

**AN ORDINANCE AMENDING CHAPTER 18
“BUILDINGS AND BUILDING REGULATIONS”**

BE IT ORDAINED by the City Council of the City of Rolling Meadows, as follows:

Section One. Articles II, III and IV of Chapter 18 “Buildings and Building Regulations” of the Code of Ordinances of the City of Rolling Meadows, Illinois, is hereby repealed and amended to read as follows:

ARTICLE II. BUILDING CODES

Sec. 18-26. Purpose; short title.

This article is adopted to regulate construction within the city, to be referred to as The Comprehensive Building Code.

(Ord. No. 97-38, § 2 (5-1), 6-10-1997)

Sec. 18-27. Article of building code adopted with amendments; administration and enforcement.

(a) For the purpose of administration and enforcement of this article, there is hereby adopted by reference Chapter 1 of the International Building Code/**2009** edition, as published by the International Code Council.

(b) Any reference to "department of building safety" shall mean the Community Development Department.

(c) Chapter 1 of the building code adopted in this section shall be further amended as follows:

Section 101.1 is amended to read as follows:

101.1 Title. These regulations shall be known as the Building Code of the City of Rolling Meadows, Illinois, hereinafter referred to as "this code."

Section 105.2 is amended by deleting numbers one through thirteen and to read as follows:

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:

1. **Painting, papering, tiling, carpeting and similar finish work.**
2. Prefabricated swimming pools that are less than 24 inch deep **and do not have a recirculation pump.**
3. Swings and other playground equipment **not to be located in the front yard.**
4. Window awnings supported by an exterior wall which do not project more than 48 inches from the exterior wall and do not require additional support.
5. **One-story detached temporary accessory structures used as tool and storage sheds, playhouses and similar uses, provided the floor area does not exceed 64 square feet, a maximum height of 12 feet above grade and not located in any easement.**
6. **Tents and canopies less than 650 square feet in area erected for four or less days.**
7. **Replacement and/or repair that does not involve any electric, plumbing, or structural work and has a combined product and construction value of less than five hundred dollars (\$500).**

The remainder of section 105.2 is to remain unchanged.

Section 105.5 is amended by adding the following:

105.5 Expiration. **A fee of seventy-five dollars (\$75) or twenty percent (20%) of the original permit fees, whichever is less, may be charged for each extension.** Failure to commence work within said 180 day period and suspension or abandonment of work for more than the 180 day period shall be deemed in violation of this code and said permit shall become invalid.

Section 105.7 is amended to read as follows:

105.7 Placement of permit. The building permit or copy shall be kept on the site of the work until the completion of the project. The permit placard issued and intended for display shall be placed upon the job site in a manner as to be visible from the public way.

Section 107.1 is amended by adding the following: A minimum of four construction documents, five for restaurants, shall be submitted with each permit application. The construction documents shall be prepared by a registered design professional as required by applicable state law and for the following:

1. New construction of principal buildings and accessory.
2. Additions to existing buildings.
3. Alterations to a building's structural elements as determined by the code official.
4. Alteration and remodeling projects of a value in excess of **\$20,000.00.**

Exception: The building official is authorized to waive the submission of construction documents and other data not required by state law to be prepared by a registered design professional if it is found that the nature of the work applied for is such that review of construction documents is not necessary to obtain compliance with this code.

Section 110.3.1 is amended by adding the following:

110.3.1.1 Spot survey. Construction shall not proceed above foundation level until a spot survey, prepared by an Illinois Licensed Land Surveyor, is submitted to and approved by the Permits and Inspections Division of the Community Development Department.

Section 111.1.1 is added to read as follows:

111.1.1 Time limitation of request. A certificate of use and occupancy or completion must be requested within two years after issuance of a permit for principal buildings and structures and one year for accessory buildings and structures (garages, etc.); unless the applicant for said permit requests a different time frame within which to make such a request and said request is approved by the Community Development Director or his or her designee. Failure to so request a certificate of use, occupancy or completion within said period shall be deemed a violation of this code, the Community Development Director, at his or her sole discretion may:

1. Revoke said permit; and /or
2. Request the city attorney to file with the appropriate county recorder/registrar office a notice that said building or structure does not comply with the comprehensive building code of the City of Rolling Meadows and that any use or occupancy thereof is in violation of said code.

Section 111.3 is amended by adding the following:

111.3.1 Completion bond. Prior to issuance of a temporary certificate of occupancy, the Community Development Director or his or her designee may require a cash bond in an approved amount to assure completion of the unfinished work.

Section 113 is deleted in its entirety and amended to read as follows:

113 Means of Appeal.

Section 113 Appeal to the Board of Zoning Appeals. Any person directly affected by an order, decision, or determination of the Community Development Director or his/her designee, relative to the application or interpretation of this code shall have the right to appeal to the Rolling Meadows Zoning Board of Appeals in accordance with the procedure outlined in Section 122-52 of the Code of Ordinances, City of Rolling Meadows, Illinois. An application for appeal shall be based on a claim that the true intent of this code or the rules legally adopted thereunder have been incorrectly interpreted, the provisions of this code do not fully apply, or the requirements of this code are satisfied by equally good or better means. The Rolling Meadows Zoning Board of Appeals shall have no authority to waive requirements of this code.

Section 114.5 Is added to read as follows:

114.5 Posted Notices. It shall be unlawful for any person to remove, deface, alter or otherwise render unreadable any order or notice affixed or attached to any structure by the building official or his or her designee. Such notice may only be removed upon the express permission of the building official or his or her designee.

Sec. 18-28. Permit bonds for contractors.

(a) An application for a permit shall be accompanied by a bond in the prescribed amount for the following contractors:

- (1) General contractor (when construction value exceeds \$6,000.00) . . . \$10,000.00
- (2) Electrical contractor (when construction value exceeds \$2,000.00) . . . 5,000.00
- (3) Heating, air conditioning contractor (when construction value exceeds \$2,000.00) . . . 5,000.00
- (4) Excavating contractor (when construction value exceeds \$2,000.00) . . . 5,000.00
- (5) Concrete contractor (when construction value exceeds \$2,000.00) . . . 5,000.00
- (6) Sewer contractor (when construction value exceeds \$2,000.00) . . . 10,000.00
- (7) Driveway contractor (when construction value exceeds \$2,000.00) . . . 5,000.00
- (8) Carpentry contractor (when construction value exceeds \$6,000.00) . . . 5,000.00
- (9) Siding contractor (when construction value exceeds \$5,000.00) . . . 5,000.00

(b) Such bond is to be executed by a surety company authorized to transact business in this state as surety on the bond, with the applicant as principal on the bond and the city as obligee, for its benefit and that of consumers dealing with the applicant, conditioned that the applicant shall faithfully perform the duties and in all things comply with the building codes and other applicable sections of this Code and city ordinances pertaining to the permit applied for.

(Ord. No. 97-38, § 2 (5-3), 6-10-1997)

Sec. 18-29. Permit and inspection fees.

(a) *Basis of building permit and inspection fees.* For the purpose of determining a basis for computing building permit fees, the estimated cost of construction shall be determined by the Community Development Director as follows:

- (1) The valuation of buildings, structures and site improvements for computing permit fees shall be based on the square foot costs as published from time to time by R.S. Means Company, Inc. The Community Development Director may, in his discretion, request signed and certified proposals from parties responsible for the construction of the building or structure, and the valuation may be either higher or lower than that computed using the document from R.S. Means Company, Inc.

The value of site improvements shall be provided by the applicant and approved by the Community Development Director or the city engineer. The decision of the Community Development Director shall be final.

(2) For shell or speculative business and mercantile structures, the building permit fee may be calculated at 75 percent of the fee for completely finished office or other space and the balance of 25 percent charged as the permits for the interior finish improvements are requested.

(b) *Work started without permit.* If unauthorized work is started without a permit as required in this chapter, in addition to the regular permit fee, a penalty shall be assessed in accordance with the schedule of fees, fines and penalties as adopted by the city council from time to time and found in appendix B of the Code of Ordinances.

(c) *Additional inspections.* Additional inspections required because of inaccurate or incomplete information or failure to make necessary repairs or corrections **shall be computed on the actual hourly cost for each inspector plus a forty percent (40%) overhead surcharge per reinspection.**

(d) *Fees for permits and inspections.* Fees for permits and inspections shall be in accordance with the schedule adopted from time to time by the city council and listed in appendix B of the Code of Ordinances.

(e) *Code compliance and inspection bond.* No permit for new construction, alterations, additions or repairs of buildings or structures with a construction valuation of \$5,000.00 or greater or driveways, patios, decks, sheds or garages shall be issued unless the applicant deposits with the city a cash bond to ensure code compliance and reimbursement for additional inspections performed under applicable sections of this chapter. The amount of the cash bond shall be as provided in appendix B to this Code. Failure to correct code violations associated with construction regulated under the permit shall result in forfeiture of all or portion of the bond. Additional inspection charges as provided elsewhere in this chapter shall be charged to the cash bond account. Upon satisfactory completion of the construction, the cash bond shall be refunded, less any deductions, and without interest.

Amendments to the International Building Code/2009

All changes are in bold

Sec. 18-30. Design, construction, alteration, enlargement, repair, demolition, removal, maintenance and use of all buildings and structures.

(a) Building code adopted. The International Building Code **2009** edition including Appendices **E, F, G, H J and K** as published by the International Code Council, Inc. is adopted by reference pursuant to the authority of the 65 ILCS 5/1-3-2 for all buildings other than those that fall into the classification of exceptions. Any reference

in such code to “building official” shall read as meaning the “Community Development Director” and any reference to the “name of the jurisdiction” shall mean the “City of Rolling Meadows”. If the provisions of such code are in conflict with state laws or any other city ordinance, the stricter provision shall prevail. At least one copy of the building code shall be kept on file in the Community Development office for public inspection.

(b) Building code amendments. The building code adopted in subsection (a) of this section is amended as follows:

Section 202 (the definition of High-Rise Building) is amended by substituting the number 50 for the number 75.

Section 304.1 is amended by deleting “Laboratories; testing and research.”

Section 306.2 is amended by adding thereto “Laboratories; testing and research”.

Section 402.5.3 is amended by adding the following:

402.5.3 Storage prohibited. Storage is prohibited in exit corridors and signs in the corridors to the affect shall be placed as approved by the code official.

Section 403.1 is amended by adding the following:

403.1 High Rise Buildings Applicability: Buildings with an occupied floor level more than 50 feet above the lowest level of fire department vehicle access shall comply with section 403.2 through 403.6

Section 403.4.8.2 is added to read as follows:

403.8.2 Prohibited penetrations. All stairway and elevator shafts shall not be penetrated by any wiring, piping, conduit, duct or other system other than that which serves the shaft’s purposes as approved by the code official.

Section 419 Live/Work Units is deleted in its entirety as they are not permitted

Table 503 is amended by adjusting it as follows:

- (1) Column Type VB is deleted with the exception of garage type storage buildings less than 500 sq. ft. in area and separated from the main structure by at least 30 ft. when the main use is other than R-3 or R-4 classification. Type VB construction shall be permitted for R-3 or R-4 buildings.
- (2) Column Type VA is deleted with the exception of the following use groups: B,I-1,I-2, R-3 and R-4. The B use group is limited to 5,000 sq. ft. and one story unless fully suppressed with an automatic sprinkler system in accordance with section 903 in which case the building is limited to 7,500 sq.ft. and two stories. Garage type storage buildings of TypeVA construction shall be allowed up to 3,000 sq. ft.

Section 510 FIRE DEPARTMENT ACCESS

Section 510.1 is added to read as follows:

510.1 Fire department access is added to read as follows: When access to or within a structure or area is unduly difficult because of secured openings or where immediate access is necessary for life-saving or firefighting purposes, the fire prevention bureau may require a key box to be installed in an accessible location. The key box shall be a type approved by the fire prevention bureau and shall contain keys to gain access as required by the fire prevention bureau.

Section 604 EXTERIOR MATERIAL

Section 604.1 is added to read as follows:

604.1 TypeVA Construction is added to read as follows: TypeVA construction is permitted only when exterior wall facings and veneers and exterior trim are of other than wood or other composition material requiring painting on a regular basis

Section 903.2.1.1 is amended to read as follows:

903.2.1.1 Group A-1. An automatic sprinkler system shall be provided for Group A-1 occupancies where one of the following conditions exists:

1. The fire area exceeds 2,500 square feet.
2. The fire area has an occupant load of 75 or more.
3. The fire area is located on a floor other than the level of exit discharge.
4. The fire area contains a multi-theater complex.

Section 903.2.1.2 is amended to read as follows:

903.2.1.2 Group A-2. An automatic sprinkler system shall be provided for Group A-2 occupancies where one of the following conditions exists:

1. The fire area exceeds 2,500 square feet.
2. The fire area has an occupant load of 75 or more.
3. The fire area is located on a floor other than the level of exit discharge.

Section 903.2.1.3 is amended to read as follows:

903.2.1.3 Group A-3. An automatic sprinkler system shall be provided for Group A-3 occupancies where one of the following conditions exists:

1. The fire area exceeds 5,000 square feet.
2. The fire area has an occupant load of 75 or more.
3. The fire area is located on a floor other than the level of exit discharge.

Exceptions: Areas used exclusively as participant sports areas where the main floor area is located at the same level as the level of exit discharge of the main entrance and exit.

Section 903.2.1.4 is amended to read as follows:

903.2.1.4 Group A-4. An automatic sprinkler system shall be provided for Group A-4 occupancies where one of the following conditions exists:

1. The fire area exceeds 5,000 square feet.
2. The fire area has an occupant load of 300 or more.
- 3. The fire area is located on a floor other than a level of exit discharge serving such occupancies.**

Section 903.2.2 is amended by adding the following:

Section 903.2.2.1 is amended by adding the following:

903.2.2.1 Group B. An automatic sprinkler system shall be provided throughout all Group B fire areas greater than 5,000 square feet or where the combined Group B fire areas on all floors, including mezzanines, exceeds 10,000 square feet.

Section 903.2.3 is amended to read as follows:

903.2.3 Group E. An automatic sprinkler system shall be provided for Group E occupancies as follows:

1. Throughout all Group E fire areas greater than 5,000 square feet in area.
2. Throughout every portion of educational buildings below the lowest level of exit discharge **servicing that portion of the building**.

