

ORDINANCE NO. 2002-00069

AN ORDINANCE ADDING ARTICLE VI OF CHAPTER SIX OF THE CODE OF ORDINANCES OF THE CITY OF LUBBOCK, TEXAS WITH REGARD TO ADOPTING THE 2000 EDITION OF THE INTERNATIONAL RESIDENTIAL CODE AND PROVIDING FOR CERTAIN AMENDMENT IN ORDER TO MEET LOCAL CONDITIONS; PROVIDING A PENALTY; PROVIDING A SAVINGS CLAUSE; AND PROVIDING FOR PUBLICATION. THIS ORDINANCE SHALL TAKE PRECEDENT OVER ALL OTHER PORTIONS OF CHAPTER 6 IN REGARD TO ONE AND TWO FAMILY DWELLINGS EXCEPT FOR THE ADMINISTRATIVE PROVISIONS.

WHEREAS, it is the opinion of the City Council that the best interests of the citizens of the City of Lubbock would be served by adopting the 2000 Edition of the International Residential Code, 5th Printing, for Lubbock with certain amendments to meet local conditions; NOW THEREFORE:

BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF LUBBOCK:

SECTION 1. THAT the 2000 Edition of the International Residential Code and is hereby adopted.

SECTION 2. THAT Section 6-300 of the Code of Ordinances of the City of Lubbock, Texas, read as follows:

Section R101.3. The purpose of this code is to provide minimum requirements to safeguard life or limb, health, public welfare and including affordability.

SECTION 3. THAT Section 6-301. of the Code of Ordinances of the City of Lubbock, read as follows:

Section R105.2, Item 2, Fences not over 7 feet (2100 mm.) high.

SECTION 4. THAT Section 6-302. of the Code of Ordinances of the City of Lubbock,

Section R110 by deleting entire section.

SECTION 5. THAT Section 6-303, of the Code of Ordinances of the City of Lubbock, read as follows:

Section R111.2 The building official shall have the authority to authorize and approve the temporary connection of the building or system to the utility source of energy, fuel or power. Temporary utilities may not be transferred out of permittees name until the building final inspection has been completed.

SECTION 6. THAT Section 6-304, of the Code of Ordinances of the City of Lubbock,

Complete Table R301.2(1) shall read as follows:

ROOF SNOW LOAD	WIND	SEISMIC DESIGN CATEGORY	SUBJECT TO DAMAGE FROM			WINTER DESIGN FLOOD TEMP. HAZARDS
	SPEED (mph)		Frost Line Weathering depth.	Termite	Decay	
20	90	A	MOD. 12"	M	none	15 a

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

- a. As per FIRM adopted June 18, 1996.

Section 6-303. Overhangs.

Section R302.1 Exterior Walls by adding the following exception after Item 2:

Exception: In garden home developments with easements specifically allowing overhangs to project into adjacent lots, overhangs may project a maximum of 2 feet across the property line. Such overhangs must be one-hour fire resistive construction and be decked with fire retardant treated decking. The overhang shall not be equipped with soffit vents.

Section 6-304. Bathrooms.

Section R303.3 Bathrooms by adding the following to the exception:

Or into a ventilated attic at least 10" above the ceiling joist or to a soffit or gable or eave vent.

Section 6-305. Stairway Lighting.

Section R303.4.1 Light activation. The control for activation of the required interior stairway lighting shall be accessible at the top and bottom of each stairway without traversing any steps. The illumination of exterior stairways shall be controlled from inside the dwelling unit.

Exceptions:

1. Lights that are continuously illuminated or automatically controlled.
2. Interior Stairways consisting of less than 6 steps.

Section 6-306. Glazing.

Section R308.4 Hazardous Locations by changing exception 2 to read:

2. Decorative glass in items 1, 5, 6, or 7

and by changing Exception 5 to read:

5. Glazing in Section R308.4, Items 6 and 9, when a protective bar is installed on the accessible side(s) of the glazing 36 inches + 2 inches (914 mm + 51 mm) above the floor. The bar shall be capable of withstanding a horizontal load of 50 pound per linear foot (74.5 kg/m) without contacting the glass and be a minimum of 1 1/2 inches (38 mm) in height.

and by changing Exception 9 to read:

10. Glazing in item 5 that is 60 or more inches away from compartments.

Section 6-307. Sill Height

Section 310.1 by amending the second sentence to read:

Where openings are provided as a means of escape and rescue they shall have a sill height of not more than 44 inches (118 mm) above the adjacent interior standing surface. The net clear opening dimensions required by this section shall be obtained and further amend it by adding an exception that reads as follows:

Exception: Basements not containing bathing facilities or designated as a bedroom may be provided with escape openings as follows:

- (A) Basements up to 500 square feet – No exterior opening requirements.
- (B) Basements up to 800 square feet – modified egress requirements.

