

TITLE 56**PLUMBING CODE****CHAPTER 1****ICC INTERNATIONAL PLUMBING CODE,
2003 EDITION ADOPTED**

Section 100. Adoption of the ICC International Plumbing Code, 2003 Edition.

Section 101. Amendments to the ICC International Plumbing Code, 2003 Edition.

**SECTION 100. ADOPTION OF THE ICC INTERNATIONAL PLUMBING
CODE, 2003 EDITION**

A certain document, three (3) copies of which are on file in the Office of the City Clerk of the City of Tulsa, Oklahoma, being marked and designated as the *ICC International Plumbing Code, 2003 Edition*, including Appendices C, D, E, F and G, as published by the International Code Council, Inc. (ICC), is hereby adopted as a part of the Tulsa Revised Ordinances, hereinafter the "Plumbing Code of the City of Tulsa," for the control of plumbing standards as herein provided. Consistent with the adoption of this *ICC International Plumbing Code, 2003 Edition*, there is hereby provided for the related issuance of permits and collection of fees. Each and all of the regulations, provisions, penalties, terms, and conditions of the *ICC International Plumbing Code, 2003 Edition*, including Appendices C, D, E, F and G, are hereby referred to, adopted, and made a part hereof as if fully set out in this chapter, with the amendments thereto, if any, as prescribed in Section 101 of this chapter and, as used in this chapter, may be referred to as the "code."

Ord. Nos. 18096, 19011, 20428

**SECTION 101. AMENDMENTS TO THE ICC INTERNATIONAL
PLUMBING CODE, 2003 EDITION**

The following sections of the *ICC International Plumbing Code, 2003 Edition*, are hereby added or amended to read as follows:

101.1 Title-Amendatory. This code shall be known and may be cited as the "Plumbing Code of the City of Tulsa, Oklahoma," the "Plumbing Code," or "this code."

102.8.1 Highest Standard Governs-Added. Nothing in this code shall be construed to prevent the enforcement of other ordinances or local regulations which prescribe higher plumbing standards than those which are provided herein.

102.10 Outside of City-Added. All the provisions of this code shall apply to persons, firms, or corporations doing plumbing work outside the City of Tulsa if such work is connected or to be connected, directly or indirectly, with the waterworks system of the City of Tulsa or to any sewer emptying, directly or indirectly, into the sewer system of the City of Tulsa.

103.2 Office of Plumbing Inspection-Added. Pursuant to Title 11, Tulsa Revised Ordinances, Chapter 2, the Director of Public Works and Development, or the Director's designated representative in charge of the supervision and direction of protective inspection programs of the City, shall be the "code official," as used in this chapter. Under the supervision of the Director of Public Works and Development, the "Office of Plumbing Inspection" shall consist of a Plumbing Inspector and such assistants as may be duly qualified, appointed, and employed to serve in that capacity.

103.3 Qualifications of Inspectors-Amendatory. The Plumbing Inspector and each Assistant Plumbing Inspector shall have at least five (5) years' continued practical experience in plumbing work as a licensed journeyman plumber, be licensed as a journeyman plumber by the state of Oklahoma, and shall have completed the National Certification program for Plumbing Inspectors.

106.1.1 Separate Permit Required-Added. A separate permit shall be required for each building within a complex and for each water meter when there is a multi-meter installation on a single building.

106.1.2 Lawn Irrigation System Permits-Added. Prior to the issuance of a lawn irrigation system permit, a permit for a backflow prevention assembly must be obtained. Permits for the irrigation system may be issued to any owner of property on which the irrigation system is to be installed, or to his agent, after the backflow prevention assembly permit has been issued.

106.4.1 Homeowner-Added. Any homeowner may perform plumbing work on the homeowner's own homeowner-occupied residence and property, provided all permits required pursuant to this code are obtained.

106.6 Fees-Amendatory. No permit shall be issued until the fees prescribed in Title 49, Tulsa Revised Ordinances have been paid.

107.4.1 Time of Inspection-Added. The code official shall make the inspection within forty-eight (48) hours after the inspection is called for by the contractor. Weekends and legal holidays shall not be included in computing the forty-eight (48) hours.