Exception: An automatic sprinkler system is not required in any fire area or area below the **lowest** level of exit discharge **servicing that area** where every classroom throughout the building has at least one exterior exit door at ground level.

Section 903.2.4 is amended to read as follows:

903.2.4 Group F-1. An automatic sprinkler system shall be provided throughout all buildings containing a Group F-1 occupancy where one of the following conditions exists:

1. Where a Group F-1 fire area exceeds 5,000 square feet;
2. Where a Group F-1 fire area is located more than two stories above grade; or
3. Where the combined area of all Group F-1 fire areas on all floors, including any mezzanines, exceeds 10,000 square feet.

Section 903.2.4 is further amended by adding the following:

903.2.4.2 Group F-2. An automatic sprinkler system shall be provided throughout all Group F-2 fire areas greater than 5,000 square feet or where the combined Group F-2 fire areas on all floors, including mezzanines, exceeds 10,000 square feet.

Section 903.2.7 is amended to read as follows:

903.2.7 Group M. An automatic sprinkler system shall be provided throughout buildings containing a Group M occupancy where one or more of the following conditions exist:

1. Where a Group M fire area exceeds 5,000 square feet.
2. Where a Group M fire area is located more than two stories above grade; or
3. Where the combined fire area of all Group M fire areas on all floors, including any mezzanines, exceeds 10,000 square feet.

Section 903.2.9 is amended to read as follow:

903.2.9 Group S-1. An automatic sprinkler system shall be provided throughout all buildings containing a Group S-1 occupancy where one of the following conditions exists:

1. A Group S-1 fire area exceeds 5,000 square feet;
2. A Group S-1 fire area is located more than two stories above grade; or

3. The combined area of all Group S-1 fire areas on all floors, including any mezzanines, exceeds 10,000 square feet.

Section 903.2.9.1 is amended to read as follow:

903.2.9.1 Repair garages. An automatic sprinkler system shall be provided throughout all buildings used as repair garages in accordance with Section 406, as shown:

1. Buildings two or more stories in height, including basements, with a fire area containing a repair garage exceeding 5,000 square feet.
2. **Buildings no more than one story above grade** with a fire area containing a repair garage exceeding 6,000 square feet.
3. Buildings with a repair garage servicing vehicles parked in the basement.

Section 903.2.9.2 is amended to read as follows:

903.2.9.2 Bulk storage of tires. Buildings and structures where the area for the storage of tires exceeds 10,000 cubic feet shall be equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1.

Section 903.2.10 is amended to read as follows:

903.2.10 Group S-2. **Enclosed parking garages.** An automatic sprinkler system shall be provided throughout buildings classified as enclosed parking garages in accordance with Section 406.4 **of the International Building Codes as follows:**

1. **Where the fire area of the enclosed parking garage exceeds 5,000 square feet;** or
2. **Where the enclosed parking garage is located beneath other groups.**

Exception: Enclosed parking garages located beneath Group R-3 occupancies.

Section 903.4.3 is amended to read as follows:

903.4.3 Floor control valves. **Approved supervised indication control valves shall be provided at the point of connection to the riser on each floor in multiple story buildings, provide floor control valves with water flow switches for each floor.**

Section 903.7 is added to read as follows:

903.7 Hydraulic name plate. **By each hydraulically calculated area, on each drawing, provide a copy of the hydraulic nameplate.**

Section 903.8 is added to read as follows:

903.8 Fire pump test header. **Provide an OS & Y control valve on all fire pump test headers. Provide an outside test header on fire pump installations.**

Section 903.9 is added to read as follows:

903.9 Private fire hydrants. **Fire hydrants shall be provided around the perimeter of the building in 300 foot increments. Also a fire hydrant shall be located within 100 feet of the fire department connection on the fire protection water supply to the building.**

Section 903.10 is added to read as follows:

Section 903.10 Access door. Provide an outside access door to the sprinkler riser valve room and fire pump room.

Section 903.11 is added to read as follows:

Section 903.11 Fire rated assembly. Provide a minimum one hour fire resistance rated assembly for sprinkler valve room and fire pump room.

Section 903.12 is added to read as follows:

Section 903.12 Fire hose valve. In all warehouse storage areas exceeding 20,000 square feet, and where storage exceeds 12 feet high, provide inside 2-1/2 inch fire hose valves with 1-1/2 inch reducer to a 1-1/2 inch connection. Locate the valves at each door entrance to the warehouse and/or storage area. Provide additional 2-1/2 inch fire hose valves so that no portion of the warehouse and/or storage area is more than 120 feet maximum travel distance to a fire hose valve. Show the location of all obstructions and/or racks on the drawing.

The fire hose valves system piping shall be:

- a. A separate riser piping system.
- b. The 2 ½ inch valves shall be supplied by a minimum of 4 inch with 2 ½ inch drops to each valve.
- c. Where system pressures exceed 100 psi provide Potter reduced pressure field adjustable type valves.

Section 905.3.1 is amended to read as follows:

905.3.1 Height. Class 111 standpipe systems shall be installed throughout buildings where the floor level of the highest story is located more than 30 feet or 3 stories, whichever is smaller, above the lowest level of the fire department vehicle access, or where the floor level of the lowest story is located more than 30 feet or 2 stories, whichever is smaller, below grade.

Section 906.1 is amended by deleting the exception.

Section 907.1.4 is added to read as follows:

907.1.4 Addressable fire alarm. All fire alarm systems shall be of the addressable type.

Section 907.2 is amended to read as follows:

907.2 Where required. An approved manual, automatic or manual and automatic fire alarm system shall be provided in all Use Groups including occupant notification appliances throughout the building installed per NFPA72.

Devices, combination of devices, appliances, and equipment shall comply with Section 907.1.2. The automatic fire detectors shall be smoke detectors, except that an approved alternative type of detector shall be installed in spaces such as boiler rooms where during normal operation products of combustion are present in sufficient quantity to activate a smoke detector.

All fire alarm control panels or full function annunciator panels shall be installed within 10 feet of the main entrance, or in a location approved by the fire department.

Exception: 1- and 2- family dwelling and townhouses.

Section 907.2.1 is deleted in its entirety.

Section 907.2.2 is deleted in its entirety.

Section 907.2.3 is deleted in its entirety.

Section 907.2.4 is deleted in its entirety.

Section 907.2.5 is deleted in its entirety.

Section 907.2.6 is deleted in its entirety.

Section 907.2.7 is deleted in its entirety.

Section 907.2.8 is deleted in its entirety.

Section 907.2.9 is deleted in its entirety.

Section 907.2.10 is deleted in its entirety.

Section 907.7.1.1 is added to read as follows:

907.7.1.1 Multi-tenant Use Group M buildings will be “ring by tenant” activated by the fire sprinkler system flow switch for that space or automatic fire detection and shall include a weather proof clear outside strobe over the entrance to each tenant space as directed by the fire department. All outside strobes shall be 75 candela minimum.

Section 912.1.1 is added to read as follows:

912.1.1 Fire department connections. All fire department connections shall be a 2-1/2 inch by 2-1/2 inch Siamese NST connection.

Section 1006.3 is amended by adding the following:

6. All rooms containing the building fire sprinkler riser(s), fire pump(s) and fire alarm control panel(s).

Section 1021.5 is added to read as follows:

Section 1021.5 Storage Prohibited. Storage is prohibited in exit passageways and such passageways shall be posted with conspicuous signs so stating.

Section 1404.4 is amended by adding the following.

1404.4.1 Appearance. The exposed exterior surface of the exterior walls shall not be of a plain block surface. Such surfaces shall have an architectural feature such as fluting or split face or similar treatment.

Section 1607.1 is amended to read as follows:

1607.1 Load reduction. It is permitted to multiply the combined effect of two or more variable loads by 0.75 and add to the effect of dead load. The combined load used in design shall not be less than the sum of the effects of dead load and any one of the variable loads.

Increases in allowable stresses specified in the appropriate materials section of this code or referenced standard shall not be used with the load combinations of Section 1605.3.1 except that duration of load increase shall be permitted in accordance with Chapter 23.

Table 1607.1 is amended as follows:

Forty (40) pounds per square foot shall apply for habitable attics and sleeping areas under subcategory one and two-family dwellings of category 27 entitled, "residential." **The snow load design shall be for a minimum of 25 pounds per square foot under subcategory all other construction and ordinary flat, pitched and curved roofs of category 29 "Roofs."**

Section 1608.2 is amended to read as follows:

1608.2 Ground snow loads. The ground snow loads to be used in determining the design snow loads for roofs is 30 pounds per square foot.

Table 1608.2 is deleted in its entirety.

Figure 1608.2 is deleted in its entirety.

Section 1608.3 is added to read as follows:

1608.3 Flat roof snow loads. The flat roof snow load, pf, on a roof with a slope equal to or less than five degrees (0.09 rad) (one inch per foot = 4.76 degrees) shall be calculated in accordance with Section 7.3 of ASCE 7. The snow load design shall be for a minimum of 25 pounds per square foot.

Section 1608.4 is amended to read as follows:

1608.4 Sloped roof snow loads. The snow load, ps, on a roof with a slope greater than five degrees (0.09 rad) (one inch per foot = 4.76 degrees) shall be calculated in accordance with Section 7.4 of ASCE 7. The snow load design shall be for a minimum of 25 pounds per square foot.

Section 1609.4.3 is amended by adding thereto the following:

Exposure B shall only be allowed if approved by the Community Development Director following a written site review report by the structural engineer of record.

Section 1807.1 is amended to read as follows:

1807.1 Foundation walls. Concrete and masonry foundation walls shall be designed in accordance with Chapter 19 or 21. Foundation walls that are laterally supported at the top and bottom and within the parameters of Tables 1807.1.6.3 (1) through 1807.1.6.3 (4) are permitted to be designed and constructed in accordance with Sections 1807.1.6.1 through 1807.1.6.3.2. Masonry foundation walls are not approved for use below grade.

Section 1807.1.4 Permanent wood foundations systems is deleted in its entirety as it is not permitted.

Section 1807.1.6.3 is amended by adding thereto the following:

11. Masonry foundation walls are not approved for use below grade.

Section 1808.6.2 Slab-on-ground foundations is deleted in its entirety as it is not permitted.

Section 1809.9 Masonry-unit footings is deleted in its entirety as it is not permitted.

Section 1809.12 Timber footings is deleted in its entirety as it is not permitted.

Section 1910 is deleted and amended to read as follows:

1910 Minimum Slab Provisions

1910.1 General. The thickness of concrete floor, patio and walk slabs shall not be less than 4 inches. The area within the slab shall have all vegetation, top soil and foreign material removed and is provided with a minimum 4 inch stone base. A 6-mil polyethylene vapor retarder with joints lapped not less than 6 inches shall be placed between the base course or sub grade and the concrete.

Exception: A vapor retarder is not required:

- 1. For detached structures accessory to occupancies in Group R-3 such as garages, utility buildings or other unheated facilities.**
- 2. For unheated storage rooms having an area of less than 70 square feet and carports attached to occupancies in Group R-3.**
- 3. For buildings of other occupancies where migration of moisture through the slab from below will not be detrimental to the intended occupancy of the building.**
- 4. For driveways, walks, patios and other flatwork which will not be enclosed at a later date.**

1910.2 Concrete floor slab. The concrete floor slab shall be placed on a minimum of 4 inch base course of clean graded, crushed stone or gravel passing a 2 inch sieve. Fill material shall be free of moisture, vegetation, organic and foreign material. The fill shall be compacted to provide a uniform support of the slab. Pea gravel shall not be allowed.

1910.3 Patios and service walks. Patios and service walks shall be pitched to drain surface water away from buildings and finished in such a manner so as to prohibit an accumulation of standing water in excess of one-half inch.

1910.4 Brick and stone pavers. Brick and stone pavers shall have a minimum compressive strength of 3,000 psi. The area within the paver installation shall have all vegetation, top soil and foreign material removed. The pavers shall be placed on a minimum of (4) four inch for walks and (8) eight inch for driveways, clean

compacted crushed stone or gravel sub base passing a three-quarter inch sieve. Fill material shall be free of moisture, vegetation, organic and foreign material and shall be compacted to provide a uniform support of the pavers. The entire perimeter of the paving bricks shall be provided with edge restraints. A final bed of leveling sand shall be provided.

The pavers shall be set in the bedding course and compacted with a final sweeping of sand into the joints.

Section 2304.11.2 is amended by adding thereto the following:

Wood supporting permanent structures shall be installed with a minimum clearance above grade of six inches.

Section 2304.11.2.7 is amended to read as follows:

2304.11.2.7 Posts or columns. Posts and columns supporting permanent structures shall be of preservative-treated wood and shall not be embedded in concrete.

Section 3001.1 is amended to read as follows:

3001.1 Scope. This chapter governs the design, construction, installation, alteration and repair of elevators and conveying systems and their components. All Elevator and Conveyance design, installation, construction, operation, inspection, testing, maintenance, alteration and repair of elevators and conveyances shall comply with Section 35 of the Elevator Safety and Regulation Act (225 ILCS 312/35) of the State of Illinois and all adopted administrative rules including but not limited to Illinois Administrative Code 1000 and all stated references in that Act and Administrative Code shall be adopted as reference as indicated in those documents. This Chapter 30 shall be applied if it is more restrictive than the Illinois Elevator Safety and Regulation Act.

Section 3001.5 is added to read as follows:

Section 3001.5 General. Elevators, dumbwaiters and escalators shall be maintained in compliance with ASME A17.1 and the State of Illinois Conveyance and Elevator rules and regulations. The most current certificate of inspection shall be on display at all times within the elevator or attached to the escalator or dumbwaiter, be available for public inspection in the office of the building operator or be posted in a publicly conspicuous location approved by the code official. The inspection and tests shall be performed at not less than the periodic intervals listed in ASME A17.1, Appendix N, State of Illinois Conveyance and Elevator rules and regulations and except where otherwise specified by the authority having jurisdiction.

Section 3002.4 is amended to read as follows:

3002.4 Elevator car to accommodate ambulance stretcher. In all buildings at least one elevator shall be provided for fire department emergency access to all floors in building.

