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**ALLEGHENY COUNTY HEALTH DEPARTMENT  
RULES & REGULATIONS  
ARTICLE XV – PLUMBING AND BUILDING DRAINAGE**

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*Proposed Revisions*

**CHAPTER 1 – ADMINISTRATION.**

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**SECTION 101 – GENERAL.**

**101.1 Title.** These regulations shall be known as the Plumbing Code of the Allegheny County Health Department hereinafter referred to as "Article XV".

**101.1.1 Effective date.** This Article, after approval, shall become effective ~~no sooner than~~ ten (10) days after being advertised in a newspaper of general circulation in Allegheny County. Upon the effective date, all other provisions previous versions of Article XV ~~shall be~~ are repealed superseded and replaced.

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**SECTION 104 – DUTIES AND POWERS OF THE CODE OFFICIAL.**

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**104.4 Inspections.** The Chief Plumbing Inspector and/or his designee shall make all required inspections, or shall accept reports of inspections by approved agencies or individuals. All inspection reports shall be in writing; may be stored and issued electronically; and shall be endorsed by an officer of such approved agency or by an approved individual. The Chief Plumbing Inspector and/or his designee is authorized to engage such expert opinion as is deemed necessary to resolve unusual technical issues that arise, subject to the approval of the Director.

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**104.8 Department records.** The code official shall keep official records of applications received, permits and certificates issued, fees collected, reports of inspections, and notices and orders issued. Such records shall be retained ~~in the official records as long as the building or structure to which such records relate remains in existence~~ for at least 5 years unless otherwise provided for by other regulations, Pennsylvania law, or federal law.

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## SECTION 106 – PERMITS.

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**106.1 When permits are required.** A permit is required to construct, enlarge, alter, repair, move, demolish or change the occupancy of a building or structure, or to erect, install, enlarge, alter, repair, remove, convert or replace all or any part of the plumbing system, including site work, the installation of which is regulated by this Article, or to cause any such work to be done. Such permit may be obtained by application to the Plumbing Program.

**106.1.1 Engaging in the business of plumbing.** No person, other than a currently licensed master plumber, shall engage in the business of plumbing or expose the sign of plumbing or any advertisement pertaining thereto, except wholesale or retail plumbing fixture suppliers. Any firm or corporation desiring to engage in the business of plumbing shall have at least one member who possesses a valid master plumber's license, who shall register with the Department his or her name, along with the name(s) of all officers of the firm or corporation upon whose behalf he is registering.

**106.1.2 Exempt Work.** The following work shall be exempt from the requirement for a permit:

1. Repairs that involve the working parts of a faucet or valve, the clearance of stoppages, or the replacement of defective faucets or valves (excluding hot water mixing valves in tub, shower, and/or combination tub and shower valves), may be made without a permit. However, a permit shall be obtained when any part of the plumbing system becomes defective and requires replacement or alteration.

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**106.4 By whom application is made.** Application/plans for permits shall be made by the owner-occupant or master plumber installing all or part of any plumbing system. The applicant

shall meet all qualifications established by statute, or by rules and regulations promulgated by this Code. The full name of and address of the applicant shall be stated in the application.

**Exceptions:**

1. **Existing single-family dwellings:** Any permit required by this Article to allow any work regulated by this Article may be issued to a bona fide owner who presently occupies an existing single-family dwelling, ~~who intends to occupy the existing single family dwelling and any of its accessory buildings,~~ exclusively for private purposes, on the condition that the said owner personally purchase all material and perform all labor in connection therewith. Such privilege does not convey the right to violate any of the provisions of this Article, nor is it to be construed as exempting any such property owner from obtaining a permit, nor covering or concealing work in any manner until after it has been inspected by the Administrative Authority's inspectors, nor from payment of required fees.
  