107.5 Notices and Certificates of Inspection-Amendatory. Upon inspection, if the work complies with this code, the code official shall issue a Certificate of Inspection

indicating approval of the work. Such work may then be concealed. In the event the work does not meet the code official's approval, he shall leave a written notice identifying the deficiencies. Appropriate corrections and reinspection shall be made and approval shall be given by the code official before such work may be concealed. No utility company shall supply gas, water, or electrical service, or refuse to discontinue service when ordered in writing by the code official, to any building or structure covered by this code, except as may be authorized on a temporary basis, until a final Certificate of Inspection has been issued.

108.1.1 Work Open for Approval-Added. A plumbing system or part thereof shall not be enclosed, covered, or put into operation until such system has been inspected and approved. During the progress of the plumbing work, inspections shall be made by the code official as required, and the holder of the permit shall be responsible for the scheduling of such inspections with the code official as soon as such work is ready for inspection.

108.3 Prosecution of Violation-Amendatory. If the violation is not corrected within seven (7) days after the notice thereof, or within any extensions granted in writing by the code official, the code official shall file a written complaint in Municipal Criminal Court of the City of Tulsa or shall request the City Attorney to institute the appropriate proceedings in law or in equity to restrain, correct, or abate such violation, or to require the removal or termination of the unlawful use of any plumbing system in violation of the provisions of this code or of the order or direction made pursuant thereto.

108.4 Violation Penalties-Amendatory. It shall be unlawful and a misdemeanor offense for any person, corporation, or limited liability company to violate any provision of this code. Any person, corporation, or limited liability company violating this code shall be guilty of a misdemeanor offense and, upon conviction, shall be punished by a fine of no more than FIVE HUNDRED DOLLARS (\$500.00), excluding costs, fees, and assessments, or by imprisonment in the City Jail for a period not exceeding ninety (90) days, or by both such fine and imprisonment. Each day, or portion thereof, during which a violation is committed, continued, or permitted shall be deemed a separate offense.

108.5 Stop Work Orders-Amendatory. Upon notice from the code official, work on any plumbing system being done contrary to the provisions of this code or in a dangerous or unsafe manner, shall immediately cease. Such notice shall be in writing and shall be given to the owner of the property, or to the owner's agent, or to the person doing the work. The notice shall state the conditions under which the work is authorized to resume. Where an emergency exists, the code official shall not be required to give a written notice prior to stopping the work. 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 by the code official to remove a

violation or unsafe condition, shall be guilty of a misdemeanor offense, and, upon conviction, shall be punished by a fine of no more than FIVE HUNDRED DOLLARS (\$500.00), excluding costs, fees, and assessments, or by imprisonment in the City Jail for a period not exceeding ninety (90) days, or by both such fine and imprisonment. Each day, or portion thereof, during which a violation is committed, continued, or permitted shall be deemed a separate offense.

108.8 Fine Not Exclusive Penalty-Added. The penalties herein prescribed shall not be exclusive and shall not prevent independent action by the Plumbing and Appeals Board, acting under authority of this code, to suspend or revoke the Certificate of Registration of any person, subject to the provisions of this code, and shall not prevent the City of Tulsa or its authorized officials from taking other action authorized by law to remedy the violation.

109.2 Plumbing and Appeals Board-Amendatory. There is hereby continued the Plumbing and Appeals Board (the "Board").

109.2.1 Membership of Board-Amendatory. The Board shall be composed of eight (8) members, who shall be appointed by the Mayor and confirmed by the City Council, consisting of the following:

Three (3) plumbing contractors,

One (1) journeyman plumber,

One (1) commercial building contractor from either the home building or the commercial building industry,

One (1) registered professional engineer engaged in private practice,

One (1) registered architect, and

One (1) plumbing supply wholesale company representative.

Terms of office for Board members shall be for three (3) years and shall commence on July 1. Upon the death, removal, or resignation of any member, a new member shall be appointed to complete the unexpired term of such member. All members shall continue until their successors have been confirmed by the City Council.

Five (5) members of the Board shall constitute a quorum.

109.2.2 Officers-Amendatory. At the July meeting of each year, the Board shall elect one of its members to serve as chairman and one to serve as vice chairman for one year. The code official shall serve, *ex-officio*, as a nonvoting secretary of the Board.

109.2.3 Powers and Duties-Amendatory. The Board shall have the following powers and duties:

A. The Board shall hear all appeals from decisions of the code official and shall interpret the provisions of this code whenever a dispute arises as to the meaning or intent of any provision. In the event of a dispute between interested parties, the code official may, as necessary, order part or all of the plumbing work to cease; provided, however, that within twenty (20) days after an order has been issued by the code official, the contractor may file a written notice of appeal with the Board, as hereinafter provided, and thereafter may proceed with the work at his own risk, pending determination of the dispute.

