113.4 Prosecution of violation. In addition to any other penalties, any violation of this code is a public nuisance and shall be enjoined by a court of competent jurisdiction. Nothing in this code shall prevent the city attorney from seeking appropriate legal or equitable relief from any court of competent jurisdiction.

16.06.130. - Section R202 amended—Definitions.

Section R202 of the International Residential Code is amended by the addition of the following:

BEDROOM/SLEEPING ROOM: An enclosed space within a dwelling unit, used or intended to be used for sleeping purposes, meeting the minimum area requirements of the building code or containing a closet or similar area which is easily converted into a closet (such space needs only doors to become a closet).

CONDITIONED SPACE: An area, room or space that is enclosed within the building thermal envelope and that is directly heated or cooled or that is indirectly heated or cooled. Spaces that are indirectly heated or cooled must communicate through openings with conditioned spaces.

FLOOR AREA GROSS: Shall be as defined in Section 202 of the International Building Code, 2015 Edition.

STORY ABOVE GRADE PLANE: Any story having its finished floor surface entirely above grade plane, except that a basement shall be considered as a story above grade plane where the finished surface of the floor above the basement meets any one of the following:

1. Is more than 6 feet above grade plane.
2. Is more than 6 feet above the finished ground level for more than 50 percent of the total building perimeter.
3. Is more than 12 feet above the finished ground level at any point.

UNUSUALLY TIGHT CONSTRUCTION: Shall be defined as construction in which:

1. Walls and ceilings comprising the building thermal envelope have a continuous water vapor retarder with a rating of 1 perm (5.7·10⁻¹¹ kg/Pa · s · m²) or less with openings therein gasketed or sealed.
2. Storm windows or weather stripping is applied around the threshold and jambs of opaque doors and openable windows.
3. Caulking or sealants are applied to areas such as joints around window and door frames between sole plates and floors, between wall-ceiling joints, between wall panels, at penetrations for plumbing, electrical and gas lines, and at other similar openings.

16.06.140. - Section R301.1.1 amended—Alternative provisions.

Section R301.1.1 of the International Residential Code is amended by deleting the words International Building Code from the last sentence.

16.06.150. - Section R301.1.3 amended—Engineered design.

Section R301.1.3 of the International Residential Code is amended by deleting the last sentence.

16.06.160. - Section R301.2.1.1 amended—Wind limitation and wind design required.

Section R301.2.1.1 of the International Residential Code is amended by replacing the entire section with the following:

The basic wind speed for determining design wind pressure shall be 110 mph nominal or 142 mph ultimate.

Section R301.2.1 of the International Residential Code is further amended by replacing the reference to Section R905.2.4 in sentence five with Section R905.

16.06.170. - Table R301.2(1) amended—Climatic and geographic design criteria.

Table R301.2(1) of the International Residential Code is amended to read as follows:

GROUND SNOW LOAD	WIND Speed	SEISMIC DESIGN CATEGORY ^g	SUBJECT TO DAMAGE FROM				WINTER DESIGN TEMP ^f	ICE SHIELD	FLOOD HAZARDS ^h	AIR FREEZING INDEX	MEAN ANNUAL TEMP
			Weathering ^a	Frost line depth ^b	Termite ^c	Decay ^d					
30psf	110mph Nominal 142mph ultimate	B	Severe	30 inch (762mm)	Slight to Moderate	None to Slight	-2 ^o F (18.9 ^o C) -10 ^o F for boilers	No	January 1977	979	48.8

16.06.180. - Section R302.1 amended—Exterior Walls.

Section R302.1 of the International Residential Code is amended by the deletion of the first sentence and replacing it with the following:

Construction, projections, openings and penetrations of exterior walls of dwellings and accessory buildings shall comply with Table R302.1 (1); or dwellings equipped throughout with an automatic sprinkler system installed in accordance with Section P2904 or International Building Code Sections 903.3.1.1, 903.3.1.2, or 903.3.1.3 shall comply with Table R302.1 (2). Section R302.1 of the International Residential Code is further amended by the addition of the following exception:

Exception:

6. On exterior walls, where non-combustible cladding is installed over 5/8" Type "X" gypsum sheathing, three feet shall be the minimum fire separation distance.

