

**CITY OF LA VISTA
MAYOR AND CITY COUNCIL REPORT
AUGUST 17, 2010 AGENDA**

Subject:	Type:	Submitted By:
ADOPTION OF NEW BUILDING, PLUMBING, MECHANICAL & ELECTRICAL CODES	RESOLUTION ◆ ORDINANCE RECEIVE/FILE	ANN BIRCH COMMUNITY DEVELOPMENT DIRECTOR

SYNOPSIS

A public hearing has been scheduled and an ordinance prepared to adopt the 2006 I-Codes and the 2008 National Electrical Code, with amendments.

FISCAL IMPACT

N/A.

RECOMMENDATION

Approve.

BACKGROUND

A public hearing has been scheduled to consider the adoption of the 2006 I-Codes, which consist of the International Building Code, International Residential Code, International Plumbing Code, International Mechanical Code, International Fuel Gas Code, International Energy Conservation Code, and the 2008 National Electrical Code.

The adoption of these codes would bring La Vista in line with the building codes of other metro-area communities. The Chief Building Official is recommending several amendments to the I-Codes attached for your review which will be presented during the public hearing. These amendments will not compromise building safety or add any unnecessary costs to buildings. Copies of the 2006 I-Codes are available in the Building Inspector's office and can be reviewed upon request.

The Planning Commission held a public hearing on July 15, 2010 and unanimously recommended approval of the amended 2006 I-Codes and the 2008 National Electrical Code.

ORDINANCE NO. _____

AN ORDINANCE TO AMEND SECTIONS 150.01, 150.02, 150.04, AND 150.05 OF THE LA VISTA MUNICIPAL CODE RELATING TO STANDARD CODES AND REGULATION OF BUILDINGS, STRUCTURES, MECHANICAL, PLUMBING, ELECTRICAL AND RELATED WORK, MATERIALS AND REQUIREMENTS; TO REPEAL SECTIONS 150.01, 150.02, 150.04, AND 150.05 AS PREVIOUSLY ENACTED; TO PROVIDE FOR SEVERABILITY; AND TO PROVIDE FOR THE EFFECTIVE DATE HEREOF.

BE IT ORDAINED BY THE MAYOR AND CITY COUNCIL OF THE CITY OF LA VISTA, SARPY COUNTY, NEBRASKA:

SECTION 1. Amendment of Section 150.01. Section 150.01 of the La Vista Municipal Code is hereby amended to read as follows:

“§ 150.01 BUILDING CODE. Portions of standard codes and additional requirements, rules and regulations specified below are hereby adopted as the Building Code of the City of La Vista for regulating the erection, construction, enlargement, alteration, repair, moving, removal, demolition, conversion, occupancy, equipment, use, height, area and maintenance of all buildings or structures within the jurisdiction of the City of La Vista and providing for the issuance of permits and collection of fees therefore. Provisions of the standard codes and additional requirements, rules and regulations adopted herein shall be applied, interpreted and construed together and consistently to the extent possible. Unless otherwise indicated by context or otherwise, references to any table, section or subsection shall mean the corresponding provision of the relevant standard code.

§ 150.01.01 INTERNATIONAL BUILDING CODE PROVISIONS ADOPTED BY REFERENCE.

Two copies of certain documents in book form, being marked and designated as the *International Building Code*, 2006 Edition, (“IBC”) are on file in the Office of the City Clerk of the City of La Vista. With the exception of portions of §105.2 preceding §105.2.1, and §§907.1.1, 907.1.2 and 3401.3 the following portions of said IBC are hereby adopted: Chapters 1 thru 35 inclusive, and Appendix “I”, Patio Covers, and “J”, Grading (“Adopted IBC Provisions”); and each and all of the regulations, provisions, conditions and terms of such Adopted IBC Provisions, and all amendments, revisions or editions thereto on file or hereafter placed on file in the Office of the City Clerk of the City of La Vista, are hereby referred to, adopted and made a part hereof as if fully set out herein.

§ 150.01.01.01 Additional Requirements, Rules and Regulations Adopted.

