

AMENDMENTS TO THE INTERNATIONAL PLUMBING CODE

The International Plumbing Code, 2000 edition, adopted by the International Code Council with amendments contained therein, and with all appendices attached thereto, adopted by the Town of Talty, Texas, is amended as follows:

1. Table of Contents, Chapter 7, Section 714; is amended to provide as follows:

Section 714 Engineered Drainage Design 60

2. Section 102.8; is amended to provide as follows:

102.8 Referenced codes and standards. The codes and standards referenced in this code shall be those that are listed in Chapter 5 and this Chapter and such codes, when specifically adopted, and standards shall be considered part of the requirements of this code to the prescribed extent of each such reference. Where the requirements of reference standards or manufacturers installation instructions do not conform to minimum provisions of this code, the provisions of this code shall apply. Whenever amendments have been adopted to the referenced codes and standards, each reference to said code and standard shall be considered to reference the amendments as well. Any reference to NFPA 70 or the ICC Electrical Code shall mean the Electrical Code as adopted.

3. Section 106.6.2 is amended to provide as follows:

106.6.2 Fee Schedule. The fees for all plumbing work shall be as indicated in the Town's master fee schedule.

4. Section 106.6.3 is amended to delete subsections 2 and 3, leaving the remaining provisions as written.

5. Section 305.6.1; is amended to provide as follows:

305.6.1 Sewer depth. Building sewers shall be a minimum of 12 inches (304 mm) below grade.

6. Section 305.9; is amended to provide as follows:

305.9 Protection of components of plumbing system. Components of a plumbing system installed within 3 feet along alleyways, driveways, parking garages or other locations in a manner in which they would be exposed to damage shall be recessed into the wall or otherwise protected in an approved manner.

7. Section 310.4; is deleted

8. Sections 312.9.1 and 312.9.2; are amended to provide as follows:

312.9.1 Inspections. Annual inspections shall be made of all backflow prevention assemblies and air gaps to determine whether they are operable. In the absence of local provisions, the owner is responsible to ensure that testing is performed.

312.9.2 Testing. Reduced pressure principle backflow preventer assemblies, double check-valve assemblies, double-detector check valve assemblies and pressure vacuum breaker assemblies shall be tested at the time of installation, immediately after repairs or relocation and at least annually. The testing procedure shall be performed in accordance with applicable local provisions. In the absence of local provisions, the owner is responsible to ensure that testing is done in accordance with one of the following standards:

{list of standards unchanged}

9. Section 314.2.1; is amended to modify second sentence to provide as follows:

314.2.1 Condensate disposal. Condensate from all cooling coils and evaporators shall be conveyed from the drain pan outlet to an approved place of disposal. Condensate shall not discharge in a publicly exposed area such as into a street, alley, sidewalk or other areas so as to cause a nuisance.

10. Section 314.2.2; is amended to add a second paragraph provide as follows:

Condensate waste pipes from air-cooling coils may be sized in accordance with equipment capacity as follows:

Equipment Capacity in tons of refrigeration	Minimum Condensate Pipe Inside Diameter Up to
20 tons	3/4 inch
Over 20 to 40 tons	1 inch
Over 40 to 90 tons	1 1/4 inch

Over 90 to 125 tons	1 1/2 inch
Over 125 to 250 tons	2 inch

The size of condensate waste pipes may be for one unit or a combination of units, or as recommended by the manufacturer. The capacity of waste pipes assumes a 1/8-inch-per-foot slope, with the pipe running three-quarters full.

11. Section 314.2.3; is amended to add item #4 to provide as follows:

4. Discharge, as noted, shall be to a conspicuous point of disposal to alert occupants in the event of a stoppage of the drain. However, the conspicuous point shall not create a hazard such as dripping over a walking surface or other areas so as to create a nuisance.

12. Section 401.1; is amended to add a sentence to provide as follows:

The provisions of this Chapter are meant to work in coordination with the provisions of the Building Code. Should any conflicts arise between the two chapters, the Code Official shall determine which provision applies.

13. Section 403.1; is amended to provide as follows:

403.1 Minimum number of fixtures. Plumbing fixtures shall be provided for the type of occupancy and in the minimum number as follows:

1. Assembly Occupancies: At least one drinking fountain shall be provided at each floor level in an approved location.

Exception: A drinking fountain need not be provided in a drinking or dining establishment.

2. Groups A, B, F, H, I, M and S Occupancies: Buildings or portions thereof where persons are employed shall be provided with at least one water closet for each sex except as provided for in Section 403.2.

3. Group E Occupancies: Shall be provided with fixtures as shown in Table 403.1.4.
Group R Occupancies: Shall be provided with fixtures as shown in Table 403.1.

It is recommended, but not required, that the minimum number of fixtures provided also comply with the number shown in Table 403.1. Types of occupancies not shown

in Table 403.1 shall be considered individually by the code official. The number of occupants shall be determined by the International Building Code. Occupancy classification shall be determined in accordance with the International Building Code.

