

**TOWN OF ORO VALLEY AMENDMENTS TO THE
INTERNATIONAL RESIDENTIAL CODE, 2012 EDITION**

The following provision of the International Residential Code, 2012 Edition, as published by the International Code Council, Inc., is hereby amended as follows:

CHAPTER 1

Revise Section R101.1 as follows:

Insert **TOWN OF ORO VALLEY, ARIZONA** in place of [NAME OF JURISDICTION].

Revise Section R102.5 as follows:

R102.5 Appendices. Provisions in the appendices shall not apply unless specifically referenced in the adopting ordinance. **THE FOLLOWING APPENDICES ARE ADOPTED: A, B, C, H, J, N, O, P AND Q.**

Revise Section R105.2, sub-sections 1 and 3, and add new sub-section 11 as follows:

R105.2 Work exempt from permit.

Building:

1. One-story detached *accessory structures* used as tool and storage sheds, playhouses and similar uses, provided the floor area does not exceed ~~200~~ **120** square feet (~~18.58~~ **11.15** m²). **ANY ELECTRICAL, PLUMBING, OR MECHANICAL PORTIONS OF A STRUCTURE UNDER THIS SECTION WILL REQUIRE A BUILDING PERMIT.**
3. Retaining walls that are not over 4 feet (1219 mm) in height measured from the bottom of the footing to the top of the wall, unless supporting a surcharge **AND FREE STANDING MASONRY WALLS NOT OVER 6 FEET (1829 MM) IN HEIGHT ABOVE NATURAL GRADE.**
11. **RE-ROOFING OF WEATHER RESISTANT ELEMENTS OF EXISTING BUILDINGS WITH EQUIVALENT MATERIALS AND LOADS.**

Revise Section R105.3.2 as follows:

R105.3.2 Time limitations of application. An application for a *permit* for any proposed work shall be deemed to have been abandoned 180 days after the date of filing unless such application has been pursued in good faith or a *permit* has been issued; except that the *building official* is authorized to grant one or more extensions of time for additional periods not exceeding 180 days each. The extension shall be requested in writing and justifiable cause demonstrated. **IN ORDER TO RENEW ACTION ON AN APPLICATION AFTER EXPIRATION, THE APPLICANT SHALL RESUBMIT PLANS AND PAY A NEW PLAN REVIEW FEE. AN APPLICATION MAY NOT BE EXTENDED IF THIS CODE OR ANY OTHER APPLICABLE LAWS OR ORDINANCES HAVE BEEN AMENDED SUBSEQUENT TO THE DATE OF APPLICATION.**

Revise Section R105.5 as follows:

R105.5 Expiration. Every *permit* issued shall become invalid unless the work authorized by such *permit* is commenced within 180 days after its issuance, or if the work authorized by such *permit* is suspended or abandoned for a period of 180 days after the time the work is commenced. The *building official* is authorized to grant, in writing, one or more extensions of time, for periods not more than 180 days each. The extension shall be requested in writing and justifiable cause demonstrated. **EXTENSION REQUESTS SHALL NOT BE GRANTED AFTER PERMITS HAVE EXPIRED UNLESS APPLICABLE FEES HAVE BEEN PAID. BEFORE WORK DEEMED TO HAVE EXPIRED CAN RECOMMENCE, A NEW PERMIT SHALL BE OBTAINED AND THE FEE THEREFORE SHALL BE ONE HALF THE AMOUNT REQUIRED FOR A NEW PERMIT FOR SUCH WORK; PROVIDED NO CHANGES HAVE BEEN MADE TO THE ORIGINALLY APPROVED CONSTRUCTION DOCUMENTS FOR SUCH WORK; AND PROVIDED FURTHER THAT SUCH SUSPENSION OR ABANDONMENT HAS NOT EXCEEDED ONE YEAR. IF THE PERMIT HAS BEEN EXPIRED OR ABANDONED FOR A PERIOD OF ONE YEAR OR MORE, THE COST FOR RENEWAL SHALL BE AS REQUIRED FOR A NEW PERMIT.**