2. **Site Work:** When a commercial or industrial site is being developed, registered professional engineers, registered architects, or registered master plumbers may file plans, **and** obtain permits, ~~and install and/or supervise for~~ the installation of sewers and water supply systems regulated by this Article from the point of public connection or proper disposal to a point five (5) feet from the building (commonly identified as "site work"). Where a new residential site is being developed and public sewers are not immediately available, registered professional engineers, registered architects or registered master plumbers may file plans, **and** obtain permits, ~~and install and/or supervise for~~ the installation of common private sewers and common water supply systems up to the point of individual sewer or individual water service pipe connections to the common line. In addition, the requirements of Section AC-701.3 and AC-701.3.1 shall also be required. **The installation of site work is regulated by this Article and must be installed by a licensed plumber unless otherwise permitted by this Article.**

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**106.5 Retention of construction documents.** One set of construction documents shall be retained by the code official until final approval of the work covered therein. One set of approved construction documents shall be returned to the applicant, and said set shall be kept on the site of the building or work at all times during which the work authorized thereby is in progress.

**106.5.7 Permission to proceed.** Plans filed shall not constitute permission to proceed. A permit must be obtained prior to commencing any plumbing work.

**Exception: When an emergency repair is immediately necessary to protect public health and safety, the repairs may be conducted without first applying for and receiving a plumbing permit. In this circumstance, a permit application must be submitted within 24-hours after the repair is made and the repairs must remain visible for inspection until the plumbing program has inspected and approved the work. Fees for plumbing permit applications for emergency repairs shall not be subject to the additional 100% fee required by Section 106.6.1.**

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**106.7.12 License renewal.** A licensed master or journeyman plumber desiring to continue in the business of plumbing, shall annually, within thirty (30) days of his birth date apply to the Department for a renewal of his license and pay the annual license renewal fee as specified in the current fee schedule. **Plumbing licenses shall include a photograph of the licensed plumber and such license photographs shall be updated every five (5) years.** No examination shall be required for the renewal of a master or journeyman license, provided proper application and payment is made in the time period specified above. **Any plumber licensed by Allegheny County whose license has lapsed due to unpaid annual renewal fees for more than thirty (30) calendar days must pay, in addition to all delinquent annual renewal fees, a fifty percent (50%) late penalty prior to plumbing license reinstatement. Any plumber licensed by Allegheny County whose license has lapsed due to unpaid annual license renewal fees for two (2) or more years must pay all unpaid fees and a fifty percent (50%) late fee and pass a Department-approved examination prior to reinstatement.**

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## **SECTION 108 – VIOLATIONS.**

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**108.4 Violation penalties.** Any person who shall violate a provision of this code or shall fail to comply with any of the requirements thereof shall be guilty of the offenses listed below. For the purposes of this section, violations on separate dates shall be considered separate offenses. Each violation of a separate subsection or section of this Article shall constitute a separate offense.

**AC-108.4.1 Summary Offenses.** **Pursuant to Section 12027(a) of the Pennsylvania Local Health Administration Law, 16 P.S. § 12027(a),** any person who violates any of the

provisions of this Article or any rule or regulation of the Allegheny County Health Department, or who interferes with the Director or any other agent of the Department in the discharge of his official duties, shall, for the first offense, upon conviction thereof in a summary proceeding before any District Magistrate in Allegheny County, be sentenced to pay the costs of prosecution and a fine of not less than thirty dollars (\$30) nor more than three hundred dollars (\$300) and, in default thereof, shall be subject to imprisonment for not less than ten (10) days and not more than thirty (30) days.

**AC-108.4.2 Misdemeanors.** Pursuant to Section 12027(b) of the Pennsylvania Local Health Administration Law, 16 P.S. § 12027(b), any person who violates any of the provisions of this Article or any rule or regulation of the Allegheny County Health Department, or who interferes with the Director or his or her representative in the discharge of his or her official duties, convicted of a second or subsequent offense, shall be guilty of a misdemeanor and shall, upon conviction thereof, be sentenced to pay a fine of not less than five hundred dollars (\$500) nor more than one thousand dollars (\$1000) or to undergo imprisonment not exceeding one (1) year, or both.

#### **SECTION 109 – MEANS OF APPEAL.**

**109.1 Application for appeal.** Any person aggrieved by any action taken by the Director and/or his or her designee may request a hearing within ~~ten~~ **thirty (30)** days in accordance with the Allegheny County Health Department Rules and Regulations, Article XI, "Hearings and Appeals."

