

# 2015 Building Code Amendments

## 11-9-5. INTERNATIONAL BUILDING CODE AMENDMENTS.

- (A) Section 306.2 of the International Building Code is amended to read as follows: Beverages: over 16 percent alcohol content where the maximum allowable quantities of Table 307.1(1) are not exceeded.
- (B) Table 307.1(1) of the International Building Code is amended by the addition of a footnote as follows:

**Table 307.1(1)**

**MAXIMUM ALLOWABLE QUANTITIES PER CONTROL AREA OF HAZARDOUS MATERIALS  
POSING A PHYSICAL HAZARD<sup>a,j,m,n,p</sup>**

|                                     |
|-------------------------------------|
| MATERIAL                            |
| Combustible liquid <sup>c,l,r</sup> |
| Flammable liquid <sup>c,r</sup>     |

r. The quantities of beverages exceeding 16 percent alcohol stored in wooden barrels and casks shall not be limited when the storage is in accordance with the provisions of Group S-1 occupancies (see Section 311.2) and Chapter 38 of the International Fire Code as amended by the City of Westminster.

- (C) Section 311.2 of the International Building Code is amended to include the following:

Beverages over 16 percent alcohol in wooden barrels and casks  
Beverages over 16 percent alcohol in metal, glass or ceramic containers  
Beverages over 16 percent alcohol in plastic containers not in accordance with Footnote c. of Table 307.1(1) and exceeding the maximum allowable quantities identified in Table 307.1(1)

- (D) Section 406.3.4.1 of the International Building Code is amended to read as follows:

406.3.4.1 Dwelling Unit Separation. Separations shall comply with the following:

The private garage shall be separated from the dwelling unit and its attic area by means of minimum 5/8-inch type "X" gypsum board applied to the garage side. Where the separation is horizontal the structure supporting the separation shall also be protected by not less than 5/8-inch type "X" gypsum board or equivalent. Door openings between the garage and the dwelling unit shall be equipped with a self-closing, self-latching solid wood door not less than 1 3/8 inch thickness, solid or honeycomb core steel door not less than 1 3/8 inches thick, or doors in compliance with Section 716.5.3.

(E) Section 427 of the International Building Code is added to read as follows:

**Section [F] 427  
Alcoholic Beverage Production Facilities**

**[F] 427.1 Alcoholic Beverage Production Facilities.** Buildings, structures, exterior areas and other locations where the production, storage and/or shipment of beverages exceeding one half of one percent alcohol shall be in accordance with Chapter 38 of the International Fire Code as amended by the City of Westminster.

(F) Section 1511.3.1.1 of the International Building Code is amended by the addition to read as follows:

**1511.3.1 Roof recover. Exceptions.**

- (1) (Remains the same)
- (2) Where the existing roof covering is slate, clay, cement, asbestos-cement tile, or asphalt shingles.
- (3) (Remains the same)

(G) Section 1607.3 of the International Building Code is amended by the addition of the following:

**1607.3.1** In commercial or industrial buildings, for each floor or portion thereof designed for live loads exceeding 50 psf, such design live loads shall be conspicuously posted in that part of each story in which they apply, using durable signs.

**1607.3.2 Restrictions on loading.** It shall be unlawful to place, or cause or permit to be placed, on any floor or roof of a building, structure or portion thereof, a load greater than is permitted by this code.

(H) Section 1608.2 of the International Building Code is amended to read as follows:

**1608.2 Ground snow loads.** The ground snow load to be used within the City of Westminster in determining the design snow loads for roofs is 30 pounds per square foot.

(I) Section 1609.3 of the International Building Code is amended to read as follows:

**1609.3 Basic wind speed.** Wind speeds to be per the table below and the zones as published by the City of Westminster. Exposure B shall be used unless specified as exposure C by the Building Official.

| 2015 IBC WIND SPEED DESIGN CRITERIA - $V_{ult}$ |     |     |     |
|---|-----|-----|-----|
| CITY MAP WIND ZONES                             | 1   | 2   | 3   |
| RISK CATEGORY 1 (MRI)                           | 120 | 125 | 135 |
| RISK CATEGORY II (MRI<br>700 yrs)               | 130 | 140 | 150 |
| RISK CATEGORY III (MRI<br>1700 yrs)             | 140 | 150 | 160 |

(J) Sections 1612.3 and 1612.4 of the International Building Code are amended to read as follows:

Establishment of flood hazard areas. The flood hazard areas of the City of Westminster are as established in Article 11, Chapter 8 of the Westminster Municipal Code.

