



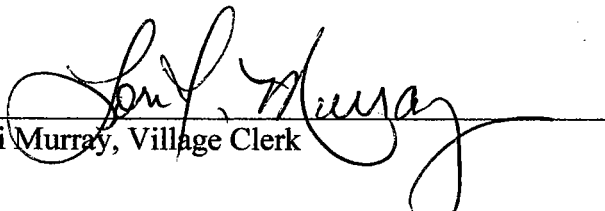
**VILLAGE OF NORTH AURORA
KANE COUNTY, ILLINOIS**

ORDINANCE NO. 12-09-17-03

**AN ORDINANCE ADOPTING BY REFERENCE THE 2009 EDITION OF THE
INTERNATIONAL RESIDENTIAL CODE OF ONE AND TWO FAMILY DWELLINGS**

Adopted by the Board of Trustees
And Village President
of the Village of North Aurora
This 17th day of SEPTEMBER, 2012

Published in Pamphlet Form
By Authority of the Board of Trustees
of the Village of North Aurora
Kane County, Illinois
This SMK day of SEPTEMBER, 2012


Lori Murray, Village Clerk

ORDINANCE 12-09-17-03

AN ORDINANCE ADOPTING BY REFERENCE THE 2009 EDITION OF THE INTERNATIONAL RESIDENTIAL CODE OF ONE-AND-TWO-FAMILY DWELLING

WHEREAS, THE International Residential Code of One-and Two-Family Dwellings/ 2009 with amendments (attachment A), is a code establishing minimum standards governing all matters concerning the fabrication, erection, construction, enlargement, alteration, repair, location and use of detached one-and-two-family dwellings, their appurtenances and accessory structures.

WHEREAS, the adoption of the International residential Code of One-and-Two-Family Dwelling/2009 with amendments (attachment A), Edition would be in the best interest of the Village.

NOW, THEREFORE, it be ordained by the President and Board of Trustees of the Village of North Aurora, Kane County, Illinois, as follows:

1. **Adoption.** That three copies of the International Residential Code of One-and-Two-Family Dwellings/2009 with amendments (attachment A), are on file in the Office of the Village Clerk of the Village of North Aurora. The said code is hereby adopted as the One-and-Two-Family Code of the Village of North Aurora, Kane County, Illinois, and each and all of the regulations if the International Residential Code of One-and-Two-Family Dwelling/2009 with amendments (attachment A), are hereby referred to, adopted and made part hereof as if fully set out in this Ordinance.
2. **Repeal.** That all Ordinances as part of Ordinances in conflict herewith are repealed. .
3. **Appeal.** The right of appeal granted pursuant to the International Residential Code of One-and-Two-Family Dwelling Code shall be to the North Aurora Board of Appeals, as established by the North Aurora Zoning Ordinance (Ordinance 90-11).
4. **Enforcement.** The North Aurora Building Department and such other persons as are authorized by resolution or Ordinance of the Village of North Aurora as in effect from time to time shall be the Enforcement Officers under this Ordinance.
5. **Separability.** If any section, subsection, paragraphs, sentence, clause or phrase of the Code adopted herein or of this Ordinance shall be declared invalid for any reason whatsoever, such decision shall not affect the remaining portion of this Code or Ordinance which shall continue in full force and effect and to this end the provisions of this Code and Ordinance are hereby declared to be severable.

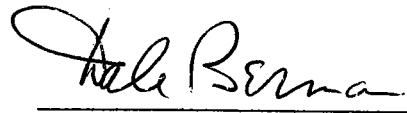
6. Effective Date. This ordinance shall be in full force and effect on JUNE 01, 2012, and after its passage, approval by the President, and passage of time as may be provided by law.

Presented to the Board of Trustees of the Village of North Aurora, Kane County, Illinois this 17th day of SEPTEMBER 2012, A.D.

Passed by the Board of Trustees of the Village of North Aurora, Kane County, Illinois this 17th day of SEPTEMBER 2012, A.D.

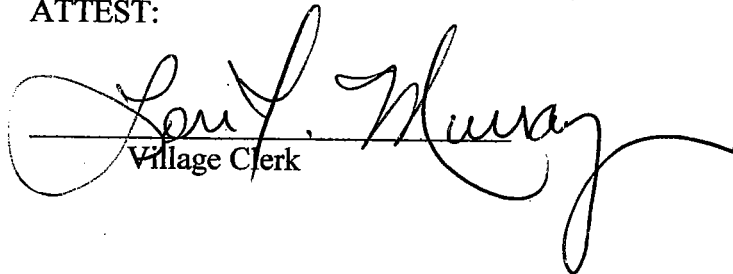
Chris Faber	<u>yes</u>	Mark Gaffino	<u>yes</u>
Laura Curtis	<u>yes</u>	Ryan Lambert	<u>yes</u>
Vince Mancini	<u>yes</u>	Mark Guethle	<u>yes</u>

Approved and signed by e as President of the Board of Trustees of the Village of North Aurora, Kane County, Illinois this 17th day of SEPTEMBER 2012, A.D.