B. The Board shall serve as an advisory board to the City Council with respect to technological advances in plumbing equipment standards, in installation and performance, and other related matters.

C. The Board may suspend or revoke any Certificate of Registration issued pursuant to this code if it finds that the holder of the registration has:

1. Made a material misstatement in the application for registration or renewal thereof;
2. Loaned or illegally used his registration; or
3. Violated any provisions of this code.

D. The Board shall adopt rules of procedure for the transaction of its business.

E. Attendance. Each member of the Board shall attend all Board meetings except for reasons beyond his control. Any member who misses three (3) consecutive meetings of the Board, shall be recommended to the Mayor for dismissal and replacement.

109.2.4 Compensation-Amendatory. Each member of the Board, excluding *ex-officio* members, shall be compensated at the rate of Fifteen Dollars (\$15.00) for each meeting attended, but not in excess of two (2) meetings per calendar month.

109.2.5 Secretary-Deleted. Section 109.2.5 of the *ICC International Plumbing Code*, 2003 Edition, is intentionally deleted from this code.

109.2.6 Compensation of Members--Deleted. Section 109.2.6 of the *ICC International Plumbing Code*, 2003 Edition, is intentionally deleted from this code.

109.3 Meetings of Board-Amendatory. The Board shall meet at the call of the chairman or three (3) members of the Board. Insofar as possible, all business meetings shall be conducted in accordance with the parliamentary rules set forth in *Robert's Rules of Order*. Prior to each meeting, a complete agenda and the minutes of the previous meeting shall be forwarded to all Board members.

109.3.1 Record of Proceedings-Added. The Office of Plumbing Inspection shall maintain records of all proceedings of Board meetings and a current roster of all persons registered with the Board.

109.4 Appeals Hearings-Amendatory.

109.4.1 Open Hearing-Amendatory. All hearings before the Board shall be open to the public. The appellant, the appellant's representative, the code official, and any person whose interests are affected shall be given an opportunity to be heard.

109.4.2 Procedure-Added. The Board shall adopt and make available to the public, through the secretary, procedures under which a hearing will be conducted. The procedures shall not require compliance with strict rules of evidence, but shall provide that only relevant information be received.

109.4.3 Disqualification of Member-Added. A member of the Board shall not hear an appeal in which that member has any personal, professional, or financial interest.

109.4.4 Acts of the Board Final Unless Appealed-Added. Any rulings, requirements, decisions, or interpretations of the Board shall be final and binding upon all parties thereto, unless appealed to the City Council as herein provided.

109.4.5 Enforcement Stayed-Added. If a ruling or decision of the Board is appealed to the City Council, enforcement of the ruling or decision by the Board shall be stayed until the City Council has rendered its decision.

**Section 109.6 Suspension or Revocation of Certificates of
Registration-Amendatory.**

109.6.1 Written Complaint-Amendatory. Upon receipt by the Board of a written complaint filed by the code official or any aggrieved person, or upon the Board's own motion, the Board shall make such investigation into the complaint which it may deem necessary and, thereafter, shall hold a hearing upon such complaint.

109.6.2 Notice of Hearing-Amendatory. Within ten (10) days after the filing of a written complaint, the Board shall serve written notice of the complaint upon the

certificate holder. The notice shall be served either personally or by certified mail, return receipt requested, at least ten (10) days prior to any scheduled hearing, and shall include:

- A. A statement of the date, time, place, and nature of the hearing;
- B. A statement of the legal authority and jurisdiction under which the hearing is to be held;
- C. A reference to the particular section(s) of the code and rules involved;
- D. A short, plain statement of the complaint and a statement of the issues before the Board;
- E. A statement that the nature of the proceeding before the Board will be an informal inquiry into the complaint at which time an opportunity will be afforded for the individual to respond to the allegations in the complaint by his testimony, the testimony of witnesses, or documentary evidence;
- F. A statement that the individual has a right to be represented by legal counsel; and
- G. A statement that, based upon the evidence presented at the hearing, the Board shall decide either to dismiss the complaint or to suspend or revoke the individual's Certificate of Registration.

109.6.3 Determining Vote-Added. A decision to revoke or suspend a Certificate of Registration shall require the concurring vote of at least five (5) members of the Board.

