

ADDITIONS, DELETIONS AND AMENDMENTS

TO THE

INTERNATIONAL BUILDING CODE

2009

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The word “Add” preceding a provision of this section means that such provision is thereby added to and made part of the International Building Code/2009 as though fully set forth at the referenced section.

The word “Delete” preceding a provision of this section means that such provision deletes the referenced section from the International Building Code/2009.

The word “Amend” preceding a provision of this section means that such provision amends the reference section of the International Building Code to read as provided and that such provision is added to and made a part of such code as though fully set forth at the referenced number.

CHAPTER 1 ADMINISTRATION

AMEND: **101.1 Title.** These regulations shall be known as the Building Code of the City of Champaign, hereinafter referred to as “this code.”

AMEND: **101.4 Referenced Codes.** The other codes listed in sections 101.4.1 through 101.4.7 and referenced elsewhere in this code shall be considered part of the requirements of this code to the prescribed extent of each such reference. Where this code references the International Plumbing Code, it shall be substituted with the Illinois Plumbing Code as amended.

AMEND: **101.4.3 Plumbing.** The provisions of the Illinois Plumbing Code as amended shall apply to the installation, alteration, repair and replacement of plumbing systems, including equipment, appliances, fixtures, fittings and appurtenances, and where connected to a water or sewage system and all aspects of a medical gas system.

AMEND: **101.4.4 Property maintenance.** The provisions of the Property Maintenance Standards of the City of Champaign shall apply to existing structures and premises; equipment and facilities; light, ventilation, space heating, sanitation, life and fire safety hazards; responsibilities of owners, operators and occupants; and occupancy of existing premises and structures.

AMEND: **101.4.6 Energy.** The provisions of the Illinois Energy Conservation Code shall apply to all matters governing the design and construction of buildings for energy efficiency.

ADD: **101.4.7 Electrical.** The provisions of NFPA 70, National Electrical Code as amended shall apply to the installation, alterations, repairs, replacement of electrical systems including equipment, appliances, fixtures, fittings, and appurtenances thereto.

AMEND: **102.6 Existing structures.** The legal occupancy of any structure existing on the date of adoption of this code shall be permitted to continue without change, except as is specifically covered by this code, the Property Maintenance Standards of the City of Champaign and the International Fire Code, or as is deemed necessary by the Building Official for the general safety and welfare of the occupants and the public.

ADD: **102.7 Continuation of unlawful use.** The continuation of occupancy or use of a building or structure, or part thereof, contrary to the provisions of this code, shall be deemed a violation and subject to the penalties prescribed in Section 1-21 of the Municipal Code of Champaign, 1985, as amended and Section 113 of this code.

ADD: **102.8 Other regulations.** When the provisions of this code herein specified for health, safety, and welfare are more restrictive than other regulations, this code shall control; but in any case, the most restrictive requirement of either this code or other regulations shall apply whenever a conflict exists.

AMEND: **103.1 Creation of enforcement agency.** The Division of Building Safety is hereby created and the official in charge thereof shall be known as the building official and/or code official.

DELETE: **103.2 Appointment.**

ADD: **103.2 Restriction of employees.** An official or employee connected with the Building Safety Division, except one whose only connection is that of a member of the Code Review Committee or the Board of Appeals, shall not be engaged in or directly or indirectly connected with the furnishing of labor, material, or appliances for the construction, alteration, or maintenance of a building, or the preparation of plans or specifications thereof, unless that person is the owner of the building; nor shall such officer or employee engage in any work which conflicts with official duties or with the interest of the Division.

DELETE: **103.3 Deputies.**

AMEND: **105.1 Required.** Any owner or authorized agent who intends to construct, enlarge, alter, repair, move, demolish, or change the occupancy of a building or structure, relocate a property line which affects an existing structure, or to erect, install, enlarge, alter, repair, remove, convert or replace any electrical, gal, mechanical or plumbing system, the installation of which is regulated by this code, or to cause any such work to be done, shall first make application to obtain the required permit or approval by the building official.

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:

- AMEND:**
- 2. Fences
 - 12. Fabric awnings supported by an exterior wall that projects three feet or less.
 - 13. Movable cases, counters and partitions.

AMEND: **105.3.1 Action on application.** The building official shall examine or cause to be examined applications for permits and amendments thereto within a reasonable time after filing. If the application or the construction documents do not conform to the requirements of pertinent laws, the building official shall reject such application stating the reasons therefore. If the building official is satisfied that the proposed work conforms to the requirements of this code and laws and ordinances applicable thereto, the building official shall issue a permit therefore as soon as practicable.

ADD: **105.8 Demolition permit requirements.** Applications for demolition permits shall be in a form approved by the building official. No building or structure shall be demolished or removed without obtaining a demolition permit.

ADD: **105.8.1 Insurance required.** Every contractor applying for a demolition permit, except for a demolition contracted for with the City, shall submit with the permit application a certificate of general liability insurance which includes coverage for ultra-hazardous activities issued by a company licensed to do business within the State of Illinois in at least the following amounts:

- (a) \$300,000 -- bodily injury to any one person;
- (b) \$500,000 -- bodily injury for any one occurrence;

- (c) \$100,000 -- property damage;
- (d) Worker's Compensation—amount as required by State statute.

This insurance shall be a liability policy for coverage in connection with the demolition or removal.

Exception: Certificates of insurance submitted with an application to demolish a one-story structure of four hundred (400) square feet or less may be written in an amount satisfactory to the building official. When the contractor is demolishing a building or structure pursuant to a contract with the City, the contractor shall meet the requirements set out in Section 12.5-61 of the Municipal Code of Champaign 1985, as amended.

ADD: **105.8.2 Time of demolition.** The application shall state the time required to complete the demolition and upon approval by the building official, it shall be entered on the permit. The demolisher shall complete the demolition and the necessary work in connection with it within the specified time. Failure to complete the work within the specified time may subject the permit holder to the penalties set out in Section 1-21 of the Municipal Code of Champaign, 1985, as amended.

ADD: **105.8.3 Penalty for violations.** Any person, firm or corporation violating any of the provisions of the code or failing to comply with any order or notice of violation issued pursuant to any section thereof shall be subject to the penalties set out in Section 1-21 of the Municipal Code of Champaign, 1985, as amended.

ADD: **105.8.4 General demolition specifications.** All demolition work shall be carried out according to the following specifications:

ADD: **105.8.5 Extermination of vermin.** When deemed necessary by the building official, prior to demolition, a building or structure shall be fumigated or baited by methods acceptable to the building official.

ADD: **105.8.6 Safety precautions.** All applicable safety precautions prescribed in Chapter 33 of this code, as amended, shall be observed and the contractor shall provide and maintain all necessary safety devices at his or her expense for the duration of the work.

ADD: **105.8.7 Demolition methods.** When deemed necessary by the building official, plans and specifications describing the proposed method of demolition shall be submitted. The plans and specifications shall describe the proposed methods and shall be approved by the building official.

ADD: **105.8.8 Protection of exposed members.** The contractor shall protect the members of an abutting building which were exposed by the demolition with materials and methods acceptable to the building official. Backfilling against any exposed member shall not begin until such protection has been applied or installed and is accepted by the building official.

ADD: **105.8.9 Below-grade structures.** Non-common foundation walls and other below-grade structures shall be completely demolished and removed to a depth of 12 inches (12”) below finished grade. All materials shall be removed from basement or cellar cavities. Backfilling shall not begin until all putrescible materials have been removed, and the cavity has been inspected and accepted. Below grade basement or cellar walls of adjacent structures shall be damproofed or waterproofed in accordance with Section 1806 before backfilling.

Exception: One and Two Family Dwelling foundations and basement walls and floors shall be demolished and removed in their entirety.

ADD: **105.8.10 Backfill.** Backfill materials shall be clay, gravel, or sand or other material accepted by the building official. No wood, frozen materials, putrescibles or demolition materials shall be used for backfill. Backfill shall be placed in layers of approximately nine inches (9”) thickness and mechanically compacted. Mechanical compaction against foundation walls that are common to adjacent buildings or structures shall be completed in an approved manner.

ADD: **105.8.11 Finish grading.** After backfilling as described above, the contractor shall finish grade the demolition site. Finish grading shall be mounded approximately twelve (12) inches above existing grade in the center of the excavation unless the excavation abuts an existing building.

DELETE: **SECTION 106 – FLOOR AND ROOF DESIGN LOADS SIGNAGE**

AMEND: **107.2.1 Information on construction documents.** Construction documents shall be dimensioned and drawn upon suitable material. Electronic media documents are permitted to be submitted when approved by the building official. Construction documents shall be of sufficient clarity to indicate the location, nature and extent of the work proposed and show in detail that it will conform to the provisions of this code and relevant laws, ordinances, rules and regulations, as determined by the building official. Construction documents submitted to the building official should be sufficient to clearly show the project in its entirety with emphasis on the following:

1. The scope of the work
2. Building code compliance

3. Structural integrity
4. Life safety assurance
5. Architectural and environmental accessibility
6. Energy conservation

The minimum required technical submissions will depend upon the size, nature and complexity of the project; however, the following is the minimum standard recommended before the building official should begin the plan check review. Additions and remodeling projects and other buildings or structures may not require all of the following components for plan submittal and review for permit.

1. Drawings

(Some of the data may be included in other technical submissions such as specifications)

- a. Cover Sheets

- (1) Project shall be identified.
 - (2) Project address and a location map shall be shown.
 - (3) The Professional Design Firm(s) shall be identified.
 - (4) The principal design professional(s) for each Professional Design Firm shall be identified.
 - (5) All applicable codes utilized on the project shall be listed.
 - (6) Design criteria list shall include, but not be limited to:
 - (a) Occupancy group
 - (b) Type of construction
 - (c) Location of property
 - (d) Seismic zone
 - (e) Square footage and allowable area
 - (f) Fire sprinklers (when utilized)
 - (g) Height and number of stories
 - (h) Occupant load
 - (i) Land use zone
 - (j) Parking-loading requirements
 - (7) Index of all drawings shall be included.
 - (8) Seal(s) and signature(s) of responsible design professional(s) and indication as to which of the indexed drawings the seal applies, the expiration date of the license, and registration number of the Professional Design Firm, if applicable, shall be affixed.
 - (9) Other items required by the local enforcement agency shall be included.