Design and construction. The design and construction of buildings and structures located in flood hazard areas, including flood hazard areas subject to high velocity wave action, shall be designed and constructed in accordance with City of Westminster standards and ASCE 24, whichever is the most restrictive.

(K) Section 2111.1 of the International Building Code is amended to read as follows:

2111.1 Definition. A masonry fireplace is a fireplace constructed of concrete or masonry, hereafter referred to as masonry. Masonry fireplaces shall be constructed in accordance with this Section and subject to the restrictions of Title 8, Chapter 6 of the Westminster Municipal Code.

(L) Section 2304.12.2.3 of the International Building Code is amended as follows:

**Section 2304.12.2.3 Supporting member for permanent appurtenances.**

*Exception:* is deleted in its entirety.

(M) Section 2902.2.1 of the International Building Code is amended to read as follows:

**2902.2.1 Family or assisted-use toilet facilities serving as separate facilities.** Where a building or tenant space requires a separate toilet facility for each sex and each toilet facility is required to have only one water closet, two family or assisted-use toilet facilities shall serve as the required separate facilities. Family or assisted-use toilet facilities shall not be required to be identified for exclusive use by either sex as required by Section 2902.4.

(N) Section 2902.7 of the International Building Code is added to read as follows:

**2902.7 Baby diaper-changing accommodations.** Group A occupancies, Group M occupancies in excess of 5,000 square feet, and Group B office buildings in excess of 5,000 square feet shall install and maintain baby diaper changing stations, at each floor level containing restrooms, if the facility is open to the public. There shall be at least one safe, sanitary, and convenient baby diaper changing station that is accessible to women entering a restroom provided for use by women and one that is accessible to men entering a restroom provided for use by men, or at least one safe, sanitary, and convenient baby diaper changing station that is accessible to both men and women.

**Exceptions.**

- (1) If there is centrally located facility with a baby diaper changing station located within 300 feet of the entrance to a restaurant or retail establishment.
- (2) This section does not apply to a nightclub, bar or similar occupancy that does not permit anyone who is under 18 years of age to enter the premises.
- (3) This section also does not apply to a restroom located in a health facility if the restroom is intended for the use of one patient or resident at a time.
- (4) A new establishment or use shall not be subject to the provisions of this section if compliance would create a hardship defined as:
  - (a) No reasonable physical alternative exists for providing baby diaper-changing accommodations, or
  - (b) The cost of providing such accommodations exceeds 10 percent of the cost of constructing or substantially modifying the building or space occupied by the establishment or use.

Each station shall include signage at or near the entrance to the restroom indicating the availability of the baby diaper changing station. If there is a central directory identifying, for the benefit of the public, the location of offices, restrooms, and other facilities in the building, that central directory shall indicate the location of the baby diaper changing stations.

**11-9-6. INTERNATIONAL RESIDENTIAL CODE AMENDMENTS.**

(A) Table R301.2(1) of the International Residential Code is amended to read:

| TABLE R301.2(1) CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA |                |                             |                           |                                 |                               |                           |                        |                       |                          |   |                 |                          |                        |                        |
|---|----------------|-----------------------------|---------------------------|---------------------------------|-------------------------------|---------------------------|------------------------|-----------------------|--------------------------|---|-----------------|--------------------------|------------------------|------------------------|
| GROUND<br>SNOW<br>LOAD                                  | WIND DESIGN    |                             |                           |                                 | SEISMIC<br>DESIGN<br>CATEGORY | SUBJECT TO DAMAGE<br>FROM |                        |                       | WINTER<br>DESIGN<br>TEMP | ICE BARRIER<br>UNDERLAYMENT<br>REQUIRED | FLOOD<br>HAZARD | AIR<br>FREEZING<br>INDEX | MEAN<br>ANNUAL<br>TEMP | ACCUM<br>SNOW<br>LEVEL |
|   | Speed<br>(mph) | Topo-<br>graphic<br>effects | Special<br>wind<br>region | Wind<br>borne<br>debris<br>zone |                               | Weathering                | Frost<br>line<br>depth | Termite               |                          |   |                 |                          |                        |                        |
| 30  | 130-<br>155    | B                           | Yes                       | No                              | B                             | Severe                    | 36"                    | Slight to<br>Moderate | 1° F                     | No                                      | N/A             | 532                      | 51.0                   | 12"                    |

(B) Section R301.2.4 of the International Residential Code is amended to read as follows:

**R301.2.4 Floodplain construction.** The design and construction of buildings and structures located in whole or in part in flood hazard areas, including flood hazard areas subject to high velocity wave action, shall be designed and constructed in accordance with City of Westminster standards and R322, whichever is the most restrictive.

