



## INSPECTIONS

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### AGENDA BOARD OF APPEALS

**April 21, 2016**

**9:30 A.M.**

**City Commission Chambers**

- I. Approve the Minutes of the April 7, 2016 Meeting
- II. Unfinished Business
- III. New Business
  - a. Review of all Amendments for Proposed Adoption
    - i. 2015 International Building Code
    - ii. 2015 International Fire Code
    - iii. 2015 International Residential Code
    - iv. 2015 International Mechanical Code
    - v. 2015 International Fuel Gas Code
    - vi. 2015 International Energy Conservation Code
    - vii. 2015 International Property Management Code
    - viii. 2015 International Existing Building Code
- IV. Staff Reports
- V. Adjournment

**Note: Meeting will be broadcast live.**

People with disabilities who plan to attend the meeting and need special accommodations should contact Gretchen Morlan at 241-1561 or TDD at 241-8258. Please contact us at least three business days in advance of public meetings to give our staff adequate time to make arrangements.

## 2015 IBC AMENDMENTS Revision

**Section 801.5** was presented during the code review on September 17, 2015:

Staff recommends continuing the existing local amendment to reference the City of Fargo Flood Ordinance.

**Change:**

In the final list of amendments, Section 801.5 is ***deleted in its entirety***.

# 2015 IRC AMENDMENTS Revisions

**Section R104.8 Liability.** Section is hereby *revised* as follows:

Second paragraph is reworded; Section R104.8.1 Legal defense, was added:

**Section R104.8** is hereby amended to read as follows:

**R104.8. Liability.** The building official, member of the board of appeals or employee charged with the enforcement of this code, while acting for the jurisdiction in good faith and without malice in the discharge of the duties required by this code or other pertinent law or ordinance, shall not thereby be rendered civilly or criminally liable personally and is hereby relieved from personal liability for any damage accruing to persons or property as a result of any act or by reason of an act or omission in the discharge of official duties.

This code shall not be construed to relieve from or lessen the responsibility of any person owning, operating, or controlling any building or structure for any damages to persons or property caused by defects, nor shall the code enforcement agency or the city be held as assuming any such liability by reason of the inspection authorized by this code or any permits or certificates issued under this code.

**R104.8.1 Legal defense.** Any suit or criminal complaint instituted against an officer or employee because of an act or omission performed by that officer or employee in the lawful discharge of duties and under the provisions of this code shall be afforded all the immunities and defenses provided by other applicable local, state or federal laws ~~and shall be defended by legal representative of the jurisdiction until the final termination of the proceedings.~~ The building official or any subordinate shall not be liable for cost in any action, suit or proceeding that is instituted in pursuance of the provisions of this code.

**Section R105.2, exception 10.**

Section 105.2, exception 10 was initially amended to be *deleted*, Section is hereby *revised* as follows:

**Section R105.2, exception 10** will not be deleted, but instead must state: 10. Decks not exceeding ~~200~~ 120 square feet (~~185.8 m<sup>2</sup>~~) in area, that are not more than ~~30~~ 7 inches above grade at any point, are not attached to a dwelling do not serve the exit door required by Section R311.4.

**Table R301.2(1)** is hereby amended to include the following entries from left to right within the table: Table is hereby *revised* as follows: 90 mph is replaced with 115 mph; none is replaced with no):

<u>50 psf</u>	<u>115 mph</u>	<u>no</u>	<u>no</u>	<u>no</u>	<u>Zone A</u>	<u>Severe</u>	<u>4.5 feet</u>
<u>none</u>	<u>-18</u>	<u>yes</u>	<u>1978</u>	<u>4,000</u>	<u>41.5</u>		

**Table R302.1(1) Exterior Walls. Revised** amendment. The fourth column is hereby amended as follows:

**Original Amendment:**

< 5 3 feet

≥ 5 3 feet

≥ 2 feet to < 5 3 feet

≥ 5 3 feet

< 3 feet

3 feet

5 feet

< 5 feet

5 feet

**Revised Amendment:**

< 5 3 feet

≥ 5 3 feet

< 2 feet

≥ 2 feet to < 5 3 feet

≥ 5 3 feet

< 3 feet

3 feet

5 feet

< 3 feet

3 feet

\*\* Add the following footnote for the first column in walls: °

° A common 2-hour fire-resistance-rated wall assembly is permitted for two or more family dwellings where the common wall is on a property line provided such walls do not contain plumbing or mechanical equipment, ducts or vents in the cavity of the common wall. Electrical installations shall be installed in accordance with chapters 34 through 43. Penetrations of electrical outlet boxes shall be in accordance with section 302.4

**Section R302.2 *added*** amendment:

**Section R302.2** is hereby amended to read as follows:

**R302.2 Townhouses.**\*\*\*

1. \*\*\*
2. Where a fire sprinkler system in accordance with section P2904 is not provided, the common wall shall be not less than a 2-hour fire-resistance-rated wall assembly or two 1-hour fire-resistance-rated wall assemblies tested in accordance with ASTM E 119 or UL 263.

**Section R307.1 *revised*** amendment.

**Section R307.1** is hereby amended to read as follows:

**R307.1 Space required.** Fixtures shall be spaced in accordance with ~~Figure R307.1, and in accordance with the requirements of Section P2705.1~~ the North Dakota State Plumbing Code and per Figure R307.1, with the exception of the clearance in front of water closets and bidets which shall be at least 24 inches.

**Section R310.2.1** amendment was ***deleted***. Section was amended in error.

**Section R310.2.2 *revised*** amendment.

**Section R310.2.2** is hereby amended to read as follows:

**R310.2.2 Window sill height.** Where a window is provided as the emergency escape and rescue opening, it shall have a sill height of not more than 44 inches (1118 mm) above the floor; where the sill height is below grade it shall be provided with a window well in accordance with Section R310.2.3. Sill height shall be measured from the finished floor to the bottom of the clear opening.

**Exception:** Below grade emergency escape and rescue windows may have a maximum sill height of 48 inches.

**Sections R602.7.2, R602.7.5 and Table R602.7.5** were not listed in the proposed amendments at the January 7, 2016 Board meeting. The following amendments have been **added**:

**Section 602.7.2** is hereby amended to read as follows:

**Rim board headers.** Rim board header size, material and span shall be in accordance with Table R602.7(1). Rim board headers shall be constructed in accordance with Figure R602.7.2 and shall be supported at each end by full-height studs. ~~The number of full-height studs shall be not less than the number of studs displaced by half of the header span based on the maximum stud spacing in accordance with Table R302.3(5).~~ Rim board headers supporting concentrated loads shall be designed in accordance with accepted engineering practice.”

**Section R602.7.5** is hereby amended to read as follows:

**Support for headers.** Headers shall be supported on each end with one or more jack studs or with approved framing anchors in accordance with Table R602.7(1) or R302.7(2). The full-height stud adjacent to each end of the header shall be end nailed to each end of the header with four-16d nails (3.5 inches x .0135 inches). ~~The minimum number of full-height studs at each end of a header shall be in accordance with Table R602.7.5.~~

**Table R602.7.5** is hereby deleted in its entirety.

**Section M1502.4.2 revised** amendment. 5 feet is changed to 4 feet and wording “shall be sealed in accordance with Section M1601.4.1” is deleted.

**Section M1502.4.2** is hereby amended to read as follows:

**M1502.4.2 Duct Installation.** Exhaust ducts shall be supported at intervals not to exceed ~~424~~ feet and shall be secured in place. The insert end of the duct shall extend into the adjoining duct or fitting in the direction of airflow. Exhaust duct joints ~~shall be sealed in accordance with Section M1601.4.1 and shall~~ may be mechanically fastened. Ducts shall not be joined with screws or similar fasteners that protrude more than 1/8 inch (3.2 mm) into the inside of the duct.

**Section M1601.4.1, Exception 3** *added* amendment.

**Section M1601.4.1, Exception 3** is hereby amended to read as follows:

**M1601.4.1, Exception 3** For ducts having a static pressure classification of less than 2 inches of water column (500 Pa), additional closure systems shall not be required for continuously welded joints and seams and locking-type joints and seams, ~~of other than the snap-lock and button-lock types.~~

**Section G2439.7.2** an amendment to this section was *recommended* at the February 4, 2016 Board meeting. Amendment has been *added*.

**Section G2439.7.2 (614.8.2)** is hereby amended to read as follows:

**G2439.7.2 (614.8.2) Duct Installation.** Exhaust ducts shall be supported at 4-foot (1219 mm) intervals and secured in place. The insert end of the duct shall extend into the adjoining duct or fitting in the direction of airflow. Ducts shall not be joined with screws, ~~or similar fasteners that protrude more than 1/8 inch (3.2 mm) into the inside of the duct.~~

# 2015 IMC AMENDMENTS Revisions

Section 403.1 *added* amendment.

Section 403.1 Ventilation system is hereby amended to read as follows:

**403.1 Ventilation system.** Mechanical ventilation shall be provided by a method of supply air and return or *exhaust air* ~~except that mechanical ventilation air requirements for Group R-2, R-3 and R-4 occupancies three stories and less in height above grade plane shall be provided by an exhaust system, supply system or combination thereof.~~ The amount of supply air shall be approximately equal to the amount of return and *exhaust air*. The system shall not be prohibited from producing negative or positive pressure. The system to convey *ventilation air* shall be designed and installed in accordance with Chapter 6.

Section 1007.2 Operation. *Deleted* amendment.

# 2015 IFGC AMENDMENTS Revision

**Section 614.8.2 *added*** amendment.

**Section 614.8.2** is hereby amended to read as follows:

**Section 614.8.2 Duct installation.** Exhaust ducts shall be supported at 4-foot (1219 mm) intervals and secured in place. The insert end of the duct shall extend into the adjoining duct or fitting in the direction of airflow. ~~Ducts shall not be joined with screws or similar fasteners that protrude more than 1/8 inch (3.2 mm) into the inside of the duct.~~

# 2015 IBC AMENDMENTS

**Section 101.1** is hereby amended to read as follows:

Section 101.1 – Title. These regulations shall be known as the Building Code of ~~(NAME OF JURISDICTION)~~ the city of Fargo hereinafter referred to as “this code.”

**Section 101.4.3** is hereby amended to read as follows:

**Section 101.4.3 Plumbing.** The provisions of the ~~International Plumbing Code~~ North Dakota State Plumbing Code shall apply to the installation, alteration, repair and replacement of plumbing systems, including equipment, appliances, fixtures, fittings and appurtenances, and where connected to a water or sewage system and all aspects of a medical gas system. The provisions of the ~~International Private Sewage Disposal Code~~ North Dakota State Plumbing Code shall apply to private sewage disposal systems.

**Section 104.2.1** is hereby deleted in its entirety.

**Section 104.8** is hereby amended to read as follows:

**Section 104.8 Liability.** The building official, member of the board of appeals or employee charged with the enforcement of this code. While acting for the jurisdiction in good faith and without malice in the discharge of the duties required by this code or other pertinent law or ordinance, shall not thereby be rendered liable personally and is hereby relieved from personal liability for any damage accruing to persons or property as a result of any act or by reason of an act or omission in the discharge of official duties. Any suit instituted against an officer or employee because of an act or omission performed by that officer or employee in the lawful discharge of duties and under the provisions of this code shall be afforded all the protection provided by the city’s insurance pool and immunities and defenses provided by other applicable state and federal laws and shall be defended by legal representative of the jurisdiction until the final termination of the proceedings. The building official or any subordinate shall not be liable for cost in any action, suit or proceeding that is instituted in pursuance of the provisions of this code.

This code shall not be construed to relieve from or lessen the responsibility of any person owning, operating, or controlling any building or structure for any damages to persons or property caused by defects, nor shall the code enforcement agency or the city be held as assuming any such liability by reason of the inspection authorized by this code or any permits or certificates issued under this code.

**Section 104.10.1** is hereby deleted in its entirety.

**Section 105.2** is hereby amended as shown

Work exempt from permit.....

Building:

\*\*\*

2. Fences not over ~~7~~ 8.5 feet high.

\*\*\*

6. Sidewalks and driveways ~~not more than 30 inches (762 mm) above adjacent grade, and not over any basement or story below and are not part of an accessible route.~~

\*\*\*

11. Swings and other playground equipment ~~accessory to detached one- and two-family dwellings.~~

12. Window awnings in ~~Group R-3 and U~~ occupancies, 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.

14. Reroofing.

**Section 107.2.5.1** is hereby deleted.

**Section 107.3.1** is hereby amended to read as follows:

**Section 107.3.1. Approval of construction documents.** When the building official ...One set of construction documents so reviewed shall be retained by the Building Official. ~~The other set shall be returned to the applicant, shall be kept at the site of work and shall be open to inspection by the building official or a duly authorized representative.~~

**Section 109.2** is hereby amended to read as follows:

**Section 109.2 -- Schedule of permit fees.** On buildings, structures, electrical, gas, mechanical, and plumbing systems or alterations requiring a permit, a fee for each permit and plan review shall be paid as required, in accordance with the schedule as established by the ~~applicable governing authority~~ Board of City Commissioners. The plan review fees specified in this subsection are separate from, and in addition to, permit fees. When submittal documents are incomplete or changed so as to require additional plan review or when the project involves deferred submittal items as defined in Section 106.3.4.2, an additional plan review fee shall be charged in an amount not to exceed 10% of the building permit fee established in Section 108.2.

**Section 110.3.3** is hereby deleted in its entirety and subsequent sections renumbered accordingly.

**Section 110.3.10.1** is hereby deleted in its entirety.

**Section 305.2** is hereby amended to read as follows:

**305.2. Group E, day care facilities.** This group includes buildings and structures or portions thereof occupied by more than five twelve children older than 2 ½ years of age who receive educational supervision or personal care services for fewer than 24 hours per day.