Such elevator car shall be of such size and arrangement to accommodate a minimum 24 inch by 80 inch (610 mm to 2088 mm) ambulance stretcher in the horizontal open position and shall be identified by the International Symbol for emergency medical services (Star of Life). The symbol shall not be less than 3 x 3

inches high and wide (76 mm x 76 mm) and shall be placed inside on both sides of the main lobby hoistway door frame.

Section 3002.9 is added to read as follows:

3002.9 Access. Means of access for authorized personnel shall be provided to all pits. Access is to be by a permanent metal ladder securely fastened to the sidewall of the elevator shaft on the lock side of the access door. Said ladder is to extend a minimum of 48 inches above the access doorsill. Access doors are to be provided and shall be self-closing and provided with a lock to restrict access to the shaft.

Section 3002.10 is added to read as follows:

3002.10 Emergency car lighting. Car lighting shall be provided in all passenger and freight elevators with an emergency battery back-up light system with a minimum of two lamps of equal wattage. Emergency lights are to automatically turn on within ten seconds after primary power failure.

Section 3002.11 is added to read as follows:

3002.11 Emergency backup power. In all passenger and freight elevator cars, emergency backup power shall be provided to the audible signaling device or the means of two-way communication. Said emergency power shall automatically activate within ten seconds of primary source power failure and be capable of powering the audible signaling device for a minimum of one hour and the means of two-way communication for two hours.

Section 3002.12 is added to read as follows:

3002.12 Pit lighting. A permanent switched light powered by the building's power supply shall be provided in the elevator pit. The switch for said light is to be located between the ladder and the door and 36 inches above the access doorsill.

Section 3003.2 is amended to read as follows:

3003.2 Fire-fighters' emergency operation. Elevators shall be provided with Phase I emergency recall operation and Phase II emergency in-car operation in accordance with ASME A17.1 and NFPA72.

Section 3006.1 is amended to read as follows:

3006.1 Access. An approved means of access shall be provided to elevator machine rooms and overhead machinery equipment spaces. This means is not to be used as a passage way through the machine room to other areas of the building or roof.

Section 3007.8 is added to read as follows:

Section 3007.8 Existing Elevators. All existing elevators shall comply with ASME 2005 17.3, Safety Code for existing elevators and escalators.

Section 3009 is added to read as follows:

Section 3009. Maintenance and Accidents.

Section 3009.1 Owner Responsibility. The owner or the owner's legal agent for the building in which the equipment is located shall be responsible for the care, maintenance and safe operation of all equipment covered by this article after the installation thereof and acceptance by such owner or agent. The owner or legal agent shall make or cause to be made all periodic tests and inspections, and shall maintain all equipment in a safe operating condition, as required by this article.

Section 3009.2 Contractor Responsibility. The person installing any device covered by this article shall make all acceptance tests and shall be responsible for the care and safe operation of such equipment during its construction and until temporarily or finally accepted by the AHJ (Authority Having Jurisdiction) Director of Community Development or designee, such as the AHJ Elevator Inspector.

Section 3009.3 Maintenance Items. All operating and electrical parts and accessory equipment or devices subject to this article shall be maintained in a safe operating condition. The maintenance of elevators, dumbwaiters and escalators shall conform to ASME A17.1 listed in Appendix A.

Section 3009.4 Unsafe Conditions. If, upon inspection, any equipment covered in this article is found to be in an unsafe condition, or not in accordance with the provisions of this code, the AHJ shall thereupon serve a written notice of such finding upon the building owner or lessee, stating the time when recommended repairs or changes shall be completed. After the service of such notice, it shall be the duty of the owner to proceed within the time allowed to make such repairs or changes as are necessary to place the equipment in a safe condition. It shall be unlawful to operate such equipment after the date stated in the notice unless such recommended repairs or changes have been made and the equipment has been approved, or unless an extension of time has been secured from the AHJ in writing. Time duration to be 24 hrs, 7 days, 15 days or maximum 30 days.

Section 3009.4.1. Power to Seal Equipment. In cases of emergency, the AHJ, in addition to any other penalties herein provided, shall have the power to seal out of service any device or equipment covered by this article when, in the opinion of the AHJ, the condition of the device is such that the device is rendered unsafe for operation or for willful failure to comply with recommendations and orders.

Section 3009.4.2. Notice of Sealing Out of Service. Before sealing any device out of service, the AHJ, except in case of emergency, shall serve written notice upon the building owner or lessee stating intention to seal the equipment out of service and the reasons therefore.

Section 3009.4.3. Unlawful to Remove Seal. Any device sealed out of service by the AHJ shall be plainly marked with a sign or tag indicating the reason for such sealing. Any tampering with, defacing or removal of the sign, tag or seal without approval shall constitute a violation of this article.

Section 3012.1 General. All equipment and devices covered by the provisions of this code shall be subjected to acceptance and maintenance tests and periodic inspections as required herein.

Section 3012.2 Acceptance Tests. Acceptance tests and inspections shall be required on all new, relocated and altered equipment subject to the provisions of this chapter. Tests and inspections shall be of such a nature as to determine whether the entire installation is designed, constructed and installed in compliance with this code, and shall include all parts of the equipment and machinery. In addition, Full Load Tests to be done on all equipment. All such tests shall be made in compliance with the requirements of Section 8.10 and in the presence of the AHJ, or by an approved agency for the AHJ and by the person installing such equipment.

Section 3012.3 Periodic Tests and Periodic Inspections. Periodic tests shall be required on all new and existing power elevators, and periodic inspections shall be made of all new and existing equipment subject to the provisions of this chapter.

Section 3012.3.1 Periodic Tests. Periodic tests shall be made by the AHJ, or by an approved agency, and shall be made at the expense and responsibility of the owner. Where such tests are not made by the AHJ, the approved agency shall submit a detailed report of the tests to the AHJ on approved forms not more than 30 days after the completion of the tests.

Section 3012.3.2 Periodic Inspections. Periodic inspections shall be made by the AHJ or by an approved agency. Where such inspections are not made by the AHJ, the approved agency shall submit a detailed report of the inspection to the AHJ on approved forms not more than 30 days after completion of the inspection.

Section 3012.3.3 Frequency of Tests and Inspections. Tests and inspections shall be conducted at intervals of not more than those set forth in ASME A17.1 listed in Chapter 35 for elevators, escalators, dumbwaiters and moving walks.

Section 3013 is added to read as follows:

Section 3013 Misc. Equipment, Hoists and Conveyors

Section 3013.1 Miscellaneous Housing and Elevating Equipment. All miscellaneous hoisting and elevating equipment shall be subjected to tests and inspections as required by the AHJ to ensure safe operation.

Section 3013.2 Conveyors. Conveyors and related equipment shall be inspected and tested in accordance with ASME B20.1 listed in Chapter 35 and Sec 3005.4A regarding personal hoists.

Section 3303.7 is added to read as follows:

3303.7 Demolition of below grade foundations, in ground swimming pools, retaining walls and concrete chambers. Walls of in-ground structures shall be removed in a manner

approved by the code official, but not less than 48 inches from finished grade. Fill material is to be placed in a manner to provide structural bearing for possible future buildings.

(Ord. No. 97-38, § 2 (5-5), 6-10-1997; Ord. No. 04-61, § 2, 9-28-2004)

Amendments to the 2009 International Residential Code
Changes are in **Bold**

- (a) Adopted. The **2009** Edition of the International Residential Code including Appendices A, B, C, D, **F, G, I, J, K, M, O, Q** as published by The International Code Council, Inc. is hereby adopted by reference to regulate construction of one and two-family (duplex) dwellings only, including their accessory structures.
- (b) Matters not addressed. For those matters not addressed by the **2009** International Residential Code, the applicable codes adopted elsewhere in this chapter shall prevail.
- (c) Amendments. The **2009** International Residential Code adopted in subsection (a) of this section is amended as follows:

Section R101.1 is amended to read as follows:

R101.1 Title. These regulations shall be known as the **2009** Residential Code for One and Two-Family Dwellings of the City of Rolling Meadows, Illinois, hereinafter referred to as “this code.”

Section R101.2 is amended to read as follows:

R101.2 The provisions of the **2009** International Residential Code for One and Two-Family Dwellings shall apply to the construction, alteration, movement, enlargement, replacement, repair, equipment, use and occupancy, location, removal and demolition of detached one-and two-family dwellings not more than three stories in height with a separate means of egress and their accessory structures.

The Exception section is hereby deleted as Live /Work units are not allowed.

Section R104.10.1 is deleted in its entirety.

Section R105.2 is 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. Painting, papering, tiling, carpeting, and similar finish work.
2. Prefabricated swimming pools that are less than 24 inch deep **and do not have a recirculation pump.**

3. Swings and other playground equipment **not to be located in the front yard.**
4. Window awnings supported by an exterior wall which do not project more than 48 inches from the exterior wall and do not require additional support.
5. **One-story detached accessory structures used as tool and storage sheds, playhouses and similar uses, provided the floor area does not exceed 64 square feet in area, a maximum height of 12 feet above grade and not located in any easement.**
6. **Tents and canopies not to exceed 650 square feet in area and erected for four or less days.**
7. **Replacement and/or repair that does not involve any electric, plumbing, or structural work and has a combined product and construction value of less than five hundred dollars (\$500).**

The Electrical, Gas and Mechanical text of Section R105.2 shall remain unchanged.

Section R105.7 is amended by adding the following to the existing section:

R105.7 Placement of permit. The permit placard shall be displayed at the job site as to be visible from the public way for the duration of the project.

Section R106.1 is amended by adding the following to the existing section:

R106.1 Submittal documents. The construction documents, a minimum of three sets, shall be prepared by a registered design professional as required by applicable state law and for the following:

1. New house construction.
2. Additions of occupiable or habitable space in excess of 119 square feet in area (except screen rooms).
3. Alterations with a valuation in excess of **\$20,000.00**.
4. Where deemed appropriate by the code official for unique construction or circumstances.

Exception: The building official is authorized to waive the submission of construction documents and other data not required to be prepared by a registered design professional if it is found that the nature of the work applied for is such that reviewing of construction documents is not necessary to obtain compliance with this code.

Section R109.1.1.1 is added to read as follows:

R109.1.1.1 Spot survey. Construction shall not proceed above foundation level until a spot survey, prepared by an Illinois Licensed Land Surveyor, is submitted to and approved by the Permits and Inspections Division of the Community Development Department.

Section R109.1.1.2 is added to read as follows:

R109.1.1.2 Concrete slab on grade. Prepour inspection of slab on grade shall be made after excavation, placement and compaction of base and any required forms erected and any required reinforcing steel is in place and supported prior to the placing of concrete and brick pavers.

Section **R109.1.4.1** is added to read as follows:

R109.1.4.1 Insulation inspection. After the approved rough framing inspection and prior to wall and ceiling covering being installed, the insulation shall be inspected.

Section **R109.1.7** is added to read as follows:

R109.1.7 Prefabricated construction. All elements of prefabricated construction are to be readily accessible and visible for inspection on the site.

Section **110.1.1** is added to read as follows:

R110.1.1 Time limitation of request. A certificate of use and occupancy or completion must be requested within two years after issuance of a permit for principal buildings and structures and one year for accessory buildings and structures (garages, etc.); unless the applicant for said permit requests a different time frame within which to make such a request and said request is approved by the Community Development Director or his or her designee. Failure to so request a certificate of use, occupancy or completion within said period shall be deemed a violation of this code, the Community Development Director, at his or her sole discretion may:

3. Revoke said permit; and /or
4. Request the city attorney to file with the appropriate county recorder/registrar office a notice that said building or structure does not comply with the comprehensive building code of the City of Rolling Meadows and that any use or occupancy thereof is in violation of said code.

Section R112 Board of Appeals is deleted in its entirety and amended to read as follows:

Section R112 Appeal to the Board of Zoning Appeals. Any person directly affected by an order, decision, or determination of the Community Development Director or his/her designee, relative to the application or interpretation of this code shall have the right to appeal to the Rolling Meadows Zoning Board of Appeals in accordance with the procedure outlines in Section 122-52 of the Code of Ordinances, City of Rolling Meadows, Illinois. An application for appeal shall be based on a claim that the true intent of this code or the rules legally adopted thereunder have been incorrectly interpreted, the provisions of this code do not fully apply, or the requirements of this code are satisfied by equally good or better means. The Rolling Meadows Zoning Board of Appeals shall have no authority to waive requirements of this code.

Section R202 is amended as follows:

1. The definition of Accessory Structure is amended to read as follows:

Attached accessory structure. A structure connected to or within 6 feet of the principal dwelling building designed, built and occupied for use by a person or persons except storage buildings and detached garages built in accordance with Chapter 49. Examples of attached accessory structures are: wood decks, roofed-over decks and patios, porches (covered and uncovered), screen rooms, gazebos and other rooms or spaces not heated, insulated or convertible to habitable space. An enclosed space or room is considered convertible to habitable when one or more of the following exists:

1. The exterior walls are at least three and one-half inches thick and with less than 50% windows or open area.
2. The exterior walls or ceiling are insulated.
3. The window openings are double or triple glazed (including storm windows).

The definition of Townhouse is deleted and substituted with:

Townhouse. A single-family dwelling unit constructed in a group of at least three, but not more than six, attached units in which each unit extends from foundation to roof and with open space on at least two sides.

Table R301.2(1) is amended as follows:

1. Insert “**25** pounds per square foot” below the column entitled, “Ground Snow Load.”
2. Insert “90 miles per hour” below the column entitled, “Wind Speed.”
3. Insert yes below the column entitled, “Topographic effects.”
4. Insert B under column entitled “Seismic Design Category”
5. Insert “severe” below the column entitled, “Weathering.”
6. Insert “42 inches” below the column entitled, “Frost Line Depth.”
7. Insert “Moderate to heavy” below the column entitled, “Termite”
8. Insert “-4 degrees Fahrenheit” below the column entitled “Winter Design Temp.”
9. Insert “Yes” below the column entitled, “Ice **Barrier** Underlayment Required.”
10. Insert “See Chapter 46 of Code of Ordinances” below the column entitled, “Flood Hazards.”
11. Insert “2000” below the column entitled, “Air Freezing Index.”
12. “47 degree Fahrenheit” below the column entitled “Mean annual temp.”
Insert

Table R301.5 is amended by inserting “40” in the cross section of the column entitled, “Live Load,” and the row entitled, “Sleeping Rooms.” **40 pounds per square foot in the cross section for habitable attics and attics with fixed stairs.**

Section 302.2 is amended by substituting “Two-family dwellings” for “Townhouses.”