(C) Table R302.1(1) of the International Residential Code is amended to read as follows:

Footnote b. Delete in its entirety

(D) Table R302.1(2) of the International Residential Code is amended to read as follows:

Footnote a. Delete in its entirety

Footnote c. Delete in its entirety

(E) Section R302.6 of the International Residential Code is amended to read as follows:

**R302.6 Dwelling/Garage fire separation.** The garage shall be separated from the residence and its attic space by not less than 5/8-inch type "X" gypsum board applied to the garage side. Where the separation is horizontal the structure supporting the separation shall also be protected by not less than 5/8-inch type "X" gypsum board or equivalent. Garages located less than 3 feet from a dwelling unit on the same lot shall be protected with not less than 5/8 inch type "X" gypsum board on the interior side of exterior walls. Table R302.6 is deleted in its entirety. Openings in these walls shall be regulated by Section R302.5.

(F) Section R309.5 of the International Residential Code is deleted as follows:

**R309.5 Fire Sprinklers.**

Section is deleted in its entirety.

(G) Section R310.6 of the International Residential Code is deleted as follows:

**R310.6 Alterations or repairs of existing basements.**

Section is deleted in its entirety

(H) Section R317.1.3 of the International Residential Code is amended to read as follows:

**R317.1.3 Geographical areas.** Approved naturally durable or pressure-preservative-treated wood shall be used for those portions of wood members that form the structural supports of buildings, balconies, porches or similar permanent building appurtenances when those members are exposed to the weather without adequate protection from a roof, eave, overhang or other covering that would prevent moisture or water accumulation on the surface or at joints between members. Such members shall include: (remainder of section unchanged)

- (I) Section R318.1 of the International Residential Code is amended to read as follows:  
**R318.1 Subterranean termite control methods.** In areas subject to moderate to heavy or very heavy damage as indicated by Table R301.2(1) methods of protection shall be one of the following methods or a combination of these methods: [Remainder of Section R318.1 is unchanged.]
- (J) Section R324.7 of the of the International Residential Code is amended to read as follows:  
**R324.7 Access and pathways.** Roof access, pathways and spacing requirements shall be provided in accordance with Section 11-10-5(A)611.1, W.M.C.
- (K) Section R404.1.1, item 2 of the International Residential Code is amended to read as follows:  
**R404.1.1 Design required.** Item 2. Walls supporting more than 36 inches of unbalanced backfill that do not have permanent lateral support at the top or bottom.
- (L) Section R908.3.1.1 the International Residential Code is amended to read as follows:  
**R908.3.1.1,** Item 2. Where the existing roof covering is slate, clay, cement, asbestos-cement tile, or asphalt shingles.
- (M) Sections R1001.1 and R1004.1 the International Residential Code are amended to read as follows:  
**R1001.1 General.** Masonry fireplaces shall be constructed in accordance with this Section and the applicable provisions of Chapters 3 and 4 of this Code and subject to the restrictions of Title 8, Chapter 6 of the Westminster Municipal Code.  
**R1004.1 General.** Factory-built fireplaces shall be listed and labeled and shall be installed in accordance with the conditions of the listing. Factory-built fireplaces shall be tested in accordance with UL127 and be subject to the restrictions of Title 8, Chapter 6 of the Westminster Municipal Code.
- (N) Section R1004.4 of the International Residential Code is amended as follows:  
**R1004.4 Unvented gas log heaters.** Deleted in its entirety.
- (O) Section N1101.1 of the International Residential Code is amended to read as follows:  
**N1101.1 Scope.** Chapter 11 of the of the International Residential Code is deleted in its entirety and replaced with the residential provisions of the International Energy Conservation Code as adopted in 11-9-1(B)7 of this code.
- (P) The International Residential Code is amended to add Section M1416 to read as follows:  
**M1416 Unvented room heaters.**  
**M1416.1 General.** Unvented room heater, fireplaces, gas logs or other similar unvented devices are prohibited.
- (Q) Section M1502.4.5.2 of the International Residential Code is amended as follows:  
**M1502.4.5.2 Manufacturer's instructions.** Section is deleted in its entirety.
- (R) Section M1801.1 of the International Residential Code is amended to read as follows:  
**M1801.1 Venting required.** Fuel-burning appliances shall be vented to the outside in accordance with their listing and label and manufacturer's installation guidelines or instructions. Venting systems shall consist of approved chimneys or vents, or venting assemblies that are integral parts of labeled appliances. Gas-fired appliance shall be vented in accordance with Chapter 24.
- (S) Section G2406.2 of the International Residential Code is amended as follows:  
**G2406.2 Prohibited locations.** Items 3 and 4 are deleted in their entirety.