Revise Section R106.3.1 as follows:

R106.3.1 Approval of construction documents. When the *building official* issues a *permit*, the *construction documents* shall be **CLEARLY INDICATED AS approved BY A METHOD ESTABLISHED BY THE BUILDING OFFICIAL.** ~~in writing or by a stamp which states "REVIEWED FOR CODE COMPLIANCE."~~ One set of *construction documents* so reviewed shall be retained by the *building official*. The other set shall be returned to the applicant, shall be kept at the site of work and shall be open to inspection by the *building official* or his or her authorized representative.

Revise Section R108.2 as follows:

R108.2 Schedule of permit fees. On buildings, structures, electrical, gas, mechanical, and plumbing systems or *alterations* requiring a *permit*, a fee for each *permit* shall be paid as required, in accordance with the ~~schedule as established by the applicable governing authority~~ **TOWN OF ORO VALLEY BUILDING VALUATION DATA SCHEDULE AND FEE SCHEDULES AS ESTABLISHED BY THE TOWN OF ORO VALLEY. PLAN REVIEW FEES SHALL BE 65% OF THE PERMIT FEE AND SHALL BE PAID AT THE TIME OF APPLICATION.**

Revise Section R108.3 as follows:

R108.3 Building permit valuations. **THE APPLICANT FOR A PERMIT SHALL PROVIDE AN ESTIMATED PERMIT VALUATION WHEN APPLICATION IS MADE.** Building *permit* valuation shall include total value of the work for which a permit is being issued, such as electrical, gas, mechanical, plumbing equipment and other permanent systems, including materials and labor. **THE FINAL PERMIT VALUATION SHALL BE DETERMINED BY THE TOWN OF ORO VALLEY BUILDING VALUATION DATA SCHEDULE AND FEE SCHEDULES AS ESTABLISHED BY THE TOWN OF ORO VALLEY.**

Revise Section R108.5 as follows:

R108.5 Refunds. ~~The *building official* is authorized to establish a refund policy.~~ **WHEN A FEE FOR A PERMIT OR PLAN REVIEW HAS BEEN PAID OR COLLECTED ERRONEOUSLY, THE *BUILDING OFFICIAL* IS AUTHORIZED TO GRANT A REFUND BASED ON THE FOLLOWING CRITERIA:**

A) NOT MORE THAN 80 PERCENT OF THE PERMIT FEE MAY BE REFUNDED WHEN NO WORK HAS BEEN DONE UNDER A PERMIT ISSUED IN ACCORDANCE WITH THIS CODE AND THE PERMIT HAS NOT EXPIRED

B) NOT MORE THAN 80 PERCENT OF THE PLAN REVIEW FEE MAY BE REFUNDED WHEN AN APPLICATION FOR A PERMIT FOR WHICH A PLAN REVIEW FEE HAS BEEN PAID IS WITHDRAWN OR CANCELLED PRIOR TO ANY REVIEW OF PLANS

A “WRITTEN AND SIGNED” REQUEST BY THE PERMIT APPLICANT SHALL BE PROVIDED BEFORE A REFUND WILL BE CONSIDERED

Revise Section R110.1 as follows:

R110.1 Use and occupancy. No building or structure shall be used ~~or~~, occupied, **OR FURNISHED IN WHOLE OR IN PART**, and no change in the existing occupancy classification of a building or structure or portion thereof shall be made until the *building official* has issued a certificate of occupancy therefore, as provided herein.

