

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

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

**CHAPTER 1**

Substitute **BUILDING OFFICIAL** in all locations where “code official” is referenced within this code.

At Section 101.1 replace [NAME] in text to read as follows:

“These regulations shall be known as the *International Plumbing Code* of [**THE TOWN OF ORO VALLEY**] hereinafter referred to as “this code.”

Revise the last sentence of the first paragraph in Subsection 101.2 as follows:

Provisions in the appendices shall not apply unless specifically adopted; **THEREFORE, THE FOLLOWING APPENDICES ARE ADOPTED AS PART OF THIS CODE:**

**APPENDIX A- (AS AMENDED)**  
**APPENDIX B- RATES OF RAINFALL FOR VARIOUS CITIES (AS AMENDED)**  
**APPENDIX C- VACUUM DRAINAGE SYSTEM**  
**APPENDIX D- DEGREE DAY AND DESIGN TEMPERATURES**  
**APPENDIX E- SIZING OF WATER PIPING SYSTEM**  
**APPENDIX F- STRUCTURAL SAFETY**

Delete Section 104 in its entirety and substitute Section 104 of the 2012 edition of the International Building Code with amendments thereto, in its entirety.

Delete Section 106.3.3 in its entirety and substitute Section 105.3.2 of the 2012 edition of the International Building Code with Amendments thereto, in its entirety.

Delete Section 106.5.3 in its entirety and substitute Section 105.5 of the International Building Code, 2012 edition, with Amendments thereto in its entirety

Delete Section 106.5.4 in its entirety and replace with the following text:

**106.5.4 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 PRIOR TO EXPIRATION OF THE PERMIT, AND JUSTIFIABLE CAUSE DEMONSTRATED. BEFORE WORK DEEMED TO HAVE EXPIRED CAN BE**

**RECOMMENCED, A NEW PERMIT SHALL FIRST BE OBTAINED TO DO SO, AND THE FEE THEREFORE SHALL BE ONE HALF THE AMOUNT REQUIRED FOR A NEW PERMIT FOR SUCH WORK, PROVIDED NO CHANGES HAVE BEEN MADE OR WILL BE MADE IN THE ORIGINAL PLANS AND SPECIFICATIONS FOR SUCH WORK AND PROVIDED FURTHER THAT SUCH SUSPENSION OR ABANDONMENT HAS NOT EXCEEDED ONE YEAR. IN ORDER TO RENEW A PERMIT WHICH HAS BEEN EXPIRED FOR GREATER THAN ONE YEAR, THE PERMITTEE SHALL PAY A FEE EQUIVALENT TO A NEW PERMIT.**

Delete Section 106.6 in its entirety and substitute Section 108 of the 2012 edition of the International Building Code with Amendments thereto, in its entirety.

Revise Section 108.4 as follows:

**108.4 Violation penalties.** Any persons who shall violate a provision of this code or shall fail to comply with any of the requirements thereof or who shall erect, install, alter or repair plumbing work in violation of the *approved* construction documents or directive of the code official, or of a permit or certificate issued under the provisions of this code, shall be ~~guilty of a [SPECIFY OFFENSE], punishable by a fine of not more than [AMOUNT] dollars or by imprisonment not exceeding [NUMBER OF DAYS], or both such fine and imprisonment~~ **SUBJECT TO PENALTIES AS PRESCRIBED BY LAW.** Each day that a violation continues after due notice has been served shall be deemed a separate offense.

Revise the last sentence of Section 108.5 as follows:

Any person who shall continue any work in or about the structure after having been served with a stop work order, except such work as that person is directed to perform to remove a violation of unsafe condition, shall be ~~liable to a fine of not less than [AMOUNT] dollars or more than [AMOUNT] dollars.~~ **SUBJECT TO PENALTIES AS PRESCRIBED BY LAW. EACH DAY THAT A VIOLATION OF A STOP WORK ORDER CONTINUES AFTER DUE NOTICE HAS BEEN SERVED SHALL BE DEEMED A SEPARATE OFFENSE.**

Delete Section 109 in its entirety and substitute Section 113 of the 2012 edition of the International Building Code with Amendments thereto, in its entirety.

