



**CITY OF BARTLETT
CODE AMENDMENTS TO THE**

**2018
INTERNATIONAL
RESIDENTIAL CODE
FOR PLUMBING (CHAPTERS 25 – 33)**

RESIDENTIAL PLUMBING CODE

AMEND Section 105.1 as follows:

105.1 Required. Any owner or owner's authorized agent who intends to construct, enlarge, alter, move, demolish or change the *occupancy* of a building or structure which is regulated by this code, or to cause any such work to be performed, shall first make application to the code official and obtain the required permit for work.

ADD Section 105.1.3 as follows:

105.1.3 Plumbing permits. A licensed *Plumbing Contractor* who desires to construct, enlarge, alter, move, demolish or change the *occupancy* of a building or structure, or to erect, install, remove, convert or replace any plumbing system, the installation of which is regulated by this code, or to cause any such work to be performed, shall first make application to the code official and obtain the required permit for work.

AMEND Section 202 as follows:

Building Official. Whenever the term "*Building Official*" is used in the City of Bartlett Plumbing Code herein adopted, it shall mean the Director of the City of Bartlett Code Enforcement.

Air Conditioning Unit. The condensate or waste from an air conditioning unit shall be classified as a plumbing fixture and shall connect to the plumbing system as an indirect connection as per amendments of Chapter 3 of this Code.

Board of Appeals. Whenever the term "Board of Appeals" is used in the City of Bartlett Plumbing Code herein adopted, it shall mean the Code Appeals Board of Bartlett, Tennessee.

Building Department. Whenever the term "Building Department" is used in the technical codes herein adopted, it shall mean the Office of Construction Code Enforcement of Bartlett, Tennessee.

Building Official. The officer or the other designated authority, or their duly authorized representative, charged with the administration and enforcement of the technical codes.

Chief Appointing Authority. Whenever the term "Chief Appointing Authority" is used in the technical codes herein adopted, it shall mean the Mayor of the City of Bartlett, Tennessee.

City Municipality or Governing Body. Whenever the word "City" or "Municipality" or "Governing Body" is used in the technical codes herein adopted, it shall mean the City of Bartlett, Tennessee.

International Building Code. Whenever the words "International Building Code" are used in the codes herein adopted, they shall mean the 2021 International Building Code with the City of Bartlett TN amendments.

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International Electrical Code. Whenever the words “International Electrical Code” are used in the codes herein adopted, they shall mean the 2017 National Electrical Code (NEC) with the City of Bartlett TN amendments.

International Fuel Gas Code. Whenever the words “International Fuel Gas Code” are used in the codes herein adopted, they shall mean the 2021 International Fuel Gas Code with the City of Bartlett TN amendments.

International Mechanical Code. Whenever the words “International Mechanical Code” are used in the codes herein adopted, they shall mean the 2021 International Mechanical Code with the City of Bartlett TN amendments.

International Plumbing Code. Whenever the words “International Plumbing Code” is used in the codes herein adopted, they shall mean the 2021 International Plumbing Code with the City of Bartlett TN amendments.

International Residential Code. Whenever the words “International Residential Code” is used in the codes herein adopted, they shall mean the 2018 International Residential Code with the City of Bartlett TN amendments.

Plumbing Contractor. Whenever the term “Plumbing Contractor” is used in the Technical Codes herein adopted, it shall mean a plumbing contractor who holds a current license issued by State of Tennessee or Shelby County Construction Code Enforcement.

Workmanship. Workmanship shall mean that the plumbing system be installed uniform in slope, plumb, and level (as required) without stress or strain to piping or structure as required by other sections of the Code. Valves, pipes and fitting shall be installed in correct relationship to the direction of flow.

ADD Section P2601.4 as follows:

P2601.4 Future Baths. When a future bath is indicated on the house plans, only a short piece of 3 inch (76 mm) pipe with a hard cap and short stub of water lines beside the 3 inch (76 mm) pipe and insulated in the ceiling. The vent shall be carried through the roof. Plumber will count this as (1) fixture unit on the permit.

ADD Section P2601.5 as follows:

P2601.5 Blocking. All piping passing through top plates and bottom plates shall be sealed with caulk or insulating foam spray.