- (T) Section G2417.4.1 of the International Residential Code is amended to read as follows:  
**G2417.4.1 Test pressure.** The minimum test pressure to be used on threaded pipe shall be 20 psi gauge pressure. For welded pipe the minimum test pressure shall be 60 psi gauge pressure.
- (U) Section G2425.8 of the International Residential Code is amended as follows:  
**G2425.8 Equipment not required to be vented.** Item #7 is deleted.
- (V) Section G2445 of the International Residential Code is amended as follows:  
**G2445 Unvented room heaters.** Section is deleted in its entirety.
- (W) Section P2603.6.1 of the International Residential Code is amended to read as follows:  
**P2603.6.1 Sewer depth.** Building sewers that connect to private sewage disposal systems shall be a minimum of 42 inches below finished grade at the point of septic tank connection. Building sewers shall be a minimum of 42 inches below grade.
- (X) Table P2903.2 of the International Residential Code is amended to read as follows:

**TABLE P2903.2**

**MAXIMUM FLOW RATES AND CONSUMPTION FOR PLUMBING FIXTURES AND FIXTURE FITTINGS**

| PLUMBING FIXTURE OR FIXTURE FITTING | PLUMBING FIXTURE OR FIXTURE FITTING |
|-------------------------------------|-------------------------------------|
| Lavatory faucet                     | 1.5 gpm at 60 psi                   |
| Shower head                         | 2.0 gpm at 60 psi                   |
| Sink faucet                         | 2.2 gpm at 60 psi                   |
| Water closet                        | 1.28 gallons per flushing cycle     |

- (Y) Table P3201.7 of the International Residential Code is amended to read as follows:  
**TABLE P3201.7 SIZE OF TRAPS AND TRAP ARMS FOR PLUMBING FIXTURES** is amended to reflect the trap size minimum for a shower is 2 inches.
- (Z) The General Statement of Chapter 34 of the International Residential Code is amended to read as follows:  
**CHAPTER 34 GENERAL REQUIREMENTS**  
 Add the following to the section: Whenever there is a conflict between this Code and the 2014 NEC, the provisions of the NEC will govern.

**11-9-7. NATIONAL ELECTRICAL CODE AMENDMENTS.**

- (A) Article 230.70(A)(1) of the National Electrical Code is amended to read as follows:  
**230.70 (A)(1) Location.** The service disconnecting means shall be installed at a readily accessible location on the outside of the building unless approved by the Building Official. No service disconnecting means shall be installed inside a residential dwelling unit.  
*Exception:* The service disconnecting means may be installed inside the garage of a residential dwelling unit when it is located back-to-back to the meter.

## 11-9-8. INTERNATIONAL PLUMBING CODE AMENDMENTS.

(A) Section 403.2.1 of the International Plumbing Code is amended to read as follows:

**403.2.1 Family or assisted-use toilet facilities serving as separate facilities.** Where a building or tenant space requires a separate toilet facility for each sex and each toilet facility is required to have only one water closet, two family or assisted-use toilet facilities shall serve as the required separate facilities. Family or assisted-use toilet facilities shall not be required to be identified for exclusive use by either sex as required by Section 403.4.

(B) Section 403.6 of the International Plumbing Code is added to read as follows:

**403.6 Baby diaper-changing accommodations.** Group A occupancies, Group M occupancies in excess of 5,000 square feet, and Group B office buildings in excess of 5,000 square feet shall install and maintain baby diaper changing stations, at each floor level containing restrooms, if the facility is open to the public. There shall be at least one safe, sanitary, and convenient baby diaper changing station that is accessible to women entering a restroom provided for use by women and one that is accessible to men entering a restroom provided for use by men, or at least one safe, sanitary, and convenient baby diaper changing station that is accessible to both men and women.