Village President

ATTEST:



Village Clerk

ATTACHMENT A

ADMENDMENTS TO ORDINANCE 3

**AN ORDINANCE ADOPTING BY REFERENCE
THE 2009 INTERNATIONAL RESIDENTIAL CODE
FOR ONE-AND-TWO-FAMILY DWELLINGS**

**CHAPTER 1
ADMINISTRATION**

1. **Delete Section R105.2 Work exempt from permit.**

2. **Delete Section R105.2.3 Public service agencies.**

3. **Delete Section R105.5 Expiration and insert therefore:**

Section R105.5 Permit Expiration. Every permit, except demolition permits, shall become invalid or void, 1 year from the date of issuance. The building official may upon receipt of a written request extend said permit for a period of 180 days.

Demolition permits shall expire if work is not commenced within 10 days after the date of issuance. Once work begins the permit is good for 30 days.

4. **Delete Section R105.7 Placement of Permit and insert therefore instantier:**

Section R105.7 Placement of Permit. The Building Permit Weather Card shall be kept on the site of the work and be visible from the street until such time as a certificate of occupancy permit has been issued, or a final inspection has been performed.

5. **Delete Section R106.1.3 Information for construction in areas prone to flooding. And insert therefor:**

Section R106.1.3 Information for construction in areas prone to flooding. For Buildings and structures in flood hazard areas as established on local floodway Rate maps. Locally adopted Flood Plane Ordinances shall apply.

5. **Delete section R106.3.1 Approval of construction documents and insert therefore instantier:**

Section R106.3.1 Approval of construction documents. When the building official issues a permit, the construction documents shall be approved in writing or by stamp. One set of the approved construction documents so reviewed shall be retained by the building official. The other set shall be returned to the applicant and shall be kept on the site of the project and shall be open to inspection by the building official or his or her authorized agent/representative.

7. Insert section R106.3.4 Pre-Application Conference.

Section R106.3.4 All applicants and Owners seeking Demolition Permits for principal buildings on a lot or site shall first be required to attend a pre-application conference with the Building Official and any other member of the village staff as may be deemed necessary or their designee for the purpose of discussing the Village of North Aurora requirements for demolition and reconstruction.

8. Delete Section R109.1.3 Floodplain Inspection.
9. Delete the Exception under Section R110.1, Use and Occupancy.
10. Delete lines 3, 5, 7, 8 and 9 of Section R110.3 Certificate Issued.
11. Delete Section 112 Board of Appeals and insert therefore:

Section R112 Board of Appeals. See local Ordinance for Appeal Process.

12. Delete Section R113.3 Prosecution of violation. And insert therefore:

Section R113.3 Prosecution of violation. When the notice issued under R113.2 and a violation or stop work order in R114 is not complied with in the time prescribed by such notice, the building official is **authorized to use a Notice to Appear** in Circuit Court of Kane County or a summons to **appear before the jurisdictions adjudication** officer. Fines for such violation shall be a minimum of \$50.00 and a maximum of \$750.00 per violation. Each day the violation exists constitutes a separate violation and is subject to the per day fine.

CHAPTER 2 DEFINITIONS

1. Delete the term Accessory Structure from this edition and use current city definition of same.
2. Delete the term Branch interval from this edition and use the Definition found in the Illinois State Plumbing Code.
3. Delete the term Height, Building from this edition and use the definition found in the city code.
4. Change the stated term MANUFACTURED HOME to MANUFACTURED/ MOBIL HOME.
5. Delete the stated definition of Townhome and insert therefore:

Townhouse/Rowhouse/Duplex. A Townhouse/Rowhouse/Duplex or structures by any name performing the same function as a single family Dwelling unit attached to another dwelling unit only on the horizontal Plane. The number of dwelling units attached in this manor shall not exceed six- (6) single-family units.

**CHAPTER 3
BUILDING PLANNING**

1. **Delete Table R301.2 (1) and insert therefore instanter:**

Ground Snow Load # per Square Foot	Wind Speed in MPH	Seismic Design Category ^{f,g}	Subject to Damage From				Winter Design Temps ^F	Flood Hazard ^h
			Weathering ^a	Frost Line Depth ^b	Termite ^c	Decay ^d		
30	90	B	SEVERE	42"	M-H	S-M	-5 f	See local ord.

See caption under table R301.2 (1) in the book for exceptions and conditions of approval.