- b. Property Survey

Show a plat of a property survey prepared by an Illinois Professional Land Surveyor locating all physical aspects,

dimensions, angles, boundaries, north arrow and scale, and other information necessary to locate the property including, as necessary, topographic data, identification of vegetation, public utilities, easements of record and other aspects such as existing buildings or structures and improvements. The Plat of Survey shall be certified and sealed by an Illinois Professional Land Surveyor.

c. Site Plan

Show proposed new structure and any existing buildings, structures or engineering works, all property lines with dimensions, all streets, easements and setbacks. Show applicable water, fire service, sewer, gas, communication, electrical including points of connection, proposed service routes and existing utilities on the site. Show all required parking, drainage and grading information (with reference to finish floor and adjacent streets). Indicate drainage inflow and outflow locations and specify areas required to be maintained for drainage purposes and storm water control. Show north arrow and scale. Provide flood plain information. Provide landscaping plan. Provide erosion control plan.

d. Foundation Plan

Show all foundations and footings, Indicate size, location, thick stresses, materials and strengths and locate reinforcing. Show all imbedded anchoring such as anchor bolts, holdowns, post bases, etc. Provide allowable design pressures or data utilized in design of footings of buildings supports. Provide soils report for the proposed structure at that site.

e. Floor Plan

Show all floors including basements. Show all rooms, with their use, finishes, overall dimensions, and locations of all structural elements and openings. Show all doors and windows, including door and window schedules, if applicable. All fire assemblies and area and occupancy separations shall be shown.

f. Means of egress

The construction documents shall show in sufficient detail the location, construction size and character of all portions of the means of egress in compliance with the provisions of this code. In other than occupancies in Groups R-3, as applicable in Section

101.2, R-2 and I-1, the construction documents shall designate the number of occupants to be accommodated on every floor, and in all rooms and spaces.

g. Floor and Roof Framing Plans

Show all structural members, their size, methods of attachment, location and materials for floors and roofs. Structural design shall consider static and dynamic loading and wind and seismic forces where applicable. All design loads and allowable stresses utilized shall be indicated. Show all roof and deck drainage systems.

h. Fire Protection

Show all fire protection of structural members and architectural elements and show, if applicable, industry recognized fire ratings assemblies.

i. Exterior Elevations

Show all views, all dimensions, referenced elevation, and all openings. Identify all materials and, where applicable, show the lateral bracing system. Show exterior wall opening analysis per floor.

j. Building Sections and Wall Sections

Show materials of construction and their assemblies. Show all pertinent dimensions. Show insulation requirements.

k. Mechanical System

Show the entire mechanical system. Include all equipment and devices, their sizes, structural supports, piping system, duct work and sizes, and temperature control systems. Indicate fire and/or smoke dampers where required. Provide equipment schedules.

l. Plumbing System

Show all fixtures, piping, slopes, materials and sizes. Show point of connections to utilities. Provide schematic diagrams as necessary for water supply and drainage systems.

m. Fire Protection System Shop Drawings

Shop drawings for the fire protection system(s) shall be submitted to indicate conformance with this code and the construction documents and shall be approved prior to the start of system installation. Shop drawings shall contain all information as required by the reference installation standards in Chapter 9.

n. Reflected Ceiling Plan

Show all electrical fixtures, diffusers and grills, sprinkler heads, and other required devices as applicable.

o. Electrical System

Show all power and lighting plans including all electrical fixtures and devices (interior, exterior and site), wiring sizes and circuiting, grounding, panel schedules, single line diagrams, and fixture schedules. Show all fire alarm, smoke detectors, and exit and emergency lighting as applicable. Show point of connection to utility.

p. Utility Openings

Show all utility openings in floors, walls and roofs, including fireblocking.

2. Structural Calculations

When required by the building official, provide structural calculations for the entire structural system of the project for both vertical and lateral loads. Sufficient input, output, design assumptions and other information should be submitted.

3. Specifications

Either on the drawings or in booklet form, further define components, materials, standards of construction, quality, and all pertinent equipment.

4. Addenda and Changes

The design professional(s) of record shall provide notification to the building official of any and all changes throughout the project and provide revised plans, calculations or other appropriate documents.

All revisions shall be identified and included on the technical submissions.

5. Quality Standards

It is the responsibility of the design professional(s) of record to provide and maintain complete, consistent and competent technical submissions. If the plans do not meet the criteria, the building official may take any of the following actions, when consistent with local ordinances and policies:

- (a) Provide a complete list of corrections for revision and resubmittal.
- (b) Increase the plan review fee for additional plan review time required due to lack of completeness.
- (c) Return plans without review.
- (d) Refer to the design professional(s) of record to the appropriate state board for possible disciplinary action.
- (e) Pursue other remedies provided by ordinance.

6. Sealing and Signing Plans and Specifications

By affixing the design professional's seal and signing the technical submissions, the design professional affirms that the technical submissions submitted to the building official for review and permit issuance have been prepared by or under the direct supervision and control of that licensed design professional and to the best of the design professional's knowledge and belief those documents comply with applicable laws, codes and ordinances.

DELETE: 107.2.5.1 Design flood elevations.

AMEND: 107.3.2 Previous approvals.

When a new code package has been adopted by the legislative body, this code shall not require changes in the construction documents, construction or designated occupancy of a structure for which a lawful permit has been applied for, issued, or otherwise lawfully authorized, and the construction of which has been pursued in good faith within 180 days after the effective date of this code and has not been abandoned.

AMEND: 107.3.4 Licensed design professional in responsible charge.

107.3.4.1 General. When new buildings or additions are 3 or more stories above grade and/or 1 or more stories below grade, the owner shall engage and designate a licensed design professional who shall act as the licensed design professional in responsible charge. When a building alteration is of

the magnitude or unusual design that it is deemed necessary, the building official shall be authorized to require the owner to engage and designate a licensed design professional who shall act as the licensed design professional in responsible charge. If the circumstances require, the owner shall designate a substitute licensed design professional in responsible charge who shall perform the duties required of the original licensed design professional in responsible charge. The building official shall be notified in writing by the owner if the licensed design professional in responsible charge is changed or is unable to continue to perform the duties.

The licensed design professional in responsible charge shall be responsible for reviewing and coordinating submittal documents prepared by others, including phased and deferred submittal items, for compatibility and potential spatial conflicts with the design of the building. Documents shall be stamped accordingly by the licensed design professional in responsible charge.

AMEND: **108.3 Temporary Power.** The building official is authorized to give permission to temporarily supply and use power in part of an electrical installation before such installation has been fully completed and approved. The approved part shall comply with the requirements specified for temporary lighting, heat or power in the currently adopted NEC.

AMEND: **109.2 Schedule of permit fees.** For plan examination, buildings, structures, electrical, gas, mechanical, plumbing, demolition, moving or other activities requiring a permit, a fee for each permit shall be paid as required in accordance with the schedules set out in Section 108.2.1 through and including 108.2.12

ADD: **109.2.1 Plan review fees.** The plan review fee applies to all plans for new construction, including additions and alterations. Plan review fees shall be non-refundable and shall be computed as follows:

Building Code Base	
Volume (Cubic Feet)	Plan Review Fee
Up to 20,000	\$ 160.00
20,001 - 40,000	210.00
40,001 - 60,000	270.00
60,001 - 80,000	330.00
80,001 - 100,000	380.00

100,101 - 150,000	435.00
150,001 - 200,000	495.00
150,001 - 200,000	495.00 plus \$6.00 for each 10,000 cubic feet over 200,000 cubic feet

Plan review fees for the following Use Groups shall be 1.5 times the fees from the table above:

- A. Assembly (A) over 49 occupancy load.
- B. Institutional (I).
- C. Mercantile Malls over 5,000 square feet.

Plan review fees shall be 1.5 times the computed fee above when an electrical, mechanical and/or plumbing review(s) is included.

Preliminary plan review and Footing and Foundation permit fees shall be 0.5 times the regular plan review fee and shall be separate from any subsequent plan review fee.

Alteration or remodeling plan review fees shall be charged on alteration or remodeling projects exceeding twenty thousand dollars (\$20,000) at the rate of 0.005 times the verified cost of the project.

In addition to the fees set out above, the building official may charge a fee for outside plan review services. Outside plan review services may be contracted for when the building official determines it is in the best interest of the City to do so and shall include, but not be limited to, the number or magnitude of projects, the complexity of a project, or the need for a second opinion.

ADD: **109.2.2 Building permit fees.** Building permit fees for all new construction except One & Two Family Dwellings shall be based on the Permit Fee Schedule as provided in Table 108.2.2 of this section as it is revised and published periodically by the International Building Code (IBC). The fee for a building permit for the construction of a new building or structure, including additions, shall be calculated by inputting into the Permit Fee Schedule the building gross square foot area X the square foot construction cost (Table 108.2.2) (revised and published periodically by IBC) X the permit fee multiplier (.0016, Set by local jurisdiction).

ADD: **109.2.2.1 Single family detached dwelling.** A building permit for a single family detached dwelling of less than twenty-five hundred (2,500) square feet shall cost three hundred forty-five dollars (\$345). A building permit for a single family detached dwelling with equal to or more than twenty-five hundred (2,500) square feet shall cost four hundred thirty-five dollars (\$435). The fee for an addition to a single family detached dwelling shall be computed at the rate of six dollars (\$6) per one thousand dollars (\$1,000) of the estimated cost, but not less than forty-five dollars (\$45). This shall not include the cost of electrical, heating, ventilating and air conditioning and plumbing work. Footing and Foundation permit fee shall be (\$100) and shall be separate from any subsequent fees.

