

ORDINANCE NO. 701

AN ORDINANCE OF THE VILLAGE OF MURRAY, NEBRASKA TO ADOPT ARTICLE XV, CHAPTER 150, SECTION 150.30, INTERNATIONAL BUILDING CODES FOR CONSTRUCTION OF BUILDINGS WITHIN THE VILLAGE AND WITHIN THE VILLAGE'S ZONING JURISDICTION EXCEPT THOSE BUILDINGS EXEMPTED FROM THE VILLAGE'S JURISDICTION; TO REPEAL ALL ORDINANCES IN CONFLICT; TO PROVIDE FOR PUBLICATION IN PAMPHLET FORM; AND TO PROVIDE AN EFFECTIVE DATE.

BE IT ORDAINED BY THE BOARD OF TRUSTEES OF THE VILLAGE OF MURRAY, NEBRASKA.

Section 1. Article XV, Chapter 150, Section 150.30 of the Murray Code of Ordinances is adopted as follows:

INTERNATIONAL BUILDING CODES

§ 150.30 UNIFORM CODES; ADOPTION BY REFERENCE.

1. To provide certain minimum standards, provisions, and requirements for safe and stable design, methods and construction, and uses of materials and buildings hereafter erected, constructed, enlarged, altered, repaired, relocated, and converted, the Village of Murray Board of Trustees adopts by reference the following codes together with the stated amendments outlined below and as subsequently amended:

- a. 2012 International Residential Code
- b. 2012 International Building Code
- c. 2012 International Plumbing Code
- d. 2012 International Mechanical Code
- e. 2012 International Fuel Gas Code
- f. 2012 International Existing Building Code
- g. 2009 Energy Conservation Code
- h. 2014 National Electrical Code
- i. 2018 International Energy Conservation Code (IECC)

2. The 2012 International Residential Code as adopted above is hereby amended, modified, altered and changed as follows:

- a. Section R101.1 Title Insert: Village of Murray, Nebraska
- b. Section R101.2 Amended Scope.

(1) The provisions of the 2012 International Residential Code for one and

two family dwellings shall apply to the construction, alteration, movement, enlargement, replacement, repair, equipment, use and occupancy, location, removal and demolition of detached one and two family dwellings and multiple single-family dwellings (townhouses) not more than three stories above grade in height with a separate means of egress and their accessory structures in the unincorporated areas except the extraterritorial jurisdictions of the towns and villages in Cass County, Nebraska.

c. Section R105.2 Work Exempt From Permit.

(1) Permits shall not be required for the following construction:

- (a) Swings, playhouses and other playground equipment accessory to a one or two family dwelling.
- (b) Landscape features, including terrace/retaining walls that are not over 4 feet in height measured from grade to the top of the wall, unless supporting a surcharge, trellises and other similar structures.
- (c) Replacement paved slab-on-grade surfaces for sidewalks and driveways.
- (d) Painting, papering, tiling, carpeting, cabinets, countertops and similar finish work.
- (e) Prefabricated temporary, soft sided swimming pools that have a depth of 18" or less and are installed entirely above ground.

(2) Exemption from the permit requirements of this code shall not be deemed to grant authorization for any work to be done in any manner in violation of the provisions of this code or any other laws or regulations of this jurisdiction.

d. Section R107, related to temporary structures addressed in the 2012 International Residential Code and all subsections thereof are hereby deleted.

e. Section R109.5, add: Address Identification for new construction

All general contractors shall be required to post a temporary marking or sign with the address of the job site. Said identification sign shall have numbers and letters of such size and shall be so placed upon the construction site that

said sign is readily visible and identifiable from the public street or county road. Said identification sign shall be properly maintained during the entire period of time that the construction or work is being accomplished or maintained.

f. Table R301.1 (1) amend: Climatic and Geographic Design Criteria

(1) Add the following information to Table 301.2

Ground snow load (k)	wind speed (mph)	seismic design category	subject to weathering	damage from frost line depth	winter design temperature	ice barrier underlay required	flood hazard	air freezing index	mean annual temperature
20	90	A	severe	42 m-h	-3	yes	1971	1680	51.2

- (a) slopes equal to or greater than 4 in 12 soil bearing 1500 lbs/sq
- (b) slopes less than 4 in 12.

g. Table R301.5 amend: Minimum Uniformly Distributed Live Loads (in pounds per square foot).

Amend “sleeping Rooms” provide in Table R301.5.

Use	Live Load
Sleeping Rooms	40

h. R 302.1 Exception 2 amend: Exterior Walls

Exception 2: An accessory building located less than 6 feet from a dwelling unit including decks greater than 30 inches above grade, shall be protected with no less than 5/8” type X gypsum board applied to the interior side of the walls and the ceiling. The door shall be no less than a solid core or steel door no less than 1 3/8” thickness. No other openings shall be permitted.

i. Section 302.2 amend: Townhouses.

Each townhouse shall be considered a separate building and shall be separated by fire-resistance-rated wall assemblies meeting the requirements of Section 302.1 for exterior walls.

Exception: A common 2-hour fire-resistance-rated wall assembly, tested in accordance with ASTM E 119 or UL 263, is permitted for townhouses if such walls do not contain plumbing or mechanical equipment, ducts or vents in the cavity of the common wall. The wall shall be rated for fire exposure from both sides and shall extend to and be tight against exterior walls and the underside of the roof sheathing. Penetrations of electrical outlet boxes shall be in accordance with Section R302.4.

Figure R302.2 (1) add: Typical Party Wall Section; (2) 1 hour walls.

Figure R302.2 (1) is added to the 2012 International Residential Code as shown on said figure at the end of this chapter.

Figure R302.2 (2) add: Typical Party Wall Section; 2 hour nonbearing wall with parallel bearing walls.

Figure R302.2 (2) is added to the 2012 International Residential Code as shown on said figure at the end of this chapter.