Section 302.5.1 is amended by substituting 1¼ inch for 1-3/8 inch and adding the following: Steel columns and beams shall be protected by not less than 5/8 inch type X gypsum board.

Section R302.6.1 is added to read as follows:

Section R302.6.1 All attic access openings in rated garage ceilings and walls shall be constructed so as to maintain the dwelling / garage separation as required by Table R302.6.

Table R302.6 Is amended by changing ½ inch to 5/8 inch in the cross section of all the column entitled “Material”

Section R302.11.1 is amended by deleting the reference to batts or blankets of mineral or glass fiber or other nonrigid materials used as fireblocking

Sections R302.11.1.1, R302.11.1.2 and R302.11.1.3 are deleted in their entirety.

Section R302.14 is added to read as follows:

R302.14 Separation from accessory buildings. Detached accessory buildings or structures shall be separated from the dwelling by a minimum of six feet, eave to eave. **Detached accessory buildings or structures shall be separated from all other detached accessory buildings or structures by a distance of six feet eave to eave.**

Exception: The separation distance may be reduced to a minimum of three feet provided any point on the interior wall or roof of the accessory building within ten feet of the dwelling is protected by a minimum of 5/8 inch fire-rated drywall and provided no openings in the exterior walls of the accessory building are closer than six feet to the dwelling.

Section 303.9 is added to read as follows:

R303.9 Basement light and ventilation. Natural light and ventilation area equal to 2% of the floor area shall be provided in unfinished basements.

Section 305.1 is amended by substituting 7 feet, 6 inches for 7 feet.

Section R306.5 is added to read as follows:

R306.5 Privacy Required. Every water closet, bathtub or shower required by this code shall be in a room which will afford privacy to the occupant.

Section R309.1.1 is added to read as follows:

Section R309.1.1 Gas curb. The floor of an attached garage shall be at least 6 inches below the finished floor elevation of the dwelling and be provided with a concrete curb or other approved barrier.

Section R310.1 is amended by substituting 36 inches for 44 inches.

Section R310.2.1 is amended by substituting 36 inches for 44 inches.

Section R310.2.2 Window Wells. All basement window wells shall be protected with a grate cover approved by the code official.

Section R311.2 is amended by substituting 34 inch for 32 inch.

Section R313.2. One- and two-family dwellings automatic fire systems shall be deleted in its entirety and shall read as follows:

R313.2 Detached dwelling. Any newly constructed dwelling 4,000 square feet or more in gross floor area shall be provided with an automatic sprinkler system. Gross floor area is defined as the floor area within the inside perimeter of the exterior walls of the building under consideration, exclusive of basements, attached garages less than 650 square feet in size, screen rooms less than 240 square feet, shafts, courts, without deduction for corridors, hallways, stairways, closets, the thickness of interior walls, columns or other features.

R313.2.1 Design and installation remains the same.

Section R313.2.2 is added to read as follows:

R313.2.2 Retroactivity. Any detached dwelling constructed after October 1, 2004, and not required to install an automatic sprinkler system shall install such a system should the building be added onto resulting in a gross floor area of 4,000 square feet or greater.

Section R317.1.4 is further amended by deleting the exceptions.

Section R317.1 is amended by adding thereto the following:

8. All exterior wood porches, decks, stairs and ramps.

Section R317.1.4 is amended by adding the following: Posts, poles and columns supporting permanent structures shall be approved pressure preservative treated wood suitable for ground contact use, and shall not be embedded in concrete.

Section R401.1 is 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.

Exception: In addition to the provisions of this chapter, the design and construction of foundations in areas prone to flooding as established by Table R301.2 (1) shall meet the provisions of section **R322**.

Section R401.2.1 is added to read as follows:

Section R401.2.1 Stoop foundations. A concrete foundation or wing walls below frost shall be provided for a porch, terrace slab, concrete or masonry steps and stoops which adjoin the foundation.

Section R402.1 is deleted in its entirety as it is not permitted.

Section R403.1.1 is amended by deleting any reference to fully grouted masonry, crushed stone and wood foundations as they are not permitted.

Section R403.1.1 is amended by deleting the reference to masonry footing and by adding the following: The minimum size footing width shall be 18 inches. All footings shall have a minimum 4 inch by 2 inch keyway.

Table R403.1 is deleted in its entirety.

Section R403.1.6 is amended by deleting exception one, two and three thereby prohibiting the use of foundation anchor straps as anchor bolts and requiring all walls to be anchored to the foundation.

Section R403.2 is deleted in its entirety.

Section R 403.3 is deleted in its entirety as it is not permitted.

Section R404 is amended by deleting any reference to masonry foundation walls, thereby prohibiting their use.

Section R404.2 is deleted in its entirety as it is not permitted.

Table R404.2.3 is deleted in its entirety.

Section R405 is amended by deleting any reference to wood or masonry foundations as they are not permitted.

Section R406 is amended by deleting any reference to wood or masonry foundations as they are not permitted.

Section R407.1 is amended to read as follows:

R407.1 Prohibited. Wood columns shall be prohibited below grade elevation (in basements and crawl spaces) unless approved by the Building Official because of special circumstances. **Steel posts and columns supporting floor framing shall be minimum 3 inch diameter concrete filled.**

Section **R408.4** is amended by adding thereto the following:

The minimum clearance between the ground or floor elevation below and the bottom of the floor joist shall be 30 inches.

Section R408.5 is amended by adding thereto the following:

Section R408.5.1 Ground cover. The soil in crawl spaces shall be covered with a continuous layer of minimum 6-mil polyethylene ground cover. The ground cover shall be lapped a minimum of 12 inches at joints and shall extend to all foundation walls enclosing the crawl space area. A continuous topping of stone ballast shall be placed uniformly over the cover to a depth of at least 2 inches.

Figure R502.2 is amended by adding thereto the following:

The figure is amended to require all headers and trimmer joists to be doubled and all joists to header connections to be with approved joist hangers or ledgers.

Section R502.7.1 is amended to read as follows.

R502.7.1 Bridging. Joists exceeding a nominal 2 inches by 8 inches shall be supported laterally by solid blocking, diagonal bridging (wood or metal), or a continuous 1 inch by 3inch strip nailed across the bottom of joists perpendicular to joists at intervals not exceeding 8 feet.

Section 502.10 Framing of openings. Openings in floor framing shall be framed with a doubled header and doubled trimmer joist. Approved hangers or ledgers shall be used for girder joist to the trimmer joist connections. Joist hangers and structural connectors shall be approved for their intended use and installed per the manufacturer's instructions.

Section R502.11.1 is amended to read as follows:

Section R502.11.1 Design. Wood trusses shall be designed in accordance with approved engineering practice. The design and manufacture of metal plate connected wood trusses shall comply with ANSI/TPI 1. The truss design drawings shall be prepared by an Illinois licensed structural engineer.

Section R504 Is deleted in its entirety as it is not permitted.

Section R506.1 is amended by substituting 3.5 inches with 4 inches.

Section R506.2.2 Is amended to read as follow and deleting the exception:

Section R506.2.2 Base. A 4-inch thick base course consisting of compacted clean gravel, crushed stone or crushed blast-furnace slag passing a 2-inch sieve shall be placed on the prepared sub grade when the slab is below grade. **Pea gravel is not approved for use below slabs uncontained.**

Section R507 is added to read as follows:

Section 507 Slabs on grade

R507.1 General. The thickness of concrete floor, patio and walk slabs shall not be less than 4 inches. The area within the slab shall have all vegetation, top soil and foreign material removed and is provided with a minimum 4 inch stone base. A 6-mil polyethylene vapor retarder with joints lapped not less than 6 inches shall be placed between the base course or sub grade and the concrete.

Exception: A vapor retarder is not required:

1. For detached structures accessory to occupancies in Group R-3 such as garages, utility buildings or other unheated facilities.

2. For unheated storage rooms having an area of less than 70 square feet and carports attached to occupancies in Group R-3.

3. For buildings of other occupancies where migration of moisture through the slab from below will not be detrimental to the intended occupancy of the building.

4. For driveways, walks, patios and other flatwork which will not be enclosed at a later date.

507.2 Concrete floor slab. The concrete floor slab shall be placed on a minimum of 4 inch base course of clean graded, crushed stone or gravel passing a 2 inch sieve. Fill material shall be free of moisture, vegetation, organic and foreign material. The fill shall be compacted to provide a uniform support of the slab. Pea gravel shall not be allowed.

507.3 Patios and service walks. Patios and service walks shall be pitched to drain surface water away from buildings and finished in such a manner so as to prohibit an accumulation of standing water in excess of one-half inch.

507.4 Brick and stone pavers. Brick and stone paver shall have a minimum compressive strength of 3,000 psi. The area within the paver installation shall have all vegetation, top soil and foreign material removed. The pavers shall be placed on a minimum of (4) four inch for walks and (8) eight inch for driveways, clean compacted crushed stone or gravel sub base passing a three-quarter inch sieve. Fill material shall be free of moisture, vegetation, organic and foreign material and shall be compacted to provide a uniform support of the pavers. The entire perimeter of the paving bricks shall be provided with edge restraints. A final bed of leveling sand shall be provided.

The pavers shall be set in the bedding course and compacted with a final sweeping of sand into the joints.

Section R602.3.2 is amended by deleting the exception.

Section R602.5 is amended by adding thereto the following:

Partition walls utilizing flat studs may not exceed 30 inches in width.

Section R602.7 is amended as follows:

R602.7 Headers. For header spans see Table R502.5 (1) and R502.5 (2). All bearing walls shall be constructed with a minimum of 2 two inch by six inch headers.

Section R602.7.1 is amended to read as follows:

R602.7.1 Wood structural panel box headers. Wood structural panel box headers shall be constructed in accordance with Figure R602.7.2 and Table R602.7.2. The use of plywood box headers shall be by special permission of the Building Official and then limited to accessory building and structures.

Section R602.7.2 is amended to read as follows:

R602.7.2 Nonbearing walls. Load-bearing headers are not required in interior or exterior nonbearing walls. A single flat 2-inch by 4-inch member may be used as a header in interior or exterior nonbearing walls for openings up to 3 feet in width if the vertical distance to the parallel nailing surface above is not more than 24 inches. For opening widths greater than 3 feet and less than 6 feet, a header of 2 two by four on edge minimum shall be installed. Openings of a width in excess of 6 feet shall be per Table 502.5 (1) and R502.5.2.

Section R606.6.1 is amended to read as follows:

Section R606.6.1 Pier cap. Hollow piers shall be capped with 4 inches of solid masonry or concrete or other approved methods. The four inch solid masonry or concrete cap shall extend at least one inch beyond the pier wall face.

Section R607.1.1 is deleted in its entirety.

Section R702.5 is amended to read as follows:

Section R702.5 Other finishes. Wood veneer paneling and hardboard paneling shall be placed on wood or cold-formed steel framing spaced not more than 16 inches on center. All wood veneer and hardboard paneling shall not have less than one-half-inch gypsum board backer. Wood veneer paneling not less than one-fourth-inch nominal thickness shall conform to ANSI/HPVA HP-1. Hardboard paneling shall conform to ANSI/AHA A135.5.

Section R802.8.1 is amended to read as follows:

R802.8.1 Bridging. Rafters and ceiling joists having a depth-to-thickness ratio exceeding 4 to 1 based on nominal dimensions shall be supported laterally by solid blocking, diagonal bridging (wood or metal) or continuous 1 inch by 3 inch wood strip nailed across the rafters or ceiling joists at intervals not exceeding 8 feet.

Section R802.9 is amended to read as follows:

R802.9 Framing of openings. Openings in roof and ceiling framing shall be framed with double header and trimmer joists. The header and trimmer joists shall be of sufficient cross section to support the ceiling joists or rafter framing into the header. Approved hangers shall be used for the header joist to trimmer joist connections and to connect the header to the joist or rafter. Tail joists over 12 feet long shall be supported at the header by framing anchors or on ledger strips not less than 2 inches by 2 inches.

Section R807.3 is added to read as follows:

R807.3 Pull-down stair access. The stair opening shall be insulated to maintain the required R-value of the ceiling.

Section R802.3 is amended by adding thereto the following:

All new roof framing constructed over existing roofs shall be provided with a plate where the new rafters meet the existing roof or other approved means of transferring the loads to

the foundation. All existing roof coverings shall be removed prior to the installation of new roof framing that would have otherwise covered the existing roof covering.

Section M1804.2.6 #4 is amended to read as follows:

- 4. The bottom of the vent termination shall be located at least 24 inches above finished ground level.**

Section M1804.2.6 is amended by adding the following:

- 8. Vents shall not terminate within three feet of an AC condenser.**

Section G2422.1 is amended by adding thereto the following:

Exception: Water heaters and furnaces shall be connected by rigid pipe only.

Section P2603.6 is amended to read as follows;

P2603.6 Freezing. In localities having a winter design temperature of 32 degrees Fahrenheit or lower as shown in Table R301.2(1) of this code, a water, soil or waste pipe shall not be installed outside of a building, in exterior walls, in attics or crawl space, or in any other place subjected to freezing temperature unless adequate provision is made to protect it from freezing by insulation or heat or both. Water service pipe shall be installed not less than 66 inches.

Section 2603.6.1 is amended by adding to the following 24 inches.

Section P2902.5.3 is amended to read as follows:

P2902.5.3 Lawn irrigation system. The potable water supply to a lawn irrigation system shall be protected against backflow by an RPZ valve only.

Table P2905.4 is amended by deleting any reference to acrylonitrile butadiene styrene (ABS) plastic pipe, asbestos-cement pipe, chlorinated polyvinyl chloride (CPVC) plastic pipe, copper or copper-alloy tubing type L, WL, M, and WM, all pex piping, all polyethylene piping and polypropylene piping as they are not allowed.

Table P2905.5 is amended by deleting any reference to chlorinated polyvinyl chloride (CPVC) plastic pipe, PE-AL-PE pipe and Polypropylene pipe, as they are not allowed.

Table 3002.1(1) is amended by deleting any reference to acrylonitrile butadiene styrene (ABS) plastic pipe and polyolefin pipe as they are not allowed.

Table 3002.1(2) is amended by deleting any reference to acrylonitrile butadiene styrene (ABS) plastic pipe, asbestos cement, polyolefin pipe and copper or copper alloy tubing type DWV as they are not allowed.