14. Section 403.1.2; is amended to provide as follows:

403.1.2 Finish material. Finish materials shall comply with Section 1209 of the International Building Code.

15. Section 404.2; is amended to provide as follows:

404.2 Unisex toilet and bathing rooms. In assembly and mercantile occupancies, an accessible unisex toilet room shall be provided where an aggregate of six or more male or female water closets are provided. In buildings of mixed occupancy, only those water closets ... {remainder of section unchanged}

16. Section 405.6; is deleted

17. Section 409.2; is amended to provide as follows:

409.2 Water connection. The water supply to a commercial dishwashing machine shall be protected against backflow by an air gap or backflow preventer in accordance with Section 608.

18. Section 410.1; is amended to provide as follows:

410.1 Approval. Drinking fountains shall conform to ASME A112.19.1, ASME A112.19.2 or ASME A112.19.9, and water coolers shall conform to ARI 1010.

Exception: A drinking fountain need not be provided in a drinking or dining establishment.

19. Section 412.4; is amended to provide as follows:

412.4 Required location. Floor drains shall be installed in the following areas.

1. In public coin-operated laundries and in the central washing facilities of multiple family dwellings, the rooms containing the automatic clothes washers shall be provided with floor drains located to readily drain the entire floor area.

2. Commercial kitchens. (in lieu of floor drains in commercial kitchens, the code official may accept floor sinks.)

20. Section 413.4; is amended to provide as follows:

413.4 Water supply required. All food waste grinders shall be provided with a supply of cold water. The water supply shall be protected against backflow by an air gap or with the installation of a backflow preventer in accordance with Section 608.

21. Section 417.5; is amended to provide as follows:

417.6 Shower floors or receptors. Floor surfaces shall be constructed of impervious, noncorrosive, nonabsorbent and waterproof materials.

Thresholds shall be a minimum of 2 inches (51 mm) and a maximum of 9 inches (229 mm), measured from top of the drain to top of threshold or dam. Thresholds shall be of sufficient width to accommodate a minimum twenty-two (22) inch (559 mm) door.

Exception: Showers designed to comply with ICC/ANSI A117.1.

22. Section 417.5.2; is amended to provide as follows:

417.5.2 Shower lining. Floors under shower compartments, except where prefabricated receptors have been provided, shall be lined and made water tight utilizing material complying with Sections 417.5.2.1 through 417.5.2.4. Such liners shall turn up on all sides at least 3 inches (76 mm) above the finished threshold level and shall extend outward over the threshold and fastened to the outside of the threshold jamb. Liners shall be recessed and fastened to an approved backing ...
{remainder of section unchanged}

23. Section 417.7 is amended to provide as follows:

417.7 Test for shower receptors. Shower receptors shall be tested for water tightness by filling with water to the level of the rough threshold. The drain shall be plugged in a manner so that both sides of pans shall be subjected to the test at the point where it is clamped to the drain.

24. Section 419.3; is amended to provide as follows:

419.3 Surrounding material. Wall and floor space to a point 2 feet (610 mm) in

front of a urinal lip and 4 feet (1219 mm) above the floor and at least 2 feet (610 mm) to each side of the urinal shall be waterproofed with a smooth, readily cleanable, hard, nonabsorbent material.

25. Section 502.5; is amended to provide as follows:

502.5 Water heaters installed in attics. Attics containing a water heater shall be provided ... {bulk of paragraph unchanged} ... side of the water heater. The clear access opening dimensions shall be a minimum of 20 inches by 30 inches (508 mm by 762 mm), or larger where such dimensions are not large enough to allow removal of the water heater.

26. Section 502.5.1; is added to provide as follows:

502.5.1 Electrical requirements. A lighting fixture controlled by a switch located at the required passageway opening and a receptacle outlet shall be provided at or near the equipment location in accordance with the electrical code.

27. Section 502.7; is added to provide as follows:

502.7 Water heaters above ground or floor. When the attic, roof, mezzanine or platform in which a water heater is installed is more than eight (8) feet (2438 mm) above the ground or floor level, it shall be made accessible by a stairway or permanent ladder fastened to the building.

502.7.1 Whenever the mezzanine or platform is not adequately lighted or access to a receptacle outlet is not obtainable from the main level, lighting and a receptacle outlet shall be provided in accordance with Section 502.5.1.

28. Section 504.6.1; is amended to provide as follows:

504.6.1 Discharge. The relief valve shall discharge through full size piping to a safe place of disposal such as a floor drain, outside the building, or an indirect waste receptor. The discharge pipe shall not have any trapped sections. When the drain pipe run is exposed, in an area outside of the room where the water heater is located, in a manner that would make it subject to damage, the drain shall have a visible air gap or air gap fitting located in the same room as the water heater. The discharge shall be installed in a manner that does not cause personal injury to occupants in the immediate area or structural damage to the building.