ADD: **109.2.2.2 Two family dwellings.** A building permit for a two family dwelling of less than twenty-five hundred (2,500) square feet shall cost three hundred seventy-five dollars (\$375). A building permit for a two family dwelling with equal to or more than twenty-five hundred (2,500) square feet shall cost four hundred seventy dollars (\$470). The fee for an addition to a two family dwelling shall be computed at the rate of six dollars (\$6) per one thousand dollars (\$1,000) of the estimated cost but not less than forty-five dollars (\$45). This shall not include the cost of electrical, heating, ventilating and air conditioning and plumbing work. Footing and Foundation permit fee shall be (\$110) and shall be separate from any subsequent fees.

AMEND: **109.2.2.3 Tent permit.** A permit for the erection of a tent having a gross area of four hundred (400) square feet or more shall cost twenty-five dollars (\$25).

AMEND: **109.2.2.4 Utility and miscellaneous occupancies.** Except for a tent having a gross area of four (400) square feet or more, a permit for the erection of a building or structure classified as a Utility (U) occupancy shall cost a fee computed at the rate of six dollars (\$6) per one thousand dollars (\$1,000) of estimated costs, but not less than forty-five dollars (\$45).

AMEND: **109.2.2.5 Alteration/renovations/remodeling.** The fee for the alteration, renovation or remodeling of a building or structure shall be computed at the rate of six dollars (\$6) per one thousand dollars (\$1,000) of the estimated cost, but not less than forty-five dollars (\$45). This shall not include the cost of electrical, heating, ventilating and air conditioning and plumbing work.

AMEND: **109.2.3 Demolition.** The fee for a permit for the demolition of a building or structure other than a private detached garage shall be at the rate of nine dollars (\$9) per one thousand (\$1,000) of the cost of the demolition, but

not less than one hundred ten dollars (\$110). The fee for a demolition permit for a private detached garage shall be forty-five dollars (\$45).

AMEND: **109.2.4 Moving permits.** The fee for a permit for moving a building or structure into the City or within the City from one location to another shall be at the rate of three hundred seventy-five dollars (\$375) per day or part thereof the move requires plus those costs which the City incurs as the result of moving such a building or structure.

ADD: **109.2.5 Estimated cost.** The term “estimated cost” as used in this ordinance includes the cost of all services, labor, materials, use of scaffolding, and any other appliances or devices entering into and necessary to the prosecution and completion of the work to ready the building or structure for occupancy; provided, however, that the estimated cost shall exclude the cost of excavation or grading, and of painting, decorating or other work that is merely for embellishment and not necessary for the safe and lawful use of the building or structure.

ADD: **109.2.6 Work without a permit.** For all work commenced without a permit for which a permit is required, the fee shall be double the permit fee, and the work shall comply with all requirements of this code.

ADD: **109.2.7 Survey inspections.** A fee of seventy-five dollars (\$75) shall be charged for each inspector per inspection held at the request of an owner, potential purchaser or redeveloper for the purpose of determining the existence of code violations within or about any existing building or structure other than a single family home prior to its purchase, redevelopment, or change of occupancy or tenancy. The report shall be given verbally only to the owner, potential purchaser or redeveloper. The fee for the inspection shall be paid in advance of the survey inspection. A fee of fifty dollars (\$50) shall be charged for each inspector per inspection held at the request of a potential purchaser of a single family home.

AMEND: **109.2.8 Refunds.** No refund shall be made in the event of revocation of a permit or abandonment or discontinuance of a building project.

ADD: **109.2.9 Mechanical fee schedule.** The fees for mechanical permits shall be non-refundable and shall be based upon the contract price of the mechanical work being performed as determined by the following schedule:

- (1) HVAC Installations: Thirteen dollars (\$13.00) per one thousand dollars (\$1,000) of the contract price, but not less than fifty-five dollars (\$55.00).

- (2) Fire Suppression Systems: Thirteen dollars (\$13.00) per one thousand dollars (\$1,000) of the contract price, but not less than fifty-five dollars (\$55.00).
- (3) Refrigeration Equipment: Thirteen dollars (\$13.00) per one thousand dollars (\$1,000) of the contract price, but not less than fifty-five dollars (\$55.00).
- (4) Fireplaces/Wood Stoves: Forty-five dollars (\$45.00) per unit.

For any work commenced without a permit for which a permit is required, the fee shall be double the regular permit fee and all work shall be made to comply with the provisions of this Code.

ADD: 109.2.10 Electrical fee schedule. The fees for electrical permits shall be charged according to the following criteria and all fees shall be non-refundable.

ADD: 109.2.10.1 Minimum fee. The minimum fee for any electrical permit (including temporary services) shall be forty-five dollars (\$45.00).

ADD: 109.2.10.2 New residential service fees. All new residential services (excluding hotels, motels, rooming houses and dormitories) shall be assessed at the rate of seventy-five dollars (\$75.00) for the first dwelling unit and fifty dollars (\$50.00) for each additional dwelling unit.

ADD: 109.2.10.3 Other electrical permit fees. All other work (including residential work not involving a new service) shall be assessed at the rate of two and one-half percent (.025) of the estimated or contract cost of the job up to five thousand dollars (\$5,000.00); all amounts exceeding five thousand dollars (\$5,000.00) up to twenty-five thousand dollars (\$25,000.00) shall be assessed at the rate of one and one quarter percent (.0125) of the estimated or contract cost of the job; all amounts exceeding twenty-five thousand dollars (\$25,000.00) up to fifty thousand dollars (\$50,000.00) shall be assessed at a rate of two-thirds of one percent (.0063) of the estimated or contract cost of the job; all amounts exceeding fifty thousand dollars (\$50,000.00) shall be assessed at a rate of one-third of one percent (.0031) of the estimated or contract cost of the job.

A. Up to	\$ 5,000.00	x	.025
B. \$ 5001.00 to	\$25,000.00	x	.0125
C. \$ 25,001.00 to	\$50,000.00	x	.0063
D. \$ 50,001.00	and up	x	.0031

The permit fee shall cover all wiring complete with fixtures, devices and all associated equipment included as part of the estimated or contract cost of the job. The permit fee shall not cover or extend to the installation of devices and/or equipment furnished and installed by others.

The estimated or contract cost shall be the total cost of the job inclusive of all labor, materials, and over-head.

For any work commenced without a permit for which a permit is required, the fee shall be double the regular permit fee and all work shall be made to comply with the applicable provisions of the code.

ADD: **109.2.11 Plumbing fee schedule.** Fees for plumbing permits shall be charged at a per fixture rate computed from the following table and shall be non-refundable:

Water closet	\$ 12.00
Bathtub	12.00
Lavatory	12.00
Shower	12.00
Kitchen sink	12.00
Slop sink	12.00
Pair laundry trays	12.00
Dishwasher	12.00
Garbage disposer	12.00
Urinal	12.00
Floor drain	12.00
Clothes washer	12.00
Grease trap	12.00
Backflow preventer	12.00
Drinking fountain	12.00
Sump pump connection	12.00
Water heater	12.00
Water service connection	12.00
3 compartment sink	12.00
Prep sink	12.00
Oil interceptor	12.00

The minimum fee for any plumbing permit shall be forty-five dollars (\$45.00).

For any work commenced without a permit for which a permit is required, the fee shall be double the regular permit fee and all work shall be made to comply with the provisions of this code.

ADD: **109.2.12 Fire suppression systems.** Thirteen dollars (\$13.00) per one thousand dollars (\$1,000) of the contract price, but not less than fifty-five dollars (\$55.00). Exception: The fee for any system with five (5) or less heads shall be forty-five dollars (\$45.00).

For any work commenced without a permit for which a permit is required, the fee shall be double the regular permit fee and all work shall be made to comply with the provisions of this code.

DELETE: 110.3 through 110.3.10

ADD: **110.3 Required inspections.** After issuing permits, the building official shall conduct inspections from time to time as determined by the building official and upon completion of the work for which a permit has been issued. A record of all examinations and inspections and violations of this code shall be maintained by the building official. The owner shall provide for special inspections in accordance with section 110.3.1.

ADD: **110.3.1 Special professional services and inspections.** Where applications for unusual design or magnitude of construction are filed or where code reference standards in Chapter 35 require special architectural or engineering inspections, the building official is authorized to require full-time project representation by an architect or engineer. This project representative shall keep daily records and submit reports as required by the building official.

ADD: **110.3.2 Building permit requirement.** This special professional service requirement shall be determined prior to the issuance of the building permit and shall be a requisite for the permit issuance.

ADD: **110.3.3 Fees and costs.** All fees and costs related to the performance of special professional services shall be borne by the owner.

AMEND: **111.1 Use and occupancy.** No building or structure shall be used or occupied and no change in the existing occupancy classification of the building or structure or portion thereof shall be made until the building official has approved occupancy therefore as provided herein. Issuance of a certificate of occupancy shall not be construed as an approval of a violation of the provisions of this code or of other ordinances of the jurisdiction.

DELETE: 111.2 Certificate issued.

ADD: **111.2 Contents of certificate.** When a building or structure is entitled thereto, the building official shall issue a certificate of use and occupancy. The certificate shall certify compliance with the provisions of this code and the purpose for which the building or structure will be used in its several parts. The certificate of occupancy shall specify the use group, in accordance with Chapter 3; the type of construction as defined in Chapter 6; and any special stipulations and conditions of the building.

AMEND: **111.4 Revocation.** The building official is authorized to, in writing, suspend or revoke a certificate of occupancy or completion issued under the provisions of this code wherever the certificate is issued in error, or on the basis of incorrect information supplied, or where it is determined that the building or structure or portion thereof is in violation of any of the provisions of this code.

ADD: **111.5 Change in use and occupancy.** After a change in use has been made in a building or structure, the reestablishment of a prior use that would not have been legal in a new building of the same type of construction is prohibited unless the building complies with all applicable provisions of this code. A change from one prohibited use to another prohibited use shall be deemed a violation of this code.