(remainder of this section unchanged)

CHAPTER 3

Revise Table R301.2(1), by inserting the following text:

Ground Snow Load; insert [N/A]

Wind Speed; insert [90]

Seismic Design Category; insert (B)

Weathering; insert [MODERATE]

Frost Line Depth; insert [N/A]

Termite; insert [MODERATE TO HEAVY]

Decay; insert [NONE TO SLIGHT]

Winter Design Temp; insert [32]

Flood Hazards; insert [PER PIMA COUNTY FLOOD CONTROL DISTRICT]

Air Freezing Index; insert [4]

Mean Annual Temp; insert [68]

Revise Table 301.5 as follows:

TABLE R301.5

**MINIMUM UNIFORMLY DISTRIBUTED LIVE LOADS
(in pounds per square foot)**

USE	LIVE LOAD
Uninhabitable attics with limited storage ^{b, g.}	20 40
Sleeping rooms	30 40

(other sections and uses in table to remain unchanged)

Delete Section R303.3 in its entirety and replace it with the following text:

R303.3 BATHROOMS AND KITCHENS. BATHROOMS, WATER CLOSET COMPARTMENTS, KITCHENS AND SIMILAR ROOMS SHALL BE PROVIDED WITH MECHANICAL EXHAUST SYSTEMS. THE MINIMUM VENTILATION RATES FOR THESE ROOMS AND SPACES SHALL BE PER TABLE M1507.3. BATHROOMS, WATER CLOSET COMPARTMENTS AND SIMILAR ROOMS SHALL BE PROVIDED WITH AN AGGREGATE GLAZING AREA OF NOT LESS THAN 3 SQUARE FEET (0.3 M²), ONE HALF OF WHICH MUST BE OPENABLE.

EXCEPTION: GLAZED AREAS SHALL NOT BE REQUIRED WHERE ARTIFICIAL LIGHT IS PROVIDED.

Revise Section R308.4.1 to add a 3rd exception as follows:

3. WHERE THE EXPOSED BOTTOM EDGE OF THE GLAZING IS GREATER THAN 60 INCHES (1524 MM) MEASURED VERTICALLY ABOVE ADJACENT STANDING OR WALKING SURFACES.

Delete exception 3 in Section R308.4.2 as follows:

R308.4.2 Glazing adjacent doors.

Exceptions:

~~3. Glazing in walls on the latch side of and perpendicular to the plane of the door in a closed position.~~

Revise the exception in Section R308.4.5 as follows:

Exception: Glazing that is more than 60 inches (1524 mm), measured horizontally and in a straight line, from the water's edge of a ~~bathub~~, hot tub, spa, ~~whirlpool~~, or swimming pool.

Delete Section R309.5 Fire Sprinklers in its entirety and replace with the following text:

R309.5 FIRE PROTECTION WATER SUPPLY IN GARAGES.
FIRE PROTECTION WATER SUPPLIES FOR RESIDENTIAL GARAGES SHALL BE PROVIDED IN ACCORDANCE WITH THE INTERNATIONAL FIRE CODE (IFC) SECTION 507 AND FIRE FLOW SHALL BE PROVIDED IN ACCORDANCE WITH THE INTERNATIONAL FIRE CODE, APPENDIX B.

Revise Section R311.3.1 as follows:

R311.3.1 Floor elevations at ~~the required egress~~ EXTERIOR doors.
Landings or finished floors at ~~the required egress~~ EXTERIOR doorS shall ~~not~~ be **FLUSH WITH THE INTERIOR FINISH FLOOR ELEVATION** ~~more than 1 1/2 inches (38mm)~~ lower than the top of the threshold.

Exception: The landing or floor on the exterior side shall not be more than 7-3/4 inches (196 mm) below the top of the threshold **NOR LESS THAN 4 INCHES (52 MM) BELOW THE THRESHOLD OF A DOOR. WHEN LOCATED LOWER THAN** ~~provided~~ the INTERIOR FINISH FLOOR LEVEL, **THE DOOR** shall not swing over the landing or floor.