16.06.190. - Section R302.2 amended—Townhouses.

Section R302.2 of the International Residential Code is amended by the addition of item #3 as follows:

3. Where a fire sprinkler system in accordance with IBC Section 903.3.1.2 or 903.3.1.3 is provided, the common wall shall be not less than a 1-hour fire-resistance-rated wall assembly tested in accordance with ASTM E 119 or UL 263.

16.06.200. - Section R302.3 amended—Two family dwellings.

Section R302.3 of the International Residential Code is amended by deleting exception 1 in its entirety.

16.06.210. - Section R302.13 amended—Fire protection of floors.

Section R302.13 of the International Residential Code is amended by deleting exception 2 and replacing it with the following, and by adding exceptions 5, 6, and 7, respectively, as follows:

2. Floor assemblies located directly above a crawlspace or basement where fuel fired equipment is not intended to be located.

5. For floor assemblies located over a basement or crawl space, mechanical equipment rooms not larger than 80 square feet constructed per Section R302.13 with minimum 1/2 inch gypsum wallboard on the enclosing walls and a self-closing weatherstripped solid door.

6. Floor assemblies located over a basement or crawl space, with mechanical equipment rooms not larger than 80 square feet may be constructed per exception #4, using fire treated I joists only above the furnace closet area with minimum 5/8 inch Type X gypsum wallboard on the enclosing walls and a self-closing weatherstripped solid core 20 minute rated door and frame.

7. For floor assemblies located over a basement or crawl space with a mechanical equipment room not larger than 80 square feet may be unprotected if a fire sprinkler head is installed in accordance with Section P2904 or International Building Code Sections 903.3.1.2 or 903.3.1.3, installed within the equipment room on a domestic water loop.

16.06. 220. - Section R303.4 amended—Mechanical ventilation.

Section R303.4 of the International Residential Code is amended by changing the number 5 in sentence one to 3.

16.06.230. - Section R304.1 amended—Minimum area.

Section R304.1 of the International Residential Code is amended by the addition of the following:

Every dwelling unit shall have at least one habitable room that shall have not less than 120 square feet of gross floor area.

16.06.240. - Section R305.1 amended—Minimum height.

Section R305.1 of the International Residential Code is amended by the addition of the following exception:

3. Areas of existing basements with ceiling heights below 6'8" in height shall not be considered habitable space and are not subject to variances from the Master Board of Appeals. The Building Official may allow existing basements with ceiling height between 6'8" and 7'0" to be finished and or occupied as habitable space provided there is no technically feasible solution to comply with the required ceiling height

16.06.250. - Section R308.4.6 amended—Glazing adjacent stairs and ramps.

Section R308.4.6 of the International Residential Code is amended by replacing 36 inches in the first sentence with 60 inches and in the exception, replacing the word "rail" with "guard."

16.06.260. - Section R310.1 amended—Emergency escape and rescue opening required.

Section R310.1 of the International Residential Code is amended by deleting the exception in its entirety.

16.06.270. - Section R310.2.2 amended—Window sill height.

Section R310.2 of the International Residential Code is amended by the addition of the following exception:

Existing emergency and escape rescue windows installed with permit before 1980 shall be allowed a sill height of up to 48 inches above the floor.

16.06.280. - Section R310.2.3 amended—Window wells.

Section R310.2.3 of the International Residential Code is amended by the addition of the following exceptions:

Exceptions:

2. Buildings constructed with permits issued before March 30, 1986, may use existing egress window wells, which are a minimum of 24 inches in depth from the foundation.