Section 109.7 Appeals from Decision of Code Official-Amendatory.

109.7.1 Appeal-Added. Any person aggrieved by a decision of the code official may appeal a decision of the code official to the Board. The appeal shall be in writing and shall be filed with the Board within twenty (20) days after the code official's decision was served. Such appeal shall:

- A. Set forth in detail the precise decision or requirement being appealed;
- B. State precisely why the decision or requirement is in error;
- C. Designate the section(s) of the Plumbing Code, the statute(s), or the ordinance(s) which support the appellant's position; and

D. Be accompanied by a fee in accordance with Title 49, Tulsa Revised Ordinances.

109.7.2 Notice of Hearing-Added. The Board shall hold a public hearing, upon notice from the chairman, within thirty (30) days of the filing of an appeal. The aggrieved party shall be notified by regular mail of the date, time, and place of the hearing.

109.7.3 Board Decision-Added. The Board shall affirm, modify, or reverse the decision of the code official by a concurring vote of at least five (5) members. A decision of the Board on a technical dispute shall be *res judicata* and the Board may, at its discretion, refuse to hear appeals involving interpretation of codes, statutes, or ordinance provisions upon which a decision by the Board has been previously made. When the Board feels that a decision made by it has industry-wide implications, the Board may direct its secretary to advise all registered contractors by letter of such decision.

109.8 Appeals to City Council-Added. Any person aggrieved by a decision of the Board may perfect an appeal to the City Council by filing a written notice of appeal with the City Clerk and the Board within ten (10) days from the date of the action complained of. Such notice shall specify the grounds for the appeal. A hearing on the appeal shall be heard by the Council no later than thirty (30) days from the date of filing the notice of appeal.

109.9 Court Review-Added. Court review of decisions of the City Council shall be as provided by the laws of the state of Oklahoma.

Section 110 Registration of Plumbing Contractors, Journeymen, and Apprentices-Added.

110.1 General-Added. No person, firm, or corporation shall be issued a permit, engage in any plumbing business, or do any plumbing work in the City of Tulsa, unless such person, firm, or corporation has registered with the Plumbing and Appeals Board as herein provided. All contractors, journeymen, and apprentices shall carry on their person, at all times while performing plumbing work within the City of Tulsa, their state license and City Certificate of Registration and shall display the same upon request from the code official or a police officer of the City of Tulsa.

No person issued a contractor's license shall employ or supervise persons performing plumbing work unless those persons are licensed and registered, or allow any apprentice to perform plumbing work unless the apprentice will have direct supervision by a person licensed and registered.

Exception: A homeowner may perform plumbing work on his property or residence, provided the required permit is obtained.

110.2 Requirements for Registration-Added. No person, firm, or corporation shall be issued a Certificate of Registration until and unless he has furnished proof of the issuance of a current state of Oklahoma contractor or journeyman license, or apprentice registration issued under the provisions of 59 O.S.2001, §§ 1001, *et seq.*, as amended; has paid the required fees as set forth herein; and has furnished evidence of insurance as required herein.

110.3 Insurance Required-Added. Any person, firm, or corporation desiring to register his state Contractor's License in the City of Tulsa as provided in this code shall file with the City Clerk satisfactory evidence of insurance for public liability and property damage in amounts no less than those set forth below.

The filing of insurance and bond with the state of Oklahoma in an amount equal to or greater than required herein in order to comply with the Oklahoma Mechanical Licensing Act shall be considered in full compliance with this section without the filing of additional insurance and bond, provided that such insurance and bond are specifically and properly endorsed to cover the additional type(s) of work to be performed under this code.

110.3.1 Insurance Requirements-Added. Any applicant for registration as a Plumbing Contractor shall furnish evidence of insurance for public liability and property damage in an amount of no less than Fifty Thousand Dollars (\$50,000.00), written by a solvent insurance or bonding corporation, mutual association, or reciprocal or inter-insurance association in good standing and duly licensed to transact business within the state of Oklahoma. Such insurance shall provide that the policy cannot be canceled, terminated, or modified by the insurer without the insurer giving the City of Tulsa ten (10) days' prior written notice.

110.4 Transfer of Registration Prohibited-Added. No person, firm, or corporation shall allow his or its name to be used by any other person, firm, or corporation to obtain any permit for or do any work under his or its Certificate of Registration.

110.5 Registration after Revocation-Added. No person, firm, or corporation shall be permitted to obtain a new Certificate of Registration within one (1) year from the date of revocation of any prior registration.