### CHAPTER 3

Revise Section 305.4.1 as follows:

**305.4.1 Sewer Depth.** Building sewers that connect to private sewage disposal systems shall be installed not less than [**NUMBER 12**] inches (**304** mm) below finished grade at the point of septic connection. Building sewers shall be installed not less than [**NUMBER 12**] inches (**304** mm) below grade.

Revise Section 312.1 as follows:

**312.1 Required tests.** The permit holder shall make the applicable tests prescribed in Sections 312.2 through 312.10 to determine compliance with the provisions of this code. The permit

holder shall give reasonable advance notice to the code official when the plumbing work is ready for tests **INSPECTION**. The equipment, material, power and labor necessary for the inspection and test shall be furnished by the permit holder and the permit holder shall be responsible for determining that the work will withstand the test pressure prescribed in the following tests. All plumbing system piping shall be tested with either water or, for piping systems other than plastic, by air. After the plumbing fixtures have been set and their traps filled with water, the entire drainage system shall be submitted to final tests. The code official shall require the removal of any cleanouts if necessary to ascertain whether the pressure has reached all parts of the system.

Revise section 314.2.1 by adding the following at the end of the paragraph:

**LOCATIONS FOR TERMINATION OF CONDENSATE DRAINS SHALL BE AS FOLLOWS:**

- 1. INTO AN ACCESSIBLE FIXTURE TAILPIECE THROUGH A DIRECTIONAL FIXTURE FITTING; FUNNEL DRAIN; WASTE AIR GAP FITTING; FLOOR SINK, MOP SINK; OR LAUNDRY TRAY**
- 2. AT OR BELOW GRADE OUTSIDE OF THE BUILDING IN AN AREA CAPABLE OF ABSORBING THE CONDENSATE FLOW WITHOUT SURFACE DRAINAGE.**
- 3. OVER ROOF DRAINS THAT CONNECT TO DRAINAGE PIPES PROVIDED THEY TERMINATE AT OR ABOVE GRADE IN AN AREA CAPABLE OF ABSORBING THE CONDENSATE FLOW WITHOUT SURFACE DRAINAGE**

**CHAPTER 4**

Add an exception to Section 405.3.1 as follows:

**EXCEPTION:**

- 1. SIDE CLEARANCES FOR ACCESSIBLE OR AMBULATORY WATER CLOSETS SHALL COMPLY WITH ICC/ANSI A117.1.**

Revise Section 410.3 by adding the following at the end of the paragraph:

**BOTTLED WATER MAY BE SUBSTITUTED FOR FIXED DRINKING FOUNTAINS IN MERCANTILE CLASSIFICATIONS WITH A TOTAL FLOOR AREA NOT GREATER THAN 1500 SQUARE FEET. DRINKING FOUNTAINS SHALL BE LOCATED IN AN AREA READILY ACCESSIBLE TO THE PUBLIC WITH SIGNAGE STATING THAT “DRINKING WATER IS FOR PUBLIC USE”. IN CONSTRUCTION, WHERE IMPROVEMENTS INCLUDE THE ADDITION OR RELOCATION OF PLUMBING FIXTURES, A WATER SUPPLY AND RECEPTACLE OUTLET FOR A DRINKING FOUNTAIN SHALL BE PROVIDED FOR FUTURE USE.**

Add new section 420.5 to read as follows:

**420.5 SURROUNDING MATERIAL. WALLS WITHIN 2 FEET (610 MM) OF WATER CLOSETS SHALL HAVE A SMOOTH, HARD, NONABSORBENT SURFACE TO A HEIGHT OF 4 FEET (1219 MM) ABOVE THE FLOOR, AND EXCEPT FOR STRUCTURAL ELEMENTS, THE MATERIAL USED IN SUCH WALLS SHALL BE OF A TYPE THAT IS NOT ADVERSELY AFFECTED BY MOISTURE.**