A. Work exempt from permit (adopted in lieu of portions of IBC §105.2 preceding §105.2.1). Exemptions from permit requirements of the Adopted IBC Provisions shall not be deemed to grant authorization for any work to be done in any manner in violation of the provisions of said Adopted IBC Provisions or any other laws or ordinances of this jurisdiction. Permits shall not be required for the following:

Building:

1. One-story detached accessory structures used as tool and storage sheds, playhouses and similar uses, provided the floor area does not exceed 80 square feet.
2. Oil derricks.
3. Retaining walls which are not over 4 feet (1219 mm) in height measured from the bottom of the footing to the top of the wall, unless supporting a surcharge or impounding Class I, II or IIIA liquids.
4. Water tanks supported directly on grade if the capacity does not exceed 5,000 gallons (18 925 L) and the ratio of height to diameter or width does not exceed 2 to 1.
5. Painting, papering, tiling, carpeting, cabinets, counter tops and similar finish work.
6. Temporary motion picture, television and theater stage sets and scenery.
7. Prefabricated swimming pools accessory to a Group R-3 occupancy that are less than 24 inches deep and installed entirely above ground.
8. Shade cloth structures constructed for nursery or agricultural purposes, not including service systems.
9. Swings and other playground equipment accessory to detached one- and two-family dwellings.
10. Window awnings supported by an exterior wall that do not project more than 54 inches (1372 mm) from the exterior wall and do not require additional support of Group R-3 and Group U occupancies.
11. Movable cases, counters and partitions not over 5 feet 9 inches (1753 mm) in height.

Electrical:

Repairs and maintenance: Minor repair work, including the replacement of lamps or the connection of approved portable electrical equipment to approved permanently installed receptacles.

Radio and television transmitting stations: Adopted IBC Provisions shall not apply to electrical equipment used for radio and television transmissions, but do apply to equipment and wiring for a power supply and the installations of towers and antennas.

Temporary testing systems: A permit shall not be required for the installation of any temporary system required for the testing or servicing of electrical equipment or apparatus.

Gas:

1. Portable heating appliance.

2. Replacement of any minor part that does not alter approval of equipment or make such equipment unsafe.

Mechanical:

1. Portable heating appliance.
2. Portable ventilation equipment.
3. Portable cooling unit.
4. Steam, hot or chilled water piping within any heating or cooling equipment regulated by Adopted IBC Provisions.
5. Replacement of any part that does not alter its approval or make it unsafe.
6. Portable evaporative cooler.
7. Self-contained refrigeration system containing 10 pounds (5 kg) or less of refrigerant and actuated by motors of 1 horsepower (746 W) or less.

Plumbing:

1. The stopping of leaks in drains, water, soil, waste or vent pipe provided, however, that if any concealed trap, drain pipe, 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 Adopted IBC Provisions.
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.

B. Any Group "A" occupancies with alcoholic beverages (adopted in addition to those requirements listed in Adopted IBC Provisions, § 903.2.1.1 through § 903.2.1.5). An automatic sprinkler system shall be installed throughout any building with any Group "A" exceeding 1000 square feet and where there is liquor, wine, or beer license issued and/or where the occupants consume alcoholic beverages.

C. Criteria (adopted in addition to those requirements listed in Adopted IBC Provisions, §1601.1). The climate and geographical design criteria for building construction in La Vista, Nebraska, shall be: 1-Ground/snow load 30 lbs psf. 2-Wind speed 90 MPH for a 3 second gust with exposure "C". 3-Seismic Design Category "B". 4-Weathering probability for concrete "B"; 5-Frost line depth 42 inches. 6-Termites, moderate to heavy. 7-Decay, slight to moderate. 8-Winter design temperature, minus 5 degrees.

D. Collapsible soils (adopted in addition to those requirements listed in Adopted IBC Provisions, §1804.1 through §1804.3). Portions

of the Omaha Metro area are underlain by low unit weight soils that can collapse when saturated. Additional studies shall be made to evaluate the presence and extent of the collapsible soils and to assess the effects of any collapsible soils identified at the site on the performance of the structure.

E. Markings (adopted in addition to those requirements listed in Adopted IBC Provisions, §2303.4.1). Each truss shall be legibly branded, marked, or otherwise have permanently affixed thereto the following information located within 2 feet of the center of the span on the face of the bottom chord: 1-Identify the company manufacturing the truss. 2-The design load. 3-The spacing of the truss.

§ 150.01.02 INTERNATIONAL RESIDENTIAL CODE PROVISIONS ADOPTED BY REFERENCE.

Two (2) copies of certain documents in book form, being marked and designated as the *International Residential Code*, 2006 Edition, ("IRC") are on file in the Office of the City Clerk of the City of La Vista. With the exception of portions of §R105.2 preceding §R105.2.1, and §§R319.1.1, R320.1.2 and R506.2.2 the following portions of said IRC are hereby adopted: Chapters 1 thru 42, inclusive, and Appendices "G", Pools, Hot-tubs, Spas, "H", Patio Covers, "J", Existing Buildings and Structures, and "K", Sound Transmission ("Adopted IRC Provisions"); and each and all of the regulations, provisions, conditions and terms of such Adopted IRC Provisions, and all amendments, revisions or editions thereto on file or hereafter placed on file in the Office of the City Clerk of the City of La Vista, are hereby referred to, adopted and made a part hereof as if fully set out herein.