3. Buildings constructed with permits issued between March 30, 1986, and January 1, 1996, may use existing egress window wells, which are 30 inches in depth from the foundation.

16.06.290. - Section R310.3.2.1 amended—Drainage.

Section R310.3.2.1 of the International Residential Code is amended by the deletion of the exception.

16.06.300. - Section R310.5 amended—Dwelling additions.

Section R310.5 of the International Residential Code is amended by the deletion of the exceptions.

16.06.310. - Section R310.6 deleted—Alterations or repairs of existing basements.

Section R310.6 of the International Residential Code is amended by the deletion of this section.

16.06.320. - Section R313.1 amended—Townhouse automatic fire sprinkler systems.

Section R313.1 of the International Residential Code is amended by the insertion of, “The provisions of this section become effective January 1, 2019,” at the beginning of sentence one.

16.06.330. - Section R313.2 amended—One and two family dwellings automatic fire systems.

Section R313.2 of the International Residential Code is amended by the insertion of, “The provisions of this section become effective January 1, 2019,” at the beginning of sentence one.

16.06.340. - Section R314.2.2 amended—Alterations, repairs, and additions.

Section R314.2.2 of the International Residential Code is amended by the deletion of exception 2.

16.06.350. - Section R315.3 amended—Where required in existing dwellings.

Section R315.3 of the International Residential Code is amended by the addition of an exception as follows:

Exception:

Work involving the exterior surfaces of dwellings, such as the replacement of roofing or siding, or the addition of replacement windows or doors, or the addition of a porch or deck, are exempt from the requirements of this section.

16.06.360. - Section R322.1.6 amended—Protection of mechanical and electrical systems.

Section R322.1.6 of the International Residential Code is amended by the addition of exception #2 as follows:

2. Equipment installed as part of the original construction may be repaired or replaced.

16.06.370. - Section R401.1 amended—Application.

Section R401.1 of the International Residential Code is amended by the addition of the following before sentence one:

Foundations and structural floor slabs for buildings shall be designed by a Colorado registered professional engineer.

16.06.380. - Section R403.1.4.1 amended—Frost protection.

Section R403.1.4.1 of the International Residential Code is amended by the deletion of item 2, deletion of exceptions 2 and 3 and revising exception 1 to read as follows:

Exception:

1. Free-standing buildings meeting the following conditions shall not be required to be protected: Storage building 120 square feet or less with an eave height of 8 feet or less.

16.06.390. - Section R403.1.8 replaced—Foundations on expansive soils.

Section R403.1.8 of the International Residential Code is amended by the deletion of this section in its entirety and replacing it with the following:

Foundations and structural floor slabs for buildings located on expansive soils shall be designed by a Colorado registered professional engineer.

16.06.400. - Section R403.3 deleted—Frost-protected shallow foundations.

Section R403.3 of the International Residential Code is amended by the deletion of this section in its entirety.

16.06.410. - Section R405.1 deleted—Concrete or masonry foundations.

Section R405.1 of the International Residential Code is amended by the deletion of the exception.

16.06.420. - Section R405.2.3 amended—Drainage system.

Section R405.2.3 of the International Residential Code is amended by the deletion of the words “In other than Group I soils,” and replace with “Where allowed by the Longmont Municipal Code.”

16.06.430. - Section R 610.1 amended—General.

Section R 610.1 of the International Residential Code is amended by the deletion of the second sentence and replaced with the following:

When the provisions of this section are used to design structural insulated panel walls, project drawings, typical details and specifications are required to bear the seal of the architect or engineer responsible for the design.

16.06.440. - Section R905.1 amended—Roof covering application.

Section R905.1 of the International Residential Code is amended by the addition of the following:

All roofing materials installed shall carry a wind warrantee by the manufacturer of 110 MPH sustained wind.

16.06.450. - Section R908.1 amended—General.