(One of the following options)

- 1) Residential Sprinkler System: 13-R
 - 2) Top of basement stairs to be located within 10' of exterior door or egress windows
 - 3) Top of basement stairs to be located within 20' of exterior door or egress window if path is protected by 1 hour assembly.
 - 4) Other design acceptable to Building Inspection Department.
 - 5) IRC Egress Requirements: R310.1
- (C) Basements over 800 square feet – Egress requirements as per IRC: R310.1 or residential sprinkler system: 13-R throughout the building.

Further amend R310.1 changing it as follows:

R310.1 Emergency escape and rescue required. Basements with habitable space and every sleeping room shall have at least one openable emergency escape and rescue window or exterior door opening for emergency escape and rescue. Where openings are provided as a means of escape and rescue they shall have a sill height of not more than 44 inches (118 mm) above the adjacent interior standing surface. The net clear opening dimensions required by this section shall be obtained by the normal operation of the window or door opening from the inside. Escape and rescue window openings from the finished sill height below the adjacent ground elevation shall be provided with a window well in accordance with Section R310.2

Section 6-308. Minimum Opening Area.

Section R310.1.1 by deleting and replacing with the following:

R310.1.1 Minimum Opening Area. All emergency escape and rescue openings shall have a minimum net clear opening of 3.8 square feet. Exception – Delete.

Delete Sections R310.1.1, R310.1.2, and R310.1.3, and replace with the following:

R310.1.1 Minimum Opening Area. All escape or rescue windows from sleeping rooms in one or two-story single-family residences only shall be classified into windows which have sashes that slide in a frame or sashes that hinge or pivot in

the frame. All windows which slide in the frame shall have net clear opening of three and eight-tenths (3.8) square feet, with minimum clear opening dimensions of twenty (20) inches of either height or width. All windows which pivot in the frame shall have a net clear opening of four and eight-tenths (4.8) square feet.

Section 6-309. Handrails.

Section R315.1 by deleting and replace with a section as follows:

R315.1 Handrails. Handrails shall be provided on at least one side of stairways consisting of three or more risers. Handrails shall have a minimum height of 34 inches (864 mm) and a maximum height of 38 inches (965 mm) measured vertically from the nosing of the treads. All required handrails shall be continuous the full length of the stairs from a point directly above the top riser to a point directly above the lowest riser of the stairway. The ends of the handrail shall be returned into a wall or shall terminate in newel posts or safety terminals. A minimum clear space of 1-1/2' inches (38 mm) shall be provided between the wall and the handrail.

Retain the exceptions.

Section 6-310. Membrane Penetrations.

Section R321.3.2 by deleting exceptions 1 and 2 and replacing them with the following:

1. Steel electrical boxes that do not exceed 16 square inches (0.0103mm) in area provided the total area of such openings does not exceed 100 square inches (0.0645 mm) for any 100 square feet (9.29 mm) of wall area. Outlet boxes on opposite sides of the wall shall be separated as follows:
 - 1.1 By a horizontal distance of not less than 24 inches (610 mm), or
 - 1.2 By a horizontal distance of not less than the depth of the wall cavity when the wall cavity is filled with cellulose loose-fill or mineral fiber insulation, or
 - 1.3 By solid fire blocking in accordance with Section R602.8.1 or
 - 1.4 By other listed materials and methods.
2. Membrane penetrations for listed electrical outlet boxes of any materials are permitted provided such boxes have been tested for use in fire resistance-rated assemblies and are installed in accordance with the instructions included in the listing.

Section 6-311. Vapor Retarders.

Delete Section R322

Section 6-312. Termite Protection.

Section R324.1 Subterranean termite control. In areas favorable to termite damage as established by Table R301.2(1), methods of protection shall be by chemical soil

treatment, pressure preservatively treated wood in accordance with the AWWA standards listed in Section R323.1, naturally termite-resistant wood or physical barriers (such as metal or plastic termite shields), or any combination of these methods or any other industry approved methods.

Section 6-313 - 330. Reserved.