110.6 Registration Fees-Added. Fees shall be charged for registration of state-licensed plumbing contractors, journeymen, and apprentices in accordance with Title 49, Tulsa Revised Ordinances.

110.7 Expiration of Registration-Added. Registration of state Licensed Contractors and Journeymen shall expire on the 30th day of June of each year.

Apprentice registration shall expire four (4) years after the date of registration with the state of Oklahoma, at which time the apprentice may re-register.

110.8 Identification of Service Vehicles-Added. Every contractor shall identify all service vehicles used in his business with the company name and contractor's license number. Such identification shall be placed on both sides of all vehicles in letters and numbers no less than two (2) inches high and of a contrasting color.

Section 202 General Definitions-Amendatory

The following definitions are in addition to those appearing in Section 202 of the *ICC International Plumbing Code, 2003 Edition*.

Force Main (pumped building sewer) shall mean that system of components (sump, sewage ejector, discharge piping, etc.) which provides for disposal of wastewater collected by the building subdrain.

Mobile Home, when used in this code, shall mean a manufactured home designed and constructed in accordance with the National Manufactured Housing Construction and Safety Standards Act of 1974 (42 U.S.C. §§ 5401, *et seq.*). For mobile homes built prior to June 15, 1976, a label certifying compliance with the Standard for Mobile Homes, National Fire Protection Association (NFPA) 501, American National Standards Institute (ANSI) 119.1, in effect at the time of manufacture, is required.

301.3.1 Bathtubs, Showers, and Lavatories-Added. Bathtubs, showers, and lavatories shall not be required to discharge to the sanitary drainage system where such fixtures discharge to an approved gray water recycling system.

305.6 Freezing-Amendatory. Water service piping shall be installed below recorded frost penetration but no less than twenty-four (24) inches below grade. In climates with freezing temperatures, plumbing piping in exterior building walls or areas subjected to freezing temperatures shall be adequately protected against freezing by insulation or heat or both.

305.6.1 Sewer Depth-Amendatory. Building sewers that connect to private sewage disposal systems shall be installed in accordance with all requirements of the Oklahoma Department of Environmental Quality.

Section 309 Regulatory Flood Plain Resistance-Amendatory.

309.1 General-Amendatory. Plumbing systems and equipment in structures erected in the Regulatory Flood Plain areas shall be constructed in accordance with the requirements of this section and the *ICC International Building Code, 2003 Edition*.

[B] 309.2 Regulatory Flood Plain-Amendatory. For structures located in the Regulatory Flood Plain areas, the following systems and equipment shall be located one foot above the City of Tulsa regulatory floodplain elevation:

Exception: The following systems are permitted to be located below the regulatory flood plain elevation provided that the systems are designed and installed to prevent water from entering or accumulating within their components and the systems are constructed to resist hydrostatic and hydrodynamic loads and stresses, including the effects of buoyancy, during the occurrence of flooding to the design flood elevation.

1. All water service pipes.
2. Pump seals in individual water supply systems where the pump is located below the design flood elevation.
3. Covers on potable water wells shall be sealed, except where the top of the casing well or pipe sleeve is elevated to at least 1 foot (304.8 mm) above the design flood elevation.
4. All sanitary drainage piping.
5. All storm drainage piping.
6. Manhole covers shall be sealed, except where elevated to or above the design flood elevation.
7. All other plumbing fixtures, faucets, fixture fittings, piping systems and equipment.
8. Water heaters.
9. Vents and vent systems.

[B] 309.3 Regulatory Flood Plain Areas Subject to High-Velocity Wave Action-Amendatory. Structures located in Regulatory Flood Plain areas subject to high-velocity wave action shall meet the requirements of Section 309.2 of the *ICC International Plumbing Code*, 2003 Edition, as amended in this chapter. The plumbing systems, pipes and fixtures shall not be mounted on or penetrate through walls intended to break away under flood loads.

Section 313 Mobile Home Plumbing-Amendatory.

313.1 Scope-Added. In addition to the other requirements in this code, mobile home plumbing shall comply with the following provisions:

Section 313.2 Definitions-Added.

313.2.1 Mobile Home Contractors and Journeymen-Added. Mobile Home Contractors and Journeymen shall mean the classes of mobile home contractors and journeymen and the work for which they are qualified as defined in the City of Tulsa Mechanical Code.