Section R908.1 of the International Residential Code is amended by replacing the first sentence with the following:

When a building of any size is subjected to cumulative roof membrane damage of one hundred square feet or greater, the roof shall be replaced in its entirety. Materials and methods of application used for re-covering or replacing an existing roof covering shall comply with the requirements of Chapter 9.

16.06.460. - Section R 908.3.1.1 amended—Roof recover.

Section R908.3.1.1 of the International Residential Code is amended by replacing condition 3 with the following:

3. Where the existing roof has one or more applications of any type of roof covering.

16.06.470. - Section N1101.9 addition—Defined terms.

Section N1101.9 of the International Residential Code is amended by the addition of the following:

BEDROOM/SLEEPING ROOM: An enclosed space within a dwelling unit, used or intended to be used for sleeping purposes, meeting the minimum area requirements of the building code or

containing a closet or similar area which is easily converted into a closet (such space needs only doors to become a closet).

CONDITIONED SPACE: An area, room or space that is enclosed within the building thermal envelope and that is directly heated or cooled or that is indirectly heated or cooled. Spaces that are indirectly heated or cooled must communicate thru openings with conditioned spaces.

UNUSUALLY TIGHT CONSTRUCTION: Construction meeting the following requirements:

In buildings of unusually tight construction, combustion air shall be obtained from outside the sealed thermal envelope. In buildings of ordinary tightness, insofar as infiltration is concerned, all or a portion of the combustion air for fuel-burning appliances may be obtained from infiltration when the room or space has a volume of 50 cubic feet per 1,000 Btu/h input. Buildings classified as Group R occupancies, constructed with permits issued on or after March 1, 1989, are classified as buildings with unusually tight construction.

16.06.480. - Section N1101.9 amended—Interior design conditions.

Section N1101.9 of the International Residential Code is amended by the addition of the following:

The residential design parameters shall be -2 degrees Fahrenheit heating design and 91 degrees Fahrenheit cooling design.

Exception:

Boiler design parameters may be -10 degrees Fahrenheit heating design.

16.06.490. - Section TABLE N1102.1.2 amended—Insulation and fenestration requirement by component.

Table N1102.1.2 is amended by adding an Exception to footnote c. which states, “Insulate existing basement or crawl space walls to the level required when the residence was constructed or R-10 insulation minimum whichever is greater.”

16.06.500. - Section N1102.4.1 amended—Building thermal envelope.

Section N1102.4.1 of the International Residential Code is amended by replacing the first two sentences with the following:

The building thermal envelope shall comply with Section R402.4.1.1. The building thermal envelope shall be durably sealed to limit infiltration. The sealing methods between dissimilar materials shall allow for differential expansion and contraction. The following shall be caulked, gasketed, weatherstripped or otherwise sealed with an air barrier material, suitable film or solid material:

1. All joints, seams and penetrations
2. Site-built windows, doors and skylights
3. Openings between window and door assemblies and their respective jambs and framing
4. Utility penetrations
5. Dropped ceilings or chases adjacent to the thermal envelope
6. Knee walls
7. Walls and ceilings separating a garage from conditioned space
8. Behind tubs and showers on exterior walls

- 9. Common walls between dwelling units
- 10. Attic access openings
- 11. Rim joist junction
- 12. All other sources of infiltration

16.06.510. - Section N1102.4.1.2 amended—Testing.

Section N1102.4.1.2 of the International Residential Code is amended by changing the 3 air changes per hour in zones 3 through 8 in sentence one to 5.

16.06.520. - Section N1103.6 amended—Mechanical ventilation.

Section N1103.6 of the International Residential Code is amended by the addition of the following exception:

Exception: Combustion air intake for natural draft vented water heaters.

16.06.530. - Section N1103.10.4 amended—Covers.

Section N1103.10.4 of the International Residential Code is amended by the deletion of sentence one and insert the following:

Outdoor heated pools and outdoor spas heated to 90 degrees Fahrenheit or higher shall be provided with a vapor-retardant cover.