(remainder of section unchanged)

Delete Section R313 AUTOMATIC FIRE SPRINKLER SYSTEMS in its entirety and replace with the following:

R313 FIRE PROTECTION WATER SUPPLY.
FIRE PROTECTION WATER SUPPLIES FOR RESIDENTIAL STRUCTURES SHALL BE PROVIDED IN ACCORDANCE WITH THE INTERNATIONAL FIRE CODE (IFC) SECTION 507 AND FIRE FLOW SHALL BE PROVIDED IN ACCORDANCE WITH THE INTERNATIONAL FIRE CODE, APPENDIX B.

Revise Section R314.3 to add a 4th location as follows:

4. WHERE THE CEILING HEIGHT OF A ROOM OPEN TO THE HALLWAY SERVING SLEEPING AREAS, EXCEEDS THAT OF THE HALLWAY BY 24 INCHES (610 MM), SMOKE ALARMS SHALL BE LOCATED IN THE ROOM OR AREA IMMEDIATELY PRECEDING THE HALLWAY.

Add new Section R324 Sound Attenuation as follows:

R324 SOUND ATTENUATION.

ONE AND TWO FAMILY DWELLINGS SHALL BE SUBJECT TO THE FOLLOWING PROVISIONS:

- 1) EXTERIOR WALL PENETRATIONS BY PIPE DUCTS OR CONDUITS SHALL BE CAULKED**
- 2) WINDOWS SHALL HAVE MINIMUM SOUND TRANSMISSION RATING OF STC-22.**

- 3) ALL NON-GLAZED PORTIONS OF EXTERIOR SIDE-HINGED DOORS SHALL BE SOLID-CORE WOOD OR INSULATED HOLLOW METAL OR NOT LESS THAN 1-3/4 INCHES (44.5 MM) THICK
- 4) FIREPLACES SHALL BE PROVIDED WITH TIGHT FITTING DAMPERS
- 5) EXTERIOR WALLS SHALL BE NOT LESS THAN 4 INCHES (102 MM) IN NOMINAL THICKNESS AND SHALL BE FINISHED ON THE OUTSIDE WITH BLOCK, SIDING, SHEATHING, OR STUCCO OVER MINIMUM ONE INCH (25 MM) THICK STYROFOAM. FIBERGLASS OR CELLULOSE INSULATION NOT LESS THAN 3-1/2 INCHES (89 MM) THICK SHALL BE INSTALLED WITH IN THE WALLS CAVITY

NOTE: SOUND ATTENUATION TO A MAXIMUM INTERIOR TO EXTERIOR NOISE TRANSFER OF 45 DECIBELS MAY BE CERTIFIED BY A REGISTERED ARCHITECT OR ENGINEER AT TIME OF FINAL CONSTRUCTION IN LIEU OF THE PRESCRIPTIVE REQUIREMENTS OF THIS SECTION.

CHAPTER 4

Revise Section R401.3 as follows:

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

Exception: Where *lot lines*, walls, slopes or other physical barriers prohibit 6 inches (152 mm) of fall within 10 feet (3048 mm), **THE FINAL GRADE SHALL SLOPE AWAY FROM THE FOUNDATION AT NOT LESS THAN 5 PERCENT AND THE WATER SHALL BE DIRECTED TO** drains or swales ~~shall be constructed~~ to ensure drainage away from the structure. **SWALES SHALL BE SLOPED A MINIMUM OF 1 PERCENT WHEN LOCATED WITHIN 10 FEET (3048 MM) OF THE BUILDING FOUNDATION. SLOPES LESS THAN 1 PERCENT MAY BE UTILIZED WHEN APPROVED BY THE TOWN ENGINEER DUE TO LIMITING FACTORS AND WHEN ROOF GUTTERS ARE PROVIDED TO DIRECT DRAINAGE AWAY FROM AREAS SLOPED AT LESS THAN 1 PERCENT. IN NO CASE SHALL SWALES BE SLOPED AT LESS THAN 0.5 PERCENT.** Impervious surfaces within 10 feet (3048 mm) of the building foundation shall be sloped a minimum of 2 percent away from the building.