## CHAPTER 5

Add new section 504.6.1 to read as follows:

**SECTION 504.6.1 REPLACEMENT WATER HEATERS. REPLACEMENT WATER HEATERS SHALL COMPLY WITH THE FOLLOWING WHEN IT IS NOT PRACTICAL TO RUN THE TEMPERATURE AND PRESSURE RELIEF VALVE LINE TO AN OTHERWISE APPROVED DISCHARGE POINT:**

- 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 6

Revise Table 604.4 as follows:

**TABLE 604.4  
MAXIMUM FLOW RATES AND CONSUMPTION FOR  
PLUMBING FIXTURES AND FIXTURE FITTINGS**

<b>PLUMBING FIXTURE OR FIXTURE FITTING</b>	<b>MAXIMUM FLOW RATE OR QUANTITY<sup>b</sup></b>
Lavatory, private	2.2 gpm at 60 psi
Lavatory, public (metering)	0.25 gallon per metering cycle
Lavatory, public (other than metering)	0.5 gpm at 60 psi
Shower head <sup>a</sup>	2.5 gpm at 80 psi
Sink faucet	2.2 gpm at 60 psi
Urinal	<del>1.0</del> <b>0.125</b> gallon per flushing cycle
Water closet	1.6 gallons per flushing cycle

For SI: 1 gallon = 3.785 L, 1 gallon per minute = 3.785 L/m,

1 pound per square inch = 6.895 kPa.

- A hand-held shower spray is a shower head.
- Consumption tolerances shall be determined from referenced standards.

## CHAPTER 7

Revise Section 715.1 as follows:

**Section 715.1 Sewage backflow.** Where plumbing fixtures are installed on a floor with a finished floor elevation **LESS THAN 12 INCHES (305 MM) ABOVE** ~~below~~ the elevation of the manhole cover of the next upstream manhole in the *public sewer*, such

fixtures shall be protected by a backwater valve installed in the *building drain*, or horizontal *branch* serving ~~such fixtures~~ **THAT FLOOR LEVEL** such fixtures. Plumbing fixtures installed on a floor **LEVELS AT ELEVATIONS 12 INCHES (305 MM) OR GREATER THAN** ~~with a finished floor elevation above~~ the elevation of the manhole cover of the next upstream manhole in the *public sewer* shall not discharge through **THE SAME** a backwater valve.

## CHAPTER 9

Revise section 903.1 as follows:

**903.1 Roof extension.** Open vent pipes that extend through a roof shall be terminated not less than [~~NUMBER 6~~] inches (**152 mm**) above the roof, except where the roof is to be used for any other purpose other than weather protection, the vent extensions shall terminate not less than 7 feet (2134 mm) above the roof.

Add new Section 903.8 as follows:

**903.8 VENT SUPPORT. VENTS THAT EXTEND ABOVE ROOFS OR GRADE SHALL BE SECURED WITH GUY WIRE OR EQUIVALENT SUPPORT TO EFFECTIVELY MAINTAIN ALIGNMENT.**

## CHAPTER 10

Add an exception 1. to Section 1002.4 as follows:

**EXCEPTION:**

**1. A LISTED TRAP SEAL PROTECTION DEVICE MAY BE USED AS A SUBSTITUTE FOR A TRAP PRIMER.**

## APPENDIX A

Delete Appendix A and replace with the following:

**SEE THE TOWN OF ORO VALLEY BUILDING VALUATION DATA SCHEDULE AND FEE SCHEDULES FOR PLUMBING PERMIT FEES.**

## APPENDIX B

Revise APPENDIX B for “Arizona” as follows:

**Arizona:**

Flagstaff.....2.4  
Nogales.....3.1  
Phoenix.....2.5  
**TUCSON.....3.0**  
Yuma.....1.6