313.2.2 Mobile Home Piping Connection-Added. Mobile Home Piping Connection shall mean that portion of the water and sewer system from the single point of connection on the mobile home to the underground services provided at the mobile home site above ground.

313.2.3 Mobile Home Plumbing-Added. Mobile Home Plumbing shall mean all of the internal plumbing connections provided in the mobile home which shall terminate at a single point for connection to the mobile home piping.

313.3 Water and Sewer Connections-Added. Where the maximum length of either the water connection or the sewer connection extends more than six (6) feet beyond the perimeter of the mobile home, the connection shall be made by a licensed Plumbing Contractor.

602.3 Individual Water Supply-Amendatory. Where a potable water supply is not available, individual sources of potable water supply shall be utilized. Availability of the public water supply system to any premise shall be determined by the Public Works and Development Department of the City of Tulsa.

605.4 Water Service Pipe-Amendatory. Section 605.4 of the *ICC International Plumbing Code*, 2003 Edition, shall be applicable with the exception that plastic water service piping shall terminate within five (5) feet (1524 mm) outside the point of entry into a building.

Table 605.4 Water Service Pipe-Amendatory. Table 605.4 is amended to provide that copper or copper alloy pipe and tubing (Type M) *American Society for Testing and Materials International* (ASTM) Standard Reference Number B42, ASTM B302, ASTM B75, ASTM B88, ASTM B251, and ASTM B447 are not permitted underground; galvanized steel pipe ASTM A53 is not permitted underground; and polyvinyl chloride (PVC) plastic pipe ASTM D2241 and ASTM D2672, in pipe sizes up to and including four (4) inches in diameter, are not permitted.

Table 605.5 Water Distribution Pipe-Amendatory. Table 605.5 is amended to provide that copper or copper alloy pipe and tubing (Type M) *American Society for Testing and Materials International* (ASTM) Standard Reference Number B42, ASTM B302, ASTM B75, ASTM B88, ASTM B251, and ASTM B447 are not permitted underground; galvanized steel pipe ASTM A53 is not permitted under slab floors; and polyvinyl chloride (PVC) plastic pipe ASTM D2241 and ASTM D2672, in pipe sizes up to and including four (4) inches in diameter, are not permitted under slab floors.

606.2.1 Location of Shutoff Valves-Added. Shutoff valves shall be located on the fixture supply to each plumbing fixture in all buildings.

Exception: Tubs and showers in single-family dwellings shall not be required to have shutoff valves.

608.13.9 Backflow Preventers for Private Fire Systems-Amendatory. The backflow preventer for a private fire system or service shall be equipped with a bypass meter to detect water flow and shall be installed in accordance with Title 11-C, Tulsa Revised Ordinances, Waterworks and Sewerage.

701.2.1 Public System Availability-Added. Availability of the public sewer system to any premise shall be determined by the Public Works and Development Department of the City of Tulsa.

Table 702.2 Underground Building Drainage and Vent Pipe-Amendatory. Table 702.2 is amended to provide that polyvinyl chloride (PVC) plastic pipe *American Society for Testing and Materials International* (ASTM) Standard Reference Number D2949 is not permitted.

Table 702.3 Building Sewer Pipe-Amendatory. Table 702.3 is amended to provide that polyvinyl chloride (PVC) plastic pipe *American Society for Testing and Materials International* (ASTM) Standard Reference Number D2949 and ASTM D3034 are not permitted.

703.6 Minimum Size Building Sewer-Added. The gravity building sewer shall not be less than three (3) inches (76mm) in size.

704.6 Drainage Systems-Added. All underground building sewers eight (8) inches or larger, discharging to the Tulsa Sanitary Sewer System, shall comply with Chapter 5 of Title 11-C of the Tulsa Revised Ordinances and the rules and regulations of the Oklahoma State Department of Health. (Note: These regulations require that the sewer be designed and built to the City of Tulsa Specifications for Sanitary Sewer Mains, and that a permit be issued by the Oklahoma State Department of Health.)

706.2 Obstructions-Amendatory. The fittings shall not have ledges, shoulders or reductions capable of retarding or obstructing flow in the piping. Threaded drainage pipe fittings shall be of the recessed drainage type.

Exception: This type of connection shall not be required for Pressure or Pump systems.

708.3.2.1 Buildings Without Cleanouts in Original Construction-Added. At such time as the sewer must be cleaned or rooted, a cleanout will be installed no more than five (5) feet outside the building wall of all buildings which were originally constructed without cleanouts or on which the cleanout has become inaccessible.