2. **Delete Section R301.2.4 Floodplain Construction**
3. **Delete exceptions 1 and 2 under Section R302.1 Exterior Walls:**
4. **Insert Table R302.1 Exterior Walls:**

Delete Section R302.2 Townhouses, Insert therefore:

Townhouses. Each Townhouse/Rowhouse/Duplex as defined in this code shall be constructed as a separate single family dwelling unit with a minimum of a two- (2) hour fire rated solid masonry wall, of non-combustible construction between living units from the foundation to the under side of the roof sheathing and shall extend the full length of the common wall. The number of dwellings attached in this manor shall not exceed six (6) single family dwelling units.

Insert R302.4 Construction site Regulations:

R302.4 CONSTRUCTION SITE REGULATIONS

A. Construction Site Regulations, as defined:

The term Construction is broken down into categories:

1. *General Construction Site* is a site in which construction is being done by a contractor for a person, firm, corporation, etc. for profit; General Construction sites can be either residential or commercial; and a
2. *Residential Construction Site* is a site in which the owner of residential property, is undertaking a project by oneself and not employing more than one trade for hire; and a
3. *Construction site*, in itself, refers to both types mentioned above.
4. *Residential Remodeling Sites* are sites, where projects such as, but not limited to decks, pools, sheds, fences, are undertaken.

B. Construction Hours

No construction projects, or residential remodeling projects, shall be carried on, nor shall construction personnel be present on the site that a permit has been issued before 7:00 a.m. or after 8:00 p.m. Monday through Friday and before 8:00 a.m. or after 8:00 p.m. Saturday, Sunday or Village recognized holidays.

All construction sites and shall have present on site temporary/portable restroom units (porta-potties) from the commencement of construction until occupancy is granted or facilities inside the structure are useable.

D. Construction Debris Disposal

All construction sites shall have dumpsters installed on site for the disposal of all construction debris. In the event the builder has permits for homes abutting each other, both properties can share one dumpster. At no time shall a construction site have construction debris present not in a dumpster while construction personnel are not present or at the end of each business day. Dumpsters shall be removed and replaced once full. Dumpsters shall be on site until the final inspection is completed.

E. Sections C and D above may be waived if, in the opinion of the Building Commissioner, they are not applicable to the project.

F. Construction and residential remodeling Debris on Public or Private Streets During Construction

All mud, stone, clay, gravel, concrete, or other foreign matter from the construction site shall be removed from any and all public or private streets, roads, alleys, or drives, at least twice a day by means of mechanical or manual sweeping method. The repair of any damage that is found to be caused by the deposits listed above shall be the responsibility of the permit holder of the project.

G. Safety Precautions Required: It shall be the duty of the person doing any construction, altering or wrecking work in the city to do the same with proper care for the safety of persons and property. Warnings, barricades and lights shall be maintained whenever necessary for the protection of pedestrians or traffic, and temporary roofs over sidewalks shall be constructed whenever there is danger from falling articles or materials.

H. Construction Fence

At the time of the issuance of the building permit for general construction projects and before the construction activity commences on all Commercial General Construction Sites and Residential General Construction Sites, a minimum of a six-foot (6') high chain link-type temporary fence shall be erected and shall remain on site until the final grade has been approved by the Village. Gates on said fence, providing vehicle access to the site will be required. The location of such gate shall be approved by the Fire Chief or the Building Official.

I. Owner to Post Construction Rules

At the time of permit issuance for all General Construction sites, a sign indicating the rules of construction shall be affixed to the fence next to the gate and visible from the street. Said sign shall remain on site and on the fence until final grade approval."

Subsections H and J above may not apply to construction sites in active subdivisions at the discretion of the Building Commissioner based upon safety concerns in the subdivision. Active subdivisions are defined as a subdivision where more than 75 % of the lots are occupied with structures

- J. Demolition Standards: The following items shall accompany all applications for demolition permits.**
 - a. Dated stamped IEPA 10 day notice requirement.**
 - b. A plan showing the location of the structure to be demolished on the property.**
 - c. A plan showing proposed site condition post demolition.**
 - d. A plan indicating the seed rate for the subject property post demolition.**
 - e. A plan showing the location of ALL utilities and a description on how said utilities would be terminated.**
 - f. A plan showing the proposed location of the silt and security fence.**
- H. A "Letter of Intent to Conform" signed by the owner, applicant, and contractor indicating their respective understanding of the Regulations for Demolition. Owner to Post Construction rules: At the time of permit issuance for all General Construction sites a sign indicating the rules of construction will be affixed to the fence next to the gate and visible from the street. Said sign shall remain on site and on the fence until the final grade approval.**
- I. Owner to Post Contact Information Sign on General Construction Fence: Said sign shall contain the Name(s) and 24 hour phone number(s) of the person or persons responsible for the site/project. The scheduled date of demolition shall be clearly posted on said sign.**
- J. Construction Site Vegetation: Vegetation on construction sites shall be kept to a maximum height of 8 inches.**

R302.11 Delete #4 therefore insert

4 At openings around vents, pipes, ducts, cables and wires at ceiling and floor level, with an approved material to resist the free passage of flame and products of combustion. The material filling this annular space shall be required to meet the ASTM E 136 requirements.