§ 150.01.02.01 Additional Requirements, Rules and Regulations Adopted.

A. Work exempt from a permit (adopted in lieu of portions of IRC §R105.2 preceding §R105.2.1). Permits shall not be required for the following. Exemption from the permit requirements of the Adopted IRC Provisions shall not be deemed to grant authorization for any work to be done in any manner in violation of the Adopted IRC Provisions or any other laws or ordinances of this jurisdiction.

Building:

1. One-story detached accessory structures used as tool and storage sheds, playhouses and similar uses, provided the floor area does not exceed 80 square feet.
2. Retaining walls that are not over 4 feet (1219 mm) in height measured from the bottom of the footing to the top of the wall, unless supporting a surcharge.
3. Water tanks supported directly upon grade if the capacity does not exceed 5,000 gallons (18 927 L) and the ratio of height to diameter or width does not exceed 2 to 1.

4. Painting, papering, tiling, carpeting, cabinets, counter tops and similar finish work.
5. Prefabricated swimming pools that are less than 24 inches (610 mm) deep.
6. Swings and other playground equipment accessory to a one- or two-family dwelling.
7. Window awnings supported by an exterior wall which do not project more than 54 inches (1372 mm) from the exterior wall and do not require additional support.

Electrical:

Repairs and maintenance: A permit shall not be required for minor repair work, including the replacement of lamps or the connection of approved portable electrical equipment to approved permanently installed receptacles.

Gas:

1. Portable heating, cooking or clothes drying appliances.
2. Replacement of any minor part that does not alter approval of equipment or make such equipment unsafe.
3. Portable fuel cell appliances that are not connected to a fixed piping system and are not interconnected to a power grid.

Mechanical:

1. Portable heating appliances.
2. Portable ventilation appliances.
3. Portable cooling units.
4. Steam, hot or chilled water piping within any heating or cooling equipment regulated by the Adopted IRC Provisions.
5. Replacement of any minor part that does not alter approval of equipment or make such equipment unsafe.
6. Portable evaporative coolers.
7. Self-contained refrigeration systems containing 10 pounds (4.54 kg) or less of refrigerant or that are actuated by motors of 1 horsepower (746 W) or less.
8. Portable fuel cell appliances that are not connected to a fixed piping system and are not interconnected to a power grid.

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 the Adopted IRC Provisions.

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.

B. Minimum Uniformly Distributed Live Loads (adopted in lieu of IRC Table R301.5)

MINIMUM UNIFORMLY DISTRIBUTED LIVE LOADS
(in pounds per square foot)

USE	LIVE LOAD
Attics with storage ^b	20
Attics without storage ^b	10
Decks ^e	40
Exterior balconies	60
Fire escapes	40
Guardrails and handrails ^d	200
Guardrails in-fill components ^f	50
Passenger vehicle garages ^a	50 ^a
Rooms other than sleeping rooms	40
Sleeping rooms	40
Stairs	40 ^c

For SI: 1 pound per square foot = 0.0479 kN/m², 1 square inch = 645 mm²,
1 pound = 4.45 N.

- Elevated garage floors shall be capable of supporting a 2,000-pound load applied over a 20-square-inch area.
- No storage with roof slope not over 3 units in 12 units.
- Individual stair treads shall be designed for the uniformly distributed live load or a 300-pound concentrated load acting over an area of 4 square inches, whichever produces the greater stresses.
- A single concentrated load applied in any direction at any point along the top.
- See Section R502.2.1 of Adopted IRC Provisions for decks attached to exterior walls.
- Guard in-fill components (all those except the handrail), balusters and panel fillers shall be designed to withstand a horizontally applied normal load of 50 pounds on an area equal to 1 square foot. This load need not be assumed to act concurrently with any other live load requirement.

C. Minimum height (adopted in lieu of IRC, §R305.1). Habitable rooms, hallways, corridors, bathrooms, toilet rooms, laundry rooms and basements shall have a ceiling height of not less than 7 feet (2134 mm). The required height shall be measured from the finish floor to the lowest projection from the ceiling.

Exceptions:

- Beams and girders spaced not less than 4 feet (1219 mm) on center may project not more than 6 inches (152 mm) below the required ceiling height.
- Ceilings in basements without habitable spaces may project to within 6 feet, 8 inches (2032 mm) of the finished floor; and beams, girders, ducts or other

obstructions may project to within 6 feet, 4 inches (1931 mm) of the finished floor.