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#### **CHAPTER 2 – DEFINITIONS.**

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#### **SECTION 202 – GENERAL DEFINITIONS.**

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**ALTERNATIVE ENGINEERED PLUMBING SYSTEM. Any plumbing system that is not conventional.**

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**CONVENTIONAL PLUMBING SYSTEM. Any plumbing system designed using the Drainage Fixture Unit and Water Fixture Unit calculations contained in this Article.**

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**LEAD-FREE PIPE AND FITTINGS. ~~Containing not more than 8.0 percent lead.~~ The definition of lead-free pipe and fittings found in the Pennsylvania Plumbing System Lead Ban and Notification Act at 35 P.S. § 723.3 is hereby incorporated by reference and any future revisions to that definition are also incorporated by reference on the day that they go into effect.**

**LEAD-FREE SOLDER AND FLUX. ~~Containing not more than 0.2 percent lead.~~ The definition of lead-free solder and flux found in the Pennsylvania Plumbing System Lead Ban and Notification Act at 35 P.S. § 723.3 is hereby incorporated by reference and any future revisions to that definition are also incorporated by reference on the day that they go into effect.**

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**LEAD WATER SERVICE LINE. A water service line that is not constructed with lead-free pipe and fittings and lead-free solder and flux.**

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**PERMIT HOLDER. The person to whom the Department has issued a plumbing permit.**

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**PRIVATE SEWER.** A private sewer is a sewer **main or lateral** privately-owned and not directly controlled **or maintained** by **a municipality or** public **sewer** authority.

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**RAIN WATER. Water fallen as rain that has not collected soluble mater from the soil and which does not qualify as Storm Water, as that terms is defined by this Article.**

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**SITE WORK. Any sanitary sewer piping serving a building or water service piping serving a building that begins five feet from the outside foundation wall and extends to the public point of connection.**

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**STORM WATER. Water generated from rain or snowmelt that flows over land, pervious surfaces, or impervious surfaces such as paved streets, parking lots, and rooftops.**

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### **CHAPTER 3 – GENERAL REGULATIONS.**

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#### **SECTION 312 – TESTS AND INSPECTIONS.**

**312.1 Required tests.** The permit holder shall make the applicable tests prescribed in Sections 312.2 through 312.9 to determine compliance with the provisions of this code. The permit holder shall give reasonable advance notice to the code official when the plumbing work is ready for tests. The equipment, material, power and labor necessary for the inspection and test shall be furnished by the permit holder and the permit holder shall be responsible for determining that the work will withstand the test pressure prescribed in the following tests. All plumbing system piping shall be tested with either water or, for piping systems other than plastic, by air. After the plumbing fixtures have been set and their traps filled with water, the entire drainage system shall be submitted to final tests. The code official shall require the removal of any cleanouts if necessary to ascertain whether the pressure has reached all parts of the system. **The permit holder, or their authorized agent who is an apprentice, journeyman, or master plumber employed by the permit holder firm or company, must be present during all tests and inspections required by this Section.**

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### **CHAPTER 4 - FIXTURES, FAUCETS AND FIXTURE FITTINGS.**

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#### **SECTION 403 – MINIMUM PLUMBING FACILITIES.**

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

**[B] 403.1.1 Unisex toilet and bath fixtures.** Fixtures located within unisex toilet and bathing rooms complying with Section 404 are permitted to be included in determining the minimum required number of fixtures for assembly and mercantile occupancies. The use of Unisex Bathroom Facilities may not be used to reduce the number of urinals that would normally be required in a mutable fixture bathroom facility required to serve the facility or reduce the fixture count in male and female bathroom facilities.

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#### SECTION 412 – FLOOR AND TRENCH DRAINS.

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**412.3 Size of floor drains.** ~~Floor drains shall have a minimum 2-inch diameter (51 mm) drain outlet.~~ Floor drains installed below a basement floor must be a minimum of four (4) inches in diameter. Floor drains installed above the basement floor must be a minimum of three (3) inches in diameter. Residential emergency drains installed in laundry rooms on floors above usable space may be two (2) inches in diameter when it is properly connected to the drainage and vent system. All floor drains must be supplied with an automatic priming device. Exceptions: For residential installations, hose bibs or a laundry tray may be substituted for an automatic priming device when the fixture is located in the same room.

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#### SECTION 413 - FOOD WASTE GRINDER UNITS.

**413.1 Approval.** Domestic food waste grinders shall conform to ASSE 1008. Commercial food waste grinders shall conform to ASSE 1009. ~~Food waste grinders shall not increase the drainage fixture unit load on the sanitary drainage system.~~ The fixture unit value will increase with the installation of a food waste grinder.