5. Delete Exception under Section R303.3 insert therefore:

Exception: the glazed area shall not be required where artificial light and mechanical ventilation systems are provided. The minimum ventilation rates shall be 50cfm for intermittent ventilation or 20 cfm for continuous ventilation. Ventilation air from the space shall be exhausted directly to the outside of the structure by means of either the soffit area with an approved connection to the soffit or through the roof with an approved insulated (r-3) roof fitting to prevent moisture from returning to the area being exhausted.

6. Delete section R304 minimum room sizes: insert therefore instanter:

Table 304 Minimum room sizes

**Table 304
Minimum Occupancy Requirements**

Space	Minimum Occupancy area in Square Feet		
	1-2 Occupants	3-5 occupants	6 or More Occupants
Living rm	120	150	200
Dining rm	100	130	175
kitchen	100	175	175
bathroom	30	75	100
bedrooms	Minimum of 100 sq. ft. and 70 sq. ft./person. Maximum of 3 persons per bedroom.		

7. Delete R309.3 Flood Hazard areas.

8. **R309.5 Opening protection.** Openings from a private garage directly into a room used for sleeping purposes shall no be permitted, Other Openings between the garage and residence shall be equipped with solid wood doors not less than 1 3/8 inch in thickness, solid or honeycomb core steel doors not less than 1 3/8 inches thick. All such doors shall be equipped with self-closing hinges, and have a 1 hour rating.

9. **R309.6 Separation required.** The garage shall be separated from the residence and its attic area by not less than 5/8-inch type X gypsum board applied to the garage side and taped with a minimum one coat of approved joint tape and compound. Where the separation is a floor-ceiling assembly, the structure supporting the separation shall be protected by not less than 5/8-inch type X gypsum board with one coat of approved joint tape and compound or equivalent. The garage floor shall be poured a minimum of 4 inches below the top of the foundation to form a gas curb on three walls of the garage abutting the house.

10. **Delete R310.1 Emergency Escape and rescue required. Insert therefore:**

R310.1 Emergency escape and/or rescue required. All basements and sleeping rooms shall have a least one openable emergency escape and/or rescue window or exterior door opening for emergency escape and/or rescue. Windows provided as a means of escape and/or rescue, shall have a sill height of not more than 44 inches above the finished floor. Where a window(s) is/are provided as a means of egress and/or rescue from a basement they shall have a sill height not more than 36 inches above the finished floor. All rescue and egress windows from sleeping rooms and basements must have a minimum net clear opening of five and seven tenths (5.7) square feet. Where a door opening having a threshold below the adjacent ground elevation serves as an emergency escape and rescue opening and is provided with a bulkhead enclosure, the bulkhead enclosure shall comply with section 310.3. The net clear opening dimension required by this section shall be obtained by the normal operation of the window or door opening from the inside. Escape and Rescue window openings with a finish sill height below the adjacent ground elevation shall be provided with a window well in accordance with section R310.2 of this code.

11. **Delete R310.2.1 Ladder and steps insert therefore:**

R310.2.1 Window wells with a vertical depth greater than 36 inches below the adjacent ground level shall be equipped with a permanently affixed ladder or steps useable with the window in the fully open position. Ladders and steps required by this section shall not be required to comply with section R314 and R315. Ladders or rungs shall have an inside width of at least 12 inches, shall project at least 3 inches from the wall and shall be spaced not more than 18 inches on center vertically for the full height of the window well.

Delete 311.2 and insert therefore:

R311.2 Egress: At least two egress doors shall be provided for each dwelling unit. The egress door shall provide be side-hinged, and shall provide a minimum clear width of 36 inches when measured between the face of the door and the stop, with the door open 90 degrees. The minimum clear height of the door opening shall not be less than 80 inches in height measured from the top of the threshold to the bottom of the stop. Other doors shall not be required to comply with these minimum dimensions. Egress doors shall be readily open able from inside the dwelling without the use of the key or special knowledge or effort.

13. **Delete R311.3 Landings at doors Insert therefore:**

R311.3 Landings at doors. A minimum of 3 foot by 3 foot landing shall be required on each side of an egress door. The floor or landing shall not be more than 1 ½ inches lower than the top of the threshold, In cases where the door opening exceeds a 3 foot width the landing shall be as wide as the usable door opening,

Exceptions:

1. At the top of a flight of stairs, provided the door does not swing over the stairs.

14. **Delete R311.7.7 Handrails Insert therefore:**

R 311.5.6 Handrails. Handrails shall be provided on at least one side of each continuous run of treads or flight with 3 or more risers.