Figure R302.2 (3) add: Typical Party Wall Section: One 2 hour shaft wall.

Figure R302.2 (3) is added to the 2012 international Residential Code as shown on said figure at the end of this chapter.

Figure R302.2 (4) add: Typical Party Wall Section: Single 2 hour wall.

Figure R302.2 (4) is added to the 2012 International Residential Code as shown on said figure at the end of this chapter.

- j. R302.2.4: Exception 5 to Section R302.2.4 of the 2012 International Residential Code is hereby deleted.
- k. R303.3 amend: Bathrooms

Bathrooms, water closet compartments, laundry rooms and other similar rooms shall be provided with a mechanical ventilation system. The minimum ventilation rates shall be 50cfm for intermittent ventilation or 20 cfm for continuous ventilation. Ventilation air from the space shall be exhausted directly to the outside. In laundry rooms, dryers vented directly to the outside are deemed to meet the requirements of this section.

- m. R303.4 Amend: Mechanical Ventilation - Add at the end of existing paragraph:

A third party inspection certificate is required at time of final inspection.

- n. R307.3 Add: Access To Hot Tub Pump.

Access shall be provided to circulation pumps in accordance with the fixture manufacturer's installation instructions. Where the manufacturer's instructions do not specify the location and minimum size of field fabricated access openings, a 12-inch by 12-inch minimum size opening shall be installed to provide access to the circulation pump. Where pumps are located more than 2 feet from the access opening, an 18-inch by 18-inch minimum size opening shall be installed. A door or panel shall be permitted to close the opening.

In all cases, the access opening shall be unobstructed and be of the size necessary to permit the removal and replacement of the circulation pump.

- o. R309.5 Delete: Fire Sprinklers:

Section R309.5 of the 2012 International Residential Code is hereby deleted.

- p. R310.1 Amend: Emergency Escape And Rescue Required.

Add at the end of existing paragraph: Rooms with a closet or direct access to a bathroom shall be considered sleeping rooms.

- q. R311.3.2 Amend Exception: Floor Elevations For Other Exterior Doors

A landing is not required where a stairway of three or fewer risers is located on the exterior side of a door, other than the required exit door, a landing is not required for the exterior side of the door provided the door, other than an exterior storm or screen door does not swing over the stairway.

- r. R311.7.8.2 Amend Exception 3: Continuity

Handrails for stairways shall be permitted to have no more than a 4" break (102 mm) due to wall offsets and other ornamental features.

- s. R 313 Amend: Automatic Fire Sprinkler Systems

Section R313 of the 2012 International Residential Code and all subsections

thereof are hereby determined optional and installed at the discretion of the applicant. However, if installed, then the code shall regulate installation, and a third party inspection certificate is required at time of final inspection.

t. R317.1.2 Delete: Ground Contact

Section R317.1.2 of the 2012 International Residential Code is hereby deleted.

u. R317.1.4 Amend: Wood Columns

- (1) Wood columns shall be approved wood of natural decay resistance or approved pressure-preservative-treated wood. Posts, poles and columns supporting permanent structures shall bear upon a concrete footing and shall not be imbedded in the concrete or in the ground unless approved for such use.

Exceptions:

- (1) Columns exposed to the weather or in basements when supported by concrete piers or metal pedestals projecting 1 inch above a concrete floor or 6 inches above exposed earth and the earth is covered by an approved impervious moisture barrier.
- (2) Columns in enclosed crawl spaces or unexcavated areas located within the periphery of the building when supported by a concrete pier or metal pedestal at a height more than 8 inches (203mm) from exposed earth and the earth is covered by an impervious moisture barrier.

v. R317.3.2 Delete: Fasteners For Wood Foundations.

Section R317.3.2 of the 2012 International Residential Code is hereby deleted.

w. R320 Delete: Accessibility

Section R320 of the 2012 International Residential Code is hereby deleted.

x. R322 Delete: Flood-Resistant Construction

Section R322 of the 2012 International Residential Code and all subsections thereof are hereby deleted.

y. R402.1 Delete: Wood Foundations.

Section R402.1 of the 2012 International Residential Code and all subsections thereof are hereby deleted.

z. R403.1.1 Amend: Minimum Size.

Minimum sizes for concrete and masonry footings shall be as set forth in Table R403.1 and Figure R403.1 (1). The footing width, W, shall be based on the load-bearing value of the soil in accordance with Table 401.4.1. Spread footings shall be at least 8 inches (203 mm) thick. Footing projections, P, shall be at least 2 inches (51 mm) and shall not exceed the thickness of the footing. The size of footings supporting piers and columns shall be based on the tributary load and allowable soil pressure in accordance with Table 401.4.1. Footings for wood foundations shall be in accordance with the details set forth in Section R403.3, and Figures R403.1 (2) and R403.1 (3).

Figure R403.1 (1) Amend: Concrete And Masonry Foundation Details.

Figure R403.1 (1) of the 2012 International Residential Code is amended as shown on said figure at the end of this chapter.

Figure R403.1 (2) Delete: Permanent Wood Foundation Crawl Space Section.

Figure R403.1 (2) of the 2012 International Residential Code is hereby deleted.

Figure R403.1 (3) Delete: Permanent Wood Foundation Crawl Space Section.

Figure R403.1 (3) of the 2012 International Residential Code is hereby deleted.

aa. R403.1.4.1 Amend: Frost Protection.

Foundation walls, piers and other permanent supports of buildings and structures shall extend below the frost line specified in Table R301.2.(1).

Exceptions:

- (1) Protection of freestanding accessory structures with an area of 200 square feet or less, of light-framed construction, do not require foundations.
- (2) Protection of freestanding accessory structures with an area of 750

square feet or less, of light-framed construction, with an eave height of 10 feet or less shall be allowed to be a monolithic slab as shown in Figure R403.3 (1).