16.06.540. - Table M1601.1 amended—Duct construction minimum sheet metal thickness for single dwelling units.

Table M1601.1 of the International Mechanical Code is amended by the addition of the Table as follows:

DUCT SIZE	GALVANIZED		ALUMINUM MINIMUM THICKNESS (in.)
	Minimum thickness (in.)	Equivalent galvanized gage no.	
Round ducts and enclosed rectangular ducts			
14 inches or less	0.0157	28	0.0175
16 and 18 inches	0.0187	26	0.018
20 inches and over	0.0236	24	0.023
Exposed rectangular ducts			
14 inches or less	0.0157	28	0.0175
Over 14 inches ^a	0.0187	26	0.018

16.06.550. - Section M1602.1 amended—Return air.

Section M1602.1 of the International Residential Code is amended by the addition of the following:

A ducted return shall be provided from a central location at each floor level, and all rooms or areas shall have an approved means of pressure relief through permanent openings, such as ducted returns, jumper ducts or transfer grills. A minimum 1/3 of the area of return air

openings in a multi-story building shall be located within two feet of the uppermost ceiling height of any upper floor unless a multi-furnace system is installed.

Exception:

The building official may modify the requirement for height of return air openings due to structural limitations or practical difficulties.

16.06.560. - Section M1701.1 amended—Scope.

Section M1701.1 of the International Residential Code is amended by the addition of Section M1701.1.1 all air from indoors. Combustion and dilution air shall be permitted to be obtained entirely from the indoors in buildings that are not of unusually tight construction, in accordance with provisions of the 2015 International Fuel Gas Code Section 304.5 as amended.

Buildings classified as Group R occupancies, constructed with permits issued on or after March 1, 1989, are classified as buildings of unusually tight construction. For buildings of unusually tight construction, combustion air shall be obtained from the outdoors in accordance with provisions of the 2015 International Fuel Gas Code Section 304.6 as amended.

Exception:

Buildings classified as Group R or single family occupancies shall be provided with a minimum 28 inch² opening to outdoor air at the time of replacement or addition of fuel utilization equipment for which a permit is required.

16.06.570. - Section M2005.1 amended—General.

Section M2005.1 of the International Residential Code is amended by the addition of the following:

The minimum Energy Factor for residential water heaters shall be .64 for fuel-fired types, and .98 for electric types.

16.06.580. - Section G2403 amended—General definitions.

Section G2403 of the International Residential Code is amended by the addition of the following definitions:

BEDROOM/SLEEPING ROOM: An enclosed space within a dwelling unit, used or intended to be used for sleeping purposes, meeting the minimum area requirements of the building code or containing a closet or similar area which is easily converted into a closet (such space needs only doors to become a closet).

16.06.590. - Section G2404.2 amended—Other fuels.

Section G2404.2 of the International Residential Code is revised by the addition of section G2404.2.1, “Fuel gas prohibited. Liquefied petroleum gas shall not be used as a fuel source for equipment in any occupancy.”

Exception:

Construction or temporary heating in accordance with the fire code.

16.06.600. - Section G2417.4.1 amended—Test Pressure.

Section G2417.4.1 of the International Residential Code is revised by replacing the first sentence with “The test pressure to be used shall not be less than 10 pounds per square inch.”

16.06.610. - Section G2417.4.2 amended—Test Duration.

Section G2417.4.2 of the International Residential Code is revised by replacing the words “10 minutes” with the words “15 minutes.”

16.06.620. - Section P2503.5.1 amended—Rough plumbing.

Section P2503.5.1 of the International Residential Code is amended by replacing the first sentence with the following:

DWV systems shall be tested on completion of the rough piping installation by water or by air with no evidence of leakage.

16.06.630. - Section P2603.5 amended—Freezing.

Section P2603.5 of the International Residential Code is amended by the deletion of the second sentence and replacing it with the following: “Exterior water supply system piping shall be installed not less than 54 inches below grade.”