Table 3002.2 is amended by deleting any reference to acrylonitrile butadiene styrene (ABS) plastic pipe, asbestos cement, concrete pipe, polyethylene (PE) plastic pipe, polyolefin pipe and vitrified clay pipe as they are not allowed.

Table P3004.1 is deleted in its entirety.

Section P3108 is deleted in its entirety.

Section P3111 is deleted in its entirety.

Section P3114 is deleted in its entirety.

Table P3302.1 is amended by deleting any reference to asbestos-cement pipe and vitrified clay pipe as they are not allowed.

Table E 3801.2 is amended by deleting any reference to metal-clad cable, nonmetallic sheathed cable, and rigid nonmetallic conduit except for direct burial as they are not allowed.

Sec. 18-32. Repair, alteration, change of occupancy, addition and relocation of existing buildings.

(a) *Existing building code adopted.* The International Existing Building Code, 2009 edition, as published by the International Code Council, Inc., is adopted by reference pursuant to the authority of 65 ILCS 5/1-3-2 for regulating and governing the repair, alteration, change of occupancy, additions and relocation of existing buildings. Any reference in such code to "code official" or "building official" shall read as meaning the "Community Development Director;" any reference to "Department of Building Safety" shall read as meaning the Community Development Department; and any reference to "name of jurisdiction" shall mean the "City of Rolling Meadows." If the provisions of such code are in conflict with the state laws or any other city ordinance, the stricter provision shall prevail. One copy shall be kept in the office of the Community Development Director for public inspection.

(b) *Existing building code amendments.* The existing building code adopted in subsection (a) of this section is amended as follows:

Section 101.5 Exception is amended by substituting Section 807.4.3 for Section 807.5.3

Sections 103, 104, 105, 106, 108, 109, 112 and 113 inclusive, are deleted in their entirety. (See Section 18-27 of Article II of Chapter 18 of the Code of Ordinances.)

Section 1301.2 Insert the date of adoption of the Rolling Meadows Building Code

ARTICLE III. MECHANICAL AND FUEL GAS CODES*

Sec. 18-61. Mechanical Code Adopted.

The International Mechanical Code, 2009 edition, including Appendix A, as published by the International Code Council, Inc. is adopted by reference.

Sec. 18-62. Amendments.

The mechanical code as adopted in section 18-61 is amended as follows:

Section 101.1 is amended to read as follows:

101.1 Title. These regulations shall be known as the Mechanical Code of the City of Rolling Meadows, Illinois, hereinafter referred to as "this code."

Section 102.2 is amended by adding the following:

102.2.1 Abandoned systems. Mechanical systems or portions thereof that are abandoned and/or not intended for further use shall be removed or put in a safe condition as determined by the code official.

Section 106.5 is amended to read as follows:

106.5 Fees. A permit shall not be issued until the fees, in accordance with section 18-29 of the Code of Ordinances, have been paid, nor shall an amendment to a permit be released until the additional fee, if any, due to an increase of the mechanical system, has been paid.

Section 106.5.1 is deleted in its entirety.

Section 106.5.2 is deleted in its entirety.

Section 106.5.3 is deleted in its entirety.

Section 108.4 is amended to read as follows:

108.4 Violation penalties. Persons who shall violate a provision of this code or shall fail to comply with any of the requirements thereof or who shall erect, install, alter or repair mechanical work in violation of the approved construction documents or directive of the code official, or of a permit or certificate issued under the provisions of this code, shall be guilty of a misdemeanor, punishable by a fine of not more than \$1,000.00 or by imprisonment not exceeding 5 days, or both such fine and imprisonment. Each day that a violation continues after due notice has been served shall be deemed a separate offense.

Section 303.1 is amended by adding the following:

303.1.1 Screening. All mechanical equipment and related hardware mounted on the roof of any structure, other than single-family residences, shall be shielded from view at street level by no less than a uniform parapet wall or similar barrier, or alternate method to achieve the intended results as approved by the code official.

Section 602.3 is deleted in its entirety as it is not permitted.

Section 603.17 is amended by adding the following:

Section 603.17.3 Capped openings. All duct openings shall be capped during construction activities to prevent dust and debris from entering the system.
(Note: Change in numbering only.)

Section 804.3.4 is amended to read as follows:

804.3.4 Horizontal terminations. Horizontal terminations shall comply with the following requirements:

1. Where located adjacent to walkways, the termination of mechanical draft systems shall be not less than 7 feet (2,134 mm) above the level of the walkway.
2. Vents shall terminate at least 3 feet (914 mm) above any forced air inlet located within 10 feet (3,048 mm).
3. The vent system shall terminate at least 4 feet (1,219 mm) below, 4 feet (1,219 mm) horizontally from or 1 foot (305 mm) above any door, window or gravity air inlet into the building.
4. The vent termination point shall not be located closer than 3 feet (914 mm) to an interior corner formed by two walls perpendicular to each other.
5. The vent termination shall not be mounted directly above or within 3 feet (914 mm) horizontally from an oil tank vent or gas meter.
6. The bottom of the vent termination shall be located at least twenty-four (24) inches (610 mm) above finished grade.
7. Vents shall not terminate within three (3) feet of an AC unit.

Appendix B Recommended Permit Fee Schedule is deleted in its entirety.

Sec. 18-63. Fuel Gas Code Adopted.

The International Fuel Gas Code, 2009 edition, including Appendixes A, B, C, D, and as published by the International Code Council, Inc. is adopted by reference.

Sec. 18-64. Amendments.

The fuel gas code as adopted in section 18-63 is amended as follows:

Section 411.1 is amended by adding the following:

8. Gas connections for furnaces and water heaters are to be rigid metallic pipe and fittings or installed as a complete corrugated stainless steel gas piping system.

Chapter 18 Building and Building Regulations

Article IV. Property Maintenance Code.

Sec. 18-91. Adopted.

The 2009 *International Property Maintenance Code*, not including Appendix A, as published by the International Code Council, Inc. is hereby adopted by reference.

Sec. 18-92. Amendments.

The property maintenance code adopted in Section 18-91 is amended as follows:

CHAPTER 1—ADMINISTRATION

Section 101.1 is amended to read as follows: Title. These regulations shall be known as the Property Maintenance Code of the City of Rolling Meadows, hereinafter referred to as "this code."

Section 101.3: Insert: "Repairs, alterations, additions to and change of occupancy in existing buildings shall comply with the building, plumbing, mechanical, fire and zoning codes adopted by the City of Rolling Meadows."

Section 102.3 Application of other codes. Delete entire paragraph and insert:

"Section 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 building, plumbing, mechanical and fire codes adopted by the City of Rolling Meadows. Nothing in this code shall be construed to cancel, modify or set aside any provisions of the jurisdiction's zoning code. In the event of conflict, the most restrictive provision shall apply."

Section 102.7 Referenced codes and standards: Delete entire section and insert:
"Section 102.7 Referenced codes and standards: The codes and standards referenced in this code shall be those that have been adopted by the City of Rolling Meadows and considered part of the requirements of this code to the prescribed extent of each such reference."

Section 103.1 General: Delete entire section and insert:
"Section 103.1 General: The provisions of this ordinance and the 2009 International Property Maintenance Code, which it adopts and incorporates, shall be enforced by the City of Rolling Meadows Department of Community Development, its Director and his or her designated representatives."

Delete Sections 103.2 and 103.3 in their entireties.

Modify Section 103.4 by renumbering to Section 103.2 and deleting "...member of the board of appeals....." in the first line of this section.

Delete Section 103.5 in its entirety.

Section 107.2.5 Form. Delete line and insert:
"5. Inform the property owner or person responsible for the violation of the right to appeal." .

Section 111 Means of Appeal. Delete entire section and replace with:
Section 111- Appeal to the Zoning Board of Appeals. Any person directly affected by an order, decision, or determination of the Community Development Director or his or her designee, relative to the application or interpretation of this code shall have the right to appeal to the Rolling Meadows Zoning Board of Appeals in accordance with the procedure outlines in Section 122-52 of the Code of Ordinances, City of Rolling Meadows, Illinois. An application for appeal shall be based on a claim that the true intent of this code or the rules legally adopted thereunder have been incorrectly interpreted, the provisions of this code do not fully apply, or the requirements of this code are satisfied by equally good or better means. The Rolling Meadows Zoning Board of Appeals shall have no authority to waive requirements of this code.

CHAPTER 2--DEFINITIONS

Section 201.3 Terms defined in other codes. Delete entire paragraph and replace with:
"Where terms are not defined in this code and are defined in the building, plumbing, mechanical, fire, zoning, and municipal codes adopted by the City of Rolling Meadows, such terms shall have the meanings ascribed to them as in those codes."

Section 202--General Definitions

Bathroom. Delete and replace with "A room containing a lavatory, water closet, bathtub and/or shower."

Insert new definition: "Debris: An accumulation of one or more of the following items; tin cans, glass jars, bottles, scrap glass, paper cartons, scraps of paper, boxes, ashes, iron, old hot water tanks, oil storage tanks, tin or other metal materials, refuse, rubbish, junk, waste, manure, straw, piles of grass clippings and/or other yard waste, lumber, old bricks, concrete blocks, chunks of broken concrete, plaster board, discarded furniture, mattresses, bed springs, portable swimming pools in disrepair, operable or inoperable household appliances, lawn and garden equipment, inoperable bicycles, plumbing materials, electrical supplies or cords, or other like matter or things."

Insert new definition: "Public nuisance: Includes the following:

1. The physical condition or use of any premises against the health, peace and comfort for any person within the city limits which includes: creating offensive smells; permitting offensive matter to remain; depositing offensive matter; keeping place where areas or containers kept in an offensive condition; keeping animals other than domesticated pets; accumulations of junk, trash or rubbish; dense or offensive smoke; keeping buildings in an unsafe or dangerous condition shall be regarded as a public nuisance at common law; or
2. Any physical condition, use or occupancy of any premises or its appurtenances considered an attractive nuisance to children, including, but not limited to, abandoned wells, shafts, basements, excavations and unsafe fences or structures; or
3. Any premises which has unsanitary sewerage or plumbing facilities; or
4. Any premises designated as unsafe for human habitation or use; or
5. Any premises which is manifestly capable of being a fire hazard, or is manifestly unsafe or unsecured as to endanger life, limb or property; or
6. Any premises from which the plumbing, heating and/or facilities required by this code have been removed, or from which utilities have been disconnected, destroyed, removed or rendered ineffective, or the required precautions against trespassers have not been provided; or
7. Any premises which is unsanitary, or which is littered with rubbish, debris or garbage, or which has an uncontrolled growth of weeds, or;
8. Any structure or building that is in a state of dilapidation, deterioration or decay; faulty construction; overcrowded; open, vacant or abandoned; damaged by fire to the extent so as not to provide shelter; in danger of collapse or failure; or dangerous to anyone on or near the premises."

CHAPTER 3--GENERAL REQUIREMENTS

Section 301.2 Responsibility - Delete first sentence and replace with "The owner of the premises shall maintain the structures, *fixtures* and exterior property in compliance with these requirements, except as otherwise provided for in this code."

Section 302.1 Sanitation - Insert after sanitary condition "and free from any accumulation of rubbish, debris or garbage."

Section 302.4 Weeds - Insert "eight (8) inches."

Insert a new subsection: "Section 302.10 Litter. If failure to comply with Section 302 results in garbage and rubbish being deposited on any public or private property, it will be the responsibility of the violator to retrieve any and all blowing litter."

Insert a new subsection: Section 302.11 Exterior storage. In residential districts, exterior or outdoor storage of equipment, tools, material, debris, rubbish, trash, junk, cut brush, logs, limbs, tree trunks, stumps or garbage is prohibited in front of or at the sides of the principle building if in view from the street.

Exceptions:

1. Approved refuse containers.
2. Motor vehicles and trailers when parked in accordance with other applicable city regulations.
3. Lawn furniture and lawn ornaments.
4. Garden hoses.
5. Bulk landscape or construction material, including excavated material, for a period of time not to exceed sixty (60) days.
6. Firewood not exceeding two-thirds cord (two face cords) in volume.
7. Seasonal and holiday displays erected for not more than ninety (90) days.

Insert a new subsection: "Section 302.12 - Dead Vegetation/Trees. Any vegetation that is dead and in the opinion of the code official is capable of causing property or utility damage shall be removed. Any vegetation that is dead and within any yard shall be removed. Dead, dying and/or decaying trees posing an imminent danger to life or property shall be removed or rendered safe as determined by the code official. Any vegetation removed that is a part of a required landscaping area shall be replaced with live plants as approved by the Director of Community Development or his/her designee.

Insert a new subsection: Section 302.13. Snow and ice removal equipment and material, parking and storage. Snow removal equipment, vehicles and material shall be parked or stored behind the structure or as approved by the code official. Half-ton and three-quarter ton plow trucks are excluded from this regulation for the period of November 15 to April 1.

Insert a new subsection: Section 302.14. Holiday decorations. Holiday decorations, lights, displays, and signs shall be removed within ninety (90) days after the holiday so recognized.

Insert new subsection: "Section 304.3.1 Multi- Premises identification:

a. Where there are more than four (4) spaces/units located in a single commercial or industrial structure, each front and rear street level exterior door shall be marked with the corresponding street address and the identification of the occupancy. The numbering and lettering shall be no less than four (4) inches in height for front exterior doors and four (4) inches in height for rear exterior doors and in contrast coloring to that of the coloring of the door(s). The placement of the numbering and lettering shall be uniform throughout the commercial or industrial structure. All fire protection rooms, with direct outside ground access, shall be identified with the words, "Fire Protection Equipment Room" which shall appear on the door to said room in the same manner as the street address. Where fire protection rooms have interior access only, these rooms shall be identified as such with lettering or acceptable symbols, in the same manner as the street address, except that said lettering or acceptable symbols shall be no less than four (4) inches in height.

b) Where there are more than four (4) multi-family residential units, addresses shall be displayed on both the front and rear of the buildings."

Section 304.14 Insect screens. Insert: April 1 to December 1

Section 305.1 General: Insert at end of first line . . . and in a sanitary condition "so as not to pose a threat to the health, safety or welfare of the occupants or visitors and to protect the occupants from the environment."