- (3) Protection of freestanding accessory structures with an area of 400 square feet or less, of other than light-framed construction, with an eave height of 10 feet or less shall be allowed to be a monolithic slab as shown in Figure R403.3 (1).
- (4) Decks less than 200 square feet and less than 30" above grade, not supported by a dwelling need not be provided with footings that extend below the frost line, however a positive connection with the ground is required.

Footings shall not bear on frozen soil unless the frozen condition is permanent.

bb. R403.2 Delete: Footings for Wood Foundations

Section R403.2 of the 2012 International Residential Code is hereby deleted.

cc. R403.3 Replace in its entirety: Frost Protected Shallow Foundations.

Section R403.3 of the 2012 International Residential Code and all subsections, tables, and figures under said Section R403.3 are hereby deleted and replaced with: All frost protected shallow footings must be designed and sealed by a Structural Engineer Licensed by the Nebraska Board of Engineers & Architects.

dd. R403.4 Amend: Footings For Precast Concrete Foundations.

Footings for precast concrete foundations shall be described in Table 403.1.

ee. R403.4.1 Delete: Crushed Stone Footings

Section R403.4.1 of the 2012 International Residential Code is hereby deleted.

ff. R403.4 Delete: Minimum Depth Of Crushed Stone Footings.

Table 403.3 of the 2012 International Residential Code is hereby deleted.

Table 404.1.1 (1) Delete: Plain Masonry Foundation Walls.

Table 404.1.1 (1) of the 2012 International Residential Code is hereby deleted.

Table 404.1.2 (9) Delete: Minimum Spacing for Alternate Bar Size and/or Alternate Grade of Steel.

Table 404.1.2 (9) of the 2012 International Residential Code is hereby deleted.

gg. R408.7 Delete: Flood Resistance.

Section 408.7 of the 2012 International Residential Code is hereby deleted.

hh. R502.7.1 Bridging.

Joists exceeding a nominal 2 by 10 inches shall be supported laterally by solid blocking, diagonal bridging (wood or metal), or a continuous 1-inch-by-3-inch strip nailed across the bottom of the joists perpendicular to joists at intervals not to exceed 8 feet. Dimensional lumber shall be supported laterally by solid blocking, diagonal bridging (wood or metal), or a continuous 1-inch-by-3-inch strip nailed across the bottom joists perpendicular to joists at intervals not exceeding 8 feet.

Exception: Trusses, structural composite lumber, structural glued-laminated members and I-joists shall be supported laterally as required by the manufacturer's recommendations.

ii. R506.2.2 Delete: Base

jj. Section R408.7 (flood resistance) of the 2012 International Residential Code is hereby deleted.

kk. R802.11.1.2 Amend: Truss Uplift Resistance.

Trusses shall be attached to supporting wall assemblies by connections capable of resisting uplift forces as specified on the truss design drawings. Wind uplift calculations prepared by a structural engineer, shall be provided at the time of the framing inspection.

ll. R802.11.1.3 Amend: Rafter Uplift Resistance.

Individual rafters shall be attached to supporting wall assemblies by connections capable of resisting uplift forces of 500 lbs. or determined by accepted engineering practice. Connections of beams used in a roof system shall be designed in accordance with accepted engineering practice. Wind

uplift calculations, prepared by a structural engineer, shall be provided at the time of the framing inspection.

- mm. Table R802.11 Delete: Rafter or Truss Uplift Connection Forces From Wind.

Table R802.11 of the 2012 International Residential Code is hereby deleted.

3. Chapter 11 Delete/Amend: Energy Efficiency

- a. Chapter 11 of the 2012 International Residential Code is hereby deleted in its entirety and replaced with:

The purpose of this chapter is to provide minimum design requirements and criteria that will result in a more efficient utilization of energy by providing thermal design and insulation standards for building construction. Compliance shall be demonstrated by meeting the requirements of the 2012 International Energy Conservation Code applicable tables and sections.

Compliance shall be demonstrated by either:

- (1) Submitting a completed and signed compliance certificate using RES check as downloaded from the Department of Energy; or
- (2) Meeting the requirements of the 2009 International Energy Conservation Code for residential buildings, Type A-1.

The requirements of the Nebraska Energy Code, Neb. Rev. Stat. §§81-1611 through 81-1626, shall apply to all new single and two-family dwellings or portions thereof which are heated and/or mechanically cooled.

4. The 2012 International Mechanical Code as adopted above is hereby amended, modified, altered and changed as follows:

- a. M1501.1 Exception 2 Add: Outdoor Discharge.

Bathroom exhaust fans may be ducted through an exterior soffit, provided that the exhaust duct discharges through a soffit vent to the exterior.

- b. M1502.4.1 Material and Size.

Add at the end of existing paragraph: All concealed pipe must be solid pipe, no flex pipe is allowed in concealed areas.

- c. M1902.2 Amend: Installation

Sauna heaters shall be installed in accordance with the manufacturer's installation instructions. Nebraska Boiler Act, ASME Section 4, UL875 and the authority having jurisdiction.

- d. M2001.1 Amend: Installation.

In addition to the requirements of this code, the installation of boilers shall conform to the Nebraska Boiler Act, ASME Section 4, the authority having jurisdiction and the manufacturer's installation instructions. The manufacturer's rating data, the nameplate and operating instructions of a permanent type shall be attached to the boilers. Boilers shall have all controls set, adjusted and tested by the installer. A complete control diagram together with complete boiler operation instructions shall be furnished by the installer. Solid-and liquid-fuel-burning boilers shall be provided with combustion air as required by Chapter 17.

- e. M2001.2 Amend: Clearance

Boilers shall be installed in accordance with their listing and label, Nebraska Boiler Act, and the authority having jurisdiction.

- f. M2002.4 Amend: Pressure-relief Valve.

Boilers shall be equipped with pressure relief valves with minimum rated capacities for the equipment served. Pressure-relief valves shall be set at no greater than the maximum rating of the boiler. Discharge shall be piped to drains by gravity to within 3 inches (76mm) of the floor or to an approved plumbing fixture.