AMEND Section P2603.5.1 as follows:

P2603.5.1 Sewer depth. Building sewers that connect to private sewage disposal systems shall be a maximum of 12 inches (305 mm) below finished grade at the point of septic tank connection. Building sewers shall be a minimum of 12 inches (305 mm) below grade. The dimensions shall be taken from the top of the pipe.

AMEND Table P2605.1 as follows:

Table P2605.1 Copper or copper-alloy piping to be supported vertical at mid-story.

ADD SECTION P2706.2 Exception #3 as follows:

P2706.2 Exception #3: Plumbing fixtures may receive indirect waste from condensing appliances.

ADD Section P2706.3 as follows:

P2706.3 Condensate disposal. Condensate from air or water heating or cooling equipment shall be disposed as provided in Section M1411.3 as amended.

AMEND Section P2709.4.1 as follows:

P2709.4.1 Shower waste outlet. Waste outlets serving showers shall be at least 2 inches (51 mm) in diameter and, for other than waste outlets in bathtubs, shall have removable strainers not less than 3 inches (76 mm) in diameter with strainer openings not less than ¼ inch (6.4 mm) in least dimension. Where each shower space is not provided with an individual waste outlet, the waste outlet shall be located and the floor pitched so that waste from one shower does not flow over the floor areas serving another shower. Waste outlets shall be fastened to the waste pipe in an *approved* manner.

AMEND Section P2713.1 as follows:

P2713.1 Bathtub Waste Outlet and Overflows. Bathtubs shall be equipped with a waste outlet that is not less than 1 ½ inches (38 mm) in diameter. The waste outlet shall be equipped with water-tight stopper. Where overflow is installed, the overflow shall be not less than 1 ½ inches (38 mm) in diameter.

ADD Section P2801.3.1 as follows:

P2801.3.1 Water connections to water heaters. All water connections to water heaters shall be made with material from Table P2906.5. Flexible connectors shall not be used. Water cutoff valve shall not be located above tank cylinder.

AMEND Section P2801.6.1 as follows:

P2801.6.1 Pan size and drain. The pan shall be not less than 4 inches deep when installed on the first floor and shall be of sufficient size and shape to receive all dripping or condensate from the tank or water heater. The pan shall be drained by an indirect waste pipe having a minimum diameter of 1 inch or the outlet diameter of the required relief valve, whichever is larger. When the water heater is installed in the attic, a pan shall not be less than 6 inches (152 mm) deep and shall be 36 inches in diameter or 30 inches (762 mm) X 30 inches (762 mm) square. T&P valve piping shall be corrosion resistant and have a minimum pressure rating of 100 psi at 180 degree Fahrenheit as per Section 605.4. When multiple pan drains are piped together. The drain pipe from junction to termination will be increased one pipe size for each additional water heater connected to the drain. The maximum number of water heater pan drains shall be limited to four, with the maximum drain being 2 inches (51 mm) in diameter.

AMEND Section P2801.6.2 as follows:

P2801.6.2 Pan Drain Termination. The pan drain shall extend full-size and terminate over a suitably located indirect waste receptor or floor drain or extend to the exterior of the building and terminate not less than 6 inches (152 mm) and not more than 24 inches (610 mm) above the adjacent ground surface. A 90-degree ell turned down must be installed at the termination of the pan drain. The termination must be visible.

AMEND P2801.7 as follows:

P2801.7 Prohibited Locations. Gas fired water heaters shall not be located in the garage. Gas fired water heaters may be located in a closet in the garage if the door sealed from the garage and all combustion air is taken from outside or the attic per Section G2407.

AMEND Section P2902.5.3 as follows:

P2902.5.3 Connections to lawn irrigation systems. The potable water supply shall be protected against backflow by a reduced pressure backflow prevention assembly. Where chemicals are introduced into the system, the potable water supply shall be protected against backflow by a reduced pressure backflow prevention assembly.

AMEND Section P2903.7 as follows:

P2903.7 Size of water-service mains, branch mains and risers. The size of water service pipe shall be not less than 1 inch (25 mm) in diameter. The size of water-service mains, branch mains and risers shall be determined from the water supply demand [gpm (L/m)], available water pressure [psi (kPa)] and friction loss caused by the water meter and *developed length* of pipe [feet (m)], including *equivalent length* of fittings. The size of each water distribution system shall be determined according to design methods conforming to accepted engineering practice, such as those methods in Appendix P and shall be *approved* by the *building official*.