### Exceptions.

- (1) If there is centrally located facility with a baby diaper changing station located within 300 feet of the entrance to a restaurant or retail establishment.
- (2) This section does not apply to a nightclub, bar or similar occupancy that does not permit anyone who is under 18 years of age to enter the premises.
- (3) This section also does not apply to a restroom located in a health facility if the restroom is intended for the use of one patient or resident at a time.
- (4) A new establishment or use shall not be subject to the provisions of this section if compliance would create a hardship defined as:
  - a) No reasonable physical alternative exists for providing baby diaper-changing accommodations, or
  - b) The cost of providing such accommodations exceeds 10 percent of the cost of constructing or substantially modifying the building or space occupied by the establishment or use.

Each station shall include signage at or near the entrance to the restroom indicating the availability of the baby diaper changing station. If there is a central directory identifying, for the benefit of the public, the location of offices, restrooms, and other facilities in the building, that central directory shall indicate the location of the baby diaper changing stations.

(C) Section 601.6 of The International Plumbing Code is amended to add the following:

**601.6 Water conservation.** Water recycling systems shall be mandatory for all automatic full- service commercial car wash facilities constructed in the City after December 23, 1982. Water recycling systems shall not be mandatory for manual self-service commercial car wash facilities.

(D) Table 604.4 of the International Plumbing Code is amended to read as follows:

**TABLE 604.4**

**MAXIMUM FLOW RATES AND CONSUMPTION FOR PLUMBING FIXTURES AND FIXTURE FITTINGS**

| <b>PLUMBING FIXTURE OR FIXTURE FITTING</b> | <b>PLUMBING FIXTURE OR FIXTURE FITTING</b> |
|--|--|
| Lavatory, private                          | 1.5 gpm at 60 psi                          |
| Lavatory, public (metering)                | 0.25 gallons per metering cycle            |
| Lavatory, public (other than metering)     | 0.5 gpm at 60 psi                          |
| Shower head                                | 2.0 gpm at 60 psi                          |
| Sink faucet                                | 2.2 gpm at 60 psi                          |
| Urinal                                     | 0.5 gallons per flushing cycle             |
| Water closet                               | 1.28 gallons per flushing cycle            |

(E) The International Plumbing Code is amended to add Section 704.5 to read as follows:

**704.5 Grease waste identification.** All underground or under floor grease waste lines shall be permanently identified by an approved means.

(F) Section 1003.2 and section 1003.3.4.1 of the International Plumbing Code are amended to read as follows:

**1003.2 Approval.** The size, type and location of each grease interceptor shall be designed and installed in accordance with City of Westminster specifications, the manufacturer's installation instructions, the requirements of this Section and the anticipated conditions of use. Wastes that do not require treatment or separation shall not be discharged into any interceptor.

**1003.3.4.1 Grease trap capacity.** When, in the judgment of the Building Official, it would be impractical or unnecessary to install a grease interceptor due to the anticipated use of an establishment, the installation of a grease trap may be approved. Grease traps shall be sized in accordance with City specifications and have the grease retention capacity indicated in Table 1003.3.4.1 for the flow-through rates indicated.

**11-9-9. INTERNATIONAL MECHANICAL CODE AMENDMENTS.**

(A) Section 504.8.4.2 of the International Mechanical Code is amended as follows:

504.8.4.2 Manufacturer's instructions. Section is deleted in its entirety.

(B) 506.3.11 of the International Mechanical Code is amended as follows:

**506.3.11 Grease duct enclosures.** **Exception** is deleted in its entirety.

(C) Section 903.1 and Section 903.3 of the International Mechanical Code are amended as follows:

**903.1 General.** Factory-built fireplaces shall be listed and labeled and shall be installed in accordance with the conditions of the listing. Factory-built fireplaces shall be tested in accordance with UL127 and be subject to the restrictions of Title 8, Chapter 6 of the Westminster Municipal Code.

**903.3 Unvented gas log heaters.** Section is deleted in its entirety.



**11-9-10. INTERNATIONAL FUEL GAS CODE AMENDMENTS.**

(A) Section 303.3 of the International Fuel Gas Code is amended as follows:

**303.3 Prohibited locations.** Items 3 and 4 are deleted in their entirety.

(B) Section 406.4.1 and 406.4.2 of the International Fuel Gas Code are amended to read as follows:

**406.4.1 Test pressure.** The minimum test pressure to be used on threaded pipe shall be 20 psi gauge pressure. For welded pipe the minimum test pressure shall be 60 psi gauge pressure.