Any time an entrance must be made into a building sewer, either a cleanout will be installed or the broken section replaced with a section of pipe using proper watertight fittings where there is an existing accessible cleanout.

708.3.7 Cleanout Requirements for Residential Construction-Added. All bathtub, lavatory, kitchen sink, mop or utility sink, and washing machine drains shall have an accessible cleanout which will allow for the cleaning or rodding of the drain line.

A. Cleanouts shall be the removable trap or threaded plug type, and shall be the same diameter or greater than the pipe served.

B. When two (2) drains are combined with a sanitary cross fitting, a threaded plug-type cleanout shall be installed immediately downstream of the sanitary cross fitting.

C. Shower drains with two (2) inch traps are not required to have a cleanout if the developed length of the shower drain is no more than ten (10) feet in length.

D. Besides the main cleanout for the building sewer located just outside and downstream of the residence, a second cleanout shall be located upstream of the first floor water closet plumbed the greatest distance from the point the building sewer leaves the residence. This cleanout shall be the same diameter as the pipe it serves and be located at ground level and within five (5) feet of the building, or in the outside wall no higher than two (2) feet above ground level.

801.1 Scope, Exception-Food Handling-Added.Section 801.1 of the *ICC International Plumbing Code*, 2003 Edition, is amended to provide the following exception: Plumbing in all food handling facilities shall comply with the Title 17, Tulsa Revised Ordinances, Tulsa City-County Health Department Food Code and Meat Inspection Code.

904.1 Roof Extension-Amendatory. All open pipes that extend through a roof shall be terminated at least six (6) inches (152mm) 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 seven (7) feet (2134mm) above the roof.

1003.1 Interceptors, Separators, and Traps Required-Amendatory. Interceptors, separators, and traps for oil, grease, sand, and other substances harmful or hazardous to the building drainage system, the public sewer system, or the sewage treatment plants or process shall be provided as required in this chapter.

1003.2 Size, Type, and Location to be Approved-Amendatory. The size, type, and location of each interceptor, separator, and trap shall be designed and installed in accordance with the manufacturer's instructions and the requirements of this section based on the anticipated conditions of use. Wastes that do not require treatment or separation shall not be discharged into any interceptor, separator, or trap.

1003.3 Grease, Oil and Sand Interceptors, Separators, and Traps-Amendatory. Grease, oil, and sand interceptors, separators, and traps shall be provided for the proper handling of liquid wastes containing oil or grease in excessive amounts, flammable or hazardous wastes, sand or other harmful ingredients. Grease and oil traps shall conform to *Plumbing and Drainage Institute (PDI) Standard Reference Number G101*, as stated in Title 11-C, Tulsa Revised Ordinances, Section 1201, "General Sewer Use Requirements." All interceptors and separators shall be of the type and capacity approved by the code official and shall be located so as to be readily and easily accessible for cleaning and inspection. Grease and oil interceptors and separators shall be constructed of impervious materials, capable of withstanding abrupt and extreme changes in temperature. They shall be of substantial construction, watertight, and equipped with easily removable covers which, when bolted in place, shall be gas tight and watertight.

1003.3.3 Submission of Information-Amendatory. Plans, specifications, and any other pertinent information relating to the proposed preliminary treatment, processing, or flow equalization facilities shall be submitted to the code official for approval prior to the start of construction if the effluent from such facilities is to be discharged into the public sanitary sewers.

Appendices A and B-Deleted. The following appendices of the *ICC International Plumbing Code*, 2003 Edition, are intentionally deleted from this code:

APPENDIX A	PLUMBING PERMIT FEE SCHEDULE
APPENDIX B	RATE OF RAINFALL FOR VARIOUS CITIES

Appendices C through G-Added. The following appendices of the *ICC International Plumbing Code*, 2003 Edition are specifically referred to, adopted and made a part of this code, as if fully set out in this chapter:

APPENDIX C	GRAY WATER RECYCLING SYSTEMS
APPENDIX D	DEGREE DAY AND DESIGN TEMPERATURES
APPENDIX E	SIZING OF WATER PIPING SYSTEM
APPENDIX F	STRUCTURAL SAFETY
APPENDIX G	VACUUM DRAINAGE SYSTEM

Ord. Nos. 17796, 18096, 18171, 18370, 19011, 20066, 20428, 20631, 20895, 21237