AMEND: **112.3 Authority to disconnect service utilities.** The building official shall have the authority to authorize disconnection of utility service to the building, structure or system regulated by this code and the codes referenced in case of emergency where necessary to eliminate an immediate hazard to life or property. The building official shall notify the serving utility, and wherever possible the owner and occupant of the building, structure or service system of the decision to disconnect prior to taking such action. If not notified prior to disconnecting, the owner or occupant of the building, structure or service system shall be notified as soon as practical thereafter.

DELETE: **SECTION 113 – BOARD OF APPEALS**

ADD: **113.1 Appeals.** Pursuant to Section 2-441 through 2-447 of the Municipal Code of Champaign, 1985, as amended, the owner of a building or structure or any other aggrieved person may appeal in writing to the Code Enforcement Board of Appeals a decision of the building official refusing to issue a permit or grant a modification of the provisions of this code.

AMEND: **114.4 Violation penalties.** Any person, firm, or corporation violating any of the provisions of this code or failing to comply with any order issued pursuant to any section hereof shall be subject to the penalties set out in Section 1-21 of the Municipal Code of Champaign, 1985, as amended.

ADD: **114.5 Abatement of violation.** The imposition of the penalties set out in Section 1-21 of the Municipal Code of Champaign, 1985, as amended, shall not preclude the City Attorney from instituting appropriate action to prevent unlawful construction or to restrain, correct or abate a violation, or to prevent illegal occupancy of a building, structure or premises or to stop an illegal act, conduct, business or use of a building or structure on or about any premises.

AMEND: **115.2 Issuance.** The stop work order shall be in writing and shall be given to the owner of the property involved, or to the owner's agent, or to the person doing the work. Upon issuance of a stop work order, the cited work shall immediately cease. The stop work order shall state the reason for the order.

AMEND: **115.3 Unlawful continuance.** Any person, firm or corporation 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 the penalties set out in Section 1-21 of the Municipal Code of Champaign, 1985, as amended.

DELETE: **116.2 Record.**

ADD: **116.3.1 Disregard of unsafe notice.** Upon refusal or neglect of the person served with an unsafe notice to comply with the requirements of the order to abate the unsafe condition, the City Attorney may be advised of all the facts and may institute the appropriate action to compel compliance.

AMEND: **116.5 Restoration.** The structure or equipment determined to be unsafe by the building official is permitted to be restored to a safe condition. To the extent that repairs, alterations or additions are made or a change of occupancy occurs during the restoration of the structure, such repairs, alterations, additions or change of occupancy shall comply with the requirements of Section 105 and Chapter 34.

ADD: **SECTION 117 – EMERGENCY MEASURES**

ADD: **117.1 Imminent danger:** When, in the opinion of the building official, there is imminent danger of failure or collapse of a building or structure or any part thereof which endangers life, or when any structure or part of a structure has fallen and life is endangered by the occupation of the building or structure, the building official is hereby authorized and empowered to order and require the occupants to vacate the same forthwith. It shall be unlawful for any person to enter such structure except for the purpose of making the required repairs or of demolishing the same.

ADD: **117.2 Temporary safeguards.** When, in the opinion of the building official, there is actual and immediate danger of collapse or failure of a building or structure or any part thereof which would endanger life, the building official is empowered to cause the necessary work to be done to render such building or structure or part thereof temporarily safe, whether or not the legal procedure herein described has been instituted.

ADD: **117.3 Closing streets.** When necessary for the public safety, the building official shall temporarily close structures and close, or order the authority having jurisdiction to close, sidewalks, streets, *public ways* and places adjacent to unsafe structures, and prohibit the same from being used.

ADD: **117.4 Emergency repairs.** For the purposes of this section, the building official shall employ the necessary labor and materials to perform the required work as expeditiously as possible.

ADD: **117.5 Costs of emergency repairs or demolition.** Costs incurred in the performance of emergency work shall be paid from the treasure of the jurisdiction on certification of the building official.

- (a) The City shall bill the owner, occupant or person last named as having paid the property taxes for the cost of the emergency repairs or demolition. If the bill remains unpaid for thirty (30) days after it has been sent, the City Clerk shall file a notice of lien with the Champaign Country Recorder. Any notice of lien shall be filed within ninety (90) days after the cost and expense of the emergency repairs has been incurred. The Notice shall consist of a sworn statement setting out (1) a description of the real estate sufficient for identification thereof, (2) the amount of money representing the cost and expense incurred or payable for the service, and (3) the date or dates when such cost and expense was incurred by the municipality. However, the lien of such municipality shall not be valid as to any purchaser whose rights in and to such real estate have arisen subsequent to removal of the public nuisance and prior to the filing of such notice, and the lien of such municipality shall not be valid as to any mortgagee, judgment creditor or other lienor whose rights in and to such real estate arise prior to the filing of such notice. Upon payment of the cost and expense by the owner of or persons interested in such property after notice of lien has been filed, the lien shall be released by the City Attorney on behalf of the municipality or person in whose name the lien has been filed and the release may be filed or recorded as in the case of filing notice of lien.
- (b) Costs and expenses under this section include, but are not limited to, the actual costs and expenses in time of City employees and in materials concerning the actual demolition or emergency repairs pursuant to this section, transportation to and from the property, title searches or certifications, preparation of lien documents, foreclosure and other related reasonable attorney's expenses.
- (c) A copy of the notice of lien shall be mailed by the Clerk to the owner of the property, or to the occupant, or to the person or persons in

whose name such real estate was last billed for property tax purposes.

- (d) The real estate subject to a lien for such an unpaid assessment of such costs and expenses may be sold for non-payment thereof, and the proceeds of the sale applied to pay the charges, after deducting costs.
- (e) The City Attorney may institute proceedings in the name of the City in any court having jurisdiction over such matters against any property for which such costs and expenses have remained unpaid thirty (30) days after a statement of such costs and expenses have been mailed to the property owner, to the occupant, or to the person or persons in whose name the property was last billed for property tax purposes.
- (f) Upon payment of the costs and expenses, plus interest from the date thirty (30) days after the bill was sent after notice of lien has been filed, the Clerk shall file with the Recorder a release of the lien.

ADD: **117.6 Unsafe equipment.** Equipment deemed unsafe by the building official shall not be operated after the date stated in the notice unless the required repairs or changes have been made and the equipment has been approved, or unless an extension of time has been secured for the building official in *writing*.

117.6.1 Authority to seal equipment. In the case of an emergency, the building official shall have the authority to seal out of service immediately any unsafe device or equipment regulated by this code.

117.6.2 Unlawful to remove seal. Any device or equipment sealed out of service by the building official shall be plainly identified in an approved manner. The identification shall not be tampered with, defaced or removed except by the building official and shall indicate the reason for such sealing.

AMEND: **202 Definitions.**
Ambulatory Health Care Facility. Buildings or portions thereof used to provide medical, surgical, psychiatric, nursing, or similar care on less than a 24-hour basis to patients who are temporarily incapable of self-preservation. See Section 422.

AMEND: **Story Above Grade Plane. See Section 502.1**

ADD: **304.1.1 Definitions**
Ambulatory Health Care Facility. Buildings or portions thereof used to provide medical, surgical, psychiatric, nursing, or similar care on less than a 24-hour basis to patients who are temporarily incapable of self-preservation. See Section 422.

DELETE: **308.5.1 Adult care facility.**
Exception only.

CHAPTER 4

SPECIAL DETAIL REQUIREMENTS

BASED ON USE AND OCCUPANCY

AMEND: **403.3.2 Water supply to required fire pumps.** In buildings that are over 420 feet (128m) in building height, required fire pumps shall be supplied by two or more connections to water mains located a distance apart equal to not less than one-half of the length of the maximum overall diagonal dimension of the building. Separate supply piping shall be provided between each connection to the water mains and the pumps. Each connection and the supply piping between the connection and the pumps shall be sized to supply the flow and pressure required for the pumps to operate.

AMEND: **403.5.5 Luminous egress path markings.** Luminous egress path markings shall be provided in high-rise buildings greater than 120 feet in height in accordance with Section 1024.

AMEND: **404.6 Enclosure of atriums.**

Exception 1: A glass wall forming a smoke partition where automatic sprinklers are spaced 6 feet (1829 mm) or less along both sides of the separation wall, or on the room side only if there is not a walkway on the atrium side, and between 4 inches and 12 inches (102 mm and 305 mm) away from the glass and designed so that the entire surface of the glass is wet upon activation of the sprinkler system without obstruction. The glass shall be installed in a gasketed metal frame so that the framing system deflects without breaking (loading) the glass before the sprinkler system operates.

AMEND: **411.2 Definition.** The following word and term shall, for the purpose of this section and as used elsewhere in this code, have the meaning shown herein.

Special Amusement Building. A special amusement building is any permanent building or portion thereof that is occupied for amusement, entertainment or educational purposes and that contains a device or system

that conveys passengers or provides a walkway along, around or over a course in any direction so arranged that the means of egress path is not readily apparent due to visual or audio distractions or is intentionally confounded or is not readily available because of the nature of the attraction or mode of conveyance through the building or structure.

CHAPTER 5 GENERAL BUILDING HEIGHTS AND AREAS

DELETE: 502.1 Definitions.

Basement. A story that is not a story above grade plane (see “story above grade plans” in Section 202).

ADD: 502.1 Definitions.

Basement/Story Above Grade: Any story having its finished floor surface entirely above grade, except that a basement shall be considered as a story above grade where the finished floor surface is:

1. More than 6 feet (1829mm) above grade plane;
2. More than 6 feet (1829mm) above the finished ground level for more than 50% of the total building perimeter; or
3. More than 12 feet (3658mm) above the finished ground level at any point.

Each of the three criteria used by this definition is to be considered independently.

This criterion is not intended to allow the use of a berm or other landscaping technique to artificially reduce the number of stories above grade. When retaining walls are used as a means of changing grade plane, the lowest point for determining the referenced grade plan shall be the bottom of the wall at the adjacent lower undisturbed natural grade.