**Section 305.2.2** is hereby amended to read as follows:

**305.2.2** Five Twelve or fewer children. A facility having five twelve or fewer children receiving such day care shall be classified as part of the primary occupancy.

**Section 308.6** is hereby amended to read in part as follows:

“...occupied by more than five twelve persons of any age .....

**Section 308.6.1** is hereby amended to read in part as follows:

“.....provides care for more than five twelve but not more than 100 children...”

**Section 308.6.3** is hereby amended to read as follows”

**308.6.3** Five Twelve or fewer persons receiving care. A facility having five twelve or fewer persons receiving custodial care shall be classified as part of the primary occupancy.

**Section 308.6.4** is hereby amended to read as follows:

**Section 308.6.4** Five Twelve or fewer persons receiving care in a dwelling unit. A facility such as the above within a dwelling unit having five twelve or fewer persons receiving custodial care shall be classified as a Group R-3 occupancy or shall comply with the International Residential Code.

**Section 406.3.4.1** final sentence of paragraph 1 is hereby deleted to read as follows:

~~Doors shall be self-closing and self-latching~~

**Section 706.6** is hereby amended to add #7 to read as follows:

7. Fire walls installed within detached structures of Group U or Group S-2 occupancies may terminate at the underside of the roof sheathing provided such walls are not required to be fire-resistive construction due to proximity to property lines.

**Section 801.5** is hereby deleted in its entirety.

**Section 903.3.1.1** is hereby amended to read as follows:

**Section 903.3.1.1.** Sprinkler heads in unoccupied mall tenant spaces may be installed at ceiling height if allowed by the code official. Permission will be granted on an individual basis. Combustible storage shall not be allowed in these unoccupied tenant spaces if sprinkler heads are installed at the ceiling height. Signage shall be provided outlining the storage restriction

**Section 905.1** is hereby amended to add an exception to read as follows.

**Exception:** The installation of fire hose on standpipes may be omitted when approved by the fire code official. Approved standpipe hose valves and connection shall be provided where required.

**Section 907.2.3** is hereby amended to read as follows:

**Section 907.2.3 Group E.** A manual fire alarm system that initiates the occupant notification signal utilizing an emergency voice/alarm communication system meeting the requirements of Section 907.5.2.2 and installed in accordance with Section 907.6 shall be installed in Group E occupancies. When *automatic sprinkler systems* or smoke detectors are installed, such systems or detectors shall be connected to the building fire alarm system. Where approved by the fire code official, a building's emergency communication system interfaced with the fire alarm system in accordance with NFPA 72 is acceptable.

**Section 907.2.11.1** is hereby amended to add paragraph number 4 to read as follows:

4. In dwelling units where the ceiling height of a room open to the hallway serving the sleeping rooms exceeds that of the hallway by 24 inches (610 mm) or more, smoke detectors shall be installed in the hallway and in the adjacent room.

**Section 901.2.11.2** is hereby amended to add paragraph number to read as follows:

4. In dwelling units where the ceiling height of a room open to the hallway serving the sleeping rooms exceeds that of the hallway by 24 inches (610 mm) or more, smoke detectors shall be installed in the hallway and the in the adjacent room.

**Section 1011.1** Exception is amended to read as follows:

**Exception:** 1. Within rooms or spaces used for assembly purposes, stepped aisles shall comply with Section 1029.

2. Stairways used only to attend equipment or private stairways serving an occupant load of 10 or fewer persons and which are not accessible to the public.

**Section 1011.2 Exception 4** Is added to read as follows:

4. Stairways used only to attend equipment or private stairways serving an occupant load of 10 or fewer persons and which are not accessible to the public.

**Section 1011.5.2** paragraph 3 is hereby amended and paragraph 6 is added to read as follows:

3. In Group R-3 occupancies; within dwelling units in occupancies in Group R-2 occupancies; and in Group U occupancies, that are accessory to a Group R-3 occupancy or accessory to individual dwelling units in Group R-2 occupancies; the maximum riser height shall be ~~7.75 inches (197 mm)~~ 8.00 inches and the minimum tread depth shall be ~~40 inches (254 mm)~~ 9 inches; ....

6. Stairways used only to attend equipment or private stairways serving an occupant load of 10 or fewer persons and which are not accessible to the public are permitted to have a maximum 8inch riser height and minimum 9inch tread depth.

**Section 1011.11** exceptions 5 and 6 are added to read as follows:

5. Stairways used only to attend equipment or private stairways serving an occupant load of 10 or fewer persons and which are not accessible to the public.

6. Vehicle service pit stairways are exempt from the rules for stairway railings and guards if they would prevent a vehicle from moving into a position over the pit.

**Section 1015.2** is hereby amended as follows:

**Section 1015.2.** Guards shall be located along open-sided walking surfaces, including mezzanines, equipment platforms, stairs, ramps and landings, that are located more than 30 inches (762mm) measured ~~vertically to the floor or grade below at any point within 36 inches (914mm)~~ horizontally to the edge of the open side above the floor or grade below or if within 36 inches (914mm) horizontally to the edge of the open side the vertical measurement to the floor or grade below is greater than 48 inches. Guards shall be adequate in strength and attachment in accordance with section 1607.8.

**Section 1104.4, Exception 1** is hereby amended as follows:

1. An accessible route is not required to stories, basements and mezzanines that have an aggregate area of not more than 3,000 square feet (278.7 m<sup>2</sup>), are located above and or below accessible levels and are below the third story...

**Section 1203.1** is hereby amended as follows:

Delete second paragraph as follows:

~~Where the air infiltration rate in a dwelling units is less than 5 air changes per hour when tested with a blower door at a pressure 0.2 inch w.c. (50 Pa) in accordance with Section 402.4.1.2 of the International Energy Conservation Code, the dwelling unit shall be ventilated by mechanical means in accordance with Section 403 of the International Mechanical Code.~~

**Section 1207** is hereby deleted in its entirety.

**Sections 1403.6 and 1403.7** are hereby deleted in their entirety.

**Section 1507.2.6** is amended to read as follows:

**Section 1507.2.6 Fasteners.** Fasteners for asphalt shingles shall be galvanized, stainless steel, aluminum, or copper roofing nails, minimum 12 gage 0.105 inch (2.67 mm) shank with a minimum 0.375 inch-diameter (9.5 mm) head, of a length to penetrate through the roofing materials and a minimum of 0.75 (19.1 mm) into the roof sheathing or other fasteners as approved by the building official and shingle manufacturer. Where the roof sheathing is less than 0.75 inch (19.1 mm) thick, the nails shall penetrate through the sheathing. Fasteners shall comply with ASTM F 1667.

(BALANCE TO REMAIN UNCHANGED.)

**Section 1511** is hereby deleted and relocated as Appendix N.

**Section 1601.1** is hereby amended to add the following as a new second paragraph.

It shall not be the responsibility of the building official to determine engineering requirements of this code. Exclusive of the conventional light-frame wood construction provisions referenced in Section 2308, the method to resist loads as referenced in this chapter is the responsibility of a structural engineer or other qualified design professional.

**Section 1610.1** exception is hereby amended to read as follows:

**Exception:** Foundation walls extending not more than 8 9 feet (2438 ~~mm~~) below grade and laterally supported ~~by~~ at the top by flexible diaphragms shall be permitted to be designed for active pressure.

**Section 1612** is hereby deleted in its entirety.

**Section 1804.4** is hereby deleted and the following section enacted:

**Section 1804. Site Grading.** Surface drainage shall be diverted to a storm sewer conveyance or other approved point of collection. Lots shall be graded to drain surface water away from foundation walls.

The procedure used to establish the final ground level adjacent to the foundation shall account for additional settlement of the backfill.

**Section 1804.5** is hereby deleted in its entirety.

**Section 1805.1.2.1** is hereby deleted in its entirety.

**Section 1809.5** is hereby amended to add a new exception 4 as follows:

4. Free-standing buildings used as Group U occupancies for the storage of private or pleasure-type motor vehicles constructed in accordance with Sections 406.3.1.

**Section 2901.1** is hereby amended to read as follows:

The provisions of this chapter and the ~~International Plumbing Code~~ North Dakota State Plumbing Code shall govern the erection, installation, alteration, repairs, relocations, replacement, addition to, use or maintenance of plumbing equipment and systems. Toilet and bathing rooms shall be constructed in accordance with Section 1210. Plumbing systems and equipment shall be constructed, installed and maintained in accordance with the ~~International Plumbing Code~~ North Dakota State Plumbing Code. Private sewage disposal systems shall conform to the ~~International Private Sewage Disposal Code~~ North Dakota State Plumbing Code.

**Section 3109** is hereby deleted and moved Appendix O.

**Section 3313** is hereby deleted in its entirety.

# 2015 IFC Amendments

**Section 101.1** is amended to read as follows:

**101.1 Title.** These regulations shall be known as the *Fire Code* of ~~[NAME OF JURISDICTION]~~ the city of Fargo, hereinafter referred to as “this code.”

**Section 102.1 Subsection 3** is hereby deleted in its entirety.

**Section 102.6** is amended to read as follows:

**102.6 Historic buildings.** The provisions of this code relating to the construction, *alteration*, repair, enlargement, restoration, relocation or moving of buildings or structures shall not be mandatory for existing buildings or structures identified and classified by the state or local jurisdiction as historic buildings where such buildings or structures do not constitute a distinct hazard to life or property. Fire protection in designated historic buildings shall be provided with an *approved* fire protection plan. ~~as required in Section 1103.1.1.~~

**Section 105.6.4** is amended to read as follows:

**105.6.4 Carbon dioxide systems used in beverage dispensing applications.** An operational permit is required for carbon dioxide systems used in beverage dispensing applications having more than ~~400~~ 500 pounds of carbon dioxide.

**Section 105.6.17 Subsection 2** is hereby amended in part to read as follows:

**2.** To store, handle or use Class 1A liquids in excess of ~~5~~ 30 gallons, Class 1B liquids in excess of 60 gallons, Class 1C liquids in excess of 90 gallons (19 L) in a building or ~~in excess of 10 gallons (37.9 L)~~ outside of a building, except that a permit is not required for the following:

**Section 105.6.17 Subsection 3** is hereby amended to read as follows:

**3.** To store, handle or use Class II or Class IIIA liquids in excess of ~~25~~ 120 gallons (~~95 L~~) in a building or in excess of ~~60~~ 120 gallons (~~227 L~~) outside a building, except for fuel oil used in connection with oil-burning equipment.

**Section 105.6.24 Subsections 1, 5, and 6** are hereby deleted in their entirety.

**Section 105.6.30** is hereby deleted in its entirety.

**Section 105.6.31** is hereby deleted in its entirety.

**Section 105.6.34** is amended to read as follows:

**105.6.34 Open flames and candles.** An operational permit is required to use open flames or candles in connection with assembly areas, dining areas of restaurants or drinking establishments. For purposes of this provision, churches shall not be deemed to be assembly areas and shall not be required to obtain a permit to utilize candles in religious ceremonies.

**Section 105.6.41** is amended to read as follows:

**105.6.41 Repair garages and ~~motor fuel-dispensing facilities.~~** An operational permit is required for operation of repair garages.

**Section 105.7.1** is hereby deleted in its entirety.

**Section 105.7.3** is hereby deleted in its entirety.

**Section 105.7.6** is hereby deleted in its entirety.

**Section 105.7.7** is hereby deleted in its entirety.

**Section 105.7.9** is hereby deleted in its entirety.

**Section 105.7.12** is hereby amended to read as follows:

**105.7.12 LP-gas.** A construction permit is required for installation of or modification to an LP-gas system with a single container in excess of 2000 gallons water capacity or the aggregate capacity of containers is more than 4000 gallons in water capacity.

**Section 105.7.13** is hereby deleted in its entirety.

**Section 105.7.14** is hereby deleted in its entirety.

**Section 105.7.15** is hereby deleted in its entirety.

**Section 105.7.17** is hereby deleted in its entirety.

**Section 105.7.18** is hereby deleted in its entirety.

**Section 109.4** is amended in part to read as follows:

**109.4 Violation penalties.**

....shall be guilty of an ~~{SPECIFY OFFENSE} infraction, punishable by a fine of not more than [AMOUNT] dollars or by imprisonment not exceeding [number of days], or both such fine and imprisonment.~~ Every person, firm or corporation violating an ordinance which is punishable as an infraction shall be punished by a fine not to exceed \$1,000.00; the court to have power to suspend said sentence and to revoke the suspension thereof.

**Section 111.4** is amended to read as follows:

**111.4 Failure to comply.** Any *person* who shall continue any work after having been served with a stop work order, except such work as that *person* is directed to perform to remove a violation or unsafe condition, shall be liable to a fine of not less than ~~[AMOUNT]~~ or more than ~~[AMOUNT]~~ five hundred dollars.

**Section 308.1.4** is amended to read as follows:

**308.1.4 Open-flame cooking devices.** Charcoal burners and other open-flame cooking devices shall not be operated on combustible balconies or decks or within 10 feet (3048 mm) of combustible construction.

**Exceptions:**

1. One- and two-family *dwelling*s.
2. Where buildings, balconies and decks are protected by an *automatic sprinkler system*.
3. LP-gas cooking devices having LP-gas container with a water capacity not greater than ~~2 ½ pounds [nominal 1 pound (0.454 kg)]~~ 47.8 pounds [nominal 20 pounds (9 kg) LP-gas capacity].

**Section 308.3** is amended by adding the following subsection 1.4 to exception 1:

**308.3 Group A Occupancies.** Open-flame devices shall not be used in a Group A occupancy.

**Exceptions:**

1. Open-flame devices are allowed to be used in the following situations, provided *approved* precautions are taken to prevent ignition of a combustible material or injury to occupants:

1.4 Open-flame devices for food warming.

**Section 315.3.1** is hereby amended to read as follows:

**315.3.1 Ceiling clearance.** Storage shall be maintained 2 feet (610 mm) or more below the ceiling in nonsprinklered areas of buildings or a minimum of 18 inches (457 mm) below sprinkler head deflectors in sprinklered areas of buildings.