15. **Delete R314.3 Location Insert therefore:**

R314.3 Single-and multiple-station smoke alarms. Single and multiple station smoke alarms shall be installed in the following locations:

1. In each sleeping room.
2. Outside of each separate sleeping area within 15' of all bedrooms.
3. On each additional story of the dwelling, including basements And cellars but not including crawl spaces and uninhabitable attics. In dwellings or dwelling units with split-level.

4. In dwellings or dwelling units with split-level. For the purpose of this section each split-level shall be considered a story.
5. In any enclosed mechanical room in basements or attics.

When more than one smoke alarm is required to be installed within an individual dwelling unit the alarm devices shall be interconnected in such a manner that the actuation of one alarm will activate all the alarms in the dwelling unit. The alarm shall be clearly audible in all bedrooms over background noise levels with all intervening doors closed.

All smoke alarms shall be listed and installed in accordance with the provisions of this code and the household fire warning provisions of NFPA 72.

17. Delete Section R317.1 Two-family dwellings:

18. Delete Section R317.1.1 Supporting Construction

19. Delete Section R302.2 Townhouses, Insert therefore:

20. Delete Section R317.2 Ground Contacts. Insert therefore.

R317.1.2 Ground contacts. All wood in contact with the ground that supports permanent structures intended for human occupancy shall be prohibited,

21. Delete R317.1.4 Wood columns, Insert therefore:

R317.1.4 Wood columns. Posts, poles and columns supporting structures that are embedded in concrete, in direct contact with the earth or are embedded in concrete exposed to the weather are prohibited,

CHAPTER 4 FOUNDATIONS

1. **Delete Section R401.1 Application, insert therefore:**

Application. The provisions of this chapter shall control the design and construction of the foundation and foundation spaces of all buildings and structures.

2. **Delete Section R 402.1, 402.1.1, 402.1.2**

3. **Delete Section R 403.1 General and insert therefore:**

R 403.1 General. All exterior walls shall be supported on continuous solid concrete footings of sufficient design to accommodate all loads imposed according to Section R301 and to transmit the resulting loads to the soil within the limitations as determined from the character of the soil or professional soil tests. All footings shall be supported on undisturbed natural soils or engineered fill.

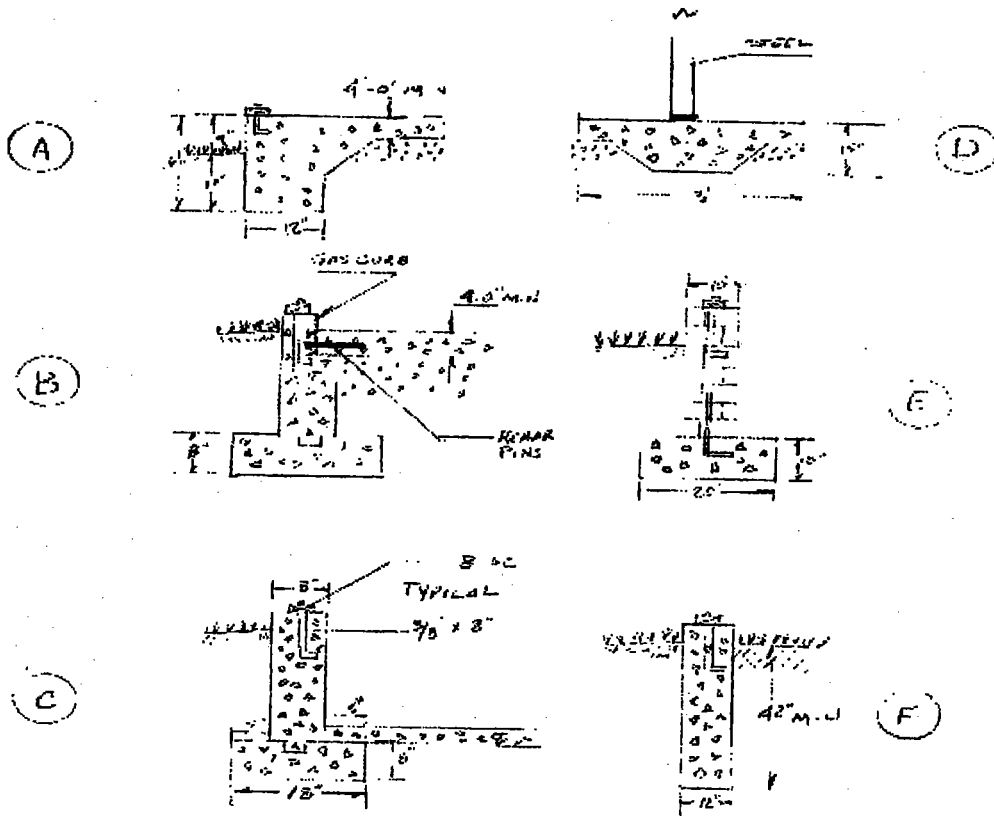
4. **Delete Section R 403.1.1 Minimum Size. Insert therefore:**