CHAPTER 8

Revise Section R802.11.1 by deleting the entire text and replacing it as follows:

Section R802.11.1 Uplift resistance.

UPLIFT RESISTANCE SHALL BE DETERMINED BY METHOD 1 OR 2 BELOW:

1. DESIGN-BASED WIND UPLIFT CRITERIA:

WIND UPLIFT REQUIREMENTS SHALL BE DETERMINED BY USING THE DESIGN WIND VALUE OF 110 MPH WITHIN TABLE R802.11 FOR THE CONTINUOUS LOAD PATH TRANSMITTING THE UPLIFT FORCES FROM THE RAFTER OR TRUSS TIES TO THE FOUNDATION.

2. PRESCRIPTIVE-BASED WIND UPLIFT CRITERIA (PLEASE NOTE THAT THE REQUIREMENTS OF THIS SECTION ARE IN ADDITION TO THOSE REQUIRED FOR THE STRUCTURAL CONNECTION OF WOOD MEMBERS)

2.1. CONVENTIONAL FRAMED WOOD OR COLD-FORMED STEEL STRUCTURES. BEARING WALL VERTICAL CONNECTIONS SHALL BE MADE BY USE OF APPROVED STRUCTURAL SHEATHING OR BY APPROVED STRAP TIES TO PROVIDE A CONTINUOUS LOAD PATH FROM THE JOIST OR TRUSSES THROUGH THE LEDGER OR TOP PLATE TO THE FOUNDATION SILL PLATE. WHERE STRAP TIE FASTENERS ARE USED THEY SHALL BE SPACED AT INTERVALS NOT TO EXCEED 24 INCHES (610 MM). KING STUDS REQUIRE NOT LESS THAN TWO FASTENERS AT THE TOP AND BOTTOM OF EACH STUD. ALL HEADERS SHALL BE CONNECTED TO KING STUDS WITH STRAP TIE FASTENERS LISTED FOR THAT PURPOSE. STUDS ABOVE HEADERS SHALL BE FASTENED AT INTERVALS NOT TO EXCEED 24 INCHES (610 MM). FASTENERS ARE NOT REQUIRED FOR STUDS LOCATED BELOW WINDOW SILLS. PLATFORM FRAMING REQUIRES CONTINUOUS SHEATHING SPANNING ACROSS RIM JOIST, OR STUD TO STUD METAL TIE STRAPPING LISTED FOR THAT PURPOSE. NON-BEARING EXTERIOR WALLS SHALL BE FASTENED AT INTERVALS NOT TO EXCEED 48 INCHES (1219 MM).

CHAPTER 13

Add new Section M1307.7 as follows:

M1307.7 LIQUEFIED PETROLEUM APPLIANCES. LIQUEFIED PETROLEUM (LPG) APPLIANCES SHALL NOT BE INSTALLED IN A LOCATION, SUCH AS A PIT OR AN ATTIC, WHERE POTENTIAL FOR PONDING OR RETENTION OF GAS EXISTS.

CHAPTER 14

Revise Section M1403.2 as Follows:

M1403.2 Foundations and supports. Supports and foundations for ~~the outdoor unit of a heat pump~~ **MECHANICAL SYSTEMS** shall be raised at least 3 inches (76 mm) above the ~~ground~~ **FINISHED GRADE** ~~to permit free drainage of defrost water~~ and shall conform to the manufacturer's installation instructions.

Revise Section M1411.2 by adding the following text at the end of the paragraph:

**CONDENSATE DISPOSAL SHALL BE ALLOWED TO TERMINATE AS FOLLOWS:
1. INTO A FIXTURE TAILPIECE BY MEANS OF A DIRECTIONAL FITTING; OR TO A WASTE AIR GAP FITTING OR LAUNDRY TRAY EQUIPPED WITH A SECONDARY DRAIN.**

2. ABOVE THE FINISHED GRADE OUTSIDE THE BUILDING IN AN AREA CAPABLE OF ABSORBING THE CONDENSATE FLOW WITHOUT SUB-SURFACE DRAINAGE.