**Exception:** This requirement does not apply to storage adjacent to and within 30 inches of the wall area.

**Section 403.10.1.3** is hereby amended to read as follows:

**403.10.1.3 Fire Safety and evacuation instructions.** Information shall be provided in the fire safety and evacuation plan when required by Section 404 to allow guests to decide whether to evacuate to the outside, evacuate to an *area of refuge*, remain in place, or any combination of the three.

**Section 403.10.2.2** and its subsections are hereby deleted in its entirety.

**Section 404.1** is hereby amended to read as follows:

**404.1 General.** Fire safety, evacuation and lockdown plans and associated drills shall comply with the requirements of Sections 404.2 through 404.4.1 when required by the code official.

**Section 405.1** is hereby amended to read as follows:

**405.1 General.** Emergency evacuation drills ~~complying~~ shall comply with Sections 405.2 through 405.9 ~~shall be conducted not less than annually where the fire safety and evacuation plans are required by Section 403 or where~~ required by the *fire code official*. Drills shall be designed in cooperation with the local authorities.

**Section 503.4** is amended to read as follows:

**503.4 Obstruction of fire apparatus access roads.** Fire apparatus access roads shall not be obstructed in any manner, including the parking of vehicles. The minimum widths and clearances established in Section 503.2.1 and 503.2.2 shall be maintained at all times. Enforcement of such prohibited parking may be accomplished in the same manner as regulations contained in Article 8-10 and in Section 9-0705 of the Fargo Municipal Code.

**Section 510.1** is amended to read as follows:

**510.1 Emergency responder radio coverage in new buildings.** When required by the fire code official, all new buildings shall have *approved* radio coverage for emergency responders within the building based upon the existing coverage levels of the public safety communication systems of the jurisdiction at the exterior of the building. This section shall not require improvement of the existing public safety communication systems.

**Section 806.1.1** is amended by adding the following exception:

3. For purposes of this provision, churches shall not be deemed public buildings and may utilize natural or resin bearing cut trees in the altar area of the church. No electric lighting is allowed on the tree.

**Section 903.3.1** is amended to read as follows:

**903.3.1 Standards.** Sprinkler systems shall be designed with a 5 psi safety margin and installed in accordance with Sections 903.3.1.1, 903.3.1.2 or 903.3.1.3 and other chapters of this code, as applicable.

**Section 903.3.1.1** is amended to read as follows:

**903.3.1.1 NFPA 13 sprinkler systems.** Where the provisions of this code require that a building or portion thereof be equipped throughout with an *automatic sprinkler system* in accordance with this section, sprinklers shall be installed throughout in accordance with NFPA 13 except as provided in Section 903.3.1.1.1.

Sprinkler heads in unoccupied mall tenant spaces may be installed at ceiling height if allowed by the code official. Permission will be granted on an individual basis. Combustible storage shall not be allowed in these unoccupied tenant spaces if sprinkler heads are installed at ceiling height. Signage shall be provided outlining the storage restrictions.

**Section 905.1** is amended by adding the following:

**Section 905.1.1 Standpipe Hose.** The installation of fire hose on standpipes may be omitted when approved by the fire code official. Approved standpipe hose valves and connections shall be provided where required.

**Section 907.2.3** is amended to read as follows:

**Section 907.2.3 Group E.** A manual fire alarm system that initiates the occupant notification signal utilizing an emergency voice/alarm communication system meeting the requirements of Section 907.5.2.2 and installed in accordance with Section 907.6 shall be installed in Group E occupancies. When *automatic sprinkler systems* or smoke detectors are installed, such systems or detectors shall be connected to the building fire alarm system. Where approved by the fire code official, a building's emergency communication system interfaced with the fire alarm system in accordance with NFPA 72 is acceptable.

**Section 907.8.3** is hereby deleted in its entirety.

**Section 1011.5.2 Exception 3, 6** is amended in part to read as follows:

3. In Group R-3 occupancies; within dwelling units in Group R-2 occupancies; and in Group U occupancies that are accessory to a Group R-3 occupancy or accessory to individual dwelling units in Group R-2 occupancies; the maximum riser height shall be ~~7 ¾ inches (197 mm)~~ 8 inches; the minimum tread depth shall be ~~10 inches (254 mm)~~ 9 inches;

6. Stairways used only to attend equipment or private stairways serving an occupant load of 10 or fewer persons and which are not accessible to the public are permitted to have a maximum 8-inch riser height and minimum 9 tread depth.

**Chapter 11** is hereby deleted in its entirety.

**Section 2303.1** is hereby amended by adding Subsection 6:

6. On new installations, dispensing devices used to fill portable containers with home heating fuels shall not be located on the same island where Class I liquids are dispensed.

**Section 2306.1** is amended to read as follows:

**2306.1 General.** Storage of flammable and combustible liquids shall be in accordance with Chapter 57 and Sections 2306.2 through 2306.6.3. See also Fargo Municipal Code, Section 9-0604.

**Section 5704.2.9.6.1** is amended to read as follows:

**5704.2.9.6.1 Locations where above-ground tanks are prohibited.** Storage of Class I and II liquids in above-ground tanks outside of buildings shall be installed only in areas zoned industrial or limited industrial and shall be located at least 300 feet from all non-industrial zoned districts. ~~is prohibited within the limits established by law as the limits of districts in which such storage is prohibited (see Section 3 of the Sample Legislation for Adoption of the International Fire Code on page xxi).~~

**Section 5704.2.13.1.4** is amended by adding the following Subsection 7:

7. Site assessment is required to determine if there are any spills, leaks, or discharge from the tank system. Records of site assessment shall be kept on the site of tank location.

**Section 5705.3.7.5.1 Exception** is amended to read as follows:

**Exception:** 1. Where natural ventilation can be shown to be effective for the materials used, dispensed or mixed.  
2. When approved by the chief, continuous ventilation may be provided for one complete air change per hour, if supplemented with mechanical ventilation designed to provide for a complete air change six times per hour. The non-continuous ventilation equipment and any lighting fixtures shall be operated by the same switch located outside of the door.

**Section 5806.2** is amended to read as follows:

**5806.2 Limitations.** Storage of flammable *cryogenic fluids* in stationary containers outside of buildings shall be installed only in areas zoned industrial or limited industrial and shall be located at least 300 feet from all non-industrial zoning districts. ~~is prohibited within the limits established by law as the limits of the districts in which such storage is prohibited (see Section 3 of the Sample Legislation for Adoption of the *International Fire Code* on page xxi).~~

**Section 6103.2.1.6** is amended to read as follows:

**6103.2.1.6 Use with self-contained torch assemblies.** Portable LP-gas containers are allowed to be used to supply *approved* self-contained torch assemblies or similar appliances. Such containers shall not exceed a water capacity of ~~2½ pounds (1 kg)~~ 12 pounds.

**Section 6104.2** is amended to read as follows:

**6104.2 Maximum capacity within established limits.** ~~Within the limits established by law restricting the storage of liquefied petroleum gas for the protection of heavily populated or congested areas, Unprotected tanks with a water capacity exceeding 2,000 gallons, the or aggregate capacity of any one installation shall not exceed exceeding a water capacity of 2,000 gallons (7570 L) shall be installed only in areas zoned industrial or limited industrial and shall be located at least 300 feet from all non-industrial zoning districts, (see Section 3 of the Sample Legislation for Adoption of the *International Fire Code* on page xxi).~~

**Appendix B Fire-Flow Requirements for Buildings** is adopted and enacted in its entirety.

**Appendix C Fire Hydrant Locations and Distribution** is adopted and enacted in its entirety.

**Appendix D Fire Apparatus Access Roads** is adopted and enacted in its entirety with the following amendment to Section D103.1.

**Section D103.1** is hereby deleted in its entirety.

## 2015 IRC AMENDMENTS

**Section R101.1** is hereby amended to read as follows:

**R101.1 Title.** These provisions shall be known as the Residential Code for One- and Two-family Dwellings of ~~[NAME OF JURISDICTION]~~ the city of Fargo, and shall be cited as such and will be referred to herein as "this code."

**Section R104.8** is hereby amended to read as follows:

**R104.8. Liability.** The building official, member of the board of appeals or employee charged with the enforcement of this code, while acting for the jurisdiction in good faith and without malice in the discharge of the duties required by this code or other pertinent law or ordinance, shall not thereby be rendered civilly or criminally liable personally and is hereby relieved from personal liability for any damage accruing to persons or property as a result of any act or by reason of an act or omission in the discharge of official duties.

This code shall not be construed to relieve from or lessen the responsibility of any person owning, operating, or controlling any building or structure for any damages to persons or property caused by defects, nor shall the code enforcement agency or the city be held as assuming any such liability by reason of the inspection authorized by this code or any permits or certificates issued under this code.

**R104.8.1 Legal defense.** Any suit or criminal complaint instituted against an officer or employee because of an act or omission performed by that officer or employee in the lawful discharge of duties and under the provisions of this code shall be afforded all the immunities and defenses provided by other applicable local, state or federal laws ~~and shall be defended by legal representative of the jurisdiction until the final termination of the proceedings.~~ The building official or any subordinate shall not be liable for cost in any action, suit or proceeding that is instituted in pursuance of the provisions of this code.

**Section R104.10.1** is hereby deleted in its entirety.

**Section R105.2** is hereby amended to read as follows:

**R105.2 Work exempt from permit.** Permits shall not be required for the following. Exemption from 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 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 ~~200~~ 120 square feet (~~185.8 m<sup>2</sup>~~)

2. Fences not over ~~7~~ 8.5 feet (~~2134 mm~~) high.

\* \* \*

7. ~~Prefabricated~~ Swimming pools that are less than 24 inches (610 mm) deep.

\* \* \*

9. 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.

10. Decks not exceeding ~~200~~ 120 square feet (~~185.8 m<sup>2</sup>~~) in area, that are not more than ~~30~~ 7 inches above grade at any point, are not attached to a dwelling and do not serve the exit door required by Section R311.4.

**Section R105.3.1.1** is hereby deleted in its entirety.

**Section R106.1.4** is hereby deleted in its entirety.

**Section R106.4** is hereby deleted in its entirety.

**Section R108.3** is amended to read as follows:

**R108.3 Building permit valuations.** Building *permit* valuation shall include total value of the work for which a *permit* is being issued, such as electrical, gas, mechanical, plumbing equipment and other permanent systems, including materials and labor. If, in the opinion of the *building official*, the valuation is underestimated on the application, the *permit* shall be denied, unless the applicant can show detailed estimates to meet the approval of the *building official*. Final building *permit* valuation shall be set by the *building official*.

**Section R201.3** is hereby amended to read as follows:

**R201.3 Terms defined in other codes.** Where terms are not defined in this code such terms shall have meanings ascribed to them as in other code publications of the International Code Council. Wherever the term 'International Plumbing Code' and/or 'International Private Sewage Disposal Code' is used in the International Residential Code, it shall mean the North Dakota State Plumbing Code. Wherever the term 'ICC Electrical Code' is used in the International Residential Code, it shall mean the National Electrical Code together with the North Dakota State Wiring Standards. Wherever reference is made to flood plain requirements, it shall mean the Fargo Flood Plain Management Ordinance together with the Fargo Flood Proofing Code (Fargo Municipal Code Article 21-06).

**Table R301.2(1)** is hereby amended to include the following entries from left to right within the table:

<u>50 psf</u>	<u>115 mph</u>	<u>no</u>	<u>no</u>	<u>no</u>	<u>Zone A</u>	<u>Severe</u>	<u>4.5 feet</u>	<u>none</u>	<u>-18</u>
<u>yes</u>	<u>1978</u>	<u>4,000</u>	<u>41.5</u>						

**Section R301.2.4** is hereby deleted in its entirety.

**Table R302.1(1) Exterior Walls.** The fourth column is hereby amended as follows

< 5 3 feet

≥ 5 3 feet

< 2 feet

≥ 2 feet to < 5 3 feet

≥ 5 3 feet

< 3 feet

3 feet

5 feet

< 3 feet

3 feet

**\*\*** Add the following footnote for the first column in walls: <sup>c</sup>

<sup>c</sup> A common 2-hour fire-resistance-rated wall assembly is permitted for two or more family dwellings where the common wall is on a property line provided such walls do not contain plumbing or mechanical equipment, ducts or vents in the cavity of the common wall. Electrical installations shall be installed in accordance with chapters 34 through 43. Penetrations of electrical outlet boxes shall be in accordance with section 302.4

**Section R302.2** is hereby amended to read as follows:

**R302.2 Townhouses.\*\*\***

1. \*\*\*
2. Where a fire sprinkler system in accordance with section P2904 is not provided, the common wall shall be not less than a 2-hour fire-resistance-rated wall assembly or two 1-hour fire-resistance-rated wall assemblies tested in accordance with ASTM E 119 or UL 263.

**Section R302.5.1** is hereby amended to read as follows:

**R302.5.1 Opening Protection.** Openings from a private garage directly into a room used for sleeping purposes shall not be permitted. Other openings between the garage and residence shall be equipped with solid wood doors not less than 1 $\frac{3}{8}$  inches (35 mm) in thickness, solid or honeycomb-core steel doors not less than 1 $\frac{3}{8}$  inches (35 mm) thick, or 20-minute fire-rated doors, ~~equipped with a self-closing device.~~

**Section R303.4** is hereby deleted in its entirety.

**Section R307.1** is hereby amended to read as follows:

**R307.1 Space required.** Fixtures shall be spaced in accordance with ~~Figure R307.1, and in accordance with the requirements of Section P2705.1~~ the North Dakota State Plumbing Code and per Figure R307.1, with the exception of the clearance in front of water closets and bidets which shall be at least 24 inches.