- g. M2005.1 Amend: General

Add at the end of existing paragraph: Water heaters with inputs of 200,000 BTU's and greater must comply with the Nebraska Boiler Act and the authority having jurisdiction, NFPA 70 and NFPA 31.

- h. M2006.1 Amend: General

Pool and spa heaters shall be constructed and installed in accordance with the manufacturer's installation instructions. ASME Section 4, the Nebraska Boiler Act, and the authority having jurisdiction. Oil-fired pool heaters shall be tested in accordance with UL 726 and NFPA 31. Electric pool and spa

heaters shall conform to UL 1261 and NFPA 70.

j. M2006.2 Amend: Clearances

In no case shall the clearances interfere with combustion air, draft hood or flue terminal relief, or accessibility for servicing, or as required by the Nebraska Boiler Act, and the authority having jurisdiction.

k. M2006.3 Amend: Pressure and Temperature-limiting Devices.

Pool heaters shall have temperature limiting controls and pressure relief valves.

m. M2101.1 Amend: General

Hydronic piping shall conform to Table M2101.1 as amended by this section. Approved piping valves, fittings and connections shall be installed in accordance with the installation instructions. Pipe and fittings shall be rated for use at the operating temperature and pressure of the hydronic system. Chlorinated poly (vinyl chloride) (CPVC) pipe, tubing and fittings. Cross-linked polyethylene (PEX) pipe, tubing and fittings. Cross-linked polyethylene/aluminum/ cross-linked polyethylene (PEX-AL- PEX) pipe, tubing and fittings. Polybutylene (PB) pipe, tubing and fittings. Polyethylene (PE) pipe, tubing and fittings and Polypropylene (PP) pipe, tubing and fittings will not be permitted for above ground use in a hydronic heating and cooling system. Used pipe, fittings, valves or other materials shall be free of foreign materials.

n. M2103.5 Add: Termination

Final termination of all embedded piping systems are required to terminate to listed and labeled equipment or to a piping manifold. The maximum length from piping system entering the structure to equipment or manifold is 48 inches (1219mm).

o. M2104.5 Add: Termination

Final termination of all embedded piping systems are required to terminate to listed and labeled equipment or to a piping manifold. The maximum length from piping system entering the structure to equipment or manifold is 48 inches (1219mm).

5. The 2012 International Fuel Gas Code as adopted above is hereby amended, modified,

altered and changed as follows:

- a. G2420.5 (409.5) Amend: Appliance Shutoff Valve.

Each appliance shall be provided with two shutoff valves in accordance with Section G2420.5.1 or G2420.5.2.

- b. G2420.5.1 (409.5.1) Amend: Located Within Same Room

The shutoff valve shall be located in the same room as the appliance. The shutoff valve shall be within 6 feet (1829mm) of the appliance, and shall be installed upstream of the union, connector or quick disconnect device it serves. Such shutoff valves shall be provided with access. Appliance shutoff valves located in the firebox of a fireplace shall be installed in accordance with the appliance manufacturer's instructions. The second shutoff valve shall be located at the main house manifold and shall be provided with ready access and be located no more than 6'-8" above the finished floor.

- c. G2420.5.2 (409.5.2) Amend: Vented Decorative Appliances And Room Heaters.

Shutoff valves for venter decorative appliances, room heaters and decorative appliances for installation in vented fireplaces shall be permitted to be installed in an area remote from the appliances where such valves are provided with ready access. Such valves shall be permanently identified and shall serve no other appliance. The piping from the shutoff valve to within 6 feet (1829mm) of the appliance shall be designed, sized and installed in accordance with Sections G2412 through G2419. The second shutoff valve shall be located at the main house manifold and shall be provided with ready access and be located no more than 6'-8" above the finished floor.

- d. G2420.5.3 (409.5.3) Delete: Located At Manifold

G2420.5.3 (409.5.3) of the 2012 International Residential Code is hereby deleted.

6. Chapters 34 through 43, inclusive, of the 2012 International Residential Code are hereby deleted.

7. Appendices B, C, N, and Q of the 2012 International Residential Code are hereby specifically adopted.

8. Appendices B, C, N, and Q of the 2012 International Residential Code are hereby

specifically adopted, all other appendices are specifically not adopted.

9. Electrical, Gas and Mechanical as printed in the 2012 International Residential Code as adopted above are hereby amended, modified, altered and changed as follows:

- a. Exception from the permit requirements of this code shall not be deemed to grant authorization for any work to be done in any manner in violation of the provisions of this code or any other laws or regulations of this jurisdiction.
- b. 107.2.6 Add: Knox Box

Indicate the location and provision for installation of a Knox-Box per local Fire Department access.

- c. 110.7 Add: Address Identification or New Construction

All general contractors shall be required to post a temporary marking or sign with the address of the job site. Said identification sign shall have numbers and letters of such size and shall be so placed upon the construction site that said sign is readily visible and identifiable from the public street or county road. Said identification sign shall be properly maintained during the entire period of time that the construction or work is being accomplished or maintained.

- d. 111.5 Add: Posting

The certificate of occupancy shall be posted in a conspicuous place on the premises and shall not be removed except by the building official.

- e. 112 Delete: Service Utilities

10. Section 112 of the 2012 International Building Code is hereby deleted.

- a. 202 Amend: Definitions.

Other than the following, all definitions are adopted as printed in the 2012 International Building Code:

Townhouse. A single family dwelling unit constructed in a group of two or more attached units in which each unit extends from the foundation to roof and with open space on at least two sides.