The end of the discharge pipe shall not be threaded. The discharge pipe shall not discharge into the pan required in Section 504.7.

When discharging outside the building, the point of discharge shall be with the end of the pipe not more than two (2) feet (610 mm) nor less than six (6) inches (152 mm) above the ground or the floor level of the area receiving the discharge and pointing downward.

29. Section 505.1; is amended to provide as follows:

505.1 Unfired vessel insulation. Unfired hot water storage tanks shall be insulated so that heat loss is limited as specified in Section 504, International Energy Conservation Code. {delete remainder of section}

30. Section 506, 506.1 is added to provide as follows:

SECTION 506 COMBUSTION AIR AND VENTILATION

506.1. Combustion air and ventilation. Combustion air and ventilation for fuel burning water heaters, other than gas-fired, shall be in accordance with the International Mechanical Code. Combustion air and ventilation for gas-fired water heaters shall be in accordance with the International Fuel Gas Code.

31. Section 604.4.1; is added to provide as follows:

604.4.1 State maximum flow rate. Where the State mandated maximum flow rate is more restrictive than those of this section, the State flow rate shall take precedence.

32. Tables 605.4 and 605.5; are amended to delete "Polybutylene (PB) plastic pipe and tubing".

33. Section 606. 1; is amended to delete items #4, 5 and 6.

34. Section 606.2; items #1 and 2 are amended to provide as follows:

1. On the fixture supply to each plumbing fixture.

Exception. Tub and shower valves.

2. On the water supply pipe to each sillcock when subject to freezing.

35. Section 607.2.1; is amended to provide as follows:

607.2.1 Piping insulation. Piping in required return circulation systems shall be insulated as required in Section 504, International Energy Conservation Code. {delete remainder of section }

36. Section 608.1; is amended to provide as follows:

608.1 General. A potable water supply system shall be designed, installed and maintained in such a manner so as to prevent contamination from nonpotable liquids, solids or gases being introduced into the potable water supply through cross-connections or any other piping connections to the system. Back flow preventer applications shall conform to applicable local regulations, Table 608.1, and as specifically stated in Sections 608.2 through 608.16.9.

37. Section 608.17; is amended to provide as follows:

608.17 Protection of individual water supplies. An individual water supply shall be located and constructed so as to be safeguarded against contamination in accordance with applicable local regulations. In the absence of other local regulations, installation shall be in accordance with Sections 608.17.1 through 608.17.8.

38. Section 708.3.4; is amended to provide as follows:

708.3.4 Upper terminal. Each horizontal drain shall be provided with a cleanout at its upper terminal.

Exception: Cleanouts may be omitted on a horizontal drain less than five (5) feet (1524 mm) in length unless such line is serving sinks or urinals.

39. Section 712.5 is added to provide as follows:

712.5 Dual Pump System. All sumps shall be automatically discharged and, when in any "public use" occupancy where the sump serves more than 10 fixture units, shall be provided with dual pumps or ejectors arranged to function independently in case of overload or mechanical failure. For storm drainage sumps and pumping systems, see Section 1113.

40. Section 714 and 714.1 is amended to provide as follows:

**SECTION 714
ENGINEERED DRAINAGE DESIGN**

714.1 Design of drainage system. The sizing requirements for plumbing drainage systems shall be determined by approved design methods.

41. Section 802.1.1 is amended to delete the exception.

42. Section 802.4; is amended to add a sentence to provide as follows:

No standpipe shall be installed below the ground.

43. Section 904.1; is amended to provide as follows:

904.1 Roof extension. All open vent pipes that extend through a roof shall be terminated at least six (6) inches (152 mm) above the roof, except that where a roof is to be used for any purpose other than weather protection, the vent extensions shall be run at least 7 feet (2134 mm) above the roof.

44. Section 912.1 is amended to provide as follows:

912.1 Type of fixture. A combination drain and vent system shall not serve fixtures other than floor drains, standpipes, and indirect waste receptors. Combination drain and vent systems shall not receive the discharge of a food waste grinder.

45. Section 912.2; is amended to provide as follows:

912.2 Installation. The only vertical pipe of a combination drain and vent system shall be the connection between the fixture drain of a standpipe, and the horizontal combination drain and vent pipe. The maximum vertical distance shall be 8 feet (2438 mm).

46. Section 1002.10 is deleted

47. Section 1106.1; is amended to provide as follows:

1106.1 General. The size of the vertical conductors and leader, building storm

drains, building storm sewers, and any horizontal branches of such drains or sewers shall be based on six (6) inches per hour rainfall rate.

48. Section 1107.3; is amended to provide as follows:

1107.3 Sizing of secondary drains. Secondary (emergency) roof drain system shall be sized in accordance with Section 1106. Scuppers shall be sized to prevent the depth of ponding water ... {remainder of section unchanged}

49. Chapter 12; is deleted.
