



**CONSTRUCTION TIP SHEET**  
**2003 vs. 2006 Uniform Plumbing Code &**  
**2003 vs. 2006 International Fuel Gas Code**  
 June 2007

2006 UPC & 2006 IFGC

**2006 UNIFORM PLUMBING CODE**

Description	Code Section	Change
Nail plates	313.9	Nail plates must extend a minimum of 1-1/2 inches beyond the outside diameter of the pipe or tubing.
Tub waste openings	313.12.4	Tub waste openings in framed construction to crawl spaces at or below the first floor shall be protected by the installation of approved metal collars or metal screens securely fastened to the adjoining structure with no opening greater than 1/2-inch in the least dimension.
Showers	411.7	Only where a shower is installed in place of an existing bathtub, the shower receptor may have a minimum overall dimension of 30-inches in width and 60-inches in length.
Access to pumps for jetted tubs	414.1	A removable panel is required for access to pumps serving whirlpool bathtubs. Where access is located in a crawl space the pump access shall not be located more than 20 feet from the crawl space access.
Hot water limitation for bathtubs	414.5	Water temperature discharging from bathtub and whirlpool bathtub fillers shall not exceed 120° F. The water heater thermostat shall not be considered a control for meeting this provision.
Fuel-gas fired water heater location	505.1	See discussion of Section 303.3 of the International Fuel Gas Code.
Single-wall heat exchangers	506.4.2 603.4.4	The code now provides allowance for the use of indirect-fired water heaters that incorporate a single-wall heat exchanger with specific conditions regarding the maximum pressure, type of heat medium used, and labeling requirements.
Backflow protection at point of use	602.2	Each point of use shall be separately protected when potential cross-contamination of individual units exists. There is an exception for Dialysis Water Systems in Section 603.4.21.1.
Drain lines serving backflow assemblies	603.3.9	All drain lines serving backflow devices or assemblies shall be sized in accordance with the discharge rates of the manufacturer's flow charts of such devices or assemblies.
Backflow protection for swimming pools, spas and hot tubs	603.4.23	The potable water supply shall be protected by an air gap or RPBA when (1) the unit is equipped with a submerged fill line, or (2) the supply is directly connected to the units circulation system.
Location of pressure reducing valves	608.2	PRV's shall be installed above ground or in a vault equipped with a bore-sighted drain to daylight.
Air chambers	609.10	Site-built air chambers are no longer accepted as an approved means for controlling water hammer.
Indirect connections to the drainage system	704.3	Except where specifically required to be connected indirectly to the drainage system, or when first approved by the Authority Having Jurisdiction, all plumbing fixtures, drains, appurtenances, and appliances shall be directly connected to the drainage system.

**GENERAL INFORMATION:**

- This sheet is not inclusive of all the changes, but is intended to address some of the more significant changes that may be different than current installation practices. Installers are encouraged to purchase the 2006 codes and examine these and other code changes for themselves.
- Consult your local jurisdiction for any local amendments that may have been made to these codes.
- Obtain a building permit before starting construction.
- Author: Plumbing Inspection Section of Public Health - Seattle & King County

Backwater valves	710.1	The determining factor for when a backwater valve is required shall be based on the floor level in relation to the next upstream manhole cover, not the flood rim of the individual fixture(s).
Bathroom wet venting (horizontal)	908.4	Very specific provisions for horizontal wet venting are included. This is limited to a maximum of two bathrooms that serve (are located within) dwelling units or sleeping units. This would apply to such units in multi-family buildings and hotels.
Combination waste and vent systems	910.6	A cleanout is required on each vent for combination waste and vent systems.
Grease traps/interceptors	1014.0	There are significant revisions to the grease retention provisions, including the deletion of Appendix H. All grease retention requirements, whether located inside or outside of the structure are now found in Chapter 10. The revisions include both sizing and installation requirements. Keep in mind that local sewer utilities may require additional requirements for grease retention that may differ from the plumbing code provisions.

### 2006 INTERNATIONAL FUEL GAS CODE

Description	Code Section	Change
Gas-fired appliances in bathroom or bedroom closets	303.3	The code currently allows the gas-fired appliance (typically a water heater or furnace) to be located in an enclosure accessed through a bedroom or bathroom under certain conditions. The same allowances remain, except that the enclosure must be a dedicated enclosure serving to house the appliance only. The enclosure cannot serve as a clothes or storage closet and house the appliance also.
Gas piping in townhouses	404.1	Piping installed downstream of the point of delivery shall not extend through any townhouse unit other than the unit served by such piping.
Venting of gas pressure regulators	410.3	For pressure regulators that are required to be vented, the vent piping shall not be smaller than the vent connection on the regulator. Vent piping serving relief vents and combination relief and breather vents shall be run independently to the outdoors and shall serve only a single device vent. Vent piping serving only breather vents is permitted to be connected in a manifold arrangement where sized in accordance with an approved design that minimizes back pressure in the event of diaphragm rupture.

#### GENERAL INFORMATION:

- This sheet is not inclusive of all the changes, but is intended to address some of the more significant changes that may be different than current installation practices. Installers are encouraged to purchase the 2006 codes and examine these and other code changes for themselves.
- Consult your local jurisdiction for any local amendments that may have been made to these codes.
- Obtain a building permit before starting construction.
- Author: Plumbing Inspection Section of Public Health - Seattle & King County