3. For rooms with sloped ceilings, at least 50 percent of the required floor area of the room must have a ceiling height of at least 7 feet (2134 mm) and no portion of the required floor area may have a ceiling height of less than 5 feet (1524 mm).
4. Bathrooms shall have a minimum ceiling height of 6 feet 8 inches (2036 mm) over the fixture and at the front clearance area for fixtures as shown in Figure R307.1 of the Adopted IRC Provisions. A shower or tub equipped with a showerhead shall have a minimum ceiling height of 6 feet 8 inches (2036 mm) above a minimum area 30 inches (762 mm) by 30 inches (762 mm) at the showerhead.

D. Headroom (adopted in lieu of IRC, §R311.5.2). The minimum headroom in all parts of the stairway shall not be less than 6 feet 8 inches (2036 mm) measured vertically from the sloped plane adjoining the tread nosing or from the floor surface of the landing or platform. The Building Official shall have the authority to waive the requirements of this section where pre-existing conditions will not allow the requirement to be met.

E. Continuity (adopted in lieu of IRC, §R311.5.6.2). Handrails for stairways shall be continuous for the full length of the flight, from a point directly above the top riser of the flight to a point directly above the lowest riser of the flight. Handrail ends shall be returned or shall terminate in newel posts or safety terminals. Handrails adjacent to a wall shall have a space of not less than 1 ½ inch (38 mm) between the wall and the handrail.

Exceptions:

1. Handrails shall be permitted to be interrupted by a newel post at the turn.
2. The use of a volute, turnout, starting easing or starting newel shall be allowed over the lowest tread.
3. Handrails for stairways shall be permitted to have no more than a 4 inch (102 mm) break due to wall offsets and other ornamental features.

F. Location required (adopted in lieu of IRC, §R319.1). Protection from decay shall be provided in the following locations by the use of naturally durable wood or wood that is preservative treated in accordance with AWPA U1 for the species, product, preservative and end use. Preservatives shall be listed in Section 4 of the AWPA U1.

1. Wood joists or the bottom of a wood structural floor when closer than 18 inches (456 mm) or wood girders when closer than 12 inches (305 mm) to the exposed ground in crawl spaces or unexcavated area located within the periphery of the building foundation.

2. All wood framing members, sills, or plates that rest on concrete or masonry exterior walls.
3. Sills and sleepers on a concrete or masonry slab that is in direct contact with the ground unless separated from such slab by an impervious moisture barrier.
4. The ends of wood girders entering exterior masonry or concrete walls having clearances of less than 0.5 inch (12.7 mm) on tops, sides and ends.
5. Wood siding, sheathing and wall framing on the exterior of a building having a clearance of less than 6 inches (152 mm) from the ground.
6. Wood structural members supporting moisture-permeable floors or roofs that are exposed to the weather, such as concrete or masonry slabs, unless separated from such floors or roofs by an impervious moisture barrier.
7. Wood furring strips or other wood framing members attached directly to the interior of exterior masonry walls or concrete walls below grade except where an approved vapor retarder is applied between the wall and the furring strips or framing members.

G. Joist framing (adopted in lieu of IRC, §R502.6.2). Joists framing into the side of a wood girder shall be supported by approved framing anchors.

H. Air space (adopted in lieu of IRC, §R703.7.4.2). The veneer shall be separated from the sheathing by an air space of a minimum of ½ inch (13 mm).

I. Required strength of Truss or Rafter Connections to Resist Wind Uplift Forces (adopted in lieu of IRC Table R802.11).

Required Strength of Truss or Rafter Connections to Resist Wind Uplift Forces^{a,b,c,e,f,g}
(Pounds per connection)

BASIC WIND SPEED (mph) (3-second gust)	ROOF SPAN (feet)							OVERHANGS ^d (pounds/foot)
	12	20	24	28	32	36	40	
85	-72	-120	-145	-169	-193	-217	-241	-38.55
90	-91	-151	-181	-212	-242	-272	-302	-43.22
100	-131	-218	-262	-305	-349	-393	-436	-53.36
110	-175	-292	-351	-409	-467	-526	-584	-64.56

For SI: 1 inch = 25.4 mm, 1 foot = 305mm, 1 mph = 0.447 m/s, 1 pound/foot = 14.5939 N/m, 1 pound = 0.454 kg.

a. The uplift connection requirements are based on a 30 foot mean roof height located in Exposure B. For exposures C and D and for other mean roof heights, multiply the above loads by the Adjustment Coefficients in Table R301.2(3).