3. OVER ROOF DRAINS EQUIPPED WITH DRAINAGE PIPES THAT TERMINATE AT OR ABOVE GRADE, AND IN AN AREA CAPABLE OF ABSORBING CONDENSATE FLOW WITHOUT SURFACE DRAINAGE.

Delete and replace the last sentence of Section M1411.3.2 with the following:

WHERE THE DRAIN PIPES FROM MORE THAN ONE UNIT ARE MANIFOLDED TOGETHER FOR CONDENSATE DRAINAGE, THE PIPE OR TUBING SHALL BE SIZED IN ACCORDANCE WITH THE INTERNATIONAL MECHANICAL CODE, TABLE 307.2.2.

CHAPTER 15

Revise Section M1503.1 as follows:

M1503.1 General. Range hoods shall discharge to the outdoors through a single-wall duct. The duct serving the hood shall have a smooth interior surface, shall be air tight, shall be equipped with a back-draft damper, and shall be independent of all other exhaust systems. **CHANGES IN SIZE OR DIRECTION SHALL BE MADE BY USE OF AN APPROVED TRANSITION FITTING.** Ducts serving range hoods shall not terminate in an attic or crawl space or in areas inside the building.

(exception unchanged)

Add new Section M1507.5 as follows:

M1507.5 MECHANICAL VENTILATION. ALL BATHROOMS AND TOILET ROOMS SHALL BE PROVIDED WITH MECHANICAL VENTILATION. VENTILATION EQUIPMENT AND SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH THIS SECTION.

CHAPTER 17

Add new Section M1701.3 as follows:

M1701.3 TWO OPENINGS OR DUCTS. OUTSIDE COMBUSTION AIR SHALL BE PROVIDED THROUGH AN OPENING OR DUCT LOCATED WITHIN 12 INCHES (305MM) OF THE TOP AND WITHIN 12 INCHES (305MM) OF THE BOTTOM OF ENCLOSED SPACES. OPENINGS MAY CONNECT TO SPACES DIRECTLY COMMUNICATING WITH THE OUTDOORS, SUCH AS VENTILATED ATTICS OR CRAWL SPACES. A SINGLE DUCT OR OPENING SHALL NOT SERVE BOTH COMBUSTION AIR OPENINGS. DUCTS SERVING THE LOWER OPENING OF LIQUID PETROLEUM GAS (LPG) APPLIANCES SHALL BE LOCATED AT THE LOWEST FLOOR LEVEL AND SHALL NOT CONTAIN TRAPS OR POCKETS.

CHAPTER 20

Revise Section M2005.2 as follows:

M2005.2 Prohibited locations. Fuel-fired water heaters shall not be installed in a ~~room used as a storage~~ CLOTHES closet. Water heaters located in a bedroom or bathroom shall be installed in a sealed enclosure so that *combustion air* will not be taken from the living space. Installation of direct-vent water heaters within an enclosure is not required.

CHAPTER 24

Revise the first paragraph of Section G2406.2 as follows:

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

Add a new **Exception 2.** to Section G2408.2 as follows:

Exception:

1. Elevation of ignition sources is not required for appliances that are listed as flammable vapor ignition resistant.
2. **ELEVATION OF IGNITION SOURCES IS NOT REQUIRED FOR DOMESTIC CLOTHES DRYERS WITHIN PRIVATE GARAGES FOR SINGLE FAMILY RESIDENCES.**

Revise Section G2415.12 as follows:

G2415.12 (404.12) Minimum burial depth. METALLIC Underground *pipng systems* shall be installed a minimum ~~depth~~ of 12 inches (305 mm) below grade. ~~except as provided for in Section G2415.12.1~~ **NON-METALLIC PIPING SHALL BE LOCATED NOT LESS THAN 18 INCHES (457 MM) BELOW GRADE.**

Delete Section G2415.12.1 “Individual outside appliances” in its entirety.