Section 305.1.1 Unsafe condition. Amend first sentence to read: "The following conditions shall be determined as unsafe and shall be repaired or replaced to comply with building, plumbing, mechanical, fire and zoning codes adopted by the City of Rolling Meadows."

Section 307.1. Handrails and Guardrails General. Delete entire section and insert:
"Section 307.1 Handrails and Guardrails General: Every exterior and interior flight of stairs having four (4) or more risers shall have a handrail on one side of the stair and every open portion of a stair, landing, balcony, porch, deck, ramp or other walking surface which is more than 30 inches above the floor or grade below shall guards. Handrails shall not be less than 34 inches high or more than 38 inches high measured vertically above the nosing of the tread or above the finished floor of the landing or walking surfaces. Guards shall not be less than 36 inches high above the floor of the landing, balcony, porch, deck or ramp or other walking surface. *Open sides of stairs with a total rise of more than 30 inches above the floor or grade below shall have guardrails not less than 34 inches in height measured vertically from the nosing of the treads.*
Exception: Guards shall not be required where exempted by the adopted building code."

Section 308.1 Accumulation of rubbish or garbage: Delete "rubbish or garbage" and insert "rubbish, debris or garbage."

Insert a new subsection, "Section 308.4. Disposal of Debris: Every occupant of a structure shall dispose of debris in a clean and sanitary manner by placing such debris in an approved debris disposal facility or approved debris containers, and such disposal shall take place in compliance with the provisions of Code of Ordinances for the City of Rolling Meadows.

CHAPTER 4--LIGHT, VENTILATION AND OCCUPANCY LIMITATIONS

Section 404.4 Bedroom Requirements. Delete "404.4.5" and replace with "404.4.6."

Section 404.4.4 Prohibited occupancy. Delete entire section and insert:
"Section 404.4.4. Prohibited occupancy/prohibited sleeping areas. It shall be prohibited to use for sleeping purposes any kitchen, hallway, closet, basement (unless it meets the bedroom requirements listed herein), storage room, public area, dining room, living room or nonhabitable space."

Insert a new subsection:

"Section 404.4.6 Definitions.

Bedroom. A bedroom is defined as a segregated and separate room or space used or intended to be used for sleeping purposes and delineated by four (4) fixed walls and a door containing a minimum of at least seventy (70) square feet of floor area for a single occupant and every bedroom occupied by more than one person shall contain at least fifty (50) square feet of floor area for each occupant thereof, for the health, safety and welfare of the residents of the City of Rolling Meadows, excepting studios. It shall be

prohibited to occupy any residence that fails to satisfy the minimal floor area set forth herein for any residential occupancy.

Bedroom Requirements. For all sleeping areas, whether above or below grade, the following requirements shall be met, except where noted:

1. All walls and ceilings in bedrooms on any floor shall have, as a minimum, a layer of one-half (1/2) gypsum board or equivalent, taped and finished so as to provide a continuous surface with no breaks or gaps.
2. For all bedrooms, ceiling height shall not be less than seven (7) feet high.
3. Doors, with minimum dimensions of one and three-eighths (1 3/8) inch thick and six (6) feet eight (8) inches height, shall be required for all bedrooms. The door shall be side-hinged, readily operable, and provided with latching hardware.
4. A smoke detector shall be installed in each bedroom and a smoke detector and carbon monoxide detector outside of each bedroom.
5. Basement bedrooms, as well as other habitable space, shall be free of excess moisture, dampness and ground water seepage. All excess moisture shall be removed by mechanical or gravitational means.
6. All habitable rooms shall be provided adequate light and ventilation in accordance with the most current adopted City of Rolling Meadows Building Code.
7. Any area containing a sleeping room(s) shall have at least one operable window or exterior door approved for emergency escape or rescue. The units must be operable from the inside to a full clear opening without the use of a key, tool or special knowledge. Windows that are provided as a means of escape or rescue, including basement bedrooms, shall have a sill height of not more than thirty-six (36)) inches above the floor.
8. Escape or rescue windows with a finished sill height below the adjacent ground elevation shall be provided with a window well. The escape window well shall have an accessible and clear opening of not less than nine (9) square feet and with a length and width of not less than thirty-six (36) inches.
9. Furthermore, the escape window well shall have horizontal dimensions that allow the window to be fully opened."

Prohibited sleeping areas. Prohibited sleeping areas are defined as kitchens, as well as living rooms, dining rooms and other rooms which are not designated or qualified as bedrooms, as defined and qualified herein, which shall not be used for sleeping purposes."

Insert at end of sentence in *Section 404.5*. Overcrowding.

"Overcrowding shall also be determined in a residential dwelling unit as any qualified bedroom occupied by one (1) person which does not consist of at least seventy (70) square feet of floor area and any qualified bedroom occupied by more than one (1) person which does not consist of at least fifty (50) square feet of floor area for each occupant thereof"

CHAPTER 5--PLUMBING FACILITIES AND FIXTURE REQUIREMENTS

Section 502.2 Rooming house. Delete entire section.

Section 507.1 General. Delete: "drainage of roofs and paved areas" and insert "drainage of roofs, sump pits, and paved areas . . ."

Insert a new subsection:

"Section 507.2. Roof Drains. Drains, roof and otherwise, shall not terminate less than four (4) feet from the property line."

Insert a new subsection:

"507.3 Sump Pumps. Sump pump discharge water shall not create a public nuisance and in no event shall the termination of the discharge piping be closer than ten (10) feet from the property line."

Insert a new section:

"Section 508 Licensed Plumber

Section 508.1 Licensed Plumber. All multi-family rental dwellings containing more than twelve (12) dwelling units shall have in its employ or under contract a licensed plumber with said plumber's name, address and license number on file with the Community Development Department."

CHAPTER 6--MECHANICAL AND ELECTRICAL REQUIREMENTS

Section 602.2 Residential occupancies. Delete entire section and insert:

"Section 602.2 Residential occupancies. Dwellings shall be provided with heating facilities capable of maintaining a room temperature of 68 degrees F in all habitable rooms, bathrooms and toilet rooms all year. Cooking appliances shall not be used to provide space heating to meet the requirements of this section."

Section 602.3 Heat supply. Delete entire section and insert:

"Section 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, shall maintain a temperature of not less than 68 degrees F at any time during the year in all habitable rooms, bathrooms and toilet rooms.

Exception:

1. When the outdoor temperature is below the winter outdoor design temperature for the locality, maintenance of the minimum room temperature shall not be required provided that the heating system is operating at its full design capacity. The winter outdoor design temperature for the locality shall be as indicated in Appendix D of the International Plumbing Code."

Section 602.4 Occupiable work spaces. Delete "65 degrees F (18 degrees C)" and replace with "68 degrees F at any time during the year."

Insert a new subsection:

"Section 604.4 Registered electrician. All multi-family rental dwellings containing more than twelve (12) dwelling units shall have in its employ or under contract a registered electrician with said electrician's name, address, registration, license and permit bond on file with the Community Development Department."

Insert a new subsection:

"Section 605.2.1 Receptacles: All 125 volt, single-phase, 15- or 20-ampere receptacles installed in bathrooms and kitchens to serve counter top surfaces shall have ground-fault circuit-interrupter protection for personnel.

Insert a new subsection:

"Section 704.5 Fire Extinguishers. Fire extinguishers shall be provided as required per the adopted fire code for the City of Rolling Meadows and shall be maintained, operational and certified annually.

Chapter 8 Referenced Standards (page 21) Delete entire chapter and insert:
"Chapter 8 Referenced Standards. The codes and standards referenced in this code shall be those that have been adopted by the City of Rolling Meadows and considered part of the requirements of this code to the prescribed extent of each such reference."
Appendix A Boarding Standard is deleted in its entirety.

Section Two: Chapter 18, Article V, is hereby repealed and amended as

follows:

ARTICLE V. PLUMBING CODE*

Sec. 18-121. Adopted.

The International Plumbing Code, 2009 edition, including Appendixes B, D, E, and F as published by the International Code Council, Inc., is hereby adopted by reference. Appendixes A,C,G and the International Private Sewage Disposal Code are deleted in their entirety. If there is a conflicting provision with the Illinois Plumbing Code, the more restrictive requirement shall apply.

Sec. 18-122. Amendments.

The plumbing code adopted in section 18-121 is amended as follows:

Section 101.1 is amended to read as follows:

101.1 Title. These regulations shall be known as the International Plumbing Code of the City of Rolling Meadows, hereinafter referred to as "this code."

Section 102.10 is added to read as follows:

102.10 Abandoned system. Plumbing systems or portions thereof that are abandoned shall be removed and/or plugged in a manner approved by the code official.

Section 106.6.2 is amended to read as follows:

106.6.2 Fee schedule. The permit fees for all plumbing work shall be as found in section 18-29 of the Code.

Section 106.6.3.2 is deleted in its entirety,
Section 106.6.3.3. is deleted in its entirety.

Section 108.4 is amended to read as follows:

108.4 Violation penalties. Any person who shall violate a provision of this code or shall fail to comply with any of the requirements thereof or who shall erect, install, alter or repair plumbing work in violation of the approved construction documents or directive of the code official, or of a permit or certificate issued under the provisions of this code, shall be guilty of a misdemeanor, punishable by a fine of not more than \$1,000.00 dollars or by imprisonment not exceeding 5 days, or both such fine and imprisonment.

Each day that a violation continues after due notice has been served shall be deemed a separate offense.

Section 108.5 is amended to read as follows:

108.5 Stop work orders. Upon notice from the code official, work on any plumbing system that is being done contrary to the provisions of this code or in a dangerous or unsafe manner shall immediately cease. Such notice shall be in writing and shall be given to the owner of the property, or to the owner's agent, or to the person doing the work. The notice shall state the conditions under which work is authorized to resume. Where an emergency exists, the code official shall not be required to give a written notice prior to stopping the work. Any person who shall continue any work in or about the structure 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 \$75.00 or more than \$1,000.00.

Section 301.8 is added to read as follows:

301.8 Connection. The water distribution and drainage system of any building in which plumbing fixtures are installed shall be connected to a public water main and sewer, respectively, if available.

Section 301.9 is added to read as follows:

301.9 Availability. A public water main or public sewer system shall be considered available to the building when the property upon which the building is located is within 100 feet of the public water main or sewer.

Section 301.10 is added to read as follows:

301.10 Private sewage disposal. Private sewage disposal systems requiring repair in excess of 50% of the system's replacement value shall be abandoned and a connection made to the public sewer system when available.

Section 301.11 is added to read as follows:

301.11 Private water supply (wells). The design and installation of a private water supply shall be in accordance with the applicable rules and regulations for the same as developed by the County of Cook and State of Illinois. No such installation shall be allowed on a lot less than 20,000 square feet in area.

Section 302.3 is added to read as follows:

302.3 Private sewage disposal. The design and installation of private sewage disposal systems (septic fields) shall be in accordance with the applicable rules and regulations for the same as developed by the County of Cook and State of Illinois. No such system shall be allowed on any lot less than 40,000 square feet in area.

Section 305.6.1 is amended to read as follows:

305.6.1 Sewer depth. Building sewers that connect to private sewage disposal systems shall be a minimum of 48 inches below finished grade at the point of septic tank connection. Building sewers shall be a minimum of 48 inches below grade.

Section 403.2 is amended to read as follows:

403.2 Separate facilities. Where plumbing fixtures are required, separate facilities shall be provided for each sex.

Exceptions:

1. Separate facilities shall not be required for private facilities.
2. Separate employee facilities shall not be required in occupancies in which five or less people are employed.
3. Separate facilities shall not be required in mercantile occupancies in which the maximum occupant load is 50 or less.

Section 412.5 is added to read as follows:

412.5 Flashing. All floor drains, except those within a slab on grade, shall be installed with a flashing that is securely fastened to the waste outlet at the seepage entrance making a watertight joint between the flashing and outlet.

Section 412.6 is added to read as follows:

Floor drains are to be located at all furnace locations.

Section 412.7 is added to read as follows:

Floor drains are to be located in all laundry rooms.

Section 603.1 is amended to read as follows:

603.1 Size of water service pipe. The water service pipe shall be sized to supply water to the structure in the quantities and at the pressure required in this code. The minimum diameter of water service pipe shall be 1 inch. Dwelling water service pipe sizing shall include demand for an automatic sprinkler system.

Section 603.2 is amended to read as follows:

603.2 Separation of water service and building sewer. Water service pipes and building sewers shall be separated by 10 feet of undisturbed or compacted earth.

Exceptions:

1. The required separation distance shall not apply where the bottom of the water service pipe within 5 feet (1,524 mm) of the sewer is a minimum of 18 inches above the top of the highest point of the sewer and the pipe materials conform to Section 703.1.
2. The water service pipe is permitted to be located in the same trench with a building sewer, provided such sewer is constructed of materials listed in Table 702.2.
3. The required separation distance shall not apply where a water service pipe crosses a sewer pipe provided the water service pipe is sleeved to at least 5 feet (1,524 mm) horizontally from the sewer pipe centerline, on both sides of such crossing with pipe materials listed in Table 605.3, Table 702.2 or Table 702.3.

Section 603.3 is added to read as follows:

603.3 Water service shutoff. Each water service metered in accordance with Article IV of Chapter 10 of the Code of Ordinances must have a valve accessible from the exterior of the building for the purpose of shutting off water to the meter. Said accessible valve must be on the public way or easement of access granted by the property owner for such purpose.

Turning off the supply to the meter shall not interfere with any fire protection system within the building served by the public supply.

Section 603.4 is added to read as follows:

Section 603.4 Water Service Depth. In no case shall water services be less than five (5) feet six (6) inches below grade level.

Section 604.3.1 is added to read as follows:
Section 604.3.1 All water supply valves are to be accessible.

Section 604.4.1 is amended by adding the following:
604.4.1 Carwashes. Automatic carwash equipment shall recycle 50 percent of the potable water used in its operation.

Table 605.3 is amended to read as follows:

TABLE 605.3. WATER SERVICE PIPE

TABLE INSET:

MATERIAL	STANDARD
Ductile iron pressure pipe	ASTM A 377
Seamless brass pipe	ASTM B 135
Seamless copper tube	ASTM B 75
Seamless copper water tube-type K only	ASTM B 88
Seamless red brass pipe-standard size	ASTM B 43
Welded copper water tube-type K only	ASTM B 447

Table 605.4 is amended by deleting the following:

Table 605.4 Water Distribution Pipe is amended by deleting "Chlorinated polyvinyl chloride (CPVC) plastic pipe and tubing;" "Polyethylene/aluminum/polyethylene (PE-AL-PE) composite pipe;" and Polypropylene (PP) plastic pipe or tubing."