**Section R309.3** is hereby deleted in its entirety.

**Section R310.2.1** is hereby *removed* from list of amendments; section was amended in error.

**Section R310.2.2** is hereby amended to read as follows:

**R310.2.2 Window sill height.** Where a window is provided as the emergency escape and rescue opening, it shall have a sill height of not more than 44 inches (1118 mm) above the floor; where the sill height is below grade it shall be provided with a window well in accordance with Section R310.2.3. Sill height shall be measured from the finished floor to the bottom of the clear opening.

**Exception:** Below grade emergency escape and rescue windows may have a maximum sill height of 48 inches.

**Section R310.2.3.1** is hereby amended to read as follows:

**R310.2.3.1 Ladder and steps.** Window wells with a vertical depth greater than 44 inches (1118 mm) shall be equipped with a permanently affixed ladder or steps usable with the window in the fully open position, or shall be equipped with a permanently-attached platform at least 30 inches by 16 inches. The maximum distance between the top of the window well and a platform shall be 42 inches and shall not impede the operation of the window. Ladders or steps required by this section shall not be required to comply with Sections R311.7 and R311.8. Ladders or rungs shall have an inside width of at least 12 inches (305 mm), shall project at least 3 inches (76 mm) from the wall and shall be spaced not more than 18 inches (457 mm) on center vertically for the full height of the window well.

**Exception:** Terraced window wells with a maximum of 24 inches per vertical rise and minimum of 12 inches per horizontal projection on each level shall also be allowed.

**Section R311.3 Exceptions** are hereby amended to read as follows:

**R311.3 Floors and landings at exterior doors. \*\*\***

**Exceptions:**

1. Exterior balconies less than 60 square feet (5.6 m<sup>2</sup>) and only accessible from a door are permitted to have a landing less than 36 inches (914 mm) measured in the direction of travel.
2. A landing is not required on the outside of exterior doors other than the required egress door, where a stairway with a total rise of less than 30 inches (762 mm) is located on the exterior side of the door, provided the door does not swing over the stairway.

**Section R311.3.1** is hereby amended to read as follows:

**R311.3.1 Floor elevations at the required egress door.** Landings or finished floors at the required egress door shall not be more than 1½ inches (38 mm) lower than the top of the threshold.

**Exception:** The landing or floor on the exterior side shall not be more than  $7\frac{3}{4}$  8 inches (196 ~~mm~~) below the top of the threshold provided the door does not swing over the landing or floor.

Where exterior landings or floors serving the required egress door are not at grade, they shall be provided with access to grade by means of a ramp in accordance with Section R311.8 or a stairway in accordance with Section R311.7.

**Section R311.3.2** is hereby amended to read as follows:

**R311.3.2 Floor elevations for other exterior doors.** Doors other than the required egress door shall be provided with landings or floors not more than  $7\frac{3}{4}$  8 inches (196 ~~mm~~) below the top of the threshold.

**Exception:** A top landing is not required where a stairway ~~of not more than two risers~~ with a total rise of less than 30 inches (762 mm) is located on the exterior side of the door, provided the door does not swing over the stairway.

**Section R311.7.5.1** is hereby amended to read as follows:

**R311.7.5.1 - Riser height.** The riser height shall be not more than  $7\frac{3}{4}$  8 inches (196 ~~mm~~). \*\*\*

**Section R311.7.5.2** is hereby amended to read as follows:

**R311.7.5.2 Treads.** The tread depth shall be not less than ~~40~~ 9 inches (254~~mm~~). The tread depth shall be measured horizontally between the vertical planes of the foremost projection of adjacent treads and at a right angle to the tread's leading edge. The greatest tread depth within any flight of stairs shall not exceed the smallest by more than 3/8 inch (9.5 mm).

**Exception:** Where a landing is not provided or required by section R311.3, R311.3.2 or R311.7.6, the top tread of a stair serving exterior doors other than the required exit door, and in-swinging doors opening into an attached garage, shall be permitted to exceed the smallest tread by more than 3/8 inch (9.5mm). Such a tread shall be at least 18 inches (457mm) measured in the direction of travel.

**Section R311.7.5.2.1** is hereby amended to read as follows:

**R311.7.5.2.1 Winder treads.** Winder treads shall have a minimum tread depth of ~~40~~ 9 inches (254~~mm~~) measured between the vertical planes of the foremost projection of adjacent treads at the intersections with the walkline. \*\*\*

**Section R311.7.6** exceptions are hereby amended to read as follows:

**R311.7.6 Landings for stairways.** There shall be a floor or landing at the top and bottom of each stairway. \*\*\*

**Exceptions:**

1. A floor or landing is not required at the top of an interior flight of stairs, including stairs in an enclosed garage, provided a door does not swing over the stairs.
2. A landing is not required at the top of an exterior flight of stairs with a total rise of less than 30 inches, provided the door does not swing over the stairway.

**Section R312.1.1** is hereby amended to read as follows:

**R312.1.1 Where Required.** Guards shall be located along open-sided walking surfaces, including stairs, ramps and landings, that are located more than 30 inches (762mm) measured vertically to the floor or grade below, ~~at any point within 36 inches (914mm) horizontally to the edge of the open side.~~ Insect screening shall not be considered as a guard.

**Section R313.1** is amended to read as follows:

**R313.1 Townhouse automatic fire sprinkler systems.** An automatic residential sprinkler system shall be installed in *townhouses* where the townhouses are located on a private street or private fire department access road that is required to be greater than 150 feet in length as required by Section 503 of the International Fire Code.

**Section R313.1.1** is amended to read as follows:

**R313.1.1 Design and installation.** Automatic residential fire sprinkler systems for *townhouses* shall be designed and installed in accordance with ~~Section P2904 or NFPA 13D,~~ NFPA 13R or NFPA 13.

**Sections R313.2 and R313.2.1** are hereby deleted in their entirety

**Section R314.3** is hereby amended to read as follows:

**R314.3 Location.** Smoke alarms shall be installed in the following locations:

\*\*\*

5. In dwelling units where the ceiling height of a room open to the hallway serving the bedrooms exceeds that of the hallway by 24 inches (610 mm) or more, smoke detectors shall be installed in the hallway and in the adjacent room.

**Section R322** is hereby deleted in its entirety.

**Section R326** is hereby deleted in its entirety.

**Section R401.1** is hereby amended to read as follows:

**R401.1 Application.** The provisions of this chapter shall control the design and construction of the foundation and foundation spaces for all buildings. In addition to the provisions of this chapter, the design and construction of foundations in flood hazard areas ~~as established by Table R301.2(1)~~ shall meet the provisions of Section R322 the Fargo Flood Proofing Code (Article 21-06) and any other applicable requirements of the city of Fargo. Wood foundations shall be designed and installed in accordance with AF&PA PWF.

**Section R401.3** is hereby amended to read as follows:

**R401.3 Drainage.** Surface drainage shall be diverted to a storm sewer conveyance or other approved point of collection ~~that does not create a hazard.~~ Lots shall be graded to drain surface water away from foundation walls. ~~The grade shall fall a minimum of 6 inches (152mm) within the first 10 feet (3048mm).~~

**Exception:** ~~Where lot lines, walls, slopes or other physical barriers prohibit 6 inches (152mm) of fall within 10 feet (3048mm), drains or swales shall be constructed to ensure drainage away from the structure. Impervious surfaces within 10 feet (3048mm) of the building foundation shall be sloped a minimum of 2 percent away from the building.~~

**Section R403.1.4.1**, Exceptions 1, 2 and 3, are hereby amended to read as follows:

**R403.1.4.1 Frost protection**

\*\*\*

**Exceptions:**

1. Protection of freestanding accessory structures ~~with an area of 600 square feet (56 m<sup>2</sup>) or less, of light-frame construction, with an eave height of 10 feet (3048 mm) or less~~ shall not be required.
2. Protection of freestanding, accessory structures with an area of 400 square feet (37 m<sup>2</sup>) or less, of other than light-frame construction, ~~with an eave height of 10 feet (3048 mm) or less~~ shall not be required.
3. Decks ~~not supported by a dwelling~~ need not be provided with footings that extend below the frost line.

\*\*\*

**Section R404.1.3.2** is hereby amended to read as follows:

**R404.1.3.2 Reinforcement for foundation walls.** Concrete foundation walls shall be laterally supported at the top and bottom. Horizontal reinforcement shall be provided in accordance with Table R404.1.2(1). Vertical reinforcement shall be provided in accordance with Table R404.1.2(2), R404.1.2(3), R404.1.2(4), R404.1.2(5), R404.1.2(6), R404.1.2(7), ~~or R404.1.2(8),~~ or Table R404.1.2(10) and Figure R404.1.2(1) or Table R404.1.2(11) and R404.1.2(2). Vertical reinforcement for flat basement walls retaining 4 feet (1219 mm) or more of unbalanced backfill is permitted to be determined in accordance with Table R404.1.2(9). For basement walls supporting above-grade concrete walls, vertical reinforcement shall be the greater of that required by Tables R404.1.2(2) through R404.1.2(8) or by Section R611.6 for the above-grade wall. In Buildings assigned to Seismic Design Category D<sub>0</sub>, D<sub>1</sub>, or D<sub>2</sub>, concrete foundation walls shall also comply with Section R404.1.4.2

Table R404.1.2(10) is hereby adopted as follows:

**Table R404.1.2(10)**

**Foundation Wall Reinforcing**

Active Pressure = 45pcf

Minimum Reinforcement for Concrete Foundation Walls		
Wall Height (h) feet	Wall Thickness (t) inches	Vertical Reinforcing
8	8	#4 @ 24" o.c. #5 @ 40" o.c.
	10	#4 @ 30" o.c. #5 @ 50" o.c.
9	8	#4 @ 18" o.c. #5 @ 28" o.c.
	10	#4 @ 24" o.c. #5 @ 36" o.c.
10	10	#4 @ 16" o.c. #5 @ 26" o.c.

Notes:

1. Chart is based on an active soil pressure of 45 pounds per cubic foot (pcf).
2. Reinforcing steel shall be ASTM A615  $F_y$  – 60,000 pounds per square inch (psi).
3. The vertical reinforcing bars are to be located on the inside face.
4. Minimum concrete strength  $F_c^1$  = 3,000 pounds per square inch (psi).
5. Backfill shall not be placed until first floor framing and sheathing is installed and fastened or adequately braced and the concrete floor slab is in place or the wall is adequately braced.

Table R404.1.2(11) is hereby adopted as follows:

**Table R404.1.2(11) Foundation Wall Reinforcing**

Active Pressure = 65 pcf

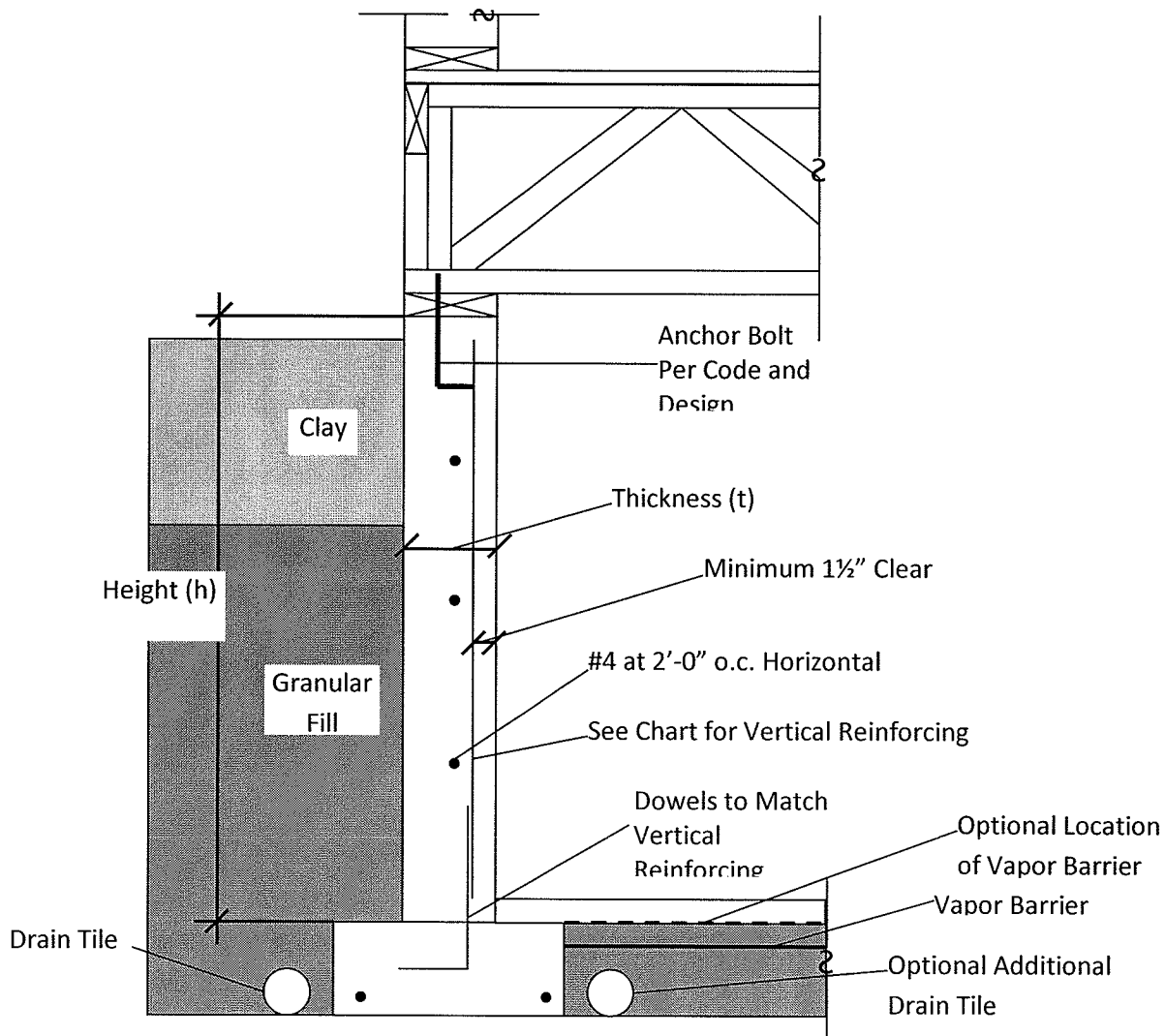
<b>Minimum Reinforcement for Concrete Foundation Walls</b>		
Wall Height (h) Feet	Wall Thickness (t) inches	Vertical Reinforcing
8	8	#4 @ 18" o.c. #5 @ 26" o.c. #6 @ 40" o.c.
	10	#4 @ 24" o.c. #5 @ 36" o.c. #6 @ 52" o.c.
9	8	#4 @ 12" o.c. #5 @ 18" o.c. #6 @ 26" o.c.
	10	#4 @ 16" o.c. #5 @ 24" o.c. #6 @ 36" o.c.
10	10	#4 @ 12" o.c. #5 @ 18" o.c. #6 @ 24" o.c.