- b. 305.2 Amend: Group E, day care facilities

The use of a building or structure, or portion thereof, for educational, supervision or personal care services for more than twelve children older than 2 ½ years of age, shall be classified as Group E occupancy.

c. 503.1.4 Add: Location on property

Buildings shall adjoin or have access to a public way or yard on not less than one side. Required yards shall be permanently maintained. For the purpose of this section, the centerline of an adjoining public way shall be considered an adjacent property line.

d. 718.2.1 Amend: Fire Blocking Materials.

Fire blocking shall consist of 2-inch (51mm) nominal lumber, or two thicknesses of 1-inch (25.4mm) nominal lumber with broken lap joints, or one thickness of 23/32-inch (19.8mm) wood structural panels with joints backed by 23/32-inch (19.8mm) wood structural panels or one thickness of ¾-inch (19.1mm) particle board with joints backed by ¾-inch (19.1mm) particle board, ½-inch (12.7mm) gypsum board, or ¼-inch (6.4mm) cement-based millboard. Loose-fill insulation material shall not be used as a fire block unless specifically tested in the form and manner intended for use to demonstrate its ability to remain in place and to retard the spread of fire and hot gases. The integrity of all fire blocks shall be maintained.

e. 718.2.2 Amend: Fire Blocking Required

Fire blocking shall be provided to cut off all concealed draft openings (both vertical and horizontal) and to form an effective fire barrier between stories, and between a top story and the roof space. Fire blocking shall be provided in wood-frame construction in the following locations:

- (1) In concealed spaces of stud walls and partitions, including furred spaces, at the ceiling and floor level and at 10 foot (3048mm) intervals both vertical and horizontal. Batts or blankets of mineral or glass fiber or other approved non-rigid materials shall be allowed as fire blocking in walls constructed using parallel rows of studs or staggered studs.
- (2) Fire blocking of cornices of a two-family dwelling is required at the line of dwelling unit separation.

f. 1003.5 Exception 4 Add: Elevation Change

Exception 4. Doors serving building equipment rooms which are not normally occupied.

g. 1008.1.9.7 Amend: Delayed Egress Locks

Approved, listed, delayed egress locks shall be permitted to be installed on doors serving any occupancy except Group A and H occupancies in buildings which are equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1 or an approved automatic smoke or heat detection system installed in accordance with Section 907, provided that the doors unlock in accordance with items 1 through 6 below. A building occupant shall not be required to pass through more than one door equipped with a delayed egress lock before entering an exit.

- (1) The doors unlock upon actuation of the automatic sprinkler system or automatic fire detection system.
- (2) The doors unlock upon loss of power controlling the lock or lock mechanism.
- (3) The door locks shall have the capacity of being unlocked by a signal from the fire command center.
- (4) The initiation of an irreversible process which will release the latch in not more than 15 seconds when a force of not more than 15 pounds (67 N) is applied for 1 second to the release device. Initiation of the irreversible process shall activate an audible signal in the vicinity of the door. Once the door lock has been released by the application of force to the releasing device, relocking shall be by manual means only.

Exception: Where approved, a delay of not more than 30 seconds is permitted. A sign shall be provided on the door located above and within 12 inches (305 mm) of the release device reading: PUSH UNTIL ALARM SOUNDS. DOOR CAN BE OPENED IN 15 SECONDS. Emergency lighting shall be provided at the door.

h. 1009.7.2 Exception 8 Add: Riser Height and Tread Depth

Stairways to spaces that are not normally occupied may have a maximum riser height of 7.75 inches (197 mm), and a minimum tread depth of 10 inches (254 mm). The flight of stairs shall not have a vertical rise greater than 18 feet (5486 mm) between floor levels or landings.

- i. 1101.2 Amend: Design.

Buildings and facilities shall be designed and constructed to be accessible in accordance with this code, ICC A117.1 and the 2010 ADA Standards of Accessible Design (SAD).

- j. Chapter 13 Deleted in its entirety and replaced as follows: Energy Efficiency

The purpose of this chapter is to provide minimum design requirements and criteria that will result in a more efficient utilization of energy by providing thermal design and insulation standards for building construction. Compliance shall be demonstrated by meeting the requirements of the 2009 International Energy Conservation Code applicable tables and sections.

The requirements of the Nebraska Energy Code, Neb. Rev. Stat. §§81-1611 through 81-1626, shall apply to all new buildings or portions thereof which are heated and/or mechanically cooled.

- k. 1403.6 and 1403.7 Delete: Flood Resistance.

Sections 1403.6 and 1403.7 of the International Building Code are hereby deleted.

- l. 1509.9 Add: Occupied Roofs.

Any roof top decks, patios, platforms or similar structures, intended for human occupancy shall be of a type of construction not less in fire-resistance rating than required for the building to which it is attached. Occupied roofs shall be provided with exits as required for stories. Any such structure that is covered shall be provided with all fire protection systems required for the building to which it is attached. All such structures intended for human occupancy shall have guardrails that comply with Section 1013, regardless of their height above the plane of the roof.

- m. 1510.3 Amend: Recovering Versus Replacement.

New roof coverings shall not be installed without first removing existing roof coverings.

Exceptions: all exceptions are adopted as printed in the 2012 International Building Code.

Table 1602 Add: General

Ground snow load (mph)d	wind speed	seismic design category f	subject to weathering a	damage from frost line depth b	from winter ice barrier design underlay	ice barrier design underlay	flood hazard req.h DSg	air freezing indexi	mean annual tempj
25	9C A	severe		42 M-H			-3 yes	1971	1680 51.2°

n. 1604.8.1 Exception 1 Add: General.

Exceptions:

Buildings intended for temporary use or occupancy need not be anchored to permanent footings and foundations provided all of the following conditions are met:

- (1) The building or structure meets all other requirements of this code, particularly those for wind, snow, live and dead loads, means of egress and handicap accessibility; and all applicable state laws.
- (2) The building or structure is located in accordance with the Village’s zoning regulations.
- (3) The building or structure is otherwise anchored sufficiently to resist the wind loads of this jurisdiction and in accordance with the manufacturer’s recommendations.
- (4) The building or structure will be used or occupied not more than 1 year; and;
- (5) A Temporary Certificate of Occupancy is issued for the building or structure.

o. 1609.1 Amend: Applications.