**AMEND: Table 508.2.5 Incidental Accessory Occupancies
Amend these sections only. Keep remainder as written.**

Furnace Room (any gas-fired appliance) – 1 hour or provide automatic fire-extinguishing system

Boiler Room – 1 hour or provide automatic fire-extinguishing system

ADD: Table 508.2.5 Exception 1: Furnaces installed in attic spaces shall be provided with an automatic sprinkler system that shall protect the area of the furnace including a three (3) foot area surrounding the furnace. Separation walls area are not required.

CHAPTER 6 TYPES OF CONSTRUCTION

AMEND: **SECTION 603 COMBUSTIBLE MATERIALS IN TYPE I, TYPE II AND TYPE III CONSTRUCTION.**

603.1 Allowable Materials. Combustible Materials shall be permitted in buildings of Type I, Type II, and Type III construction in the following applications and in accordance with sections 603.1.1 through 603.1.3: Applications 1 through 25 unamended.

CHAPTER 7 FIRE AND SMOKE PROTECTION FEATURES

AMEND: **704.13.5 Finished Condition.** The finished condition of SFRM applied to structural members or assemblies shall not, upon complete drying or curing, exhibit cracks, voids, spalls, delamination, or any exposure of the substrate. Surface irregularities of SFRM shall be deemed acceptable. The SFRM shall be manufacturer approved for the weather, humidity and exposure conditions encountered in the areas applied.

AMEND: **Section 712 Horizontal Assemblies**

712.1 General. Floor and roof assemblies required to have a fire-resistance rating shall comply with this section. Penetrations of nonfire-resistance-rated floor and roof assemblies shall comply with section 713.4.2. Nonfire-resistance-rated floor assemblies constructed of engineered joists of combustible construction shall be protected with minimum 1/2 inch gypsum sheathing or a sprinkler system.

AMEND: **716.5.3 Shaft enclosures: Exception 2. Item 2.3.** An exhaust fan is installed at the upper terminus of the shaft that is powered continuously in accordance with the provisions of Section 909.11, so as to maintain a continuous upward airflow to the outside or single individual ducts are continuous from the appliance or unit to the upper terminus of the shaft.

AMEND: **717.1 General.** Fireblocking and draftstopping shall be installed in concealed locations in accordance with this section. Fireblocking shall comply with Section 717.2 Draftstopping shall comply with 717.3 and 717.4. The permitted use of combustible materials in concealed spaces of noncombustible buildings shall be limited to the applications indicated in Section 717.5

AMEND: **717.2 Fireblocking.** In combustible construction, fireblocking shall be installed to cut off concealed openings (both vertical and horizontal) and shall form an effective barrier between floors, between a top story and a

roof or attic space. The fireblocking shall be installed in the locations specified in Sections 717.2.2 through 717.2.7. In noncombustible construction, fireblocking shall consist of noncombustible materials as specified in Section 703.4 to form an effective barrier between floors and between a top story and a roof or attic space.

CHAPTER 8 NO AMENDMENTS

CHAPTER 9 FIRE PROTECTION SYSTEMS

AMEND: **903.3.1.1.1 Exempt locations.**

#3. Generator, transformer, switchgear, and elevator equipment rooms used exclusively for such equipment separated from the remainder of the building by walls and floor/ceiling or roof/ceiling assemblies having a fire-resistance rating of not less than 2 hours. Storage is prohibited in such rooms.

ADD: **903.3.1.2.1 Balconies and decks.**

Exception: Exterior balconies, decks, ground floor patios, and roofs above that are of noncombustible construction.

ADD: **903.3.7 Fire department connections.** The location of fire department connections shall be approved by the building official. Fire department connections are not required for systems having 20 sprinklers or less.

AMEND: **906.1 Portable Fire Extinguishers -Where required.** Portable fire extinguishers shall be installed in the following locations:

1. In new and existing Group A, B, E, F, H, I, M, R-1, R-2, R-4 and S occupancies.

Exception: In new and existing Group A, B and E occupancies equipped throughout with quick response sprinklers, portable fire extinguishers shall be required only in locations specified in Items 2 through 7.

2. In Residential Group R-2, portable fire extinguishers shall be installed in the following hazardous areas only: boiler and fuel-fired heater rooms serving more than a single dwelling unit; laundries greater than 100 square feet and outside of dwelling units; storage rooms greater than 100 square feet; and trash collection rooms or maintenance shops greater than 100 square feet.

3. Within 30 feet (9144 mm) of commercial cooking equipment.
4. In areas where flammable or combustible liquids are stored, used or dispensed.
5. On each floor of structures under construction, except Group R-3 occupancies, in accordance with Section 1415.1. of the International Fire Code.
6. Where required by the International Fire Code sections indicated in Table 906.1.
7. Special-hazard areas, including but not limited to laboratories, computer rooms and generator rooms, where required by the code official.

AMEND: **907.4.2.5 Protective covers.** In Use Groups R-1 and R-2, manual fire alarm pull stations shall be provided with listed protective covers that deter accidental or malicious false alarms. The protective cover shall be transparent or red in color with a transparent face to permit visibility of the manual fire alarm box. Each cover shall include proper operating instructions. Such devices shall be readily operable without the use of a key, special knowledge or effort.

DELETE: **907.5.2.3.2 Employee Work Areas.**

DELETE: **907.5.2.3.3 Groups I-1 and R-1.**

DELETE: **907.5.2.3.4 Group R-2.**

DELETE: **Table 907.5.2.3.3 Visible Alarms.**

CHAPTER 10 MEANS OF EGRESS

AMEND: **1003.5 Elevation change.**

Exception

2. A stair with a single riser or with two risers and a tread is permitted at locations not required to be accessible by Chapter 11, provided that the risers and treads comply with Section 1009.4, the minimum depth of the tread is 13 inches (330 mm), and at least one handrail complying with Section 1012 is provided within 30 inches (762 mm) of the centerline of the normal path of egress travel on the stair or the floor finish material of treads shall contrast with the adjacent floor finish material.

AMEND: 1006.3 Illumination emergency power.

Item 5. Exterior landings as required by 1008.1.6 that have 1 or more risers for exit discharge doorways in buildings required to have two or more exits.

DELETE: 1007 Accessible means of egress.

ADD: 1007 Accessible means of egress. Accessible means of egress shall be provided in accordance with Chapter 11, Illinois Accessibility Code.

DELETE: 1008.1.1 Size of doors. Exception 8.

DELETE: 1008.1.9.3 Locks and latches. Exception 2.

AMEND 1008.1.10 Panic and fire exit hardware. Doors serving a Group H occupancy and doors serving rooms or spaces with an occupant load of 50 or more in a Group A or E occupancy shall not be provided with a latch or lock unless it is panic hardware or fire exit hardware.

Electrical room egress doors that are up to 25 feet from the nearest edge of the working space shall be equipped with panic hardware or fire exit hardware and shall swing in the direction of egress travel.

AMEND: 1009.13 Stairway to roof. In buildings four or more stories above grade plane, one stairway shall extend to the roof surface, unless the roof has a slope steeper than four units vertical in 12 units horizontal (33-percent slope). In buildings without an occupied roof, access to the roof from the top story shall be permitted to be by an alternating tread device or a permanent ladder installed in accordance with Section 306.5 of the International Mechanical Code.

DELETE: 1011.3 Tactile Exit Signs.

AMEND: 1013.2 Height. Required guards shall be not less than 42 inches (1067 mm) high, measured vertically above the adjacent walking surfaces or the line connecting the leading edges of the treads.
Exceptions remain as written.

AMEND: 1014.2 Egress through intervening spaces.

Item 4. Exception 2. Item 2.4

There is a demarcated, minimum 44-inch-wide (1118 mm) aisle defined by full height or minimum 36-inch-height (914 mm) fixed walls or permanently affixed metal guardrail that will maintain the required width and lead directly from the retail area to the exit without obstructions.

ADD: 1021.1 Exits from stories.

Exception 6. Private balconies and occupied roof decks in R occupancies are permitted to egress through the dwelling or sleeping unit when complying with all the following:

1. Common path of egress travel distance meets Section 1014.3.
2. Balcony and roof deck square feet area is no greater than one-half the gross square feet area of the individual dwelling unit.
3. All areas of the balcony and roof deck are visible from the access door.
4. Individual balconies and roof decks shall be separated from the adjoining roof area and from each other by permanent walls or guards complying with Section 1013. Doors or gates in the guards or walls are prohibited.

ADD: 1022.1 Enclosure required.

Exception 8. Stairways complying with Section 1016.1 Travel Distance Limitations, exceptions 3 or 4 are not required to be enclosed.

ADD: 1022.7 Discharge identification.

Exception: In buildings three stories and less above or below the level of exit discharge, a physical barrier is not required provided adequate visual discharge identification is provided. Visual identification shall consist of floor number signs, exit signs, and glass exit discharge doors, or other arrangements of visual identification approved by the building official.

AMEND: 1022.8 Floor identification signs. A sign shall be provided at each floor landing in exit enclosures connecting more than three stories designating the floor level, the terminus of the top and bottom of the exit enclosure and the color code identification of the stair or ramp. The signage shall also state the story of, and the direction to the exit discharge and the availability of roof access from the enclosure for the fire department. The sign shall be located inside the exit enclosure, centered 5 feet (1524 mm) above the floor landing in a position that is readily visible when the doors are in the open and closed positions. An additional sign stating the floor number and stair color shall be located on the occupant side of the exit enclosure. Signage shall meet the requirements set forth by the current Illinois Accessibility Code.