Section 605.15.2 is amended to read as follows:

605.15.2 Flared joints. Flared joints for water pipes shall be made by a tool designed for that operation. Joints in water tubing underground within the public right-of-way or at the round way valve shall be compression type.

Section 606.1 is amended as follows:

606.1 Location of full-open valves. Full-open valves shall be installed in the following locations:

1. On the building water service pipe from the public water supply at an approved location accessible to water department personnel.

The remainder of Section 606.1 shall remain unchanged.

Section 606.7 is added to read as follows:

606.7 Water meter location. The water meter shall be installed at a location no more than 6 feet from the point where the water enters the structure or a location approved by the code official.

Section 608.6.1 is amended to read as follows:

608.6.1 Private water supplies. Cross connections between a private water supply and a potable public supply shall be prohibited. Private water supply piping shall not enter or

be within the same building or structure that is served by the public water supply unless specifically approved by the code official.

Section 608.16.5 is amended to read as follows:

608.16.5 Connections to lawn irrigation systems. The potable water supply to lawn irrigation systems shall be protected against backflow by a reduced pressure principle backflow preventer. Where chemicals are introduced into the system, the potable water supply shall be protected against backflow by a reduce pressure principle backflow preventer.

Section 608.16.11 is added to read as follows:

608.16.11 Individual supply. Structures served by the public water supply shall not contain any piping or equipment associated with any individual supply (well), except when specifically permitted by the code official and then only after it has been demonstrated that the potential for cross connection has been minimized.

Table 702.1 is amended to read as follows:

TABLE 702.1. ABOVE-GROUND DRAINAGE AND VENT PIPE
TABLE INSET:

MATERIAL	STANDARD
Brass pipe	ASTM B 43
Cast-iron pipe	ASTM A 74, CISPI 301, ASTM A 888
Copper or copper alloy pipe	ASTM B 42, ASTM B 302
Copper or copper alloy tubing-type K, L, M or DWV	ASTM B 75, ASTM B 88, ASTM B 251, ASTM B 306
Galvanized steel pipe	ASTM A 53
Glass pipe	ASTM C 1053
Polyvinyl chloride (PVC) plastic pipe-type DWV, schedule 40 only	ASTM D 2665, ASTM D 2949, ASTM F 891, CSA-CAN/CSA-B181.2
Stainless steel drainage systems, Types 304 and 316L	ASME A112.3.1

Table 702.2 is amended to read as follows:

TABLE 702.2. UNDERGROUND BUILDING DRAINAGE AND VENT PIPE
TABLE INSET:

MATERIAL	STANDARD
Cast iron pipe	ASTM A 74, CISPI 301, ASTM A 888
Copper or copper-alloy tubing-type K or L	ASTM B 75, ASTM B 88, ASTM B 251
Polyvinyl chloride (PVC) plastic pipe-type DWV, schedule 40 only	ASTM D 2665, ASTM D 2949, ASTM F 891, CSA CAN/CSA B181.2
Stainless steel drainage systems, Type 316L	ASME A112.3.1

Table 702.3 is amended to read as follows:
TABLE 702.3. BUILDING SEWER PIPE
TABLE INSET:

MATERIAL	STANDARD
Acrylonitrile butadiene styrene (ABS) plastic pipe SDF26 or SDF35	ASTM D 2661, ASTM D 2751, ASTM F628
Asbestos cement pipe	ASTM C 428
Cast iron pipe	ASTM A 74, CISPI 301, ASTM A 888
Concrete sewer pipe	ASTM C 14
Polyvinyl chloride (PVC) plastic pipe-type DWV, SDR26 or SDR35	ASTM D 2665, ASTM D 2949, ASTM D 3034, ASTM F 679, ASTM F 891
Vitrified clay pipe shall be permitted by special permission of the code official in industrial applications where other materials may be adversely affected.	ASTM C 4, ASTM C 700
Stainless steel drainage systems, Types 304 and 316L	ASME A112.3.1

Section 703.1 is deleted in its entirety. (See Illinois Plumbing Code).

Section 703.6 is added to read as follows:

703.6 Minimum size. The gravity building sewer shall not be less than 6 inches in diameter.

Section 708.3.5 is amended to read as follows:

708.3.5 Building drain and building sewer junction. There shall be a cleanout within 5 feet of the junction of the building drain and the building sewer. The cleanout shall be outside the structure unless otherwise approved by the code official and shall be brought up to finished grade.

Section 708.4 is amended to read as follows:

708.4 Concealed piping. Cleanouts on concealed piping or piping under a floor slab or in a crawl space of less than 30 inches in height or a plenum shall be extended through and terminate flush with the finished wall, floor or ground surface or shall be extended to the outside of the building. Cleanout plugs shall not be covered with cement, plaster or any other permanent finish material. Where it is necessary to conceal a cleanout or to terminate a cleanout in an area subject to vehicular traffic, the covering plate, access door or cleanout shall be of an approved type designed and installed for this purpose.

Section 710.3 is added to read as follows:

710.3 Underground drainage piping. Any portion of the drainage system installed underground or below a basement or cellar shall not be less than 4 inches in diameter.

Section 904.6 is deleted in its entirety.

Section 909 is deleted in its entirety.

Section 917 is deleted in its entirety.

Section 1003.2 is amended to read as follows:

1003.2 Approval. The size, type, and location of each interceptor and of each separator shall be designed and installed in accordance with the manufacturer's instructions and the requirements of this section based on the anticipated conditions of use. Wastes that do not require treatment or separation shall not be discharged into any interceptor or separator. A required grease interceptor shall be located in-ground, outside the structure unless allowed indoors by the code official because of practical difficulties.

Section 1101.10 is added to read as follows:

1101.10 Air gap. Downspout or sump pump discharging into an underground storm sewer shall be air gapped at the point of discharge.

Table 1102.4 is amended by deleting the following:

Table 1102.4 Building Storm Sewer Pipe is amended by deleting "Acrylonitrile butadiene styrene (ABS) plastic pipe;" "Asbestos-cement pipe;" and "Vitrified clay pipe."

Table 1102.5 is amended by deleting the following:

Table 1102.5 Subsoil Drain Pipe is amended by deleting "Asbestos-cement pipe," and "Vitrified clay pipe."

Table 1102.7 is amended to read as follows:

TABLE 1102.7. PIPE FITTINGS

TABLE INSET:

MATERIAL	STANDARD
Cast iron	ASME B 16.4, ASME B 16.12, ASTM A 888, CISPI 301, ASTM A 74
Coextruded composite PVC DWV Schedule 40 IPS-DR, PS140, PS200(solid or cellular core)	ASTM D 2665; ASTM D 3311; ASTM 891
Coextruded composite PVC sewer and drain DR-PS in PS35, PS50, PS100, PS140, PS200	ASTM D 3034
Copper or copper alloy	ASME B16.15; ASME B16.18; ASME B16.22, ASME B16.23, ASME B16.26, ASME B16.29
Gray iron and ductile iron	AWWA C110
Malleable iron	ASME B16.3
Polyethylene (PE) plastic pipe	ASTM F 2306/F 2306M
Polyvinyl chloride (PVC) plastic	ASTM D 2665;ASTM D 3311; ASTM F 1866
Steel	ASME B16.9, ASME B16.11, ASME B16.28
Stainless steel drainage systems-type 316L	ASME A 112.3.1

Section 1106.3 is amended to read as follows:

1106.3 Building storm drains and sewers. The size of the building storm drain, building storm sewer, and their horizontal branches having a slope of one-half unit or less vertical in 12 units horizontal (4% slope) shall be based on the maximum projected roof area in accordance with Table 1106.3. The minimum slope of horizontal branches shall be one-eighth unit vertical in 12 units horizontal (1% slope) unless otherwise approved. The minimum size storm drain line for discharging of a sump pump or downspout shall be 4 inches. When such line is connected to a manhole, inlet, catchbasin or other pipe, it shall be by coring with a proper seal or by a connection fitting approved for the purpose.

Section 1111.2 is added to read as follows:

1111.2 Additional requirements. Additional requirements for subsoil drains are listed below.

Section 1111.2.1 is added to read as follows:

1111.2.1 General requirements. The following requirements apply to all subsoil drains.

Section 1111.2.1.1 is added to read as follows:

1111.2.1.1 Stone bed. Piping must be on a 4-inch minimum stone bed and have a minimum of 4 inches of stone cover.

Section 1111.2.1.2 is added to read as follows:

1111.2.1.2 Pipe discharge. Pipe discharge is to terminate not less than 10 feet from any property line or connect to an existing storm sewer catchbasin or inlet.

Section 1111.2.1.3 is added to read as follows:

1111.2.1.3 Air gap. All downspout and sump connections are to be installed with a minimum 1-inch air gap.

Section 1111.2.1.4 is added to read as follows:

1111.2.1.4 Catchbasin connections. Connections to a catchbasin or inlet is to be via a cored or saw cut opening and approved seal. Polyethylene pipe may not be used for a connection to the inlet structure.

Section 1111.2.1.5 is added to read as follows:

1111.2.1.5 Subsoil drains. Subsoil drains are to be sized to handle the flows introduced and as approved by the code official.

Section 1111.2.2 is added to read as follows:

1111.2.2 Other drain materials. Requirements specific to subsoil drain materials other than polyethylene pipe.

Section 1111.2.2.1 is added to read as follows:

1111.2.2.1 Stone. Stone is to be around the pipe and a minimum of 4 inches over the pipe. The top of the pipe must be a minimum of 6 inches below grade.

Section 1111.2.3 is added to read as follows:

1111.2.3 Polyethylene pipe. Requirements specific to subsoil drains of polyethylene pipe.

Section 1111.2.3.1 is added to read as follows:

1111.2.3.1 Stone. Stone is to be around the pipe and a minimum of 6 inches over the pipe. The top of the pipe must be a minimum of 18 inches below grade.

Section 1111.2.3.2 is added to read as follows:

1111.2.3.2 Pipe location. The pipe is not to be located under areas where it will be subject to greater loads, unless approved by the code official. Prohibited areas include, but are not limited to, driveways and parking areas.

Section 1113.1.5 is added to read as follows:

1113.1.5 Discharge. The sump pump discharge pipe shall terminate no closer than 10 feet to any property line, or shall be connected to an approved underground stormwater drain.

Section F101.7 is added to Appendix F to read as follows:

F101.7 Plumbing wall. A minimum nominal 6-inch plumbing wall is required for all back to and side to side plumbing installations unless otherwise approved by the code official.

Appendix A Plumbing Permit Fee Schedule is deleted in its entirety.

Appendix C Gray Water Recycling Systems is deleted in its entirety.

Appendix G Vacuum Drainage System is deleted in its entirety.

The International Private Sewage Disposal Code is deleted in its entirety.

Section Three: Chapter 18, Article VI is hereby repealed and amended as

follows:

Sec. 18-151. Enforcement; administrative powers and duties.

In addition to the regulations outlined in chapter 27 of the International Building Code adopted in article II of this chapter, the following shall apply:

(1) The community development director and the electrical inspector are empowered to attach to electrical cabinets and equipment any official notice or seal to prevent use of electricity because of code violations or hazardous equipment. It shall be unlawful for any other person to put or attach such a seal or to break, change, destroy, tear, mutilate, cover or otherwise deface or injure any such official notice or seal posted by an inspector of the community development department.

(2) It shall be unlawful for any person to overfuse any conductor, motor or apparatus in excess of the maximum allowed by the electrical regulations of this article for such conductor, motor or apparatus, or to install any substitutes in lieu of an approved fuse or device s as to remove or reduce the factor of safety of such.

(3) It shall be unlawful for any person to sell or offer for sale any tool or device especially made or intended for the purpose of defeating the noninterchangeability features of overcurrent protective devices. It shall also be unlawful for any individual or corporation to sell, offer for sale or give away, gratis, any tool or device which, by its very nature, defeats the intent of those sections of the National Electrical Code relating to the noninterchangeability of overcurrent devices. This subsection is not intended to prohibit the use of devices which are made available by manufacturers in order to accomplish the permitted interchange of overcurrent protective devices when such devices are made available only by the manufacturer of the overcurrent protective devices to be changed.

(4) Where an electrical contractor is found to be doing electrical work without a permit on three separate occasions in one calendar year, a hearing shall be held by the community development director, at which time the permit privileges of the electrician or electrical contractor may be suspended for a period of time not to exceed one year. The members of the electrical commission shall be present at such hearings and shall act as advisors to the community development director in determining a course of action.

(5) The community development director shall issue permits for installation and alteration of electrical equipment in all cases where application for permits is made in accordance with the all rules and regulations applicable thereto. However, no permit shall be issued for installing or altering electrical equipment unless the person applying for the permit is registered as required in this article or is the owner occupant of a single-family residence, and the inspection fee provided for in Appendix B to this Code has been paid in advance upon filing of the application.

(6) The electrical inspector is empowered to reinspect any electrical equipment within the scope of this article. When such electrical equipment is found to be unsafe to life or property the electrical inspector shall notify, in writing, either the owner, his agent for the purpose of managing, controlling or collecting rents or any other person managing, controlling, using or operating the electrical equipment to place such electrical equipment in a safe and secure condition in compliance with this article within such time as the electrical inspector shall consider just and reasonable, but in no event shall the time exceed 15 days from the date of the notice. Refusal to comply with the requirements of the notice shall subject the person owning, managing, operating or using the electrical equipment to the penalties provided for in this Code. The electrical inspector is empowered to cut off and stop current to any electrical equipment found to be hazardous to life or property.

(7) No electrical current shall be used in conjunction with any electrical equipment which has been installed or altered until an inspection has been conducted by the electrical inspector or by an electrical inspector under his jurisdiction.

(8) If within ten days after written notification from the community development department or within such reasonable time as may upon request be prescribed, any registered electrical contractor fails to correct any defect, error or deficiency in any work installed under the authority of a permit issued to him by the community development department, then the electrical inspector shall, without further notice, stop the issuance of permits to the registered electrical contractor until all corrections have been made, inspected and approved. In addition, the penalty provided in this article may be enforced. Furthermore, the electrical inspector is empowered to suspend the permit privileges of any registered electrical contractor who shall fail to pay any just indebtedness for inspection fees for electrical work until the electrical contractor pays all just indebtedness then due and owing to the city.

