



## Residential Plumbing Code Requirements

The City of East Peoria has adopted and follows the Illinois State Plumbing Code.

### Key points from the State Code:

Water Temperature Safety (890.690b) All shower compartments and shower-bath combinations shall be provided with an automatic safety water mixing device to prevent sudden unanticipated changes in water temperature or excessive water temperatures. The automatic safety water mixing device shall be either thermostatic, pressure balance, or combination controlled, in accordance with ANSI/ASSE 1016-1990, designed with a maximum handle rotation limit/stop, adjusted to a maximum setting of one hundred fifteen degrees F, at the time of installation. The temperature of mixed water provided to multi-shower units or gang showers shall be controlled by a master automatic safety mixing device or the mixed water temperature for such showers shall be individually regulated by automatic safety valves for each shower unit. A hot water heater thermostat shall not be an acceptable alternative water temperature control device.

Food Waste Disposal Units (890.710a) Food waste disposal units shall be trapped separately from any other fixture or compartment and shall be properly vented. Dishwashers shall not discharge into food waste disposal units. Units may have either automatic or hand-operated water supply control.

Water Hammer (890.1210f) All building water supply systems in which quick-acting valves are installed shall be provided with air chambers or approved mechanical devices or water hammer arrestors to absorb high pressures resulting from the quick closing of these valves. Water pressure absorbers shall be placed as close as possible to the quick-acting valves or be installed at the ends of long pipes run or near batteries of fixtures.

Change in Direction (890.1320i) Changes in direction shall be made in drainage piping by the use of 45 degree wyes, long sweeps, quarter, fifth, sixth, eighth, or sixteenth bends, or by a combination of these fittings. Single and double sanitary tees and short sweep quarter bends shall be used in drainage lines only where the direction of flow is from the horizontal to the vertical and may be used for making necessary vertical offsets between the ceiling and the floor above. *Exception: A short sweep drainage quarter bend of less than three inches diameter and placed in a horizontal to horizontal position for a stack vent arm may be used to receive the gray water.* (890.1320j) No fittings having a hub in the direction opposite to flow, or tee branch, shall be used as a drainage fitting. No running threads, bands, or saddles shall be used in the drainage system. No drainage or vent pipe or fitting shall be drilled or tapped.

Gravity Building Drain (890.1340b) The minimum size of any gravity building drain shall be four (4) inches in diameter.

Waste Stacks Serving Kitchen Sinks (890.1340d) In one or two family dwellings in which the water stack or vent receives the discharge of a kitchen sink and also serves as a vent for fixtures connected to the horizontal portion of the branch served by the waste stack, the minimum size of the stack up to the highest sink branch connection shall be two inches in diameter. Above that point the size of the stack shall be governed by the total number of fixture units vented by the stack.