Section 6-331. Fill.

Section R403.1.4 Minimum depth. All exterior footings and foundation systems shall extend below the frost line specified in Table R301.2(1). All exterior footings shall be placed at least 12 inches (205 mm) below the undisturbed ground or engineered fill compacted to 95% standard procter.

Section 6-332. Footings.

Table R403.1 by changing the footing width for footings carrying 1-story with 4” brick veneer to 14” and for two-story to 16”.

Section 6-333. Bottom Plates.

Section 403.1.6 by adding another exception to read as follows:

3. Power actuated pins may be used within 12” of splices.

Section 6-334. Foundation Elevation.

Section R403.1.7.3 Foundation Elevation by deleting and adding the following::

Section 403.1.7.3 The finished floor elevation shall be determined by Table 403.1.7.3

Table 403.1.7.3

**MINIMUM FLOOR ELEVATION FOR STRUCTURES
RELATIVE TO SLOPES OF THE LOT**

Difference in elevation from top of curb to rear property line	Minimum floor elevation above top of curb when slope is to rear	Minimum floor elevation above top of curb when slope is to front
0 inches	12 inches	12 inches
6 inches	10.5 inches	13.5 inches
12 inches	9 inches	15 inches
18 inches	8 inches	16.5 inches
24 inches	6 inches	18 inches
30 inches	6 inches	19.5 inches
36 inches	6 inches	21 inches

- (1) The ground shall slope away from the building in all directions.
- (2) The minimum distance from the finished ground elevation to the top of the floor shall be eight (8) inches at all locations around the building.

- (3) *Minimum floor elevations.* The minimum floor elevation shall be determined by using the top of the floor slab and shall be a minimum of six (6) inches above the calculated peak water surface elevation as determined by the City Engineer. Table 18-I-D shall be the standard for determining the correct finish floor elevations depending on the slope of the lot. It shall be the responsibility of the builder/contractor to provide the City Building Official with a survey certificate indicating the required finish floor elevation as determined by the surveyor. The required elevation shall be indicated on the construction plans and marked on the front street curb. Structures located in any floor hazard area shall comply with all F.E.M.A. regulations.

Section 6-334. Brick Ledges.

Delete Section R404.1.6.

Section 6-335. Foundation Drainage.

Section R405.1 Foundation Drainage by adding exception 2

A drainage system is not required if undisturbed soil line is 3 feet or more from exterior drip line.

Section 6-336. Damp Proofing.

Section R405.1 by adding an exception as follows:

- 3 Damp proofing is not required if undisturbed soil line is 3 or more feet from exterior drip line.

Section 6-337. Cantilevers.

Add a new Section R502.3.3 as follows:

R502.3.3 Floor cantilevers. Floor cantilever spans shall not exceed the nominal depth of the wood floor joist. Floor cantilevers constructed in accordance with Table R502.3.3 shall be permitted when supporting a light-frame bearing wall and roof only. The ratio of backspan to cantilever span shall be at least 3 to 1.

Section 6-338. Cantilevers.

Add a new Table R502.3.3

Section 6-339. Reserved.

Section 6-340. Trusses.

Section R502.11.4 by beginning the section as follows:

502.11.4 Truss design drawings. Upon the request of the building official.

Section 6-341. Flashing.

Section R703.7.5 by deleting and replacing with the following:

Flashing shall be located above shelf angles, lintels that are not protected by eaves or patios when masonry veneers are designed in accordance with Section R703.7. See Section R703.8 for additional requirements.

Delete R703.7.6

Section 6-342. Purlins.

Section R802.5.1 to read as follows:

Purlins. Purlins are permitted to be installed to reduce the span of rafters as shown in figure R802.5.1 purlins shall be sized no less than the required size of the rafters that they support or be designed to carry and distribute the specific load (i.e. insulation). The braces shall be spaced not more than 6' feet on center and the unbraced length of braces shall not exceed 8 feet.

Section 6-343.

Section R907.3 by deleting exception 4.

Section 6-344. Energy.

Delete Chapter 11.

Section 6-345 – 365. Reserved.

Section 6-351. Weepholes.

Delete Section R703.7.6

Section 6-366. Sizing.

Delete Section M1401.3 and replace with the following:

M1401.3 Sizing. Heating and cooling equipment will be sized by the installing contractor based on building loads calculated in accordance with ACCA Manual J or other approved heating and cooling calculation methodologies.