Add at the end of existing paragraph: Buildings, structures, and parts thereof intended for use as a tornado shelter shall be designed and constructed in accordance with the recommendations of the Federal Emergency Management Agency.

- p. 1612 Delete: Flood Loads

Section 1612 of the 2012 International Building Code and all subsections thereof are hereby deleted.

- q. 1803.5.13 Add: Collapsible Soils.

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

- x. 1809.5 Amend: Frost Protection.

Foundation walls, piers, and other permanent supports of buildings and structures shall be protected by one or more of the following methods:

- (1) Extending below the frost line of the locality; or
- (2) Erecting on solid rock.

Exception: Free-standing buildings meeting all of the following conditions shall not be required to be protected:

- (1) Classified in Occupancy Category 1, in accordance with Section 1604.5;
- (2) Area of 750 square feet (56 m²) or less for light-frame constructions or 400 square feet (37 m²) or less for other than light-frame construction; and
- (3) Eave height of 10 feet (3048 mm) or less.

Footings shall not bear on frozen soils unless such condition is of a permanent character.

- y. 2410 Add: Window Cleaning/Exterior Maintenance Anchorage Systems.

All buildings where window cleaning or exterior maintenance is performed employing suspended equipment shall be equipped with roof anchorage or other approved devices that will provide for safe use of the equipment in conformance with the provisions of ANSI IWCA L-14.1.

Grading and landscaping shall be considered in determining the probability of suspended equipment being necessary.

- z. 3401.3 Amend: Compliance.

Alterations, repairs, additions and changes of occupancy to existing structures shall comply with the provisions for alterations, repairs, additions and changes of occupancy of all applicable codes adopted and enforced by Cass County, Nebraska.

- aa. 3412.2 Amend: Applicability.

Structures existing prior to the effective date of this code, in which there is work involving additions, alterations or changes of occupancy shall be made to conform to the requirements of this section or the provisions of Sections 3403 through 3409 or the 2012 International Existing Building Code.

- bb. Appendices C, E, I are hereby specifically adopted.

- cc. Appendices C, E, I of the International Building Code are hereby specifically adopted; all other appendices are specifically not adopted.

3. The 2012 International Building Code as adopted above is hereby amended, modified, altered and changed as follows:

- a. 101.1 Amend: Title

These provisions shall be known as the 2012 International Building Code of the Village of Murray, Nebraska and shall be cited as such and will be referred to herein as "this code".

- b. 101.3 Amend: Intent

The intent of this code is to provide minimum standards to safeguard life or limb, health, property, and public welfare by regulating and controlling the design, construction, quality of materials, use and occupancy, location, and maintenance of all buildings and structures within the corporate limits of the Village and within the Village's extraterritorial zoning jurisdiction.

- c. 105.2 Amend: Work exempt from permit.

Permits shall not be required for the following construction:

- (1) Swings, playhouses and other playground equipment accessory to any commercial building.
- (2) Landscape features to include terrace/retaining walls that are not over 4 feet in height measured from grade to the top of the wall, unless supporting a

- surcharge, trellises and other similar structures.
- (3) Replacement paved slab-on-grade surfaces for sidewalks and driveways provided no increase in square footage is added and there is no change in grading creating additional storm drainage to adjacent properties.
 - (4) Water tanks supported directly upon grade if the capacity does not exceed 5,000 gallons 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) Prefabricated, temporary, soft side swimming pools that have a depth of 18" or less and are installed entirely above ground.
 - (7) Non fixed and movable fixtures, cases, racks, counters and partitions not over 5'9" in height.

4. The 2012 International Plumbing Code as adopted above is hereby amended, modified, altered and changed as follows:

101.1 Title.

These provisions shall be known as the 2012 International Plumbing Code of Cass County, Nebraska and shall be cited as such and will be referred herein as "this code".

410.3 Exception 1 Add: Substitution.

Exception: Where separate facilities are not required by 403.2, water coolers or bottled water dispensers provided free of charge shall be permitted to be substituted for 100 percent of the required drinking fountains.

5. The 2012 International Mechanical Code as adopted above is hereby amended, modified, altered and changed as follows:

101.1 Amend: Title.

These provisions shall be known as the 2012 International Mechanical Code of the Village of Murray, Nebraska and shall be cited as such and will be referred to herein as "this code".

6. The 2012 International Fuel Gas Code as adopted above is hereby amended, modified, altered and changed as follows:

101.1 Amend: Title.

These provisions shall be known as the 2012 Fuel Gas Code of the Village of Murray, Nebraska and shall be cited as such and will be referred to herein as "this code".

409.5 Amend: Appliance Shutoff Valve.

Each appliance shall be provided with two shutoff valves in accordance with Section 409.5.1 and 409.5.2.

409.5.1 Amend: Located Within Same Room.

The shutoff valve shall be located in the same room as the appliance. The shutoff valve shall be within 6 feet (1829 mm) of the appliance, and shall be installed upstream of the union, connector or quick disconnect device it serves. Such shutoff valves shall be provided with access. Appliance shutoff valves located in the firebox of a fireplace shall be installed in accordance with the appliance manufacturer's instructions. The second shutoff valve shall be located at the main house manifold and shall be provided with ready access and be located no more than 6'-8" above the finished floor.

409.5.2 Amend: Vented Decorative Appliances And Room Heaters.

Shutoff valves for vented decorative appliances, room heaters and decorative appliances for installation in vented fireplaces shall be permitted to be installed in an area remote from the appliances where such valves are provided with ready access. Such valves shall be permanently identified and shall serve no other appliance. The piping from the shutoff valve to within 6 feet (1829 mm) of the appliance shall be designed, sized and installed in accordance with Sections G2412 through G2419. The second shutoff valve shall be located at the main house manifold and shall be provided with ready access and be located no more than 6'-8" above the finished floor.