b. The uplift connection requirements are based on the framing being spaced 24 inches on center. Multiply by 0.67 for framing spaced 16 inches on center and multiply by 0.5 for framing spaced 12 inches on center.

c. The uplift connection requirements include an allowance for 10 pounds of dead load.

d. The uplift connection requirements do not account for the effects of overhangs. The magnitude of the above loads shall be increased by adding the overhang loads found in the table. The overhang loads are also based on framing spaced 24 inches on center. The overhang loads given shall be multiplied by the overhang projection and added to the roof uplift value in the table.

e. The uplift connection requirements are based on wind loading on end zones as defined in Figure 6-2 of ASCE 7. Connection loads for connections located a distance of 20% of the least horizontal dimension of the building from the corner of the building are permitted to be reduced by multiplying the table connection value by 0.7 and multiplying the overhang load by 0.8.

f. For wall-to-wall and wall-to-foundation connections, the capacity of the uplift connector is permitted to be reduced by 100 pounds for each full wall above. (For example, if a 600-pound rated connector is used on the roof framing, a 500-pound rated connector is permitted at the next floor level down).

g. Wind uplift calculations, prepared by a structural engineer, shall be provided at the time of the framing inspection, for all structures built without uplift connections as prescribed by this table.

J. Valley Lining Material (adopted in lieu of IRC Table R905.2.8.2).

Valley Lining Material

Material	Minimum Thickness (inches)	Gage	Weight (pounds)
Cold-rolled copper	0.0216 nominal	---	ASTM B 370, 16 oz. per square foot
Lead-coated copper	0.0216 nominal	---	ASTM B 101, 16 oz. per square foot
High-yield copper	0.0162 nominal	---	ASTM B 370, 12 oz. per square foot
Lead-coated High-yield copper	0.0162 Nominal	---	ASTM B 101, 12 oz. per square foot
Aluminum	0.021	---	---
Stainless steel	---	28	---
Galvanized steel	0.0179	28 (zinc Coated G90)	---
Zinc alloy	0.027	---	---
Lead	---	---	2 ½
Painted terne	---	---	20

For SI: 1 inch = 25.4 mm, 1 pound = 0.454 kg.

K. Flashing (adopted in lieu of IRC, §R905.3.8). At the juncture of roof vertical surfaces, flashing and counter flashing shall be provided in accordance with this chapter and the manufacturer's installation instructions and, where of metal, shall not be less than 0.018 inches (0.4 mm) corrosion resistant sheet metal. The valley flashing shall extend at least 11 inches (279 mm) from the centerline each way and have a splash diverter rib not less than 1 inch (25 mm) high at the flow line formed as part of the flashing. Sections of flashing shall have an end lap of not less than 4 inches (102 mm). For roof slopes of three units vertical in 12 units horizontal (25-percent slope) and greater, valley flashing shall have a 36-inch-wide (914 mm) underlayment of one layer of Type I underlayment running the full length of the valley, in addition to other required underlayment. In areas where the average daily temperature in January is 25°F (-4°C) or less, metal valley flashing underlayment shall be solid-cemented to the roofing underlayment for slopes less than seven units vertical in 12 units horizontal (58-percent slope) or be of self-adhering polymer modified bitumen sheet.

L. Valley Flashing (adopted in lieu of IRC, §R905.7.6). Roof flashing shall be not less than No. 28 gage [0.018 inches (0.4 mm)] corrosion resistant sheet metal and shall extend at least 11 inches (279 mm) from the centerline.

M. Re-covering versus replacement (adopted in lieu of IRC, §R907.3). New roof coverings shall not be installed without first removing existing roof coverings where any of the following conditions occur:

1. Where the existing roof or roof covering is water-soaked or has deteriorated to the point that the existing roof or roof covering is not adequate as a base for additional roofing.
2. Where the existing roof covering is wood shake, wood shingles, slate, clay, cement or asbestos-cement tile.
3. Where the existing roof has two or more applications of any type of roof covering.
4. For asphalt shingles, when the building is located in an area subject to moderate or severe hail exposure according to Figure R903.5.

Exceptions:

1. Complete and separate roofing systems, such as standing-seam metal roof systems, that are designed to transmit the roof loads directly to the building's structural system and that do not rely on existing roofs and roof coverings for support, shall not require the removal of existing roof coverings.
2. Installation of metal panel, metal shingle, and concrete and clay tile roof coverings over existing wood shake roofs shall be permitted when the application is in accordance with Section R907.4.
3. The application of new protective coating over existing spray polyurethane foam roofing systems shall be permitted without tear-off of existing roof coverings.