Section 6-367. Insulation of Refrigerant Piping.

Delete Section M1411.4 amend to read as follows:

M1411.4 Insulation of Refrigerant Piping. Piping and fittings for refrigerant vapor (suction) lines shall be insulated with 3/8 wall closed cell insulation having a thermal resistivity of at least $R = 2.D \text{ hr-ft}^2 - \text{F/BTU}$ and having external surface permanence not exceeding 0.05 perms when tested in accordance with ASTM E96.

Section 6-368. Clothes Dryer Exhaust.

M1501.1 General. Dryer exhaust systems shall be independent of all other systems, shall convey the moisture to the outdoors and shall terminate on the outside of the building. Exhaust duct terminations shall be in accordance with the dryer manufacturer's installation instructions. Screens shall not be installed at the duct termination. Exhaust ducts shall not be connected with sheet-metal screws or fastening means which extend into the duct. Exhaust ducts shall be equipped with a backdraft damper, except on vertical outlets. Exhaust ducts shall be constructed of minimum 0.016-inch-thick (0.406 mm)

rigid metal ducts, having smooth interior surfaces with joints running in the direction of air flow. Flexible transition ducts used to connect the dryer to the exhaust duct system shall be limited to single lengths, not to exceed 8 feet (2438 mm) in length and shall be listed and labeled in accordance with UL 2158

- a. Transition ducts shall not be concealed within construction. PVC pipe may be used as exhaust duct when used in attic spaces.

Section 6-379. Support.

Section M1601.3.2 by changing the first sentence as follows:

Amend 1601.3.2 Support. Metal ducts shall be supported by 0.5 inch (12.3 mm) wide 24 gauge metal straps.

Section 6-380. Test Pressure Measurements.

Section G2416.4(406.4) to read as follows:

G2416.4(406.4) Test Pressure Measurement. Test pressure shall be measured with a mercury gauge or spring gauge with at least a 4" diameter face with a 15# reading designed and calibrated to read, record or indicate a pressure loss due to leakage during the pressure test period. The source of pressure shall be isolated before the pressure tests are made.

Section 6-381. Test Pressure.

Section G2416.4.1 by deleting and replacing it with the following:

G2416.2 (406.4.1) Test Pressure. The test pressure to be used shall be not less than one and one half times the proposed maximum working pressure, but not less than 15" mercury or 8psig, irrespective of design pressure. Where the test pressure exceeds 125 psig, the test pressure shall not exceed a value that produces hoop stress in the piping greater than 50 percent of the specified minimum yield strength of the pipe.

Section 6-382. Test Duration.

Section G2416.4.2(406.4.2) Test duration. The test duration shall be not less than 15 minutes.

Section 6-383. Sediment Trap.

Delete Section G2418.4 Sediment Trap.

Section 6-384. Appliance Fuel Connectors.

Section G2421.1.2(411.1.2) Appliance Fuel Connectors. Connectors shall have an overall length not to exceed 3 feet (914 mm), except for range and domestic clothes dryer connectors, which shall not exceed 6 feet (1829 mm) in length. Connectors shall not be concealed within or extended through walls, floors, partitions, or ceilings. A shutoff valve not less than the nominal size of the connector shall be installed ahead of the connector in accordance with Section G2419.5. Connectors shall be sized to provide the total demand of the connected appliance.

Section 6-385. Exhaust Material.

Section G2437.3(613.4) Exhaust Material. Dryer exhaust ducts for clothes dryers shall terminate on the outside of the buildings. Screens shall not be installed at the duct termination. Ducts shall not be connected or installed with sheet metal screws or other fasteners that will obstruct the flow. Clothes dryer exhaust ducts shall not be connected to a vent connector, vent or chimney. Clothes dryer exhaust ducts shall not extend into or through ducts or plenums unless properly sleeved.

Section 6-386. Clothes Dryer Ducts.

Section G2437.5(613.6) Clothes Dryer Ducts. Exhaust ducts for domestic clothes dryers shall have a smooth interior finish. The exhaust duct shall be a minimum nominal size of 4 inches (102 mm) in diameter. The entire exhaust system shall be supported and secured in place. The male end of the duct at overlapped duct joints shall extend in the direction of airflow. Clothes dryer transition ducts used to connect the appliance to the exhaust duct system shall be metal and limited to a single length not to exceed 8 feet (2438 mm) in length and shall be listed and labeled for the application. PVC pipe may be used as exhaust duct when used in attic space.