1022.8.1 Signage requirements. Stairway identification signs shall comply with all the following requirements:

1. The signs shall be a minimum size of 18 inches (457mm) by 12 inches (305mm).

2. The letters designating the identification of the stair enclosure shall be a minimum 1½ inches (38mm) in height.
3. The number designating the floor level shall be a minimum of 5 inches (127 mm) in height with a stroke width of 0.5 inch (12.7mm) and located in the center of the sign.
4. All other numbers and letters shall be 1 inch high (25.4mm).
5. Characters and their background shall have a nonglare finish. Characters shall contrast with their background.
6. The stairway identification sign shall have an indentifying background color; Red, Green, Yellow, Blue, and White and colors listed shall run clockwise starting at the address side of the building as approved by the Fire Department. The background color shall be written on the sign.
7. When signs required by section 1022.8 are installed in interior exit enclosures of buildings subject to section 1024, the signs shall be made of the same material as required by Section 1024.4.

AMEND: **1024.1 General.** Approved luminous egress markings delineating the exit path shall be provided in buildings of Groups A, B, E, I, M, and R-1 having occupied floors located more than 120 feet above the lowest level of fire department vehicle access in accordance with Sections 1024.1 through 1024.5.
 Exceptions remain.

ADD: **SECTION 1030 STANDARDS FOR SECURITY OF R1, R2, R3, and R4 OCCUPANCIES**

ADD: **1030.1 Definition of “exterior”.** When used in Section 1028 of this code and in the subsections of Section 1028, the word “exterior” shall refer to that portion of a building or structure that provides access from the outside of the building or structure, or a part thereof. Exterior includes but is not limited to those portions of individual dwelling units constructed in a common building or structure which are accessible to persons not residing within that particular dwelling unit. This definition also includes doors leading from garage areas into individual residential dwellings.

ADD: **1030.2 Wing doors to individual dwellings units.** All swinging exterior doors to individual dwelling units shall comply with the following requirements:

- ADD:** **1030.2.1 Doors to swing inward.** Single doors to individual dwelling units shall swing inward and meet the following additional security standards.
Exception: Private balconies/patios with approved security hinges may swing outward and shall meet the following additional security standards.
- ADD:** **1030.2.2 Wood doors.** Wood doors shall be of a solid core construction with a minimum thickness of one and three-quarters inches (1 ¾”) and shall be secured with a single cylinder deadbolt with a minimum throw of one inch (1”) which penetrates the strike not less than three-quarters of an inch (¾”). Deadbolts shall contain hardened material.
- ADD:** **1030.2.3 Metal doors.** Metal doors may be installed and used provided they are secured in the manner described in Subsections 1028.2.1 and 1028.2.2 where such doors have a minimum thickness of one and three-quarters inches (1 ¾”) and which are properly reinforced or which contain wood stiles at least four inches (4”) wide and fourteen inches (14”) long in the area inside the door where the locking device shall be installed.
- ADD:** **1030.2.4 Glazing.** Except in one & two family residential occupancies (Use Group R-3 and R-4) if an exterior door or adjacent wall contains glazing within forty inches (40”) of the locking mechanism, at least one of the following alternatives is required:
1. The glazing shall be of break resistant material approved by the building official. Safety, polycarbonate, acrylic, etc.
 2. A grillwork shall be installed on the inward side, designed to prevent reaching through to deactivate the locking mechanism.
 3. A permanent, hard-wired alarm system shall be installed, designed to detect glazing breakage.
- ADD:** **1030.2.5 View finders.** View finders shall be installed in all exterior doors to individual dwelling units. View finders shall be located not less than four feet, six inches (4’6”) nor more than five feet (5’) above the threshold of the door.
- ADD:** **1030.3 Double doors.** With double doors, the active leaf shall be secured with the type of lock required for single doors as in subsection 1028.2. The inactive leaf shall be equipped with surface or flush bolts protected by hardened material with a minimum throw of five-eighths inch (5/8”) at the head and foot of the door. Multiple point locks which are cylinder-activated from the active leaf and which comply with subsection 1028.2.1 and the requirements set out in this section may be used in lieu of flush bolts.

- ADD:** **1030.4 Protection of cylinders.** Cylinders shall be designed or protected so that they cannot be gripped by pliers or other wrenching devices.
- ADD:** **1030.5 Reinforced jambs:** Exterior door jambs shall be reinforced at the point where the required lock engages the jamb and where hinges are attached.
- ADD:** **1030.6 Strike plates.** Strike plates shall be firmly secured with a minimum of two screws having minimum length of two and one-half inches (2 ½"). Screws shall penetrate solid blocking behind the jamb. In other than wood construction, manufacturer's recommendations shall be followed.
- ADD:** **1030.7 Numbers and/or letters on locking devices.** Locking devices and parts thereof shall not bear any numbers or letters which may reveal a combination from which a key or similar control device could be fashioned and which could deactivate the locking device.
- ADD:** **1030.8 Exterior sliding doors (patio type).** All sliding doors opening onto patios or balconies which are less than one (1) story above grade or otherwise accessible from the outside shall comply with the following requirements.
- ADD:** **1030.8.1 Single slide panel to be inside.** Except as provided in Subsection 1027.8.4, all single sliding doors shall have the moveable panel of the door sliding on the inside of the fixed portion of the doors.
- ADD:** **1030.8.2 Deadbolt locks to be provided.** Deadbolt locks meeting the following criteria shall be installed on all sliding doors:
- (a) If operable from the outside, the lock shall be activated by a key utilizing a cylinder of pin tumbler construction.
 - (b) Mounting screws for the lock shall be inaccessible from the outside.
 - (c) Lock bolts shall be hardened steel or have hardened steel inserts.
 - (d) The lock bolt shall engage the strike sufficiently to prevent its being disengaged by any possible movement of the door within the clearance provided for installation and operation.
 - (e) The strike area shall be reinforced to maintain effectiveness of bolt strength.
 - (f) The strike plate shall be secured by screws having a minimum length of two and one-half inches (2 ½").
- ADD:** **1030.8.3 Double sliding doors.** Double sliding doors must be capable of being locked at the meeting rail and comply with the locking requirements as specified in Subsection 1028.3.

- ADD:** **1030.8.4 Alternate methods.** Alternate methods for securing doors with moveable panels sliding on the outside of the fixed panel must be acceptable to the building official.
- ADD:** **1030.9 Other exterior doors.** Exterior doors or inside garage doors leading to common areas of R-1 or R-2 occupancies and having outside hinge pins shall be secured by a minimum of two (2) safety hinge studs or hinges having nonremovable hinge pins, one placed above and the other below the center of any locking devices.
- ADD:** **1030.9.1 Key limitation.** The keys to any locking device provided on an exterior door or an inside garage door leading to common areas shall not be capable of activating the locking device of more than one (1) individual dwelling unit within the complex.
- ADD:** **1030.10 Parking facilities.** All garage doors to parking facilities under, within the perimeter walls of, or attached to any R-1 or R-2 occupancy and which connect with the unit, shall be provided with a locking device of one or more of the following types: throw-bolt, flushbolt, deadbolt, cylinder-type lock, or an electronic power operated mechanism with automatic locking capabilities. Egress doors from garage area shall comply with Sec.1008.
- ADD:** **1030.11 Exterior windows.** All exterior windows less than twelve feet (12') above grade or any other accessible exterior level shall comply with the following requirements.
- ADD:** **1030.11.1 Window construction.** Windows shall be so constructed such that they cannot be lifted from their frames when locked.
- ADD:** **1030.11.2 Windows to have locking devices.** All windows referenced in Subsection 1028.11 shall be equipped with a locking device capable of withstanding reasonable force when fully engaged.
- ADD:** **1030.11.3 Louvered windows.** Louvered windows with removable glass or windows which can be manually maneuvered from the exterior shall not be permitted.

CHAPTER 11 ACCESSIBILITY

- DELETE:** **All of Chapter 11 Accessibility and Substitute a new Chapter 11 Accessibility, therefore as follows:**
- ADD:** **CHAPTER 11 - ACCESSIBILITY**
- ADD:** **1101.0 General.**

ADD: **1101.1 Scope.** The provisions of this chapter shall apply to all buildings and portions thereof as required by the Illinois Accessibility Code, and this code as amended.

ADD: **1102.0 Applicability.**

ADD: **1102.1 Where required.** In addition to the provisions of the Illinois Accessibility Code, the requirements of this section shall apply to Residential Group R-2, buildings as defined by Section 310 consisting of four or more dwelling units.

Exception: Residential occupancies in which each unit has an independent exit.

ADD: **1102.2 Number of dwelling units required.** Buildings of Residential Group R-2, shall be accessible in accordance with items 1 through 5 below. In multiple building complexes, the total number of dwelling units required shall be determined by considering the multiple buildings to be one building. The adaptable dwelling units shall be proportionately distributed throughout all types of units and locations. The adaptable units within a building shall provide equal area and number of rooms and shall provide the same design elements.

1. The building shall have at least one accessible floor level and an accessible route to such levels.
2. The building shall have a minimum 10% of the total building dwelling units, but not less than two, as adaptable units.
3. All dwelling units on the accessible floor level shall be adaptable.
4. If a building elevator is provided as a means of access to dwelling units other than dwelling units on the accessible floor level, then the elevator shall provide accessibility to all floor levels and all dwelling units shall be adaptable.
5. When the accessible floor level contains parking spaces within the building perimeter adjacent to the dwelling units the following requirements shall apply:
 - A. The common walls between the parking area and the dwelling units shall have a sound transmission rating of not less than 55 for airborne noise when tested in accordance with ASTM E90.

Exception: Designs that incorporate an access corridor between the dwelling unit and the parking area separation wall shall have a sound transmission rating of not less than 50 (45 if field tested) for the dwelling unit wall.

- B. The accessible route to the adaptable dwelling units shall provide the same weather protection characteristics of the route to other dwelling units.
- C. All design elements provided to the non-adaptable dwelling units shall also be provided to the adaptable dwelling units.
- D. Adaptable dwelling units shall be placed in a manner that will locate a minimum of two (2) units together.
- E. Doors from the parking are shall not be permitted to open directly into a dwelling unit.

ADD: **1102.3 Common use areas.** All public and common use rooms and facilities shall be fully accessible.