**406.4.2 Test duration.** The test duration shall be not less than **10** minutes.

(C) Section 501.8 of the International Fuel Gas Code is amended as follows:

**501.8 Equipment not required to be vented.** Items 8 and 10 are deleted in their entirety.

(D) Section 621 of the International Fuel Gas Code is amended as follows:

**621.1 General.** Unvented room heater, fireplaces, gas logs or other similar devices are prohibited. [The remainder of Section 621 is deleted.]

**11-9-11. INTERNATIONAL ENERGY CONSERVATION CODE AMENDMENTS.**

(A) Table C402.4 of the International Energy Conservation Code is amended as follows:

**Table C402.4**

**BUILDING ENVELOPE FENESTRATION MAXIMUM U-FACTOR AND SHGC REQUIREMENTS**

| CLIMATE ZONE                 | 5    |      |
|------------------------------|------|------|
| <b>Vertical fenestration</b> |      |      |
| U-factor                     |      |      |
| Fixed fenestration           | 0.38 |      |
| Operable fenestration        | 0.45 |      |
| Entrance doors               | 0.77 |      |
| SHGC                         |      |      |
| Orientation                  | N    | SEW  |
| PF                           | 0.38 | 0.51 |
| $0.2 \leq PF$                | 0.46 | 0.56 |
| PF                           | 0.61 | 0.61 |
| <b>Skylights</b>             |      |      |
| U-factor                     |      |      |
| 0.50                         |      |      |
| SHGC                         |      |      |
| 0.40                         |      |      |

(B) Section C405.2.1.1 of the International Energy Conservation Code is amended as follows:

**C405.2.1.1 Occupant sensor control function.** Occupant sensor controls in spaces other than warehouses specified in Section C405.2.1 shall comply with the following:

- (1) Automatically turn off lights within 20 minutes of all occupants leaving the space.
- (2) Be manual on or controlled to automatically turn the lighting on to not more than 50 percent power.

*Exception:* Full automatic-on controls shall be permitted to control lighting in public corridors, stairways, restrooms, primary building entrance areas and lobbies, and areas where manual-on operation would endanger the safety or security of the room or building occupants.

(3) Shall incorporate a manual control to allow occupants to turn lights off.

(C) Table C405.5.1 (2) of the International Energy Conservation Code is amended as follows:

**TABLE C405.5.1 (2)  
INDIVIDUAL LIGHTING POWER ALLOWANCES FOR BUILDING EXTERIORS**

|  |  | LIGHTING ZONES              |                             |                             |                             |
|--|--|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
|  |  | Zone 1                      | Zone 2                      | Zone 3                      | Zone 4                      |
| Base Site Allowance (Base allowance is usable in tradable or nontradable surfaces.)  |  | 350 W                       | 400W                        | 500W                        | 900W                        |
| Tradable Surfaces (Lighting power densities for uncovered parking areas, building grounds, building entrances and exits, canopies and overhangs and outdoor sales areas are tradable.) | <b>Uncovered Parking Areas</b>   |                             |                             |                             |                             |
|  | Parking areas and drives   | 0.04 W/ft <sup>2</sup>      | 0.06 W/ft <sup>2</sup>      | 0.10 W/ft <sup>2</sup>      | 0.13 W/ft <sup>2</sup>      |
|  | <b>Building Grounds</b>  |                             |                             |                             |                             |
|  | Walkways and Ramps 10 feet wide or greater, plaza areas, special feature areas | 0.5 W/linear foot           | 0.5 W/linear foot           | 0.6 W/linear foot           | 0.7 W/linear foot           |
|  | Dining Areas   | 0.65 W/ft <sup>2</sup>      | 0.65 W/ft <sup>2</sup>      | 0.75 W/ft <sup>2</sup>      | 0.95 W/ft <sup>2</sup>      |
|  | Stairways  | 0.6 W/ft <sup>2</sup>       | 0.7 W/ft <sup>2</sup>       | 0.7 W/ft <sup>2</sup>       | 0.7 W/ft <sup>2</sup>       |
|  | Pedestrian tunnels   | 0.12 W/ft <sup>2</sup>      | 0.12 W/ft <sup>2</sup>      | 0.14 W/ft <sup>2</sup>      | 0.21 W/ft <sup>2</sup>      |
|  | Landscaping  | 0.03 W/ft <sup>2</sup>      | 0.04 W/ft <sup>2</sup>      | 0.04 W/ft <sup>2</sup>      | 0.04 W/ft <sup>2</sup>      |
|  | <b>Building Entrances and Exits</b>  |                             |                             |                             |                             |
|  | Pedestrian and vehicular entrances and exits                                   | 14 W/linear foot of opening | 14 W/linear foot of opening | 21 W/linear foot of opening | 21 W/linear foot of opening |
|  | Entry canopies   | 0.2 W/ft <sup>2</sup>       | 0.25 W/ft <sup>2</sup>      | 0.4 W/ft <sup>2</sup>       | 0.4 W/ft <sup>2</sup>       |
|  | Loading docks  | 0.35 W/ft <sup>2</sup>      | 0.35 W/ft <sup>2</sup>      | 0.35 W/ft <sup>2</sup>      | 0.35 W/ft <sup>2</sup>      |
|  | <b>Sales Canopies</b>  |                             |                             |                             |                             |
|  | Free-standing and attached   | 0.4 W/ft <sup>2</sup>       | 0.4 W/ft <sup>2</sup>       | 0.6 W/ft <sup>2</sup>       | 0.7 W/ft <sup>2</sup>       |
|  | <b>Outdoor Sales</b>   |                             |                             |                             |                             |
|  | Open sales   | 0.2 W/ft <sup>2</sup>       | 0.2 W/ft <sup>2</sup>       | 0.35 W/ft <sup>2</sup>      | 0.5 W/ft <sup>2</sup>       |
|  | Street frontage for vehicle sales lots in addition to                          | No allowance                | 7 W/linear foot             | 7 W/linear foot             | 21 W/linear foot            |

|  | “open sales” allowance  |  |   |  |  |
|--|---|--|---|--|--|
| Nontradable Surfaces (Lighting power density calculations for the following applications can be used only for the specific application and cannot be traded between surfaces or with other exterior lighting. The following allowances are in addition to any allowance otherwise permitted in the "Tradable Surfaces" section of this table.) | Building facades  | No allowances  | 0.075 W/ft <sup>2</sup> of gross abovegrade wall area | 0.1113 W/ft <sup>2</sup> of gross abovegrade wall area | 0.15 W/ft <sup>2</sup> of gross abovegrade wall area |
|  | Automated teller machines and night depositories  | 135 W per location plus 45 W per additional ATM per location |   |  |  |
|  | Uncovered entrances and gatehouse inspection stations at guarded facilities                       | 0.5 W/ft <sup>2</sup> of covered and uncovered area          |   |  |  |
|  | Uncovered loading areas for law enforcement, fire, ambulance and other emergency service vehicles | 0.35 W/ft <sup>2</sup>                                       |   |  |  |
|  | Drive-up windows/doors  | 200 W per drive through                                      |   |  |  |
|  | Parking near 24-hour retail entrances   | 400 W per main entry   |   |  |  |

(D) Section C408 of the International Energy Conservation Code is amended as follows:

**C408.1 General.** This section covers the commissioning of the building mechanical systems in Section C403, service water heating systems in Section C404, and electrical power and lighting systems in Section C405.

**C408.2.4 Preliminary commissioning report.** A preliminary report of commissioning test procedures and results shall be completed and certified by the registered design professional or approved agency and provided to the building owner or owner’s authorized agent. The report shall be organized with mechanical and service hot water findings in separate sections to allow independent review. The report shall be identified as “Preliminary Commissioning Report,” shall include the completed Commissioning Compliance Checklist Table C408.2.4.1 and shall identify: (add items #4 and #5 as follows)

- (4) Results of functional performance tests.
- (5) Functional performance test procedures used during the commissioning process including measurable criteria for test acceptance.

**C408.2.4.1 Acceptance of report.** Buildings, or portions thereof, shall not be considered acceptable for a final inspection pursuant to Section 11-9-4 (B)(1)(g) of this code until the code official has received the Preliminary Commissioning Report from the building owner or owner’s authorized agent.