16.06.640. - Section P2603.5.1 amended—Sewer depth.

Section P2603.5.1 of the International Residential Code is amended by the insertion of “24” (inches) in the two sets of brackets.

16.06.650. - Section P2713.3 deleted—Bathtub and whirlpool bathtub valves.

Section P2713.3 of the International Residential Code is deleted in its entirety.

16.06.660. - Section P2901.1 replaced—Potable water required.

Section P2901.1 of the International Residential Code is deleted in its entirety and replaced it with the following:

Potable water shall be supplied to plumbing fixtures and plumbing appliances.

16.06.670. - Section P2902.5.3 amended—Lawn irrigation systems.

Section P2902.5.3 of the International Residential Code is amended by the addition of the following sentence:

All lawn irrigation systems shall be equipped with a rain sensing device.

16.06.680. - Section P2904.1 amended—Dwelling unit fire sprinkler systems.

Section P2904.1 of the International Residential Code sentence one is revised by adding the following:

For floor assemblies located over a basement or crawl space with a mechanical equipment room not larger than 80 square feet, a fire sprinkler head may be installed in accordance with Section P2904 or International Building Code Sections 903.3.1.2 or 903.3.1.3, installed within the equipment room on a domestic water loop.

16.06.690. - Section P2909 deleted—Drinking water treatment units.

Section P2909 of the International Residential Code is deleted in its entirety.

16.06.700. - Section P2910 deleted—Nonpotable water systems.

Section P2910 of the International Residential Code is deleted in its entirety.

16.06.710. - Section P2911 deleted—On-site nonpotable water reuse systems.

Section P2911 of the International Residential Code is deleted in its entirety.

16.06.720. - Section P2912 deleted—Nonpotable rainwater collection and distribution systems.

Section P2912 of the International Residential Code is deleted in its entirety.

16.06.730. - Section P2913 deleted—Reclaimed water systems.

Section P2913 of the International Residential Code is deleted in its entirety.

16.06.740. - Section P3009 deleted—Subsurface landscape irrigation systems.

Section P3009 of the International Residential Code is deleted in its entirety.

16.06.750. - Section AF103.3 amended—Basements or enclosed crawl spaces with soil floors.

Section AF103.3 of the International Residential Code is amended by deleting the word “basements” from this section and subsequent sections AF103.3.1 and AF103.3.2.

16.06.760. - Section AF103.3.2 amended—“T” fitting and vent pipe.

Section AF 103.3.2 of the International Residential Code is amended by deleting the number “3” and word “or” from the first sentence. Section AF 103.3.2 of the International Residential Code is further amended by the addition of the following after the last sentence:

“Provide an approved weather tight termination cap.”

“Note: The pipe throughout the system must be a minimum of 4 inches in diameter.”

16.06.770. - Section AF103.4.1 amended—Sub-slab preparation.

Section AF103.4.1 of the International Residential Code is amended by adding the following after the first sentence:

A uniform layer of clean aggregate, a minimum of 4 inches thick consisting of material that will pass through a 2-inch sieve and be retained by a ¼-inch sieve shall be installed.

16.06.780. - Section AF103.4.2 amended—Soil-gas-retarder.

Section AF103.4.2 of the International Residential Code is amended by deleting the word “A” at the beginning of the first sentence and replacing it with the words “An optional.”

16.06.790. - Section AF103.4.3 amended—“T” fitting and vent pipe.

Section AF 103.4.3 of the International Residential Code is amended by adding the following after the first sentence:

A 4-inch plumbing tee or other approved connection shall be inserted horizontally beneath the slab in basement construction or sheeting in crawl space construction and connected to a minimum 4 inch diameter vertical fitting installed through the slab and/or sheeting.

Section AF 103.4.3 of the International Residential Code is further amended, by the addition of the following after the last sentence:

Provide an approved weather tight termination cap.

Note: The pipe throughout the system must be a minimum of 4 inches in diameter.