N. U-factor alternative (adopted in lieu of IRC, §N1102.1.2). An assembly with a *U*-factor equal to or less than that specified in Table N1102.1.2 shall be permitted as an alternative to the *R*-value in Table N1102.1.

Exception: For mass walls not meeting the criterion for insulation location in Section N1102.2.3, the *U*-factor shall be permitted to be:

1. *U*-factor of 0.17 in Climate Zone 1
2. *U*-factor of 0.14 in Climate Zone 2
3. *U*-factor of 0.12 in Climate Zone 3
4. *U*-factor of 0.10 in Climate Zone 4 except Marine
5. *U*-factor of 0.082 in Climate Zone 5 and Marine 4
6. Single family dwellings, two family dwellings and townhomes with a window to wall ratio greater than 15% must conform to the State of Nebraska Energy Code.

§ 150.01.03 UNIFORM CODE FOR THE ABATEMENT OF DANGEROUS BUILDINGS ADOPTED BY REFERENCE.

Certain documents in book form, two (2) copies of which are on file in the Office of the City Clerk of the City of La Vista and being marked and designated as the *Uniform Code for the Abatement of Dangerous Buildings*, 1985 Edition, are hereby adopted; and each and all of the regulations, provisions, conditions and terms of such *Uniform Code for the Abatement of Dangerous Buildings*, and all

amendments, revisions or editions thereto on file or hereafter placed on file in the Office of the City Clerk of the City of La Vista, are hereby referred to, adopted and made a part hereof as if fully set out herein.

§ 150.01.04 UNIFORM ADMINISTRATIVE CODE ADOPTED BY REFERENCE.

Certain documents in book form, two (2) copies of which are on file in the Office of the City Clerk of the City of La Vista and being marked and designated as the *Uniform Administrative Code*, 1987 Edition, are hereby adopted; and each and all of the regulations, provisions, conditions and terms of such *Uniform Administrative Code*, and all amendments, revisions or editions thereto on file or hereafter placed on file in the Office of the City Clerk of the City of La Vista, are hereby referred to, adopted and made a part hereof as if fully set out herein."

SECTION 2. Amendment of Section 150.02. Section 150.02 of the La Vista Municipal Code is hereby amended to read as follows:

"§ 150.02 MECHANICAL CODE. The standard codes specified below are hereby adopted as the Mechanical Code of the City of La Vista to regulate and provide complete and certain minimum standards, provisions and requirements for the design, construction, installation quality of materials, location, operation and maintenance or use of heating, ventilating, cooling, refrigeration systems, incinerators or other miscellaneous heat producing appliances, as well as the design and installation of fuel gas systems and gas-fired appliances through requirements that emphasize performance, within the jurisdiction of the City of La Vista and providing for the issuance of permits and collection of fees therefore.

§ 150.02.01 INTERNATIONAL MECHANICAL CODE ADOPTED BY REFERENCE.

Certain documents in book form, two(2) copies of which are on file in the Office of the City Clerk of the City of La Vista and being marked and designated as the *International Mechanical Code*, 2006 Edition, including all appendices, and the published by the International Code Council, are hereby adopted; and each and all of the regulations, provisions, conditions and terms of such *International Mechanical Code*, 2006 Edition, and all appendices, amendments, revisions or editions thereto on file or hereafter placed on file in the Office of the City Clerk of the City of La Vista, are hereby referred to, adopted and made a part hereof as if fully set out herein.

§ 150.02.02 INTERNATIONAL FUEL AND GAS CODE ADOPTED BY REFERENCE.

Certain documents in book form, two(2) copies of which are on file in the Office of the City Clerk of the City of La Vista and being marked and designated as the *International Fuel and Gas Code*, 2006 Edition, including all appendices, published by the International Code Council, are hereby adopted; and each and all of the regulations, provisions, conditions and terms of such *International Fuel and Gas Code*, 2006 Edition, and all appendices, amendments, revisions or editions thereto on file or hereafter placed on file in the Office of the City Clerk of the City

of La Vista, are hereby referred to, adopted and made a part hereof as if fully set out in herein."

SECTION 3. Amendment of Section 150.04. Section 150.04 of the La Vista Municipal Code is hereby amended to read as follows:

"§ 150.04 PLUMBING CODE ADOPTED BY REFERENCE.