- (E) Section C501.4 of the International Energy Conservation Code is amended with the addition of the following:  
**C501.4 Compliance.** The International Existing Buildings Code (IEBC) is added to the list of codes identified in the section.
- (F) Section C503.1 of the International Energy Conservation Code is amended with the deletion of the following:  
**C503.1 General.**  
 Exception #7 is deleted in its entirety.
- (G) Section R202 of the International Energy Conservation Code is amended with the addition of the following:  
**SECTION 202**  
**GENERAL DEFINITIONS**  
**Dwelling Unit Enclosure Area:**  
 The sum of all the boundary surfaces that define the *dwelling unit*, including top, bottom, and all sides. This does not include interior partition walls within the *dwelling unit*. Wall height should be measured from the finished floor of the *dwelling unit* to the underside of the floor above (rather than stopping at the finished ceiling).
- (H) Section R401.2, #3 of the International Energy Conservation Code is amended to read as follows:  
**R401.2 Compliance.** 3. An energy rating index (ERI) approach in Section R406 and the provisions of Section R401 through R404 labels “Mandatory.”
- (I) Table R403.6.1 of the International Energy Conservation Code is amended as follows:

**TABLE R403.6.1**  
**WHOLE-HOUSE MECHANICAL VENTILATION SYSTEM FAN EFFICACY**

| FAN LOCATION           | AIR FLOW RATE<br>MINIMUM<br>(CFM) | MINIMUM<br>EFFICACY<br>(CFM/WATT) | AIR FLOW RATE<br>MAXIMUM |
|------------------------|-----------------------------------|-----------------------------------|--------------------------|
| HRV or ERV             | Any                               | 1.2 cfm/watt                      | Any                      |
| Range Hoods            | Any                               | 2.8 cfm/watt                      | Any                      |
| In-Line Fans           | Any                               | 2.8 cfm/watt                      | Any                      |
| Bathroom, utility room | 10                                | 1.4 cfm/watt                      | < 90                     |
| Bathroom, utility room | 90                                | 2.8 cfm/watt                      | Any                      |

- (J) Section C405.2.1.1 of the International Energy Conservation Code is amended as follows:  
**R404.1 Lighting equipment (Mandatory).** Not less than 90 percent of the permanently installed lighting fixtures shall contain only high-efficacy lamps  
 Exception: Low-voltage lighting.
- (K) Section R404.2 of the International Energy Conservation Code is amended with the addition of the following:  
**R404.2 Electrical energy consumption (mandatory).** Each dwelling unit located in a Group R-2 building shall have a separate electrical meter.
- (L) Section R405.4.2 of the International Energy Conservation Code is amended with the addition of the following exception:  
**R405.4.2 Compliance report.** Compliance software tools shall generate a report that documents that the

proposed design complies with Section R405.3. A compliance report on the proposed design shall be submitted with the application for the building permit. Upon completion of the building, a compliance report based on the as-built condition of the building shall be submitted to the code official before a certificate of occupancy is issued. Batch sampling of buildings to determine energy code compliance shall only be allowed for stacked multifamily units.

(Remainder of section to remain)

#### **11-9-12. INTERNATIONAL SWIMMING POOL AND SPA CODE AMENDMENTS.**

(A) Section 305.4 of the International Swimming Pool and Spa Code is amended to read as follows:

**305.4 Structure wall as a barrier.** The wall of a dwelling or structure can serve as part of the barrier.

(B) Section 306 of the International Swimming Pool and Spa Code is amended as follows:

**306.1 General.** Decks shall be designed and installed in accordance with the International Residential Code or the International Building Code [The remainder of section 306.1 is deleted]

Section 306.2 through 306.9 are deleted in their entirety

(C) Section 319.3 of the International Swimming Pool and Spa Code is added as follows:

**319.3 Chemical storage and handling.** Chemical storage, use and handling shall be done in compliance with the Building and Fire codes.

(D) Section 322 of the International Swimming Pool and Spa Code is deleted in its entirety.

**322 LADDERS AND RECESSED TREADS.** Section is deleted in its entirety.

(E) Section 323 of the International Swimming Pool and Spa Code is deleted in its entirety.

**323 SAFETY.** Section is deleted in its entirety.

#### **11-9-13. INTERNATIONAL EXISTING BUILDINGS CODE AMENDMENTS.**

(A) Section 706.3 the International Existing Building Code is amended to read as follows:

**706.3 Recovering versus replacement, Item 2.** Where the existing roof covering is wood shake, slate, clay, cement, asbestos-cement tile, or asphalt shingles.