**Table R404.1.2(11) Foundation Wall Reinforcing (continued):**

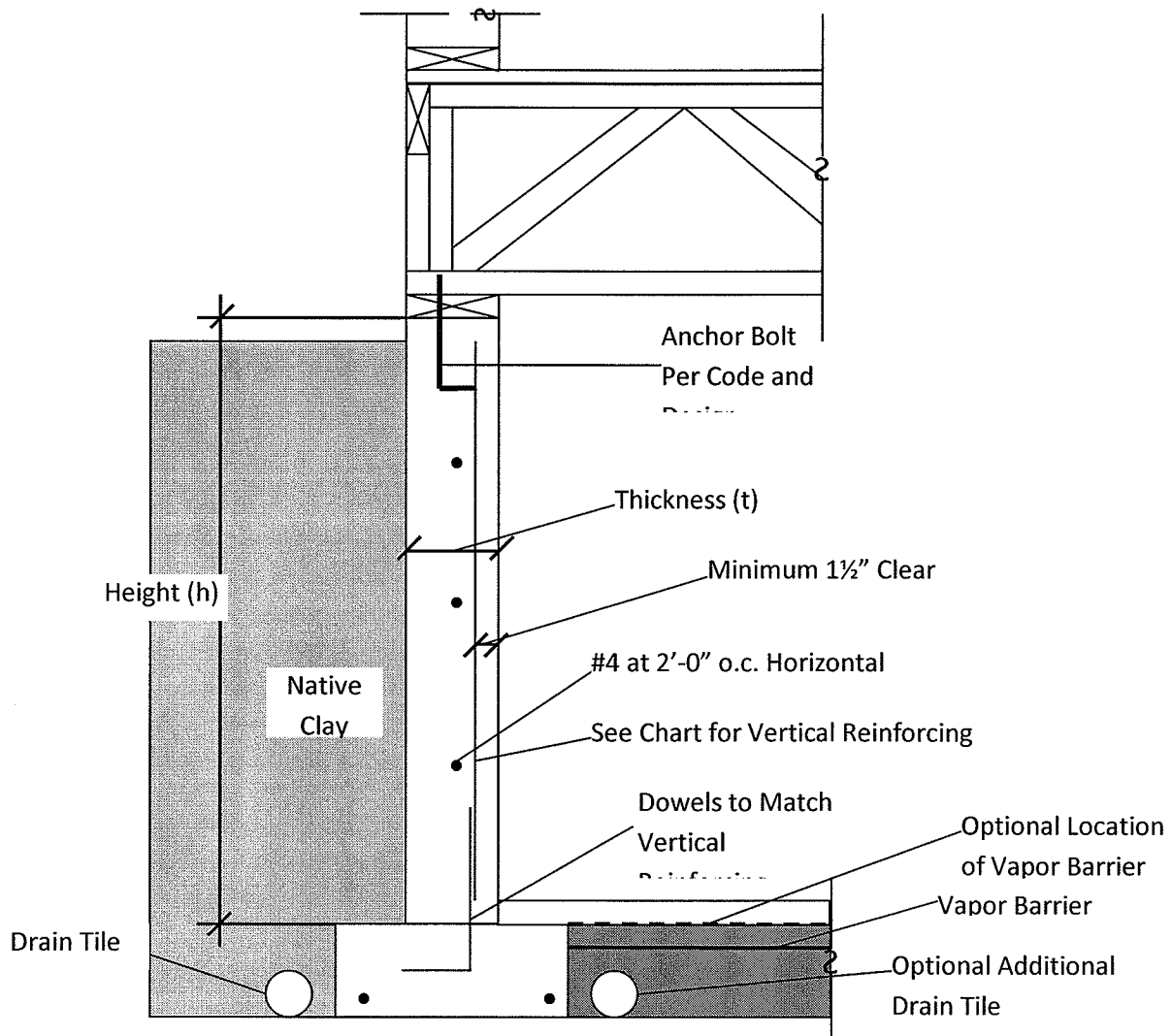
Notes:

1. Chart is based on an active soil pressure of 65 pounds per cubic foot (pcf).
2. Reinforcing steel shall be ASTM A615  $F_y$  – 60,000 pounds per square inch (psi).
3. The vertical reinforcing bars are to be located on the inside face.
4. Minimum concrete strength  $F_c^1$  = 3,000 pounds per square inch (psi).
5. Backfill shall not be placed until first floor framing and sheathing is installed and fastened or adequately braced and the concrete floor slab is in place or the wall is adequately braced.

**Figures R404.1.2(1) and R404.1.2(2) are adopted as shown:  
FIGURE R404.1.2(1)**



**FIGURE R404.1.2(2)**



**Section R405.2.3** is hereby amended to read as follows:

**R405.2.3 - Drainage system**

In other than Group I soils, a sump shall be provided to drain the porous layer and footings. The sump shall be at least 24 inches (610 mm) 18 inches in diameter or ~~20~~ 16 inches square (~~0.0129m<sup>2</sup>~~), shall extend at least 24 inches (610 mm) below the bottom of the basement floor and shall be capable of positive gravity or mechanical drainage to remove any accumulated water. The drainage system shall discharge into an approved sewer system or to daylight.

**Section 507.8.1** is hereby deleted in its entirety.

**Section R602.7.2** is hereby amended to read as follows:

**Rim board headers.** Rim board header size, material and span shall be in accordance with Table R602.7(1). Rim board headers shall be constructed in accordance with Figure R602.7.2 and shall be supported at each end by full-height studs. ~~The number of full-height studs shall be not less than the number of studs displaced by half of the header span based on the maximum stud spacing in accordance with Table R302.3(5).~~ Rim board headers supporting concentrated loads shall be designed in accordance with accepted engineering practice.”

**Section R602.7.5** is hereby amended to read as follows:

**Support for headers.** Headers shall be supported on each end with one or more jack studs or with approved framing anchors in accordance with Table R602.7(1) or R302.7(2). The full-height stud adjacent to each end of the header shall be end nailed to each end of the header with four-16d nails (3.5 inches x .0135 inches). ~~The minimum number of full-height studs at each end of a header shall be in accordance with Table R602.7.5.~~

**Table 602.7.5** is hereby deleted in its entirety.

**Section R602.10** is hereby amended to read as follows:

**R602.10 Wall bracing.** Buildings shall be braced in accordance with this section or, when applicable, Section R602.12. Where a building, or portion thereof, does not comply with one or more of the bracing requirements in this section, those portions shall be designed and constructed in accordance with Section R301.1.

**Exception:** The wall bracing requirements of section R602.10 of the 2006 International Residential Code may be used as an alternative to this section.

**Section R703.7.2** is hereby amended to read as follows:

**R703.7.2 Plaster.** Plastering with portland cement plaster shall be not less than three coats when applied over metal lath or wire lath and shall be not less than two coats when applied over masonry, concrete, pressure-preservative treated wood or decay-resistant wood as specified in Section R317.1 or gypsum backing. If the plaster surface is completely covered by veneer or other facing material or is completely concealed, plaster application need be only two coats, provided the total thickness is as set forth in Table R702.1(1). Approved decorative coatings applied to a concrete or masonry surface shall be installed in accordance with the manufacturer's installation instructions.

\*\*\*

**Section R806.1** is hereby amended to add the exception as follows:

**R806.1 Ventilation required.**

**Exception:** Attic ventilation shall not be required when determined to not be necessary by the building official due to atmospheric or climatic conditions.

**Section R905.2.5** is hereby amended to read as follows:

**R905.2.5 Fasteners.** Fasteners for asphalt shingles shall be galvanized steel, stainless steel, aluminum or copper roofing nails, minimum 12 gage [0.105 inch (3 mm)] shank with a minimum 3/8 inch (10 mm) diameter head, complying with ASTM F 1667, of a length to penetrate through the roofing materials and a minimum of ¾ inch (19 mm) into the roof sheathing or other fasteners as approved by the building official and shingle manufacturer. Where the roof sheathing is less than ¾ inch (19 mm) thick, the fasteners shall penetrate through the sheathing.

**Section R908** is hereby deleted in its entirety and relocated to the Appendices as Appendix R.

**Table N1102.1.2 (R402.1.2)** is hereby amended to read as follows:

Insulation and Fenestration Requirements By Component				
Climate Zone	###	Wood Frame Wall R-Value	###	Basement <sup>c</sup> Wall R-Value
6	###	<u>20 or 13+5h,i</u> <del>20 + 5 or</del> <del>13 + 10h,i</del>	###	<u>15/19</u> <u>10/13</u>
7 and 8	###	<u>20 or 13 + 5h,i</u> <del>20 + 5 or</del> <del>13 + 10h,i</del>	###	<u>15/19</u> <u>10/13</u>

(Balance of Table remains the same.)

**Table N1102.1.4 (R402.1.4)** is hereby amended to read as follows:

Equivalent U-Factors				
Climate Zone	###	Frame Wall U-Factor	###	Basement Wall U-Factor
6	###	0.048 <u>0.057</u>	###	0.050 <u>0.059</u>
7 and 8	###	0.048 <u>0.057</u>	###	0.050 <u>0.059</u>

(Balance of Table remains the same.)

**Section N1102.4 (R402.4)** is hereby amended to read as follows:

**Section N1102.4 (R402.4) Air leakage (Mandatory).** The building thermal envelope shall be constructed to limit air leakage in accordance with the requirements of Section R402.4.1 through R402.4.4. Exception: Dwelling units of R-2 Occupancies and multiple single family dwellings shall be permitted to comply with IECC Section C402.5.U.

**Section N1102.4.1.3** is hereby adopted to read as follows:

**Section N1102.4.1.3 Visual Inspection Option.** Building envelope tightness and insulation shall be considered acceptable when installed in accordance with Table N1102.4.1.1 (R402.4.1.1) - "Air Barrier and Insulation" and has been field verified.

**Section N1103.3.2, Exception 2** is hereby amended to read as follows:

**Section N1103.3.2, Exception 2** For ducts having a static pressure classification of less than 2 inches of water column (500 Pa), additional closure systems shall not be required for continuously welded joints and seams, and locking-type joints and seams, ~~of other than the snap-lock and button-lock types.~~

**Section N1103.3.5** is hereby amended to read as follows:

**Section 1103.3.5 Building Cavities (Mandatory).** Building framing cavities shall not be used as supply ducts and plenums.

**Section N1103.6** is hereby amended to read as follows:

**Section 1103.6 Mechanical Ventilation (Mandatory).** (balance unchanged)

**Section N1104.1.2 (R402.4.1.2)** is hereby amended to read as follows:

**Section N1104.1.2 (R402.4.1.2) Testing.** "The building or dwelling unit shall be tested and verified as having an air leakage rate not exceeding five air changes per hour in Climate Zones 1 through 8. and ~~2, and three~~ ~~air changes per hour in Climate Zones 3 through 8.~~ (balance unchanged)

**Table N1105.5.2(1) [R405.5.2(1)]** is hereby amended to read as follows:

Specifications for the Standard Reference and Proposed Design		
Building Component	Standard Reference Design	Proposed Design
Air exchange rate	Air leakage rate of 5 air changes per hour in Climate Zones 1 and <del>2, and 3</del> <del>air changes per hour in Climate Zones 3</del> through 8 at a pressure of 0.2 inches w.g (50 Pa). Balance is unchanged.	For residences that are not tested, the same air leakage rate as the standard reference design. For tested residences, the measured air exchange rate <sup>a</sup> .  The mechanical ventilation rated shall be in addition to the air leakage rate and shall be as proposed.

**Section M1301.1.1** is hereby deleted in its entirety.

**Section M1401.5** is hereby deleted in its entirety.

**Section M1502.4.2** is hereby amended to read as follows:

**M1502.4.2 Duct Installation.** Exhaust ducts shall be supported at intervals not to exceed 124 feet and shall be secured in place. The insert end of the duct shall extend into the adjoining duct or fitting in the direction of airflow. Exhaust duct joints ~~shall be sealed in accordance with Section M1601.4.1 and shall may be mechanically fastened.~~ Ducts shall not be joined with screws or similar fasteners that protrude more than 1/8 inch (3.2 mm) into the inside of the duct.