Certain documents in book form, two(2) copies of which are on file in the Office of the City Clerk of the City of La Vista and being marked and designated as the *International Plumbing Code*, 2006 Edition, including Appendix "C", Gray Water Recycling System, Appendix "E", Sizing of Water Piping System, Appendix "F", Structural Safety, and Appendix "G", Vacuum Drainage System, are hereby adopted as the Plumbing Code of the City of La Vista to regulate and provide certain minimum standards, provisions and requirements for safe and stable installation, methods of connection, and uses of materials in the installation of plumbing and plumbing related work within the jurisdiction of the City of La Vista and providing for the issuance of permits and collection of fees therefore; and each and all of the regulations, provisions, conditions and terms of such *International Plumbing Code*, 2006 Edition and specified appendices, and all amendments, revisions or editions thereto on file or hereafter placed on file in the Office of the City Clerk of the City of La Vista, are hereby referred to, adopted and made a part hereof as if fully set out herein."

SECTION 4. Amendment of Section 150.05. Section 150.05 of the La Vista Municipal Code is hereby amended to read as follows:

"§ 150.05 ELECTRICAL CODE ADOPTED BY REFERENCE.

Certain documents in book form, two(2) copies of which are on file in the Office of the City Clerk of the City of La Vista and being marked and designated as the *National Electric Code*, 2008 Edition, including amendments thereto recommended by the National Fire Protection Association and published by the National Fire Protection Association, 2005 Edition, are hereby adopted as the Electrical Code of the City of La Vista to regulate and provide complete and certain minimum standards, provisions and requirements for electrical wiring of buildings, structures, machinery and equipment for light and power, safe and fireproof installation, methods of connection, and uses of materials in the installation of electrical wiring and appliances within the jurisdiction of the City of La Vista and providing for the issuance of permits and collection of fees therefore; and each and all of the regulations, provisions, conditions and terms of such *National Electric Code*, 2008 Edition, and all amendments, revisions or editions thereto on file or hereafter placed on file in the Office of the City Clerk of the City of La Vista, are hereby referred to, adopted and made a part hereof as if fully set out herein."

SECTION 5. Repeal of Sections 150.01, 150.02, 150.04, and 150.05 as Previously Enacted. Sections 150.01, 150.02, 150.04, and 150.05 of the La Vista Municipal Code as previously enacted are hereby repealed.

SECTION 6. Severability Clause. If any section, subsection, sentence, clause or phrase of this ordinance is, for any reason, held to be unconstitutional or invalid, such unconstitutionality or invalidity shall not affect the validity of the remaining portions of this ordinance. The Mayor and City Council of the City of La Vista hereby declare that it would have passed this ordinance

and each section, subsection, sentence clause or phrase thereof, irrespective of the fact that any one or more sections, subsections, sentences, clauses or phrases be declared unconstitutional or invalid.

SECTION 7. Effective Date. This ordinance shall be in full force and effect from and after passage, approval and publication in pamphlet form as provided by law.

PASSED AND APPROVED THIS 17TH DAY OF AUGUST, 2010.

CITY OF LA VISTA

Douglas Kindig, Mayor

ATTEST:

Pamela A. Buethe, CMC
City Clerk

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150.01 BUILDING CODE ADOPTED BY REFERENCE

- Change* The International Building Code, 2006 Edition Chapters 1 thru 35 inclusive, Appendix "I" Patio Covers, J Grading.
The International Residential Code, 2006 Edition Chapters 1 thru 42 inclusive, Appendixes "G" Pools, Hot-tubs, Spas, "H" Patio Covers "J" Existing Buildings and Structures, "K" Sound Transmission, 1985 Abatement for Dangerous Building Code.
- Add* **With the following amendments to the IBC 2006 edition:**
105.2 Work Exempt from a permit.
Change Item #1 Change 120 to 80 square feet.
Delete Item #2 Fences not over 6 feet tall.
Delete Item #6 Delete entirely.
Change Item #9 Prefabricated swimming pools accessory to a Group R-3 occupancy that are less than 24 inches deep and installed entirely above ground.
- Add* **903 Automatic Sprinkler Systems**
903.2.1.6 Any Group "A" Occupancies with Alcoholic Beverages. An automatic sprinkler system shall be installed throughout the building with any Group "A" exceeding 1000 square feet and where there is liquor, wine, or beer license issued and /or where the occupants consume alcoholic beverages.
- Delete* **907.1.1 Construction Documents**
907.1.2 Equipment
- Add* **1601.2 Criteria.** The climate and geographical design criteria for building construction in La Vista Nebraska shall be: **1**-Ground/snow load 30 lbs psf. **2**-Wind speed 90 MPH for a 3 second gust with exposure "C", **3**-Seismic Design Category "B". **4**-Weathering probability for concrete "B". **5**-Frost line depth 42 inches. **6**- Termites, Moderate to heavy. **7**-Decay, slight to moderate. **8**-Winter design temperature, minus 5 degrees.
- Add* **1804.4 Collapsible Soils.** Portion of the Omaha Metro area are underlain by low init weight soils that can collapse when saturated. Additional studies shall be made to evaluate the presence and extent of the collapsible soils and to asses the effects of any collapsible soils identified at the site on the performance of the structure
- Add* **2303.4.1.2.1 Markings.** Each truss shall be legibly branded, marked, or otherwise have permanently affixed thereto the following information located within 2 feet of the center of the span on the face of the bottom chord; **1**- Identify the company manufacturing the truss. **2**- The design load. **3**- The spacing of the truss.
- Delete* **3401.3 Compliance with other codes.**
International Fire Code, International Private Sewage Disposal Code.
- Add* **With the following amendments to the IRC 2006 edition:**
R105.2 Work Exempt from a permit.
Change Item #1 Change from 200 square feet to 80 square feet.
Delete Item #2 Fences not over 6 feet.
Delete Item #5 Entirely
- Change* **Table R301.5.** Change sleeping rooms live load to 40 psf