ADD: **1103.0 Accessible buildings and facilities.** Buildings, facilities and dwelling units required to be accessible or adaptable by this section shall comply with the Illinois Accessibility Code.

CHAPTER 12 INTERIOR ENVIRONMENT

DELETE: **1210.5 Toilet rooms.**

CHAPTER 13 ENERGY EFFICIENCY

AMEND: **1301.1 Scope.** All buildings and structures shall be designed and constructed to meet the Illinois Energy Conservation Code.

CHAPTER 14 EXTERIOR WALLS

AMEND: **1405.3 Vapor retarders.** Class I or Class II vapor retarders are required on the interior side of frame walls in Zones 5, 6, 7, 8, and Marine 4. Class I and/or Class II vapor retarders are not permitted on both the interior and the exterior sides of frame walls.

Exceptions:

1. Basement walls.
2. Below grade portion of any wall.
3. Construction where moisture or its freezing will not damage the materials.

DELETE: **Table 1405.3.1**
ZONE 5 Vented cladding over OSB
Vented cladding over plywood
Vented cladding over fiberboard
Vented cladding over gypsum

AMEND: **1406.3 Balconies and similar appendages.** All balconies, porches, decks, exterior stairways and similar projections and their roofs above attached to or supported by buildings of types I and II construction shall be constructed of approved noncombustible materials. Such appendages attached to or supported by buildings of types III, IV and V construction shall be of either noncombustible or combustible construction. Combustible appendages shall be provided with sprinkler protection.

Exception 1: Combustible material is permitted for pickets and rails, or similar guardrail devices which are limited to 42 inches (1067mm) in height.

Exception 2: Existing combustible appendages may be rebuilt with fire-retardant treated lumber approved for exterior use and sealed with durable waterproofing material.

CHAPTER 15

ROOF ASSEMBLIES AND ROOFTOP STRUCTURES

No Amendments

CHAPTER 16

STRUCTURAL DESIGN

AMEND: **Table 1607.1 Minimum Uniformly Distributed Live Load and Minimum Concentrated Live Loads**

5. Balconies and decks n	100 psf
On 1&2 Family dwellings not exceeding 100 sq. ft.	60 psf

CHAPTER 17

STRUCTURAL TESTS AND SPECIAL INSPECTIONS

DELETE: **SECTION 1704 through 1715 – SPECIAL INSPECTIONS**

CHAPTER 18

SOILS AND FOUNDATIONS

AMEND **1807.1.4 Wood foundations.** Wood foundations are prohibited.

AMEND **1808.6.2 Slab-on ground foundations.** Moments, shears and deflections for use in designing slab-on-ground, mat or raft foundations on expansive soils shall be determined in accordance with *WRI/CRSI Design of Slab-on-Ground Foundations* or *PTI Standard Requirements for Analysis of Shallow Concrete Foundations on Expansive Soils*. Using the moments, shears and deflections determined above, nonprestressed slabs-on-ground, mat or raft foundations on expansive soils shall be designed in accordance with *WRI/CRSI Design of Slab-on-Ground Foundations* and post-tensioned slab-on-ground, mat or raft foundations on expansive soils shall be designed in accordance with *PTI Standard Requirements for Design of Shallow Post-Tensioned Concrete Foundations on Expansive Soils*. It shall be permitted to analyze and design such slabs by other methods that account for soil-structure interaction, the deformed shape of the soil support, the plate or stiffened plate action of the slab as well as both center lift and edge lift conditions. Such alternative methods shall be rational and the basis for all aspects and parameters of the method shall be available for peer view. Slab-on-grade foundations shall comply with Section 1805.2.1 Frost protection.

AMEND **1809.12 Timber footings.** Timber footings are prohibited.

CHAPTER 19 CONCRETE

ADD: **1907.9.1 Connection protection.** Steel connections between cast-in-place or precast concrete elements, when designed as a permanent structural connection and exposed to earth, shall be protected from corrosion by flowable grout or other approved means.

DELETE: **SECTION 1908 Modifications to ACI 318**

CHAPTER 20 ALUMINUM

No Amendments

CHAPTER 21 MASONRY

No Amendments

CHAPTER 22 STEEL

No Amendments

**CHAPTER 23
WOOD**

No Amendments

**CHAPTER 24
GLASS AND GLAZING**

No Amendments

**CHAPTER 25
GYPSUM BOARD AND PLASTER**

No Amendments

**CHAPTER 26
PLASTIC**

AMEND/ADD: 2603.4.1.6 Attics and crawlspaces.

Exception: When a crawlspace is not used for any other purpose, there is no air communication between crawlspace and occupied spaces, and there are no mechanical appliances present, a thermal barrier is not required within such crawl space.

**CHAPTER 27
ELECTRICAL SYSTEMS**

No Amendments

**CHAPTER 28
MECHANICAL SYSTEMS**

No Amendments

DELETE: CHAPTER 29 – PLUMBING SYSTEMS – in its entirety

ADD: CHAPTER 29 – PLUMBING SYSTEMS

2901.1 Scope. Plumbing systems and equipment shall be constructed, installed and maintained in accordance with the Illinois Plumbing Code.

**CHAPTER 30
ELEVATORS AND CONVEYING SYSTEMS**

AMEND: **3001.1 Scope.** This chapter governs the design, construction, installation, alteration and repair of elevators and conveying systems and their components. All elevator installations shall comply with Illinois Public Act 92-0873, the Elevator Safety and Regulation Act.

AMEND: **3001.3 Accessibility.** Passenger elevators required to be accessible by Chapter 11 shall conform to the Illinois Accessibility Code.

CHAPTER 31 SPECIAL CONSTRUCTION

ADD: **3109.3.1 Permit required.** Public swimming pools shall be designed and constructed in conformance with the Illinois Department of Public Health, Illinois Swimming Pool and Bathing Beach Code. Approved plans and a copy of the State of Illinois Swimming Pool Permit shall be provided to the building official prior to issuance of the building permit.

AMEND: **3109.4 Residential swimming pools.** Residential swimming pools shall comply with Sections 3109.4.1 through 3109.4.3. In-ground pools shall be designed and constructed in conformance with ANSI/NSPI-5. Above ground pools shall be designed and constructed in conformance with ANSI/NSPI-4.

CHAPTER 32 ENCHROACHMENTS OF RIGHT OF WAY No Amendments

CHAPTER 33 SAFEGUARDS DURING CONSTRUCTION No Amendments

DELETE: **CHAPTER 34 EXISTING STRUCTURES – in its entirety**

ADD: **CHAPTER 34 REPAIR, ALTERATION, ADDITION, AND CHANGE OF USE OF EXISTING STRUCTURES**

SECTION 3400.0 – SCOPE

3400.1 General. The intent of these provisions is to provide for the public safety, health and general welfare by permitting repair or alteration of, additions to, and change of use of, existing buildings and structures or parts thereof without requiring the existing building or structure or parts thereof to comply with all of the requirements of this code for new construction except where otherwise specified in this chapter. This

chapter is not intended to prevent conformance with the requirements of this code for new construction.

NOTE: Specialized codes, rules, regulations and laws pertaining to repair, alteration, addition or change of use of existing structures promulgated by the various authorized agencies may impact upon the provisions of this chapter.

SECTION 3401.0 – DEFINITION

3401.1 General. Definitions shall be construed as being the same as defined in Chapter 2 of this code as amended except as follows:

Building System: Any mechanical, electrical, structural, egress or fire protection system.

Existing Building or Structure: Any completed building or structure.

Hazard Index: The rating of a use group for relative hazard as listed in Table 3403 - Hazard Index.

SECTION 3402.0 – APPLICATION

3402.1 General. Where there are no specific provisions in this chapter applying to the repair, alteration of, additions to, and changes of use of any existing building or structure or part thereof, then such building or part thereof shall be made to comply with the pertinent provisions of this code or applicable chapter for existing buildings or structures per the International Fire Code and Property Maintenance Standards of the City of Champaign.

The provisions of this chapter shall apply to existing buildings and structures which have been occupied and/or used for a period of at least two (2) years. For any proposed work covered by this chapter, the building owner shall cause the existing structure to be investigated and evaluated. The investigation shall provide sufficient information to determine satisfactorily the performance level of the existing structure with the proposed work incorporated.

3402.2 Repair or alteration. The repair or alteration of existing buildings and structures shall comply with the requirements of this chapter, except for ordinary repairs as provided for in Section 105.2.2 Repairs.

3402.3 Additions to existing buildings. Additions to existing buildings and structures shall comply with the requirements of Section 3403.4 and the Zoning Ordinance of the City of Champaign, as amended.

3402.4 Moved structures. Structures moved into or within the jurisdiction shall comply with the provisions of this code for new structures or shall comply with Chapter 34, provided that the siting and fire separation distance complies with the requirements for new structures.

Section 3402.5 Change in existing use

3402.5.1 Continuation of existing use. The legal use and occupancy of any building or structure may be continued without change, except as may be specifically covered in Section 102.0 and 105.2.2 of this code, or as may be deemed necessary by the building official for the general safety and welfare of the occupants and the public.

3402.5.2 Change in use. A change shall not be made in the use group of any building which would place the building in a different use group unless such building is made to comply with the requirements of this chapter.

3402.5.3.1 Part change in use. If a portion of the building is changed to a new use group, and that portion is separated from the remainder of the building with the required vertical and horizontal fire separation assemblies complying with the fire rating in Table 508.4 or with approved compliance alternatives, then the portion changed shall be made to conform to the requirements of this chapter. If a portion of the building is changed to a new use group, and that portion is not separated from the remainder of the building with the required vertical and horizontal fire separation assemblies complying with the fire rating in Table 508.4 or with approved compliance alternatives, then the provisions of this chapter that apply to each use shall apply to the entire building, and if there are conflicting provisions, the more stringent requirements shall apply.

3402.5.4 Use Group R. When residential use occurs above any other use groups, the floor/ceiling assembly and exits from the residential floors shall provide a minimum 1 hour fire rating or approved compliance alternative.