At Section G2427.6.3, sub-section 1, replace “8 feet (2438 mm)” with “**4 FEET (1219 MM)**”

CHAPTER 25

Revise Section P2503.7 as follows:

P2503.7 Water-supply system testing. Upon completion of the water-supply system or a section of it, the system or portion completed shall be tested and proved tight under a water pressure of not less than the working pressure of the system or, ~~for piping systems other than plastic,~~ by an air test of not less than 50 psi (345 kPa). This pressure shall be held for not less than 15 minutes. The water used for tests shall be obtained from a potable water source.

CHAPTER 26

At Section P2603.5.1 Sewer Depth, where [NUMBER] is requested insert 12 INCHES (305 MM)

CHAPTER 28

Add new section P2803.8 to read:

P2803.8 REPLACEMENT WATER HEATERS. THE FOLLOWING ALTERNATIVE METHOD MAY BE USED FOR REPLACEMENT WATER HEATERS WHEN IT IS IMPRACTICAL TO RUN THE TEMPERATURE AND PRESSURE RELIEF VALVE DISCHARGE LINE TO THE EXTERIOR OF A RESIDENCE:

1. A DRAIN PAN SHALL BE INSTALLED UNDER THE WATER HEATER.
2. THE TEMPERATURE RELIEF VALVE SHALL BE SET TO A MAXIMUM OF 210 DEGREES AND THE PRESSURE RELIEF VALVE TO 150 PSI WITH A LINE DRAINING INTO THE PAN.

CHAPTER 29

Delete Section P2904.1.1 “Required sprinkler locations” in its entirety and replace with the following:

P2904.1.1 FIRE PROTECTION WATER SUPPLY AND FIRE FLOW. FIRE PROTECTION WATER SUPPLIES FOR RESIDENTIAL STRUCTURES SHALL BE IN ACCORDANCE WITH THE INTERNATIONAL FIRE CODE (IFC) SECTION 507 AND FIRE FLOW SHALL BE PROVIDED IN ACCORDANCE WITH IFC APPENDIX B.

CHAPTER 30

Revise Section P3005.2.10 as follows:

P3005.2.10 Cleanout equivalent. A ~~fixture trap or a~~ fixture with an integral trap, readily removable without disturbing concealed piping shall be acceptable as a cleanout equivalent.

Revise Section P3008.1 as follows:

P3008.1 Sewage backflow. Where the ~~flood level rims of plumbing fixtures are below~~ **FINISH FLOOR ELEVATION IS LESS THAN 12 INCHES (305 MM) ABOVE** the elevation of the manhole cover of the next upstream manhole in the public sewer, the fixtures shall be protected by a backwater valve installed in the *building drain*, branch of the *building drain* or horizontal branch serving ~~such fixtures~~ **THAT FLOOR LEVEL**. Plumbing fixtures **ON FLOOR LEVELS** ~~having flood level rims~~ **AT ELEVATIONS 12 INCHES (305 MM) OR GREATER** above the elevation of the manhole cover of the next upstream manhole in the public sewer shall not discharge through a ~~THE SAME~~ backwater valve.

CHAPTER 32

Revise Section P3201.2 as follows:

P3201.2 Trap seals and trap seal protection. Traps shall have a liquid seal not less than 2 inches (51 mm) and not more than 4 inches (102 mm). Traps for ~~floor~~ drains **SUBJECT TO EVAPORATION** shall be fitted with a trap primer, **TRAP SEAL PROTECTION DEVICE**, or shall be of the deep seal design. Trap seal primer valves shall connect to the trap at a point above the level of the trap seal.

CHAPTER 37

Add new Section E3703.7 to read:

E3703.7 DISHWASHER/GARBAGE DISPOSER BRANCH CIRCUITS. DISHWASHER AND GARBAGE DISPOSERS MAY SHARE A SINGLE 20 AMPERE BRANCH CIRCUIT.