- Add* **R305 Minimum height, exceptions.** #5 add, that the Building Official shall have the authority to waive the requirement of this section where pre-existing conditions will not allow the requirement to be met.
- Add* **R311.5.2 Headroom.** Add the following as a second paragraph: The building Official shall have the authority to waive the requirements of this section where pre-existing conditions will not allow the requirements to be met.
- Add* **R311.5.6.2 Continuity.** Add exception 3 to read: Handrails for stairways shall be permitted to have no more than a 4" break (102mm) due to wall offsets and other ornamental features.
- Change* **R319.1 Location Required.** Change location #2 to read as follows: All wood framing members, sills, or plates that rest on concrete or masonry exterior walls.
- Delete* **R319.1.1 Field treatment.** Delete this section in its entirety.
- Delete* **R320.1.2 Field treatment.**
Delete this section entirely
- Change* **R502.6.2 Joist framing.** Change to read as follows: Joists framing into the side of a wood girder shall be supported by approved framing anchors.
- Delete* **R506.2.2 Base.** Delete this section entirely.
- Change* **R703.7.4.2 Air space**
Change minimum from 1 inch to 1/2 inch (13mm).
- Add* **Table R802.11 Required Strength of Truss or Rafter Connections to Resist Wind Uplift Forces.** Add footnote G to read as follows: g. Wind uplift calculations, prepared by a structural engineer, shall be provided at the time of the framing inspection, for all structures built without uplift connections as prescribed by this table.
- Change* **Table R905.2.8.2 Valley Lining Material.** In the gage column, for Galvanized steel, delete the number 26, and replace it with 28.
- Change* **R905.3.8 Flashing** Change first sentence to read as follows: At the juncture of roof vertical surfaces, flashing and counter flashing shall be provided in accordance with this chapter and the manufacturer's installation instructions and, where of metal, shall not be less than 0.018 inches (0.4mm) (No. 28 galvanized sheet gage) corrosion-resistant metal.
- Change* **R905.7.6 Valley Flashing** Change to read as follows: Roof flashing shall be not less than No. 28 gage (0.018 inches) (0.4mm) corrosion resistant sheet metal.
- Change* **R905.8.8 Valley Flashing** Change to read as follows: Roof flashing shall not be less than No. 28 gage (0.018 inches) (0.4mm) corrosion resistant sheet metal and shall extend at least 11 inches (279mm) from the centerline.
- Add* **R907.3 Re-covering versus replacement.** Add to condition number 2: wood shingles.
- Add* **N1102.2, Compliance.** Add the following exception after the section to read: Single family dwellings, two family dwellings and townhomes with a window to wall ratio greater than 15% must conform to the State of Nebraska Energy Code.

150.02 MECHANICAL CODE ADOPTED BY REFERENCE.

Change after, designated as, International Mechanical Code including all appendices, 2006 Edition, International Fuel Gas Code, 2006 Edition
Change after, published by the, International Code Council.
Change after, conditions and terms of such, International Mechanical Code, International Fuel Gas Code, 2006 Edition

150.04 PLUMBING CODE ADOPTED BY REFERENCE

Change after designated as, International Plumbing Code, Appendix "C" Gray Water Recycling System, Appendix "E" Sizing of Water Piping System, Appendix "F" Structural Safety, Appendix "G" Vacuum Drainage System, 2006 Edition
Change after, terms of such, International Plumbing Code, 2006 Edition

150.05 ELECTRICAL CODE ADOPTED BY REFERENCE

Change after designated as National Electric Code, the 2008 Edition
Change after terms of such National Electric Code, 2008 Edition