

ORDINANCE O-2015-60

A BILL FOR AN ORDINANCE REPEALING AND REENACTING CHAPTER 16.12 OF
THE LONGMONT MUNICIPAL CODE, ADOPTING BY REFERENCE THE 2015 EDITION
OF THE INTERNATIONAL MECHANICAL CODE

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

Section 3. International Mechanical Code and Appendices Adopted.

Chapter 16.12 of the Longmont Municipal Code is hereby repealed and reenacted to read as follows:

16.12.010. - International Mechanical Code and Appendix Chapter A 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 mechanical code of the city, by reference thereto, the International Mechanical Code, 2015 Edition, including Appendix Chapter A, 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. All references in this code to the International Mechanical Code are to the edition referenced above.

16.12.020. - Copies—Filing for public inspection.

At the time of adoption, one certified true copy of the International Mechanical Code, 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.

16.12.030. - Section 101.1 amended—Title.

Section 101.1 of the International Mechanical Code is amended by the insertion of “the City of Longmont” in the brackets.

16.12.040. - Section 106.1.1 deleted—Annual permit.

Section 106.1.1 of the International Mechanical Code is deleted in its entirety.

16.12.050. - Section 106.1.2 deleted—Annual permit records.

Section 106.1.2 of the International Mechanical Code is deleted in its entirety.

16.12.060. - Section 106.5.2 amended—Fee schedule.

Section 106.5.2 of the International Mechanical Code is amended by the addition of the following:

The fee for any permit required by this code shall be established from time to time by resolution of the city council.

16.12.070. - Section 106.5.3 replaced—Fee refunds.

Section 106.5.3 of the International Mechanical 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.

16.12.080. - Section 108 replaced—Violations.

Section 108 of the International Mechanical Code is deleted in its entirety and replaced with the following:

108.1 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.

108.2 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.

108.3 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.

108.4 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.

16.12.090. - Section 109 replaced—Means of appeal.

Section 109 of the International Mechanical Code is deleted in its entirety and replaced with the following:

109.1 General. For provisions relating to the board of appeals, see Chapter 16.30 of the Longmont Municipal Code.

16.12.100. - Section 202 amended—Definitions.

Section 202 of the International Mechanical 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.

16.12.110. - Section 312.1 amended—Load calculations.

Section 312.1 of the International Mechanical Code is amended by the addition of the following:

Residential heating and air conditioning equipment shall be sized based on building loads calculated in accordance with Air Conditioning Contractors of America (ACCA) Manual S based on building loads calculated in accordance with ACCA Manual J, Load Calculations for Residential Winter and Summer Air Conditioning, or other approved equivalent or improved heating and cooling methodologies.

16.12.120. - Section 508.1 amended—Makeup air.

Section 508.1 of the International Mechanical Code is amended by the addition of the following:

Mechanical makeup air systems shall be interconnected with an extinguishing system or detector device so that upon activation of either, the makeup system shall be shut off.

16.12.130. - Section 510.6.5 amended—Makeup air.

Section 510.6.5 of the International Mechanical Code is amended by the addition of the following:

Makeup air systems serving a ventilation system provided for explosive or flammable vapors, fumes or dusts shall be interconnected with an extinguishing system or a detector device so that upon activation of either, the makeup system shall be shut off.

16.12.140. - Section 601.5 amended—Return air openings.

Section 601.5 of the International Mechanical Code is amended by the addition of the following:

In residential occupancies, 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 shall be located within two feet of the uppermost ceiling height.

Exception:

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

16.12.150. - Table 603.4 amended—Duct construction minimum sheet metal thickness for single dwelling units.

Table 603.4 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

16.12.160. - Section 701.1 amended—Scope.

Section 701.1 of the International Mechanical Code is amended to include the following:

701.1.1 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 304.6 as amended.

Exception:

Buildings classified as Group R 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.

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.

16.12.170. - Section 1002.1 amended—General.

Section 1002.1 of the International Mechanical Code is amended by the addition of the following:

The minimum energy factor for residential electric water heaters shall be .98 and .64 for fuel-fired types.

16.12.180. - Section 1004.1 amended—Standards.

Section 1004.1 of the International Mechanical Code is amended by the deletion of the two words “oil-fired” at the beginning of sentence one.

16.12.190. - Section 1004.2 amended—Installation.

Section 1004.2 of the International Mechanical Code is amended by the addition of two subsections as follows:

1004.2.1 Certificate of Inspection. It is unlawful to operate a boiler or pressure vessel without first obtaining a valid Certificate of Inspection. Such certificate shall be displayed in a conspicuous place on or near the boiler or vessel. The Certificate of Inspection shall not be issued until the equipment has been inspected and approved.

Exception:

The operation only of steam heating boilers, low pressure hot water heating boilers, hot water supply boilers, and pressure vessels in Group R Occupancies of less than six dwelling units and in Group U Occupancies.

1004.2.2 Operation and maintenance of boilers and pressure vessels. Boilers and pressure vessels shall be operated and maintained in conformity with nationally recognized standards and requirements for adequate protection of the public. The boiler inspector shall notify the owner or the authorized representative of defects or deficiencies, which shall be properly and promptly corrected. If such corrections are not made, or if the operation of the boiler or pressure vessel is deemed unsafe, the permit to operate the boiler or pressure vessel may be revoked. If the operation of a boiler or pressure vessel is deemed to constitute an immediate danger, the pressure on such boiler or pressure vessel shall be relieved at the owner's cost, and the boiler or pressure vessel shall not be operated without approval of the boiler inspector.

16.12.200. - Section 1011.1 replaced—Tests.

Section 1011.1 of the International Mechanical Code is deleted in its entirety and replaced with the following:

1011.1 Tests. An installation for which a permit is required shall not be put into service until it has been inspected and approved. It is the duty of the owner or his or her authorized representative to notify the state boiler inspector or an authorized alternate that the installation is ready for inspection and test.