409.5.3 Delete: Located At Manifold.

409.5.3 of the 2012 International Fuel Gas Code is hereby deleted.

Appendix D of the 2012 International Fuel Gas Code is hereby deleted.

7. The 2012 International Existing Building Code as adopted above is hereby amended, modified, altered and changed as follows:

101.1 Amend: Title

These provisions shall be known as the 2012 International Existing Building Code of the Village of Murray, Nebraska and shall be cited as such and will be referred to herein as "this code".

8. The 2009 International Energy Conservation Code as adopted above is hereby amended, modified, altered and changed as follows:

101.1 Amend: Title.

These provisions shall be known as the International Energy Conservation Code of the Village of Murray, Nebraska and shall be cited as such and will be referred to herein as “this code.”

101.6 Add: State Energy Code.

The requirements of the Nebraska Energy Code, Nev. Re. Stat. §§81-1611 through 81-1626 shall apply to all new buildings or portions thereof which are heated and/or mechanically cooled.

9. Adoption of the National Electric Code. The minimum electrical wiring standard shall be the 2014 National Electrical Code, National Fire Protection Association Publication Number 70-2014, which is hereby adopted as amended, altered, modified and changes in the following respects:

- a. Article 90, Introduction. Add Section 90.1. Application. All applications shall be submitted by either an electric contractor or Class A Master licensed by the Nebraska State Electrical Board, or the owner of the home that is presently residing in the single-family dwelling that will install and connect the electrical wiring him or herself without compensation or pay from, or to, any other person.
- b. Article 210.8. Ground-Fault Circuit-Interrupter Protection for Personnel.
 - (1) Add at the end of this section: Lighting where installed in combination with GFCIs shall be upstream or in front of the GFCI protection, preventing the loss of lighting in the event a GFCI is tripped.
- c. Article 210.52(D) Bathrooms. Add at the end of this section: If apparent work space is adjacent to a sink, the required outlet shall be installed on the side of the sink basin nearest the work station.
- d. Article 250.52 (A)(3)Concrete-Encased Electrode. Add at the end of this section: All new buildings or structures and any new addition to buildings or structures when adding a foundation shall require concrete-encased electrode.
- e. Article 250.62 Ground Electrode Conductor Material. Delete in its entirety and reword as follows: The grounding electrode conductor shall be copper.
- f. Article 250.64(A) Aluminum or Copper-Clad Aluminum Conductors.

Delete in its entirety.

- g. Article 314.27(C) Boxes at Ceiling-Suspended (Paddle) Fan Outlets. Add at the end of this section: In all dwelling units, boxes installed in bedroom ceilings for light fixtures shall be fan-rated. In other areas of the dwelling where fans are to be installed, fan-rated boxes shall be used.
- h. Article 334.10(5)(A)(1) Type NM. Delete in its entirety and reword as follows: For both exposed over eight feet in height and concealed work in normally dry locations except as prohibited in 334.10(3).
- i. Article 334.10(5) (B)(1) Type NMC. Delete in its entirety and reword as follows: For both exposed over eight feet in height and concealed work in dry, moist, damp or corrosive locations except as prohibited in 334.10(3).
- j. Article 334.10(5) (C) (1) Type NMS. Delete in its entirety and reword as follows: For both exposed over eight feet in height and concealed work in normally dry locations except as prohibited in 334.10(3).

10. The 2018 International Energy Conservation Code (IECC) as adopted above is hereby amended, modified, altered and changed as follows:

- a. Section R402.4.1.2 Deleted; Testing (Blower Door Testing)

Section R402.4.1.2 of the International Energy Conservation Code is hereby deleted.

- b. Section R403.3.3 Amended; Duct Testing (Mandatory).

Section R403.3.3 of the International Energy Conservation Code is amended to read as follows:

R403.3.3 Duct Testing (Mandatory). Ducts shall be pressure tested to determine air leakage by one of the following methods:

- (1) Rough-In test: Total leakage shall be measured with a pressure differential of 0.1 inch w.g. (25 Pa) across the system, including the manufacturer's air handler enclosure if installed at the time of the test. Registers shall be taped or otherwise sealed during the test.
- (2) Post construction test: Total leakage shall be measured with a pressure differential of 0.1 inch w.g. (25 Pa) across the entire system, including the manufacturer's air handler enclosure. Registers shall be taped or otherwise sealed during

the test.

Exceptions:

- (1) A duct air-leakage test shall not be required where the ducts and air handlers are located entirely within the building thermal envelope.
- (2) A duct air-leakage test shall not be required for ducts servicing heat or energy recovery ventilators that are not integrated with ducts serving heating or cooling systems.
- (3) A duct air-leakage test shall not be required for ducts that are sprayed with closed cell foam.

A written report of the results of the test shall be signed by the party conducting the test and provided to the Village's Building Inspector.

c. Section R403.3.5 Amended; Building Cavities (Mandatory).

Section R403.3.5 of the International Energy Conservation Code is amended to read as follows:

- (1) R403.3.5 Building Cavities (Mandatory). Building framing cavities shall not be used as ducts or plenums.

Exception: Interior building cavities may be used as ducts or plenums for return air when completely panned and sealed.

Section R403.6 Deleted; Mechanical Ventilation (Mandatory). (Outside Air Intake and Exhaust w/Automatic or Gravity Dampers)

Section R403.6 of the International Energy Conservation Code is hereby deleted.

Table R402.1.2 Amended; Insulation and Fenestration Requirements by Component.