**Section M1503.4** is hereby amended to read as follows:

**Section M1503.4 Makeup air required.** Exhaust hood systems capable of exhausting in excess of 400 cubic feet per minute (0.19m<sup>3</sup>/S) shall be mechanically or naturally provided with makeup air at a rate approximately equal to the exhaust air rate in excess of 400 cmf. Such makeup air systems shall be equipped with not less than one damper. Each damper shall be a gravity damper or an electrically operated damper that automatically opens when the exhaust system operates. Dampers shall be accessible for inspection, service, repair and replacement without removing permanent construction or any other ducts not connected to the damper being inspected, serviced, repaired or replaced.

**Section M1506.2** is renumbered to Section M1506.3 and is hereby amended to read as follows:

**M1506.3 Exhaust openings.** Air exhaust openings shall terminate not less than 3 feet (914 mm) from property lines; 3 feet (914 mm) from operable and non-operable openings into the building and 10 feet (3048 mm) from mechanical air intakes except where the opening is located 3 feet (914 mm) above the air intake. Openings shall comply with Sections R303.5.2 and R303.6.

**Section M1601.4.1, Exception 3** is hereby amended to read as follows:

**M1601.4.1, Exception 3** For ducts having a static pressure classification of less than 2 inches of water column (500 Pa), additional closure systems shall not be required for continuously welded joints and seams and locking-type joints and seams ~~of other than the snap-lock and button-lock types.~~

**Section M1601.4.10** is hereby deleted in its entirety.

**Section M1701.2** is hereby deleted in its entirety.

**Section M1801.1** is hereby amended to read as follows:

**M1801.1 Venting required.** Fuel-burning appliances shall be vented to the outside in accordance with their listing and label and manufacturer's installation instructions ~~except appliances listed and labeled for unvented use.~~ Venting systems shall consist of approved chimneys or vents, or venting assemblies that are integral parts of labeled appliances. Gas-fired appliances shall be vented in accordance with Chapter 24.

**Section M2001.4** is hereby deleted in its entirety.

**Section M2005.1** is hereby amended to read in part:

**M2005.1 General.** Water heaters shall be installed in accordance with ~~Chapter 28~~ the North Dakota State Plumbing Code, the manufacturer's instructions and the requirements of this code. \*\*\*

**Section M2101.3** is hereby amended to read as follows:

**M2101.3 Protection of potable water.** The potable water system shall be protected from backflow in accordance with the provisions listed in ~~Section P2902~~ the North Dakota State Plumbing Code.

**Section M2101.10** is hereby amended to read as follows:

**M2101.10 Tests.** New Hydronic piping shall be isolated and tested hydrostatically at a pressure of ~~one and one-half times the maximum system design pressure,~~ but not less than 100-pounds per square inch (psi) (689 kPa). The duration of each test shall be not less than 15 minutes and not more than 20 minutes.

**Section M2103.3 paragraph 2** is hereby amended to read as follows:

2. Copper tubing shall be joined by brazing complying with Section P3003.6.4 the North Dakota State Plumbing Code.

**Section M2201.6** is hereby deleted in its entirety.

**Section G2404.7** is hereby deleted in its entirety.

**Section G2406.2 (303.3)** is hereby amended to read as follows:

**G2406.2 (303.3) Prohibited locations.** *Appliances* shall not be located in sleeping rooms, bathrooms, toilet rooms, storage closets or surgical rooms, or in a space that opens only into such rooms or spaces, except where the installation complies with one of the following:

1. The *appliance* is a direct-vent *appliance* installed in accordance with the conditions of the listing and the manufacturer's instructions.
2. Vented room heaters, wall furnaces, vented decorative appliances, vented gas fireplaces, vented gas fireplace heaters and decorative appliances for installation in vented solid fuel-burning fireplaces are installed in rooms that meet the required volume criteria of Section G2407.5
3. ~~A single wall-mounted unvented room heater is installed in a bathroom and such unvented room heater is equipped as specified in Section G2445.6 and has an input rating not greater than 6,000 Btu/h (1.76 kW). The bathroom shall meet the required volume criteria of Section G2407.5.~~
4. ~~A single wall-mounted unvented room heater is installed in a bedroom and such unvented room heater is equipped as~~

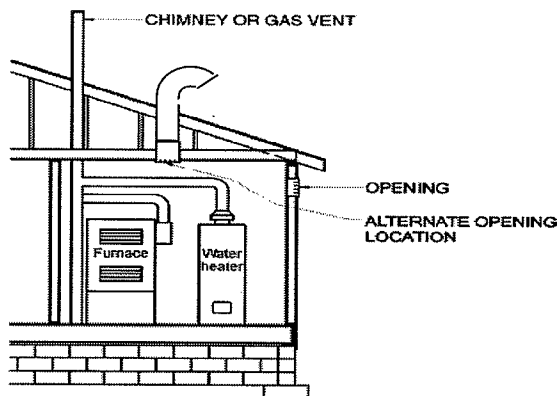
~~specified in Section G2445.6 and has an input rating not greater than 10,000 Btu/h (2.93 kW). The bedroom shall meet the required volume criteria of Section G2407.5.~~

5. 3. The *appliance* is installed in a room or space that opens only into a bedroom or bathroom, and such room or space is used for no other purpose and is provided with a solid weather-stripped door equipped with an *approved* self-closing device. All *combustion air* shall be taken directly from the outdoors in accordance with Section G2407.6.

Figure G2407.6.1(1) is hereby deleted in its entirety.

Figure G2407.6.1(2) is hereby deleted in its entirety.

Figure G2407.6.2 is hereby amended as follows:



Section G2407.11 (304.11) is hereby amended to read as follows:

**Section G2407.11 (304.11) Combustion air ducts.** Combustion air ducts shall comply with all the following:

\*\*\*

5. Ducts shall not ~~be screened where terminating~~ terminate in an attic space.

\*\*\*

**Section G2413.5** is hereby amended to read as follows:

**G2413.5 (402.5) Allowable pressure drop.** The design pressure loss in any piping system under maximum probable flow conditions, from the point of delivery to the inlet connection of the appliance, shall be such that the supply pressure at the appliance is greater than or equal to the minimum pressure required by the appliance but such pressure loss shall not be greater than .5 inch water column for gas pipe systems operating at less than 2 psi.

**Section G2417.4.1** is hereby amended to read as follows:

**G2417.4.1 (406.4.3) Test pressure.** The test pressure to be used shall not be less than one and one half times the proposed maximum working pressure, but not less than ~~3~~ 25 psig (~~20 kPa gauge~~), irrespective of design pressure. Where the test pressure exceeds 125 psig (~~862 kPa gauge~~), the test pressure shall not exceed a value that produces a hoop stress in the piping greater than 50 percent of the specified minimum yield strength of the pipe.

**Section G2425.8** is hereby amended to read as follows:

**G2425.8 (501.8) Appliances not required to be vented.** The following *appliances* shall not be required to be vented:

\*\*\*

~~7. Room heaters listed for unvented use.~~

Where the *appliances* listed in Items 5 ~~through 7~~ and 6 above are installed so that the aggregate input rating exceeds 20 *Btu* per hour per *cubic foot* (207 W/m<sup>3</sup>) of volume of the room or space in which such *appliances* are installed, one or more shall be provided with venting *systems* or other *approved* means for conveying the *vent* gases to the outdoor atmosphere so that the aggregate input rating of the remaining *unvented appliances* does not exceed 20 *Btu* per hour per *cubic foot* (207 W/m<sup>3</sup>). \*\*\*

**G2425.12 (501.12)** is hereby amended to read as follows:

**Section G2425.12 (501.12) Residential and low-heat appliances flue lining systems.** Flue lining systems for use with residential-type and low-heat appliances shall be limited to the following:

1. Clay flue lining complying with the requirements of ASTM C 315 or equivalent when each appliance connected into the masonry chimney has a minimum input rating greater than 400,000 Btu/h. Clay flue lining shall be installed in accordance with Chapter 10.
2. Listed chimney liner systems complying with UL 1777.
3. Other approved materials that will resist, without cracking, softening, or corrosion, flue gases and condensate at temperatures up to 1800°F (982°C).
  - a. Aluminum (1100 or 3003 alloy or equivalent) not less than 0.032 inches thick up to 8 inches in diameter.
  - b. Stainless steel (304 or 430 alloy or equivalent) not less than 26 gauge (0.018 inches thick) to 8 inches in diameter or not less than 24 gauge (0.024 inches thick) 8 inches in diameter and larger.

When a metal liner is used other than a listed chimney liner a condensation drip tee shall be installed and supported in an approved manner.

**Section G2427.5.2 (503.5.3)** is hereby amended to read as follows:

**G2427.5.2 (503.5.3) Masonry chimneys.** Masonry *chimneys* shall be built and installed in accordance with NFPA211 and shall be lined ~~with approved clay flue lining, a listed chimney lining system or other approved material that will resist corrosion, erosion, softening or cracking from vent gases at temperatures up to 1,800°F (982°C)~~ as per G2425.12.

**Section G2439.7.2 (614.8.2)** is hereby amended to read as follows:

**G2439.7.2 (614.8.2) Duct Installation.** Exhaust ducts shall be supported at 4-foot (1219 mm) intervals and secured in place. The insert end of the duct shall extend into the adjoining duct or fitting in the direction of airflow. Ducts shall not be joined with screws, ~~or similar fasteners that protrude more than 1/8 inch (3.2 mm) into the inside of the duct.~~

**Section G2442.5** is hereby amended to read as follows:

**G2442.5 (618.5) Screen.** Required outdoor air inlets shall be covered with a screen having ¼ inch (6.4 mm) openings. Required outdoor air inlets serving a nonresidential portion of a building shall be covered with screen having openings larger than ¼ inch (6.4 mm) and not larger than ½ inch (25 mm).

**Section G2445** is hereby deleted in its entirety.

**Chapters 25 through 43** are hereby deleted in their entirety.

## 2015 IMC Amendments

**Section 101.1** is hereby amended to read as follows:

**101.1 Title.** These regulations shall be known as the *Mechanical Code* of the City of Fargo hereinafter referred to as “this code.”

**Sections 103.1** is hereby amended to read as follows:

**103.1 General.** The department of mechanical inspections is hereby created and the executive official in charge thereof shall be known as the code official.

**Section 103.4** is hereby amended to read as follows:

**103.4 Liability.** The code official, member of the board of appeals or employee charged with the enforcement of this code, while acting for the jurisdiction in good faith and without malice in the discharge of the duties required by this code or other pertinent law or ordinance, shall not thereby be rendered liable personally, and is hereby relieved from personal liability for any damage accruing to persons or property as a result of an act or by reason of an act or omission in the discharge of official duties.

Any suit instituted against any officer or employee because of an act performed by that officer or employee in the lawful discharge of duties and under the provisions of this code shall be defended by the legal representative of the jurisdiction until the final termination of the proceedings. The code official or any subordinate shall not be liable for costs in an action, suit or proceeding that is instituted in pursuance of the provisions of this code.

This code shall not be construed to relieve from or lessen the responsibility of any person owning, operating, or controlling any building or structure for any damages to persons or property caused by defects, nor shall the code enforcement agency or the city be held as assuming any such liability by reason of the inspection authorized by this code or any permits or certificates issued under this code.

**Section 106.4.8** is hereby deleted in its entirety.

**Section 106.5.2** is amended to read as follows:

**106.5.2 Fee schedule.** The fees for mechanical work shall be as indicated in the following schedule as established by the Fargo Board of City Commissioners.

**Section 106.5.3** is hereby amended as follows:

**106.5.3 Fee refunds.** The code official shall authorize the refunding of fees as follows.

1. The full amount of any fee paid hereunder which was erroneously paid or collected.
2. Not more than [80] percent of the permit fee paid when no work has been done under a permit issued in accordance with this code.
3. Not more than [80] percent of the plan review fee paid when an application for a permit for which a plan review fee has been paid is withdrawn or canceled before any plan review effort has been expended.

The code official shall not authorize the refunding of any fee paid, except upon written application filed by the original permittee not later than 180 days after the date of fee payment.

**Section 201.3** is hereby amended to read as follows:

**201.3 Terms defined in other codes.** Where terms are not defined in this code and are defined in the *International Building Code*, *International Fire Code*, *International Fuel Gas Code*, *ICC National Electrical Code* and *North Dakota State Wiring Standards* or the *International North Dakota State Plumbing Code*, such terms shall have meanings ascribed to them as in those codes.

**Section 305.4** is hereby amended to read as follows:

**305.4 Interval of support.** Piping shall be supported at distances not exceeding the spacing specified in Table 305.4, or in accordance with MSS SP-69. In addition to the requirements of Table 305.4, piping and tubing shall be supported within 2 feet (610 mm) of every bend or angle.

**Section 307.2.2** is hereby amended to read as follows:

**307.2.2 Drain pipe materials and sizes.** Components of the condensate disposal system shall be cast iron, galvanized steel, copper, cross-linked polyethylene, polybutylene, polyethylene, ABS, CPVC or PVC pipe or tubing. All components shall be selected for the pressure and temperature rating of the installation. Joints and connections shall be made in accordance with the applicable provisions of ~~Chapter 7 of the International~~ the North Dakota State Plumbing Code relative to the material type. Condensate waste and drain line size shall be not less than 3/4-inch (19 mm) internal diameter and shall not decrease in size from the drain pan connection to the place of condensate disposal. Where the drain pipes from more than one unit are manifolded together for condensate drainage, the pipe or tubing shall be sized in accordance with Table 307.2.2.