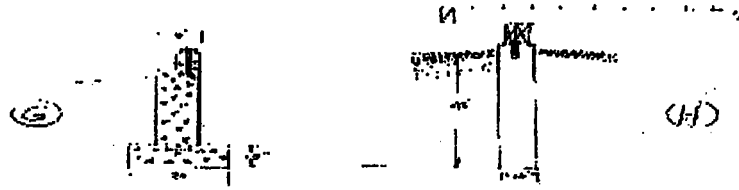
Minimum size. Minimum size for concrete and masonry footings shall be as Follows: Footing width shall be a minimum of twice the width of the wall it is supporting. Or a minimum of 18" which ever is greater. Unless soil conditions warrant a greater width or so designed and certified by a licensed design professional. Footing projections shall be equal to $\frac{1}{4}$ the width of the footing and the wall must fit center on the footing. Footing thickness shall be a minimum of 10 inches or the same depth as the wall thickness which ever is greater. See figure R403.1(1) for an illustration.

5. **Delete Table R403.1 minimum width of concrete or Masonry Footings (inches)**

6. **Delete Figure R403.1 (1) Concrete and Masonry foundation details Insert therefore:**

Figure R403.1 (1)
Concrete and Masonry Foundation Details





- A= Typical turned down garage slab.**
B= Typical Foundation Detail for Attached Garage with Gas Curb.
C= Typical Footing and Wall Detail.
D= Typical pier pad for lolly column in basement.
E= Typical footing and wall detail for masonry block wall.
F= Typical Trench Foundation.
G= Typical Wall and footing for brick façade home.
H= Typical post hole detail for deck.

Delete Section R404.2 Wood Foundation Walls

Delete Section R404.2.1 Identification

Delete Section R404.2.2 Stud Size

Delete Section R404.2.3 Height of Backfill

Delete Section R404.2.4 Backfilling

Delete Section R404.2.5 Drainage and Damp proofing

Delete Section R404.2.6 Fastening

Delete Section R405.2 Wood Foundations

Delete Section R405.2.1 Base

Delete Section R405.2.2 Vapor Retarded

Delete Section R405.2.3 Drainage System

Delete Section R406.3 Damp Proofing For Wood Foundation

17. **Delete R407.1 Wood column protection**

18. **Insert R408.3 Crawl Space Floor**

R408.4.1 Crawl Space Floor. A minimum of a two- (2) inch thick slush coat of poured concrete shall be installed over a minimum of four (4) inch stone in the crawl space. With a minimum of a six- (6) mil-thick polyethylene film moisture barrier with all joints lapped a minimum of six (6) inches.

**CHAPTER 5
FLOORS**

1. **Insert R502.1.4 Prefabricated wood I-joists.**

R502.1.4 Prefabricated Wood I Joists. When prefabricated wood I-Joists are used and there is usable space above and below a floor/ceiling assembly, the assembly shall be protected from fire impingement by one of the following:

1. The minimum application of one layer of 5/8 inch drywall and draftstopped per section 502.12 of the 2009 IRC.
2. The installation of an approved fire-sprinkler system.
3. **Delete Section 502.7.1 Bridging insert therefore.**

R502.7.1 Bridging. Joists shall be supported laterally by solid blocking or diagonal bridging (wood or metal) at intervals not exceeding 8 feet.

2. **Delete Section R502.11.4 Truss Design drawings. Insert therefore.**

R502.11.4 Truss Design drawings. Shall be submitted to and approved by the building Official prior to a permit being issued for the structure. Truss design drawings shall be provided with the shipment of trusses to the job site. These truss design drawings shall include, at a minimum, the information specified below.

1. Slope or depth, span, and spacing.
2. Location of all joints.
3. Required bearing widths.
4. Design loads as applicable.
 - 4.1 Top cord live load (including snow load)
 - 4.2 Top cord dead load
 - 4.3 Bottom cord live load
 - 4.4 Bottom cord dead load
 - 4.5 Concentrated loads and their points of application.
 - 4.6 Controlling wind and earthquake loads.
5. Adjustments to lumber and joint connector design values for conditions of use.
6. Each reaction force and direction.
7. Joint connector type and description (e.g., size, thickness, or gauge): and the dimensioned location of each joint connector except where symmetrically located relative to the joint interface.
8. Lumber size, species and grade for each member
9. Connection requirements for:
 - 9.1 Truss-to-truss girder
 - 9.2 Truss ply-to-ply
 - 9.3 Field splices.
10. Calculated deflection ratio and/or maximum description for live and total load.
11. Maximum axial compression forces in the truss members to enable the building designer to design the size, connections and anchorage of the permanent continuous lateral bracing. Forces shall be shown on the truss drawing or on supplemental documents.
12. Required permanent truss member bracing location.
13. Layout design.