3402.6 Historic buildings. Historic buildings shall meet the applicable provisions of International Fire Code and Property Maintenance Standards of the City of Champaign.

3402.7 Reference standards. The building official may use Champaign Appendix G when determining compliance with this Chapter.

3402.8 Permit application. In addition to the requirements specified in the adoptive ordinance, the application for a building permit shall include items of non or partial compliance with the requirements of this chapter, and compliance alternatives, if any are proposed, for approval by the building official. The building official shall respond to the acceptability of any proposed compliance alternatives within thirty (30) days of the filing of the building permit application.

3402.9 Documentation. Whenever action is taken on any building permit application, to repair, make alterations, or change the use of occupancy of an existing structure, and when said application proposes the use of compliance alternatives, the building official shall ensure that one (1) copy

of the proposed compliance alternatives, including applicable plans, test data or other data required for evaluation, be placed on file, along with a copy of the building permit application and the building official's decision regarding the proposed compliance alternatives.

SECTION 3403.0 – REQUIREMENTS

3403.1 Buildings exceeding code requirements for new construction.

Existing buildings and structures which, in part or as a whole, exceed the requirements of this code, may, in the course of compliance with this chapter, reduce or remove in part or total, features not required by this code for new construction, provided, however, that such features were not a condition of prior approval.

3403.2 Building not meeting code requirements for new construction.

Provided their present degree of compliance to the code is not reduced, existing buildings and structures which, in part or as a whole, do not meet the requirements of this code for new construction may be altered or repaired without further compliance to the code by utilizing the provisions of Chapter 34.

3403.3 Compliance alternatives. When there are practical difficulties involved in carrying out the provisions of this code, for existing construction, the building official is permitted to vary or modify such provisions upon application of the owner or owner's representative, provided that the spirit and intent of the law shall be observed and public welfare and safety be assured. Some acceptable compliance alternatives are found in 3403.8.2.3 and Champaign Appendix G of this code, as amended.

3403.3.1 File. In accordance with Section 3402.8, the building official shall retain on file information regarding accepted or rejected compliance alternatives.

3403.4 Additions. Additions to an existing building shall comply with all code requirements for new construction. The combined height and area of the existing building and new addition shall not exceed that permitted by this code for new construction. Where a firewall complying with Section 706 is provided, the addition may be considered as a separate building. However, the existing building shall comply with Section 3403.1 and 3403.2. The addition shall not impose loads either vertical or horizontal which would cause the existing building to be subjected to stresses exceeding those permitted by this code for new construction.

3403.5 Increase in floor load. Any proposed increase in floor loading shall be investigated to determine the adequacy of the existing floor system to support the increased loads. If the existing floor system is found to be inadequate, it shall be modified to support the increased loads or the proposed allowable floor loading shall be reduced and posted.

3403.6 Hazardous conditions. The conditions and/or defects described in Section 3403.6.1 through 3403.6.4 below shall be deemed to be hazardous and shall be corrected in accordance with this code.

3403.6.1 Structural. Any building or structure or portion thereof which is in imminent danger of collapse because of, but not limited to, the following factors:

1. dilapidation, deterioration, or decay;
2. faulty design and/or construction;
3. the removal, movement or instability of any portion of the ground necessary for the purpose of supporting such building, and
4. the deterioration, decay or inadequacy of the foundation.

3403.6.2 Number of exits. The number of exits shall comply with applicable existing occupancies as defined in International Fire Code and Property Maintenance Standards of the City of Champaign.

3403.6.3 Capacity of exits. The capacity of exits shall comply with International Fire Code and Property Maintenance Standards of the City of Champaign.

3403.6.4 Fire protection systems. As applicable for existing occupancies, all buildings shall comply with the provision of International Fire Code and Property Maintenance Standards of the City of Champaign.

3403.7 No change in use. All uses shall comply with International Fire Code and Property Maintenance Standards of the City of Champaign as applicable for existing occupancies.

3403.7.1 Minor alterations and repairs. Alterations or repairs, which do not adversely affect the performance of the building, may be made with the same or like materials.

3403.7.2 New systems. When the proposed alteration does not involve a change in use group, then further compliance with the requirements of the code for new construction is not required, except that any new building systems shall conform to the code for new construction to the fullest extent physically practical in accordance with Section 3403.3 of this Chapter.

AMEND: **3403.7.3 Increase in occupant load.** If an increase in the maximum allowable occupant load is involved, the building shall comply with this code for new construction with regard to egress, fire alarm and fire sprinkler requirements.

3403.7.4 Increase in number of dwelling units. If the number of dwelling units in buildings of Use Group R (residential) is increased, the

building shall comply with the applicable chapters of International Fire Code and Property Maintenance Standards of the City of Champaign.

3403.7.5 Places of assembly. Provisions herein contained shall not prohibit the alteration of a building heretofore occupied as a place of public assembly for such continued use provided the seats, aisles, passageways, balconies, stages, appurtenant rooms and all special permanent equipment comply with the requirements of International Fire Code and Property Maintenance Standards of the City of Champaign.

3403.8 Change in use group. Any change in use to Use Group A (assembly) and I (institutional) shall comply with the requirements of this code for new construction. For all other changes in use, the building official shall first determine whether the alteration results in a lesser, equal, or greater hazard in accordance with Table 3403. Change in use group shall be evaluated relative to the last known legal occupancy of the building.

3403.8.1 Equal or lesser hazard. When the proposed use is of equal or lesser hazard, the use shall comply with the International Fire Code and the Property Maintenance Standards of the City of Champaign. Further compliance with the code for new construction is not required except as specified herein. Alterations or repairs to an existing building or structure, which do not adversely affect the performance of the building, may be made with like materials. Any proposed change to the existing building or change in type of contents of the existing building shall not increase the fire hazard to adjacent buildings or structures. If the fire hazard to adjacent buildings or structures is increased, the requirements of Section 704 for exterior walls shall apply.

3403.8.1.1 New systems. Any building system shall conform to this code for new construction to the fullest extent practical in accordance with Section 3403.3 of this Chapter.

SECTION 3403.8.2 – GREATER HAZARD

3403.8.2.1 Increase in one hazard index number. When the proposed change in use results in a use group one (1) hazard index number higher than its present use group as defined in Table 3403, the entire building must meet the requirements of the code for new construction with the following exceptions:

- a. Compliance is required with Section 508 except that floors providing horizontal separation in building of types 3 and 4 construction equipped with a fire suppression system shall have a fire resistance rating of not less than one (1) hour.

- b. Further compliance is not required with Section 503, a change in use is allowed in an existing structure even if it exceeds the area and height limits of Table 503.
- c. Compliance is required with Section 1005, except that existing exit stairways may be used as part of the required egress for the new use, provided that the width is of sufficient capacity for the occupancy load, the stairs are structurally sound, and the stairs comply with the International Fire Code and Property Maintenance Code. Where stair exit doors are doors to an apartment or office, they need not swing onto the landing.
- d. For earthquake resistance and liquefaction, further compliance to Sections 1607.9 Reduction in Live Loads, 901.2 Fire Suppression Systems and Chapter 18 Soils and Foundation is not required. Structural alterations may be made to existing buildings and other structures, but the resistance to lateral forces shall not be less than that before such alterations were made, unless the building or structure as altered meets the requirements of this code for earthquake loads.
- e. Further compliance is not required with Section 706. The height above the roof of existing fire, party, and exterior walls need not comply with this section. Provided, however, that the exceptions to the code contained in this subsection shall be applicable for only one increase in the hazard index number during the life of a building. The entire building must meet the requirements of this code for all subsequent changes in use group which result in a use group of a hazard index number higher than the use group of the building.

3403.8.2.2 Increase of two or more hazard index numbers. When the proposed change in use results in a use group of two (2) or more hazard index numbers higher than its present use group as defined in Table 3403, the entire building must meet the requirements of this code for new construction. Structural alterations may be made to existing buildings and other structures, but the resistance to lateral forces shall not be less than that before such alterations were made, unless the building or structure as altered meets the requirements of this code for earthquake and wind loads.

3403.8.2.3 Sprinkler system hazard index reduction. When an automatic sprinkler system is provided throughout the building in accordance with Chapter 9, the hazard index number for the proposed use may be reduced by one (1). The sprinkler system may also be utilized for code equivalency purposes as determined in accordance with 3403.3.

TABLE 3403

HAZARD INDEX

Scale: 1-8 (1 is lowest, 8 is highest hazard)

Use Group*	Description	Index No.
A-1	Theatre with stage	6
A-1	Theatre without stage	5
A-2	Night club,	7
	Restaurant	5
A-3	Lecture hall, recreation centers, museums, libraries, churches, similar assembly buildings	4
A-4, A-5, E	Sporting facilities and schools	4
B	Business	2
F	Factory and industrial	3
H	High hazard	8
I-1, I-4	Institutional, Day Care, supervised	3
I-3	Institutional, restrained	5
I-2	Institutional, incapacitated	4
M	Mercantile	3
R-1	Hotels, motels	2
R-2	Multi-family/dormitories	2
R-3	1 and 2 family	2
R-4	Residential care/Assisted living	2
S-1	Storage, moderate hazard	3
S-2	Storage, low hazard	2

CHAPTER 35 REFERENCED STANDARDS

- ADD:** More current standards may be utilized when approved by the Building Official.
- DELETE:** APPENDIX A - EMPLOYEE QUALIFICATIONS
- DELETE:** APPENDIX B – BOARD OF APPEALS
- DELETE:** APPENDIX D – FIRE DISTRICTS
- DELETE:** APPENDIX E – SUPPLEMENTARY ACCESSIBILITY REQUIREMENTS
- DELETE:** APPENDIX G – FLOOD RESISTANT CONSTRUCTION
- DELETE:** APPENDIX H – SIGNS
- DELETE:** APPENDIX I – PATIO COVERS
- DELETE:** APPENDIX J – GRADING
- DELETE:** APPENDIX K – ICC ELECTRICAL CODE