**Section 401.2** is hereby amended to read as follows:

**401.2 Ventilation required.** Every occupied space shall be ventilated by natural means in accordance with Section 402 or by mechanical ventilation in accordance with Section 403. ~~Where the air infiltration rate in a dwelling unit is less than 5 air changes per hour when tested with a blower door at a pressure 0.2-inch water column (50 Pa) in accordance with Section 402.4.1.2 of the International Energy Conservation Code, the dwelling unit shall be ventilated by mechanical means in accordance with Section 403.~~

**Section 403.1** is hereby amended to read as follows:

**403.1 Ventilation system.** Mechanical ventilation shall be provided by a method of supply air and return or *exhaust air* ~~except that mechanical ventilation air requirements for Group R-2, R-3 and R-4 occupancies three stories and less in height above grade plane shall be provided by an exhaust system, supply system or combination thereof.~~ The amount of supply air shall be approximately equal to the amount of return and *exhaust air*. The system shall not be prohibited from producing negative or positive pressure. The system to convey *ventilation air* shall be designed and installed in accordance with Chapter 6.

**Section 504.8.2** is hereby amended to read as follows:

**504.8.2 Duct installation.** Exhaust ducts shall be supported at 4-foot (1219 mm) intervals and secured in place. The insert end of the duct shall extend into the adjoining duct or fitting in the direction of airflow. Ducts shall not be joined with screws, ~~or similar fasteners that protrude more than 1/8 inch (3.2mm) into the inside of the duct.~~

**Section 505.2** is hereby amended to read as follows:

**505.2 Makeup air required.** Exhaust hood systems capable off exhausting in excess of 400 cfm (0.19m<sup>3</sup>/s) shall be provided with makeup air at a rate in excess of 400 cfm. ~~approximately equal to the exhaust air rate.~~ Such makeup air systems shall be equipped with a means of closure and shall be automatically controlled to start and operate simultaneously with the exhaust system.

**Section 508.2** is hereby amended to read as follows:

**508.2 Compensating hoods.** Manufacturers of compensating hoods shall provide a label indicating minimum exhaust flow and/or maximum makeup airflow that provides capture and containment of the exhaust effluent. Short circuit compensating hoods are prohibited.

**Section 508.2.1** is hereby added to read as follows:

**508.2.1 Compensating Hood Make-up Air.** Compensating hoods shall extract at least 40% of the required exhaust air flow from the kitchen area.

**Section 701.2** is hereby added to read as follows:

**701.2 Attic space.** Attic space shall not be used for combustion air.

**Section 908.5** is hereby amended to read as follows:

**908.5 Water supply.** Cooling towers, evaporative coolers and fluid coolers shall be provided with an approved water supply, sized for peak demand. The quality of water shall be provided in accordance with the equipment manufacturer's recommendations. The piping system and protection of the potable water supply system shall be installed as required by the *International North Dakota State Plumbing Code*.

**Section 1007.2** is hereby deleted in its entirety.

**Section 1008.2** is hereby amended to read as follows:

**1008.2 Discharge.** Blowoff valves shall discharge to a safe place of disposal. Where discharging to the drainage system, the installation shall conform to the *International North Dakota State Plumbing Code*.

**Section 1104.2** is hereby amended to add the following:

**1104.2 Machinery Rooms. \*\*\***

**Exceptions:**

\*\*\*

3. If an existing refrigerating system is replaced or if an existing refrigeration plant is increased by not more than 50% of its original capacity, but not more than 100 tons per system using a non-flammable class A1 or B1 refrigerant and the refrigeration machinery room was not provided in the original installation prior to 1994, a refrigeration machinery room shall not be required. If the existing refrigeration is not located in general machinery room separated from occupied spaces, a refrigeration machinery room shall be provided. The space containing the refrigeration machinery shall meet the requirement of Section 1104.3.4, protection room refrigerant decomposition., and Section 1105.3. requiring refrigerant detection. If the requirements of 1104.3.4 and 1105.3 cannot be met, a refrigeration machinery room shall be provided.

## 2015 IFGC Amendments

**Section 101.1** is hereby amended to read as follows:

**101.1 Title.** These regulations shall be known as the *Fuel Gas Code* of [NAME OF JURISDICTION] the city of Fargo hereinafter referred to as “this code.”

**Section 103.4** is amended to read as follows:

**103.4 Liability.** The code official, member of the board of appeals or employee charged with the enforcement of this code, while acting for the jurisdiction in good faith and without malice in the discharge of the duties required by this code or other pertinent law or ordinance, shall not thereby be rendered liable personally, and is hereby relieved from all personal liability for any damage accruing to persons or property as a result of an act or by reason of an act or omission in the discharge of official duties.

Any suit instituted against any officer or employee because of an act performed by that officer or employee in the lawful discharge of duties and under the provisions of this code shall be defended by the legal representative of the jurisdiction until the final termination of the proceedings. The code official or any subordinate shall not be liable for costs in an action, suit or proceeding that is instituted in pursuance of the provisions of this code.

This code shall not be construed to relieve from or lessen the responsibility of any person owning, operating, or controlling any building or structure for any damages to persons or property caused by defects, nor shall the code enforcement agency or the city be held as assuming any such liability by reason of the inspection authorized by this code or any permits or certificates issued under this code.

**Section 106.6.2** is hereby amended as follows:

**106.6.2 Fee schedule.** The fees for mechanical work shall be as indicated in the following schedule as established by the Fargo Board of City Commissioners.

**Section 106.6.3** is hereby amended as follows:

**106.6.3 Fee refunds.** The code official shall authorize the refunding of fees as follows.

1. The full amount of any fee paid hereunder which was erroneously paid or collected.
2. Not more than [80] percent of the permit fee paid when no work has been done under a permit issued in accordance with this code.
3. Not more than [80] percent of the plan review fee paid when an application for a permit for which a plan review fee has been paid is withdrawn or canceled before any plan review effort has been expended.

The code official shall not authorize the refunding of any fee paid, except upon written application filed by the original permittee not later than 180 days after the date of fee payment.

**Section 303.3** is hereby amended to read as follows:

**303.3 Prohibited locations.** Appliances shall not be located in sleeping rooms, bathrooms, toilet rooms, storage closets or surgical rooms, or in a space that opens only into such rooms or spaces, except where the installation complies with one of the following:

1. The *appliance* is a direct-vent *appliance* installed in accordance with the conditions of the listing and the manufacturer's instructions.
2. Vented room heaters, wall furnaces, vented decorative appliances, vented gas fireplaces, vented gas fireplace heaters and decorative appliances for installation in vented solid fuel-burning fireplaces are installed in rooms that meet the required volume criteria of Section 304.5
3. ~~A single wall-mounted unvented room heater is installed in a bathroom and such unvented room heater is equipped as specified in Section 621.6 and has an input rating not greater than 6,000 Btu/h (1.76 kW). The bathroom shall meet the required volume criteria of Section 304.5.~~
4. ~~A single wall-mounted unvented room heater is installed in a bedroom and such unvented room heater is equipped as specified in Section 621.6 and has an input rating not greater than 10,000 Btu/h (2.93 kW). The bedroom shall meet the required volume criteria of Section 304.5.~~
5. The *appliance* is installed in a room or space that opens only into a bedroom or bathroom, and such room or space is used for no other purpose and is provided with a solid weather-stripped door equipped with an *approved* self-closing device. All *combustion air* shall be taken directly from the outdoors in accordance with Section 304.6.

Section 304.6.1 is hereby amended to read as follows:

**304.6.1 Two-permanent-openings method.**

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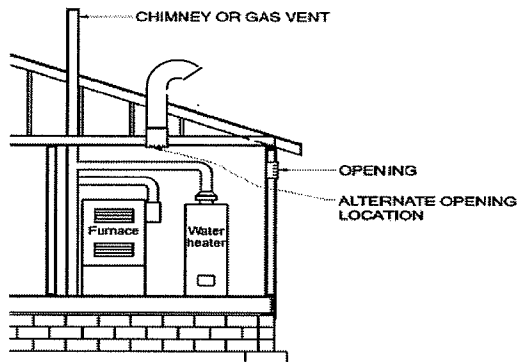
Where directly communicating with the outdoors, or where communicating with the outdoors through vertical ducts, each opening shall have a minimum free area of 1 square inch per 4,000 Btu/h (550 mm<sup>2</sup>/kW) of total input rating of all appliances in the enclosure [~~see Figures 304.6.1(1) and 304.6.1(2)~~].

\*\*\*

Figure 304.6.1 (1) is hereby deleted in its entirety.

Figure 304.6.1 (2) is hereby deleted in its entirety.

Figure 304.6.2 is hereby amended as shown below:



Section 304.6.2 is hereby amended to read as follows:

**304.6.2 One-permanent-opening method.** One permanent opening, commencing within 12 inches (305 mm) of the top of the enclosure, shall be provided. The *appliance* shall have clearances of at least 1 inch (25 mm) from the sides and back and 6 inches (152 mm) from the front of the *appliance*. The opening shall directly communicate with the outdoors or through a vertical or horizontal duct to the outdoors, ~~or spaces that freely communicate with the outdoors (see Figure 304.6.2)~~ and shall have a minimum free area of 1 square inch per 3,000 Btu/h (734mm<sup>2</sup>/kW) of the total input rating of all appliances located in the enclosure and not less than the sum of the areas of all vent connectors in the space.

**Section 304.11** is hereby amended to read as follows

**304.11 Combustion air ducts.** Combustion air ducts shall comply with all of the following:

\*\*\*

5. Ducts shall not be screened where terminating terminate in an attic space.

\*\*\*

**Section 403.3** is hereby amended to read as follows:

**403.3 Other materials.** Material not covered by the standards specifications listed herein shall be investigated and tested to determine that it is safe and suitable for the proposed service, and, in addition, shall be recommended for that service by the manufacturer and shall be *approved* by the code official. Listed LPG hose may be used with natural gas when used for temporary heating at a maximum length of 50 feet.

**Section 403.10.1.1** is hereby added to read as follows:

**403.10.1.1** Gas supply systems with pressures 5 psig or greater and gas pipe joints 2 ½ inches or larger, regardless of pressure, shall be welded.

**Section 403.10.4** is hereby amended to read as follows:

**403.10.4 Metallic fittings.** Metallic fittings shall comply with the following;

1. Threaded fittings in sizes ~~larger than 4 inches (102 mm)~~ 2 ½ inches or larger shall not be used except where *approved*.

\*\*\*

**Section 406.4** is hereby amended to read as follows:

**406.4 Test pressure measurement.** Test pressure shall be measured with a manometer or with a pressure-measuring device designed and calibrated to read, record, or indicate a pressure loss caused by leakage during the pressure test period. The source of pressure shall be isolated before the pressure tests are made. ~~Mechanical gauges used to measure test pressures shall have a range such that the highest end of the scale is not greater than five times the test pressure.~~ Dial gauges used to measure test pressures shall be performed with gauges of 2 psi incrimination or less and have a range not exceeding 100 psi unless otherwise approved.

**Section 406.4.1** is hereby amended to read as follows:

**406.4.1 Test pressure.** The test pressure to be used shall be no less than 1 1/2 times the proposed maximum working pressure, but not less than ~~3 psig (20 kPa gauge)~~, 25 psig irrespective of design pressure. Where the test pressure exceeds 125 psig (862 kPa gauge), the test pressure shall not exceed a value that produces a hoop stress in the piping greater than 50 percent of the specified minimum yield strength of the pipe.

**Section 408.2** is hereby amended to read as follows:

**408.2 Drips.** Where wet gas exists, a drip shall be provided at any point in the line of pipe where condensate could collect. ~~A drip shall also be provided at the outlet of the meter and shall be installed so as to constitute a trap wherein an accumulation of condensate will shut off the flow of gas before the condensate will run back into the meter.~~

**Section 411.2** is hereby amended to read as follows:

**411.2 Manufactured home connections.** Manufactured homes shall be connected to the distribution *piping* system by ~~one of the following materials:~~

- ~~1. — Metallic pipe in accordance with Section 403.4.~~
- ~~2. — Metallic tubing in accordance with Section 403.5.~~
3. — Listed and labeled connectors in compliance with ANSI Z21.75/CSA 6.27 and installed in accordance with the manufacturer's installation instructions.

**Section 415.1** is hereby amended to add the following:

**415.1 Interval of support.** *Piping* shall be supported at intervals not exceeding the spacing specified in Table 415.1. Spacing of supports for CSST shall be in accordance with the CSST manufacturer's instructions. In addition to the requirements of Table 415.1, piping and tubing shall be supported within 2 feet of every bend or angle.

**Section 501.8** is hereby amended to read as follows:

**501.8 Appliances not required to be vented.** The following appliances shall not be required to be vented:

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- ~~8. Room heaters listed for unvented use.~~
9. 8. Direct-fired makeup air heaters.
- ~~10.9.~~ Other appliances *listed* for unvented use and not provided with flue collars.
- ~~11.10.~~ Specialized appliances of limited input such as laboratory burners and gas lights.

**Section 501.12** is hereby amended to read as follows:

**501.12 Residential and low-heat appliances flue lining systems.** Flue lining systems for use with residential-type and low-heat appliances shall be limited to the following:

1. Clay flue lining complying with the requirements of ASTM C 315 or equivalent when each appliance connected into the masonry chimney has a minimum input rating greater than 400,000 Btu/h. Clay flue lining shall be installed in accordance with the *International Building Code*.
2. *Listed* chimney lining systems complying with UL1777.
3. Other *approved* materials that will resist, without cracking, softening or corrosion, flue gases and condensate at temperatures up to 1,800°F (982°C).
  - a. Aluminum (1100 or 3003 alloy or equivalent) not less than 0.032 inches thick to 8 inches diameter.
  - b. Stainless steel (304 or 430 alloy or equivalent) not less than 26 gauge (0.018 inches thick) to 8 inches diameter or not less than 24 gauge (0.024 inches thick) 8 inches diameter and larger.

When a metal liner is used other than a listed chimney liner a condensation drip tee shall be installed and supported in an approved manner.