6. Delete Section R504 Pressure preservatively treated-wood floors (on ground)

7. Delete Section R506.1 General. Insert therefore.

R506.1 General. Concrete slab-on-ground floors shall be a minimum 4 inches thick with a minimum of 6x6 welded wire fabric embedded in the mid cross section of the slab. The compressive strength of concrete shall be as set forth in section R402.2.

8. Add section R506.2.1.1 Back fill in garages (attached)

R506.2.1.1 Back-fill under concrete garage floor (attached), and front porch boxes. The sub-base for poured concrete Garage floors shall be undisturbed in organic soil. All fill materials shall be clean, graded sand, crushed stone or gravel. The use of any soils as fill material is prohibited. **In addition, flooring shall include** doweling # 4 rebar into the foundation wall a minimum of 4 inches extending into the garage floor area a minimum of 3 feet, placed 24 inches on center around the 3 walls forming the garage area.

9. **Insert Section 506.3 Garage floors:**

R506.3 Garage floors: All garage floors in attached garages shall be a minimum of 4 inches below the top of foundation effectively creating a gas curb. (see fig. 403.1 (1))

CHAPTER 6 WALL CONSTRUCTION

1. **Delete R602.2 Grade insert therefore.**

R602.2 Grade. Studs shall be a minimum No. 2, Standard or stud grade lumber.

2. **Delete Section R602.3.2 Top Plate EXCEPTION ONLY**

R602.5 Interior nonbearing walls. Interior nonbearing walls shall be permitted to be constructed with 2-inch-by-4-inch (51 mm by 102 mm) flat studs spaced at 16 inches (406 mm) on center. Interior nonbearing walls shall be capped with at least a single top plate. Interior nonbearing walls shall be fireblocked in accordance with Section R602.8.

R602.10.1.1 Braced wall panel construction methods. The construction of braced wall panels shall be in accordance with one of the following methods:

1. Nominally 1-inch-by-4-inch (25 mm by 102mm) contiguous diagonal braces let in to the top and bottom plates and the intervening studs or approved metal strap devices installed in accordance with the manufacturer's specifications. The let-in bracing shall be placed at an angle not more than 60 degrees (1.06 rad) or less than 45 degrees (0.79 rad) from the horizontal.

2. Wood boards of 5/8 inch (16 mm) net minimum thickness applied diagonally on studs spaces a maximum of 24 inches (610 mm). Diagonal boards shall be attached to studs in accordance with Table R602.3(1).

3. Wood structural panel sheathing with a thickness not less than 5/16 inch (8 mm) for 16-inch (406 mm) stud spacing and not less than 3/8 inch (9 mm) for 24-inch (610 mm) spacing. Wood structural panels shall be installed in accordance with Table R602.3(3).

CHAPTER 9 ROOF ASSEMBLIES

Delete Section R 905.2.7.1 Ice Protection. Insert therefore.

R905.2.7.1 Ice Protection. An ice Protection Barrier that consists of a self-adhering polymer modified bitumen sheet shall be used and extend from the eave's edge to a point at least 24 inches inside the exterior wall line of the structure. Exception to remain

CHAPTER 10 CHIMNEYS AND FIREPLACES

1. **Delete Section R 1003.9 Termination. Insert therefore:**

R1003.9 Termination. Chimneys shall extend at least 2 feet higher than any portion of a building within 10 feet, but shall not be less than 3 feet above the point where the chimney passes through the roof. All wood or solid fuel burning fireplaces and stoves shall be equipped with an approved/labeled spark arrester.

CHAPTER 11 ENERGY EFFICIENCY

15.20.030 Additions, insertions and changes.

The following sections are revised as follows:

Section N1101.2 Compliance. Compliance shall be demonstrated by meeting the requirements of this chapter. Climate zones from Figure N1102.2 or Table N1102.2 shall be used in determining the applicable requirements from this chapter.

CHAPTER 12 MECHANICAL ADMINISTRATION NO CHANGES

**CHAPTER 14
HEATING AND COOLING EQUIPMENT
NO CHANGES**

**CHAPTER 15
EXHAUST SYSTEMS**

Delete M1507.2 Insert Therefore:

M1507.2 Recirculation of air. Exhaust air from bathrooms and toilet rooms and laundry rooms not located in basement, shall not be recirculated within a residence or to another *dwelling unit* and shall be exhausted directly to the outdoors. Exhaust air from bathrooms and toilet rooms shall not discharge into an attic, crawl space or other area inside the building.