(Ord. No. 97-38, § 2 (5-7.1), 6-10-1997; Ord. No. 04-65, § 1, 9-28-2004)

Sec. 18-152. Supervising electrician.

(a) *Appointment.* Before any permit to install or alter electrical work shall be issued to any person entitled to secure permits under this article, he shall appoint or employ a person who may be himself or some other person who, for the purpose of the electrical regulations of this city, shall be known as a supervising electrician. All applications for permits shall be countersigned by such supervising electrician.

(b) *Certification.* The supervising electrician shall be properly certified by a governmental entity as approved by the community development director.

(c) *Notice of discharge.* Whenever a supervising electrician shall leave or be discharged from the employ of any person who is required by this section to appoint or employ a supervising electrician, a notice in writing shall be given within five days by both the employer and the supervising electrician to the community development department, and the permit privileges of such a person shall, without further order or action by the community development director, stand suspended until the employment or appointment by such a person of a supervising electrician, as provided for in subsection (a) of this section.

(Ord. No. 97-38, § 2 (5-7.2), 6-10-1997)
Secs. 18-153--18-180. Reserved.

DIVISION 2. INSTALLATIONS

Sec. 18-181. Code and rules adopted.

(a) For purposes of establishing rules and regulations for the installation of all electrical wiring and equipment provided for in this article, there is adopted the National Electrical Code/2008 edition (NFPA/ANSI 70), promulgated by the National Fire Protection Association, except such portions thereof as are expressly deleted, modified or amended in this section.

(b) Sections of this article or amendments thereto shall govern and control if a conflict occurs.

(c) Special rules and regulations regarding the installation, alterations and use of electrical equipment are as follows:

(1) *Service.* The service wires and service switch on all one- and two-family residential installations shall be at least 100 ampere capacity and the conductor shall be installed in rigid metal conduit or intermediate metal conduit, from the service head to the main disconnect.

(2) *Circuit requirements.* In single-family residences the main service entrance equipment shall consist of a single disconnect of not less than 100 ampere capacity, which shall serve a circuit box which shall contain space to accommodate no less than 16 full-size circuit breakers.

(3) Only full-size circuit breakers shall be used with new panel board installations.

(4) *Outlet requirements.* No more than ten current-consuming outlets shall be fed by any single circuit. In no case shall there be more current consuming outlets or devices than is allowed by the electrical code adopted in this section.

(5) Special branch circuit requirements. There shall be a minimum of two 20 ampere appliance circuits in the kitchen of any dwelling and a minimum of one 15 or 20 ampere circuit each for sump pumps, ejector pumps and for all motor loads of one-fourth horsepower or more. The minimum wire size shall be no. 12 for special branch circuits.

(6) A light shall be installed above all sinks and stairs to provide adequate illumination.

(7) All closets shall be properly illuminated by a permanently installed approved light, either inside of or within three feet of the closet.

Amend Section 18-181©(7) by adding:

(a) Exception: A linen closet shall not be required to have a light.

(8) Cords shall not be used for stationary appliances.

(9) Copper wire shall be used for all conductors smaller than no. 4 trade size. Where aluminum wiring is used, all terminations shall be protected by using an approved corrosion inhibitor.

(10) Stairways, hallways, passageways, corridors and rooms with more than one entry shall have a light or receptacle switched from all exits and entries.

(11) All conductors and service grounds shall be installed in nonflexible, approved metal raceways. Exceptions shall be as follows:

a. Low voltage wiring for lighting circuits, control circuits, signaling circuits or communication systems may be run exposed only in accessible areas when not subject to mechanical injury and to single station signal and communication jack outlets in existing walls or residential dwelling units. Low voltage cable when run exposed shall be installed in accordance with article 800 of the National Electrical Code.

b. U.F. and U.S.E. cables shall be allowed underground outside of buildings.

c. Rigid nonmetallic and electrical nonmetallic conduit may be used for special conditions when approved by the code official.

d. Rigid nonmetallic conduit and electrical nonmetallic conduit shall be allowed underground as follows:

1. Rigid nonmetallic conduit shall be used where subject to damage or excessive loads.

2. Within 18 inches of leaving the ground it shall have a transition to an approved metallic system and shall be appropriately grounded.

e. Armored cable one-half inch trade size with a ground wire may be used in existing walls, floors, ceilings or partitions where it is fished and shall tie into an approved metal raceway system within five feet of exposure.

- f. Flexible metal conduit and liquid-tight flexible metal conduit may be used as follows:
 - 1. In lengths less than six feet for the connection of a motor or a recessed or surface mount fixture.
 - 2. In existing inaccessible walls, floors, ceilings or partitions, where it is fished and shall tie into an approved metal raceway system within five feet of exposure.
 - 3. In lengths less than four feet for necessary flexibility at the termination of conduit runs as approved by the electrical inspector.
- g. Approved temporary wiring.

(12) Signs. No sign shall be erected within eight feet of any line conductors, service drops or power lines with a voltage of 240 volts or less to ground and 12 feet of any line conductors, service drops or power lines with a voltage greater than 240 volts to ground.

(13) For the construction of or addition to attached and detached garages, there shall be installed at least one GFCI receptacle and one lampholder switched at each entrance to the space.

(14) All residential general lighting ungrounded circuits shall be a maximum of 15 amperes.

(15) Color coding. Underground conductors shall be color coded to differentiate between phases and to prevent unnecessarily complicated wiring.

(16) There shall not be more than 300 volts between conductors in any outlet or switchboxes below the height of eight feet.

(17) No raceways, boxes or fittings shall be affixed or installed on a suspended ceiling grid system. Exception: Raceways not exceeding one-half inch in diameter, boxes and fittings for lighting branch circuits, only, may be affixed and supported by the ceiling grid system, provided the ceiling is not a component part of a required fire resistive rated floor/ceiling assembly or roof/ceiling assembly. Abandoned and unused electrical systems attached to the grid system shall be removed.

(18) An approved metal raceway shall be installed within single-family detached and attached dwellings from the water meter location to a point on an exterior wall approved by the water department for purposes of future installation of signal wire for remote meter heads.

(d) The electrical code adopted in Annex H of this code is amended as follows:

Article 80.15 is deleted in its entirety.

Article 80.23 is deleted in its entirety.

Article 80.25 C is amended to read as follows:

(C) If, within five business days after the electrical inspector is notified of the completion of an installation of electric equipment, other than a temporary approval installation, the electrical inspector has neither authorized connection nor disapproved the installation, the supplier of electricity is authorized to make connections and supply electricity to such installation.

Article 80.27 is deleted in its entirety.

Article 80.29 is deleted in its entirety.

Article 80.33 is deleted in its entirety.

Article 80.35 is deleted in its entirety.

(e) The electrical code adopted in subsection (a) of this section is amended as follows:

Article 230.70 (D) is added to read as follows:

230.70 (D) Location. The service disconnecting means for single-family detached and attached dwellings shall be installed either inside or outside of a building or other structure at a readily accessible location nearest the point of entrance of the service-entrance conductors and the location nearest the point of entrance is limited to a maximum of five feet.

Article 240.60 (D) is deleted in its entirety and reads as follows:

(D) Renewable link fuses are prohibited.

Article 324 is deleted in its entirety.

Article 334 is deleted in its entirety and the methods and materials regulated by this Article are prohibited unless specifically allowed elsewhere in this Chapter.

Article 382 is deleted in its entirety and the methods and materials regulated by this Article are prohibited unless specifically allowed elsewhere in this Chapter.

Article 394 is deleted in its entirety and the methods and materials regulated by this Article are prohibited unless specifically allowed elsewhere in this Chapter.

Article 396 is deleted in its entirety and the methods and materials regulated by this Article are prohibited unless specifically allowed elsewhere in this Chapter.

Article 398 is deleted in its entirety and the methods and materials regulated by this Article are prohibited unless specifically allowed elsewhere in this Chapter.

Article 604.8 is added to read as follows:

604.8 Conditions. Notwithstanding all of the above, manufactured wiring systems are prohibited except when the following conditions are met:

- (a) The building within which the system is installed must be use Group B as defined by the International Building Code and have a gross floor area in excess of 50,000 square feet.
- (b) The system is confined to an accessible space below a raised floor, except that the secondary distribution cables not in excess of 12 feet in length shall be allowed to serve all wall receptacles and switches.
- (c) The voltage drop from the supply panel to the last outlet shall not exceed 5 percent.
- (d) Prior to issuance of a permit for a system, a detailed drawing prepared by a registered design professional shall be submitted, reviewed and approved.
- (e) The system shall be subject to any and all terms and conditions as may be prescribed by the Community Development Director.

(Ord. No. 97-38, § 2 (5-7.3), 6-10-1997; Ord. No. 98-52, § 2, 10-27-1998; Ord. No. 04-65, § 2, 3, 9-28-2004)

Sec. 18-182. Appeals from decision of electrical inspector.

If a dispute occurs between the applicant and the electrical inspector about any electrical installation, maintenance or repair, the applicant may appeal the decision to the electrical commission. Furthermore, the applicant may appeal the commission's decision to the Rolling Meadows Zoning Board of Appeals which shall review the recommendations of the electrical commission prior to making any final decision. Any appeal to the Rolling Meadows Zoning Board of Appeals shall be in accordance with the procedure outlined in Section 122-52 of the Code of Ordinances, City of Rolling Meadows, Illinois. An application for appeal shall be based on a claim that the true intent of this code or the rules legally adopted thereunder have been incorrectly interpreted, the provisions of this code do not fully apply, or the requirements of this code are satisfied by equally good or better means. The Rolling Meadows Zoning Board of Appeals shall have no authority to waive requirements of this code.

Sec. 18-183. Electrical permits required; inspection of work.

No electrical equipment shall be installed or altered within the city, except upon a permit first issued by the community development department. The community development department shall issue permits for the installation and alteration of electrical equipment when application is made to the city. The department shall inspect all electrical equipment installed or altered in the city and shall require that it conform to the standards and specifications applicable. Permits for electrical work shall be issued by the electrical inspector and shall be made out upon a printed application form to be furnished by the

city, which shall describe in detail the material, apparatus and type of work to be done. In addition the form shall provide for the name of the owner of the property upon which the work is to be done, the user of the property and the correct address of the property. There shall also be provision for the name of the supervising electrician and the person making the installation.

(Ord. No. 97-38, § 2 (5-15.4), 6-10-1997)

Secs. 18-184--18-210. Reserved.

DIVISION 3. ELECTRICAL COMMISSION

Sec. 18-211. Created.

There is created an electrical commission, which shall recommend safe standards and specifications for the installation, alteration and use of electrical equipment within the corporate limits and shall recommend reasonable fees to be paid to the city for inspection of such electrical installation or alteration or use.

(Ord. No. 97-38, § 2 (5-15.1), 6-10-1997)

Sec. 18-212. Membership.

(a) The electrical commission shall consist of six members who shall be appointed by the mayor with the advice and consent of the city council. The six members shall be appointed as follows: one member shall be the chief electrical inspector; of the other five members, one shall be a registered professional engineer, one an electrical contractor, one a journeyman electrician and one a representative of an inspection bureau maintained by the Fire Underwriters, if such representative resides in the city; if not, the chief of the fire department; and one representative of an electricity supply company. If there is no person residing in the city who is qualified under these descriptions or if there are persons qualified under these descriptions but they refuse to serve, the mayor may appoint some other person to fill that position.

(b) Members shall be appointed to serve three-year terms.

Section Four: Chapter 18, Article XIII is hereby repealed and amended as

follows:

ARTICLE XIII. ELEVATORS

Sec. 18-475. Codes adopted.

The following codes and standards are hereby incorporated herein pursuant to the authority granted by 65 ILCS 5/5-1-3-2:

(a) American Society of Mechanical Engineers (ASME):

(1) Safety Code for Elevators and Escalators (ASME A17.1-2007/CSA B44-07) and Performance-Based Safety Code for Elevators and Escalators

(ASME A17.1-2007/CSA B44.7-07);

(2) Guide for Inspection of Elevators, Escalators, and Moving Walks (ASME 17.2-2004);

(3) Safety Code for Existing Elevators and Escalators (ASME A17.3-2005);

- (4) Safety Standard for Platform Lifts and Stairway Chairlifts (ASME A18.1-2005); and
- (5) Standard for the Qualification of Elevator Inspectors (ASME QEI-1-2004).
- (b) American National Standard: Safety Requirements for Personal Hoists and Employee Elevators (ANSI A10.4-2004).
- (c) American Society of Civil Engineers (ASCE): Automated People Mover Standards (ASCE 21-2000).

Section Five: This ordinance shall be effective January 1, 2011.

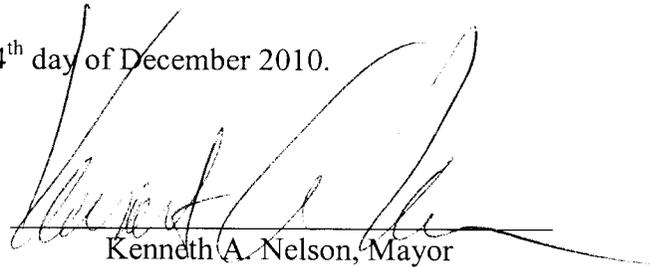
Section Six: This ordinance shall be printed and published in pamphlet form by order of the City Council of the City of Rolling Meadows.

YEAS: Pitzaferrero, Lusk, Buske, Judd, Adams, D'Astice, Larsen

NAYS: 0

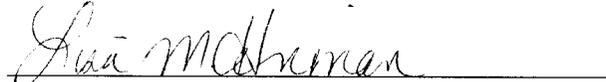
ABSENT: 0

Passed and Approved this 14th day of December 2010.



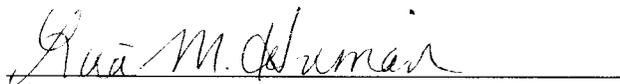
Kenneth A. Nelson, Mayor

ATTEST:



Lisa M. Hinman, City Clerk

Published this 15th day of December 2010.



Lisa M. Hinman, City Clerk