Section 6-387. Building Sewer Testing.

Section G2503.4 to read as follows:

P2503.4 Building Sewer Testing. The building sewer shall be insertion of a test plug at the point of connection with the public sewer and filling the building with water, testing with not less than a 5 foot head of water and be able to maintain such a pressure for 15 minutes.

Section 6-388. Finished Plumbing.

Section P2503.5.2 Finished Plumbing by deleting Items 2, 2.1, and 2.2.

Section 6-389. Pan Size and Drain.

Section P2801.5.1 Pan Size and Drain by changing it to read as follows:

The pan shall be not less than 1.5 inches (38 mm) deep and shall be of sufficient size and shape to receive all dripping and condensate from the tank or water heater. The pan shall be drained by an indirect waste minimum diameter of $\frac{3}{4}$ inch (19.05mm) or the outlet diameter of the relief valve, whichever is larger.

Section 6-390. Water Heater.

Section P2903.5 Water Hammer shall read as follows:

The flow velocity of the water distribution system shall be controlled to reduce the possibility of water hammer.

Section 6-391. Minimum Size.

Section P2903.8.2 Minimum Size by deleting the last size.

Section 6-392. Maximum Length.

Delete Section P2903.8.3 Maximum Length.

Section 6-393. Hose Bibb Bleed.

Delete Section P2903.8.7 Hose Bibb Bleed.

Section 6-394. Service Valve.

Section P2903.9.1 Service Valve shall read as follows:

Each dwelling unit shall be provided with an accessible main shutoff valve near the entrance of the water service. Additionally, the water service shall be valved at the curb or property line in accordance with local requirements.

Section 6-395. Water Heater Valve.

Section P2903.9.2 Water Heater Valve by replacing with the following:

P2903.9.2 Water Heater Valve. A readily accessible valve shall be installed in the cold-water supply pipe to each water heater at or near the water heater.

Section 6-396. Hose Bibb.

Delete Section P2903.10 Hose Bibb.

Section 6-397. Joints.

Section P3003.4.5 Joints Between Drainage Pipes and Water Closets shall read as follows:

Joints between drainage piping and water closets or similar fixtures shall be made by means of a closet flange compatible with the drainage system material, securely fastened to a structurally firm base. The joint shall be bolted, with an approved gasket or setting compound between the fixture and the closet flange.

Section 6-398. Horizontal to Vertical.

Section P3005.1.1 Horizontal to Vertical (multiple connection fittings) by deleting the exception.

Section 6-399. Cleanouts.

Section P3005.2.7 Building Drain and Building Sewer Junction shall read as follows.

There shall be two-way cleanout near the junction of the building drain and building sewer. This cleanout may be either inside or outside the building wall, provided it is brought up to finish grade or to the lowest floor level. An accessible interior building drain cleanout or test tee within close proximity to the building drain exit point shall fulfill this requirement.

Section 6-400. Main Vent.

Section P3102.1 Main Vent Required shall read as follows:

Every building shall have a main vent that is either a vent stack or a stack vent. Such vent shall be a minimum of 3" and shall run undiminished in size and as directly as possible from the building drain through to the open air above the roof.

Section 6-401. Roof Extension.

Section P3103.1 Roof Extension to read as follows:

All open vent pipes which extend through a roof shall be terminated at least 10 inches above the roof.

Section 6-402. Vertical Rise.

Add an exception to Section P3104.4 Vertical Rise of Vent to read as follows:

Exception: A flat vent may be permitted for kitchen sinks where a window or opening make a vertical rise impractical.

Section 6-403. Vent Connection.

Section P3110.2 Vent Connection shall read as follows:

The circuit vent connection shall be located between the two most upstream fixture drains. The vent shall connect to the horizontal branch and shall be installed in accordance with Section P 3104.

Section 6-404. Electrical.

Delete Part VIII Electrical.

Section 6-405. Swimming Pools, Spas, and Hot Tubs.

Adopt Appendix G

AND IT IS SO ORDERED.

Passed by the City Council on first reading this 23rd day of May, 2002.

Passed by the City Council on second reading this 13th day of June, 2002.

MARC McDOUGAL, MAYOR

ATTEST:

Rebecca Garza, City Secretary

APPROVED AS TO CONTENT:

/s/ John Pierce

John Pierce

APPROVED AS TO FORM:

/s/ John M. Knight

John M. Knight, Asst. City Attorney