Table R402.1.2 of the International Energy Conservation Code is amended to read as follows:

TABLE R402.1.2 INSULATION AND FENESTRATION REQUIREMENTS BY COMPONENT*										
CLIMATE ZONE	FENESTRATION U-FACTOR R ^b	SKYLIGHT U-FACTOR	GLAZED FENESTRATION SHGC ^{b,c}	CEILING R-FACTOR	WOOD FRAME WALL R-VALUE	MASS WALL R-VALUE E ¹	FLOOR R-VALUE	BASEMENT WALL R-VALUE	SLAB ^d R-VALUE & DEPTH	SPACE ^e WALL R-VALUE
1	NR	0.75	0.25	30	13	3/4	13	0	0	0
2	0.40	0.65	0.25	38	13	4/6	13	0	0	0
3	0.32	0.55	0.25	38	20 or 13+5 ^h	8/13	19	5/13 ^f	0	5/13
4 except Marine	0.32	0.55	0.40	49	20 or 13+5 ^h	8/13	19	10/13	10, 2 ft	10/13
5 and Marine 4	0.30	0.55	NR	49	20 or 13+5 ^h	13/17	30 ^g	10/13	10, 2 ft	15/19
6	0.30	0.55	NR	49	20+5 ^h or 13+10 ^h	15/20	30 ^g	15/19	10, 4 ft	15/19
7 and 8	0.30	0.55	NR	49	20+5 ^h or 13+10 ^h	19/21	38 ^g	15/19	10, 4 ft	15/19

Section 2. These codes shall govern the issuance of all building permits and all construction within the Village and its extraterritorial zoning jurisdiction to the extent not in conflict with the law of the State of Nebraska. All Village officials shall be governed by the above codes, and no building permit shall be issued nor construction approved unless such building permit and construction conform to such codes.

Section 3. Not less than one (1) copy of the codes shall be on file at the office of the Village Clerk and made available for public inspection at any reasonable time.

Section 4. It shall be unlawful for any person, firm or corporation, or other entity, to the rack, constructed, enlarged, alter, repair, move, improve, remove, convert, the mileage, equipped, use, occupy or maintain any building or structure or cause or permit the same to be done in violation of this ordinance.

Section 5. Any other ordinance or section passed and approved prior to the passage, approval, and publication or posting of this ordinance and in conflict with its provisions is repealed.

Section 6. This ordinance is adopted and published in pamphlet form, and shall take effect and be in full force from and after its passage, approval, and publication or posting as required by law.

Passed and approved this 10th day of MARCH 2026.



Jeff Anderson, Chair

ATTEST:



Shelli Hayes, Village Clerk

Publication date: MARCH 13, 2026.

ORDINANCE RECORD

ORDINANCE # 701

1 READING

Chairman Anderson introduced and read by title Ordinance # 701.

TRUSTEE BARTLETT moved, seconded by TRUSTEE SCHROEDER that the statutory rule requiring reading on three different days be suspended so that Ordinance # 701 be introduced, read by title, and adopted (3/4 vote required).

The following BOARD OF TRUSTEES voted: AYES:

BLESSING , FLAK , SCHROEDER , BARTLETT ,
ANDERSON ; MOTION CARRIED.

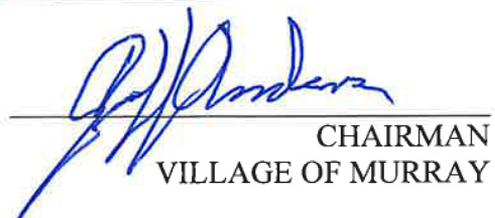
Chairman Anderson raised the question "Shall Ordinance # 701 be adopted as read by title?" TRUSTEE SCHROEDER moved, seconded by TRUSTEE BARTLETT that said Ordinance #701 be adopted, published, or posted as required by law.

The following BOARD OF TRUSTEES voted: AYES:

BLESSING , FLAK , SCHROEDER , BARTLETT ,
ANDERSON ; MOTION CARRIED.

Upon passage and adoption having been concurred in by majority vote of the Board of Trustees, the Chairperson declared the Ordinance adopted. A true and correct copy of the Ordinance is attached.

DATED THIS 10TH DAY OF MARCH, 2026.


CHAIRMAN
VILLAGE OF MURRAY

ATTEST:


VILLAGE CLERK

(SEAL)

CERTIFICATION OF PASSAGE

ORDINANCE #701

STATE OF NEBRASKA
COUNTY OF CASS
VILLAGE OF MURRAY

I, Shelli S. Hayes, Village Clerk of the Village Of Murray, Cass County Nebraska, hereby certify that a true and exact copy Ordinance #701 as attached herewith, was passed and approved on the 10TH day of MARCH, 2026, and has been published in a legal newspaper, the Omaha World Herald as per the attached **affidavit of publication**, OR posting as required by law. Posting sites: Cornerstone Bank, Murray Post Office, Murray Municipal Building.

Posted this 12TH day of MARCH, 20 26.


Shelli S. Hayes, Village Clerk

(SEAL)

VILLAGE OF MURRAY
NOTICE OF PUBLICATION OF
ORDINANCE IN PAMPHLET FORM

On the 10th day of March 2026, the Village of Murray Board of Trustees adopted an ordinance entitled:

ORDINANCE NO. 701

AN ORDINANCE OF THE VILLAGE OF MURRAY, NEBRASKA, TO ADOPT ARTICLE XV, CHAPTER 150, SECTION 150.30, INTERNATIONAL BUILDING CODES FOR CONSTRUCTION OF BUILDINGS WITHIN THE VILLAGE AND WITHIN THE VILLAGE'S ZONING JURISDICTION EXCEPT THOSE BUILDINGS EXEMPTED FROM THE VILLAGE'S JURISDICTION; TO REPEAL ALL ORDINANCES IN CONFLICT; TO PROVIDE FOR PUBLICATION IN PAMPHLET FORM; AND TO PROVIDE AN EFFECTIVE DATE.

Said Ordinance was published in pamphlet form and copies thereof are available at the office of the Village Clerk, 106 W Main Street, Murray, Nebraska.

Shelli S. Hayes, Village Clerk