ADD Section P2906.4.3 as follows:

P2906.4.3 PVC Water Service. PVC underground water service pipe shall have a minimum wall thickness of SCH. 40 with permanent identification markings.

AMEND Table P2906.4 as follows:

Table P2906.4 Delete all references to Type M copper, WM copper.

AMEND Table P2906.5 as follows:

Table P2906.5 Delete all references to Type M copper, WM copper.

ADD Section P2910.1.1 as follows:

P2910.1.1 Connection between nonpotable water systems. No connection between on-site nonpotable water reuse systems and nonpotable rainwater collection and distribution systems are allowed. No connection between nonpotable rainwater collection and distribution systems and sanitary drainage systems are allowed.

ADD Section P2902.7 as follows:

P2902.7 Wells. All wells serving irrigation systems shall have a reduced pressure backflow prevention assembly to protect the well from backflow or back pressure.

AMEND Section P2906.16 as follows:

P2906.16 Flared joints. Flared joints in water tubing shall be made with *approved* fittings. The tubing shall be reamed and then expanded with a flaring tool. This fitting must be accessible with a permanent opening or an easily removable door.

AMEND Table P3002.1(2) as follows:

Table P3002.1(2) Delete all references to Type M copper.

AMEND Section P3002.2.2 as follows:

P3002.2.2 Building sewer pipe. No building sewer shall be less than 4 inches (102 mm) in diameter with the exception of forced lines. When plastic pipe is used on lines 4 inches (102 mm) and smaller, it shall have a wall thickness not less than SCH. 40 (0.237 inches or 6mm).

ADD Section P3012 as follows:

Section P3012 RESIDENTIAL SWIMMING POOLS

P3012.1 Waste Water Disposal, Generally. All waste water from permanent private swimming pools and wading pools shall have an indirect connection to the sanitary sewer and/or such connections and type of disposal shall be as determined by the Shelby County Health Department.

P3012.1.1 Discharge location. No waste water from a permanent or temporary type swimming pool or wading pool shall drain any water on any premise so as to permit waste water to run on adjoining premises. No waste water shall drain into the surface or into a storm water drain system.

P3012.2 Sand filtered pools. All pools with a sand filter shall have a drain pipe or hose that will reach from the pump to the required trap.

P3012.2.1 Trap requirements. Swimming pools capable of holding a depth of 36 inches or more with a sand filter shall require a 2 inch trap with a minimum of 4 inch seal installed at the nearest 3 inch or larger drain pipe or cleanout.

P3012.3 Cartridge filtered pools. Pools with a cartridge filter does not require a deep seal trap, but will need to be drained into the sanitary sewer at the nearest cleanout. Pool contractor shall furnish owner with a flexible hose to discharge waste water to sewer connection for above ground pools.

P3012.4 Permit required. A licensed plumber is required to pull the permit for the trap and drain piping. The plumber is responsible for all required piping and inspections.

P3012.5 Waste and deck drain piping. Waste and deck drain piping for pools shall comply with the provisions set forth in Chapters 3 and 8 of this code, as applicable to building sewers and underground piping within building.

P3012.6 Deck drain disposal. Any deck drain located within 7 feet of pool edge shall waste to sanitary system through catch basin. All others shall waste to grade or storm system. Deck shall be designed so that surface water, other than that within the 7 foot (2.17 m) limit, shall not enter sanitary system.

AMEND Section P3103.1.1 as follows:

P3103.1.1 Roof extension. Open vent pipes that extend through a roof shall be terminated not less than 10 inches (254 mm) above the roof.

AMEND Section P3103.1.2 as follows:

P3103.1.2 Roof used for recreational purposes. Where a roof is to be used for assembly, as a promenade, observation deck or sunbathing deck, or for similar purposes, open vent extension shall terminate not less than 10 feet (3.05 m) above the roof.

AMEND Table P3201.7 as follows:

Table P3201.7 Shower trap. Minimum size of trap shall be 2 inches (51 mm).