**CHAPTER 16
DUCT SYSTEMS**

1. **Insert M 1602.1.1 Return air vent.**

M 1602.1. Return air Vents. Return air vents connected to the heating and Cooling systems, shall be located in every habitable room of the home, except as prohibited in Section M1602.2

**CHAPTER 17
COMBUSTION AIR
NO CHANGES**

**CHAPTER 18
CHIMNEYS AND VENTS
NO CHANGES**

**CHAPTER 19
SPECIAL FUEL-BURNING EQUIPMENT
NO CHANGES**

**CHAPTER 20
BOILERS/WATER HEATERS
NO CHANGES**

Chapter 22
Special piping and storage systems

1. Delete chapter 22

Chapter 23
Solar Systems
No changes

Chapter 24
Fuel gas
No change

Chapter 25 through 28
No changes
Chapter 29

Delete P2903.10, insert therefore:

P2903.10. Hose bibb. Hose bibs subject to freezing, including the “frost proof” type, shall be equipped with an accessible stop-and-waste-type valve inside the building so that they can be controlled and/or drained during cold periods.

Delete P2904.1.1

CHAPTERS 30 THROUGH 32
NO CHANGES

THEREFORE: Adopt by reference the State of Illinois Plumbing Code and the following ordinance.

- Section3. Section 15.16.030 is hereby amended by adding the revisions as follows:
Section 890.1340.b.4 is changed to read as follows: No portion of the drainage system installed underground or below a basement or cellar shall be less than four (4) inches in diameter.”
Section 890.1500 (Installation of Wet Venting) is deleted in its entirety.
Section 890.1520 (Circuit and Loop Venting) in deleted in its entirety.
Section 890 Appendix A Table A, (Approved Building Drainage/Vent Pipe)
Delete Nos. 1 and 11.
Section 890 Appendix A, Table A (Approved Materials for Building Sewer)
Delete Nos. 1, 2, 5, and 7.
Section 890 Appendix A, Table A (Approved Materials for Water Service Pipe) is deleted in its entirety and replaced with: 3” + Larger-Class 52 Ductile Iron; and 2” + Smaller-Type K copper.
Section 890 Appendix A, Table A (Approved Materials for Water Distribution Pipe) is deleted in its entirety and replaced with: Above ground-Copper Type L or K; Solder to meet ASTM B 32-1966; Below ground-Type K Copper; and Galvanized Steel-Allowed for repair of existing galvanized system only.
Section 890.220 Insert: A safe pan shall be provided for water heater located above living area.

2. Insert 10-3B-4A. Wells And Water Supply:

1. **Mandatory Connection To City Water:** All buildings where people live, work or assemble shall be provided with a safe, potable, clean and adequate water supply. Connection to the city's water system must be made.

2. **Permits And General Requirements:**

a. No water supply system shall be constructed except in accordance with the following regulations, and unless a permit has first been obtained, as required in section 10-1-5 of this title, the fee for which shall include the final inspection of the installation.

b. Application for a permit shall be on forms prescribed by the building commissioner. (1975 Code Ann. A § 203; amd. 2003 Code)

CHAPTERS 33 through 42

ELECTRICAL

Delete Chapters 33 through 42. Insert therefore: Adopt by reference the 2008 edition, or the most Current Edition of the National Electrical Code published by the National Fire Protection Association 1 Batterymarch Park P.O.Box 9101 Quincy, Massachusetts 02269-9101.

2. **Delete Section E3502.1 Ampacity of ungrounded conductors. And Insert therefore:**

E3502.1 Minimum ampereage for One- or Two-Family Dwelling. All panel board installations for new single-family detached dwellings shall be a minimum of 200-ampere rated. The main service disconnecting means (circuit breaker or fused switch) shall be 200-ampere rated.

E3502.1.1 All Others. All panel board installations for new multi-family dwellings and new single-family attached [three (3) units or more] dwelling units shall be a minimum of 100-ampere rated. The main service disconnecting means (circuit breaker or fused switch) shall be a minimum 100-ampere rated.

E3502.1.2 Rating of Service Disconnecting Means. For all other installations, the service disconnecting means shall have a rating of not less than 60-ampere, unless approved for special circumstances requiring small disconnects.

Delete E3901.4.2 Insert therefore:

E3904.4.2 Island countertop spaces. At least one receptacle outlet shall be installed at each island countertop space with a long dimension 24 inches (610 mm) or greater and a short dimension of 12 inches (305mm) or greater. Greater than 60" requires two outlets.

DELETE ARTICLES 398, 394 AND 334

CHAPTER 43
REFERENCED STANDARDS ADOPT AS PRINTED

APPENDIX ADOPTION
ADOPT THE FOLLOWING APPENDICIES

Appendix A

Appendix B

Appendix C

Appendix D

Appendix F

1. Delete Figure AF102.

Appendix G

Appendix J

Appendix K

Appendix Q

1. Delete Appendix E and Appendix H and Appendix I, L, M, N, O, P