**Section 503.5.3** is hereby amended to read as follows:

**503.5.3 Masonry chimneys.** Masonry chimneys shall be built and installed in accordance with NFPA 211 and shall be lined ~~with approved clay flue lining, a listed chimney lining system or other approved material that will resist corrosion, erosion, softening or cracking from vent gases at temperatures up to 1,800°F (982°C).~~ as per sec. 501.12. \*\*\*

**Section 503.5.6.1** is hereby amended to read as follows:

**503.5.6.1 Chimney lining.** Chimneys shall be lined in accordance with NFPA 211 and Section 501.12.

**Exception:** Where an existing chimney complies with Sections 503.5.6 through 503.5.6.3 and its sizing is in accordance with Section 503.5.5, its continued use shall be allowed ~~where the appliance vented by such chimney is replaced by an appliance of similar type, input rating and efficiency. when, in more than one appliance venting system the secondary appliance, such as a water heater, is replaced and the primary heating appliance remains.~~

**Section 614.8.2** is hereby amended to read as follows:

**Section 614.8.2 Duct installation.** Exhaust ducts shall be supported at 4-foot (1219 mm) intervals and secured in place. The insert end of the duct shall extend into the adjoining duct or fitting in the direction of airflow. ~~Ducts shall not be joined with screws or similar fasteners that protrude more than 1/8 inch (3.2 mm) into the inside of the duct.~~

**Section 621** is hereby deleted in its entirety.

## 2015 IECC AMENDMENTS

**Table R402.1.2** is hereby amended to read as follows:

Insulation and Fenestration Requirements By Component				
Climate Zone	###	Wood Frame Wall R-Value	###	Basement <sup>c</sup> Wall R-Value
6	###	<u>20 or 13+5h,i</u> <u>20 + 5 or</u> <u>13 + 10h,i</u>	###	<u>15/19</u> <u>10/13</u>
7 and 8	###	<u>20 or 13 + 5h,i</u> <u>20 + 5 or</u> <u>13 + 10h,i</u>	###	<u>15/19</u> <u>10/13</u>

(Balance of Table remains the same.)

**Table R402.1.4** is hereby amended to read as follows:

Equivalent U-Factors				
Climate Zone	###	Frame Wall U-Factor	###	Basement Wall U-Factor
6	###	<u>0.048 0.057</u>	###	<u>0.050 0.059</u>
7 and 8	###	<u>0.048 0.057</u>	###	<u>0.050 0.059</u>

(Balance of Table remains the same.)

**Section R402.4** is hereby amended to read as follows:

**R402.4 Air leakage (Mandatory).** The building thermal envelope shall be constructed to limit air leakage in accordance with the requirements of Section R402.4.1 through R402.4.4. Exception: Dwelling units of R-2 Occupancies and multiple single family dwellings shall be permitted to comply with IECC Section C402.5.U.

**Section R402.4.1.3** is hereby adopted to read as follows:

**R402.4.1.3 Visual Inspection Option.** Building envelope tightness and insulation shall be considered acceptable when installed in accordance with Table R402.4.1.1 - "Air Barrier and Insulation" and has been field verified.

**Section R403.3.2, Exception 2** is hereby amended to read as follows:

**R403.3.2, Exception 2** For ducts having a static pressure classification of less than 2 inches of water column (500 Pa), additional closure systems shall not be required for continuously welded joints and seams, and locking-type joints and seams, ~~of other than the snap-lock and button-lock types.~~

**Section R403.3.5** is hereby amended to read as follows:

**R403.3.5 Building Cavities (Mandatory).** Building framing cavities shall not be used as supply ducts and plenums.

**Section R403.6** is hereby amended to read as follows:

**R403.6 Mechanical Ventilation (Mandatory).** (balance unchanged)

**Section R402.4.1.2** is hereby amended to read as follows:

**R402.4.1.2 Testing.** "The building or dwelling unit shall be tested and verified as having an air leakage rate not exceeding five air changes per hour in Climate Zones 1 through 8. and 2, ~~and three air changes per hour in Climate Zones 3 through 8.~~ (balance unchanged)

**Table R405.5.2(1)** is hereby amended to read as follows:

Specifications for the Standard Reference and Proposed Design		
Building Component	Standard Reference Design	Proposed Design
Air exchange rate	Air leakage rate of 5 air changes per hour in Climate Zones 1 and 2, <del>and 3 air changes per hour in Climate Zones 3 through 8</del> at a pressure of 0.2 inches w.g (50 Pa). Balance is unchanged.	For residences that are not tested, the same air leakage rate as the standard reference design. For tested residences, the measured air exchange rate <sup>a</sup> .  The mechanical ventilation rated shall be in addition to the air leakage rate and shall be as proposed.

## 2015 IPMC AMENDMENTS

**Section 101.1** is hereby amended to read as follows:

**101.1 Title.** These regulations shall be known as the Property Maintenance Code of ~~[NAME OF JURISDICTION]~~ the City of Fargo, hereinafter referred to as "this code".

**Section 102.3** is hereby amended to read as follows:

**102.3 Application of other codes.** Repairs, additions or alterations to a structure, or changes of occupancy, shall be done in accordance with the procedures and provisions of ~~the International Building Code, International Fuel Gas Code, International Mechanical Code and NFPA 70~~ all applicable ordinances adopted by the City of Fargo. ~~Nothing in this code shall be construed to cancel, modify or set aside any provision of the International Zoning Code.~~

**Section 103.5** is hereby amended to read as follows:

**103.5 Fees.** The fees for activities and services performed by the department in carrying out its responsibilities under this code shall be as indicated in the following schedule:

A. Initial Inspection. - No charge

B. First Re-inspection. - No charge

C. Second Re-inspection. - As to the second re-inspection a fee of \$100

D. Third Re-inspection. - As to the third re-inspection, a fee of \$100

E. Fourth and continuing Re-inspections. - As to the fourth and any subsequent re-inspection, a fee of \$100

**Section 111.2** first sentence is hereby amended to read as follows:

**111.2 Membership of board.** The board of appeals shall consist of ~~a minimum of three~~ five members who are qualified by experience and training to pass on matters pertaining to property maintenance and who are not employees of the jurisdiction.

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**Section 111.2.1** first sentence is hereby amended to read as follows:

**111.2.1 Alternate members.** ~~The chief appointing authority~~ Board of City Commissioners shall appoint ~~two~~ one or more alternate members who shall be called by the board chairman to hear appeals during the absence or disqualification of a member.

\*\*\*

**Section 111.6** is hereby amended to read as follows:

**111.6 Board decision.** The board shall modify or reverse the decision of the code official only by a concurring vote of a majority of the total four appointed board members.

\*\*\*

**Section 112.4** is hereby amended to read as follows:

**112.4 Failure to comply.** Any person who shall continue any work after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be ~~liable to a fine of not less than [AMOUNT] dollars or more than [AMOUNT] dollars~~ subject to penalties prescribed by law.

**Section 201.3** is hereby amended to read as follows:

**201.3 Terms defined in other codes.** Where terms are not defined in this code and are defined in the International Building Code, International Fire Code, International Zoning Code, International Plumbing Code, International Mechanical Code or NFPA 70, such terms shall have the meanings ascribed to them as stated in those codes.

Throughout this code, wherever reference is made to the International Plumbing Code, it shall be taken to mean the North Dakota State Plumbing Code.  
Throughout this code, wherever reference is made to the NFPA 70, it shall be taken to mean the National Electrical Code together with the North Dakota State Wiring Standards.

**Section 302.4** is hereby amended to read as follows:

**302.4 Weeds.** All *premises* and *exterior property* shall be maintained free from weeds or plant growth ~~in excess of (jurisdiction to insert height in inches)~~ as determined by the Fargo Health Department. Noxious weeds shall be prohibited. Weeds shall be defined as all grasses, annual plants and vegetation, other than trees or shrubs provided; however, this term shall not include cultivated flowers and gardens. Upon failure of the *owner* or agent having charge of a property to cut and destroy weeds after service of a notice of violation, they shall be subject to prosecution in accordance with Section 106.3 and as prescribed by the authority having jurisdiction. Upon failure to comply with the notice of violation, any duly authorized employee of the jurisdiction or contractor hired by the jurisdiction shall be authorized to enter upon the property in violation and cut and destroy the weeds growing thereon, and the costs of such removal shall be paid by the *owner* or agent responsible for the property.

**Section 304.14** is hereby amended to read as follows:

**304.14 Insect screens.** During the period from [DATE] April 1 to [DATE] October 31 every door, window and other outside opening required for *ventilation* of habitable rooms, food preparation areas, food service areas or any areas where products to be included or utilized in food for human consumption are processed, manufactured, packaged or stored shall be supplied with *approved* tightly fitting screens of not less than 16 mesh per inch (16 mesh per 25 mm), and every screen door used for insect control shall have a self-closing device in good working condition.

**Exception:** Screens shall not be required where other *approved* means, such as air curtains or insect repellent fans, are employed.

**Section 602.3** is hereby amended to read as follows:

**602.3 Heat supply.** Every owner and operator of any building who rents, leases or lets one or more dwelling unit, rooming unit, dormitory or guestroom on terms, either expressed or implied, to furnish heat to the occupants thereof shall supply heat during the period from (date) September 15<sup>th</sup> to (date) June 1<sup>st</sup> to maintain a temperature of not less than 68°F (20°C) in all habitable rooms, bathrooms and toilet rooms.

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**Section 602.4** is hereby amended to read as follows:

**602.4 Occupiable work spaces.** Indoor occupiable work spaces shall be supplied with heat during the period from [DATE] September 15<sup>th</sup> to [DATE] June 1<sup>st</sup> to maintain a minimum temperature of 65°F (18°C) during the period the spaces are occupied.

**Section 603.2** The exception is hereby deleted.

## **2015 IEBC AMENDMENTS**

**Section 101.1** is hereby amended to read as follows:

**101.1 Title.** These regulations shall be known as the *Existing Building Code* of the ~~[NAME-OF JURISDICTION]~~ City of Fargo hereinafter referred to as "this code."

**Section 101.2, Exception** is hereby adopted to read as follows:

**101.2 Scope.** The provisions of the *International Existing Building Code* shall apply to the *repair, alteration, change of occupancy, addition to and relocation of existing buildings*.

- 1. Exceptions:** 1. Existing buildings may use Chapter 34 of the IBC 2012 as an alternative to using the IEBC 2015.

**Section 104.2.2.1** is hereby amended to read as follows:

**104.2.2.1 Building evaluation.** The *code official* is authorized to require an *existing building* to be investigated and evaluated at the owner's expense by a registered design professional based on the circumstances agreed upon at the preliminary meeting. The design professional shall notify the *code official* if any potential nonconformance with the provisions of this code is identified.

**Section 104.8** is hereby amended to read as follows:

**104.8 Liability.** The code official, member of the Board of Appeals, or employee charged with the enforcement of this code, while acting for the jurisdiction in good faith and without malice in the discharge of the duties required by this code or other pertinent law or ordinance, shall not thereby be rendered liable personally and is hereby relieved from personal liability for any damage accruing to persons or property as a result of any act or by reason of an act or omission in the discharge of official duties. Any suit instituted against an officer or employee because of an act performed by that officer or employee in the lawful discharge of duties and under the provisions of this code shall be defended by legal representative of the jurisdiction until the final termination of the proceedings. The code official or any subordinate shall not be liable for cost in any action, suit, or proceeding that is instituted in pursuance of the provisions of this code.

This code shall not be construed to relieve from or lessen the responsibility of any person owning, operating, or controlling any building or structure for any damages to persons or property caused by defects, nor shall the code enforcement agency or the city be held as assuming any such liability by reason of the inspection authorized by this code or any permits or certificates issued under this code.

**Section 104.10.1** is deleted in its entirety.

**Section 105.2** is hereby amended to read as follows:

**Section 105.2--Work exempt from permit.** Exemptions from 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 ordinances of this jurisdiction. Permits shall not be required for the following:

Building:

\*\*\*

7. Reroofing.

**Section 201.3** is hereby amended to read as follows:

**201.3 Terms defined in other codes.** Where terms are not defined in this code and are defined in the other *International Codes*, such terms shall have the meanings ascribed to them in those codes.

Wherever the term "International Plumbing Code" and/or the "International Private Sewage Disposal Code" is used it shall mean the North Dakota State Plumbing Code. Wherever the term "ICC Electrical Code" is used it shall mean the National Electric Code together with the North Dakota State Wiring Standards. Wherever the term "Flood Hazard Area" is used, it shall mean the Fargo Flood Plain Management ordinance together with the Flood Proofing Code of the city of Fargo, North Dakota.

**Section 601.3** is hereby deleted in its entirety.

**Section 1103.5** is hereby deleted in its entirety.

**Section 1201.4** is hereby deleted in its entirety.

**Section 1301.2** is hereby amended to read as follows:

**1301.2 Conformance.** Buildings to be moved within this jurisdiction shall comply with provisions of this Chapter. Buildings to be moved into this jurisdiction shall comply with the provisions of the International Codes for new buildings and shall be certified as to that compliance by an agency approved by the code official. The building shall be safe for human occupancy as determined by the International Fire Code and the International Property Maintenance Code. Any repair, alteration, or change of occupancy undertaken within the moved structure shall comply with the requirements of this code applicable to the work being performed. Any field-fabricated elements shall comply with the requirements of the International Building Code or the International Residential Code as applicable.

**Section 1401.2** is hereby amended to read as follows:

**1401.2 Applicability.** Structures existing prior to [DATE TO BE INSERTED BY THE JURISDICTION. NOTE: IT IS RECOMMENDED THAT THIS DATE COINCIDE WITH THE EFFECTIVE DATE OF BUILDING CODES WITHIN THE JURISDICTION] 1952, in which there is work involving additions, alterations or changes of occupancy shall be made to conform...