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#### SECTION 417 – SHOWERS.

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**417.3 Shower waste outlet.** ~~Waste outlets serving showers shall be at least 1 ½ inches (38 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 0.25 inch (6.4 mm) in minimum 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 area serving another shower. Waste outlets shall be fastened to the waste pipe in an approved manner.~~ Waste outlets serving showers when installed above the basement floor shall have a diameter of at least two (2) inches with removable strainers of not less than three (3) inches in diameter with strainer openings not less than 0.25 inches in minimum dimension. This requirement is not intended for bathtub-to-shower conversions that require a 1 ½ inch trap and drain connection. The connection from the waste outlet to the drainage system must be fastened in an approved manner.

## CHAPTER 5 – WATER HEATERS.

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### SECTION 504 – SAFETY DEVICES.

**504.6 Requirements for discharge piping.** The discharge piping serving a pressure relief valve, temperature relief valve or combination thereof shall:

1. Not be directly connected to the drainage system.
2. Discharge through an air gap located in the same room as the water heater.
3. Not be smaller than the diameter of the outlet of the valve served and shall discharge full size to the air gap.
4. Serve a single relief device and shall not connect to piping serving any other relief device or equipment.
5. Discharge to the floor, or to an indirect waste receptor, ~~or to the outdoors. Where discharging to the outdoors in areas subject to freezing, discharge piping shall be first piped to an indirect waste receptor through an air gap located in a conditioned area.~~
6. Discharge in a manner that does not cause personal injury or structural damage.
7. Discharge to a termination point that is readily observable by the building occupants.
8. Not be trapped.
9. Be installed so as to flow by gravity.

10. Not terminate more than 6 inches (152 mm) above the floor or waste receptor.
11. Not have a threaded connection at the end of such piping.
12. Not have valves or tee fittings.
13. Be constructed of those materials listed in Section 605.4 or materials tested, rated and approved for such use in accordance with ASME A112.4.1.

**504.7 Required pan.** Where water heaters or hot water storage tanks are installed in locations where leakage of the tanks or connections will cause damage, the tank or water heater shall be installed in a galvanized steel pan having a minimum thickness of 24 gauge, or other pans approved for such use.

**504.7.1 Pan size and drain.** The pan shall be not less than 1.5 inches (38 mm) deep 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 0.75 inch (19 mm). Piping for safety pan drains shall be of those materials listed in Table 605.4.

**504.7.2 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.~~

**504.7.3 Water heater floor drain or drain pan required. All hot water heaters will require a floor drain or approved water heater drain pan regardless of their location to protect the structure and surrounding materials and areas from catastrophic failure of the water heater. This also includes basement floors.**

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## CHAPTER 6 – WATER SUPPLY AND DISTRIBUTION.

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### SECTION 605 – MATERIALS, JOINTS AND CONNECTIONS.

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**605.2 Lead content of water supply pipe and fittings.** Pipe and pipe fittings, including valves and faucets, utilized in the water supply system shall ~~have a maximum of 8 percent lead content~~

**be lead free, as that term is defined in Section 202 of this Article and by the Pennsylvania Plumbing System Lead Ban and Notification Act at 35 P.S. § 723.3.**

**605.2.1 Ban on repair of privately-owned lead water service lines. Repair of and/or partial replacement of existing privately-owned lead water service lines is prohibited by this Article. When an existing privately-owned lead water service line fails such that it needs to be repaired, the entire lead water service line must be replaced with approved, lead-free pipe and fittings.**

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**605.13 Gray iron and ductile iron joints.** Joints for gray and ductile iron pipe and fittings shall comply with AWWA C111 and shall be installed in accordance with the manufacturer's installation instructions.

**605.13.1 Rodding of joints on grey iron and ductile iron joints. All mechanical joints on grey iron and ductile iron pipe must be rodded in addition to the required thrust blocks at all changes in direction and other areas specified by the Administrative Authority.**

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**605.25 Materials approved by Allegheny County Plumbing Advisory Board. Materials not listed in this code as approved materials may be approved for use by an affirmative vote of the Plumbing Advisory Board. The Department shall maintain and publish on the Department website a list of materials approved by the Plumbing Advisory Board in this manner.**

## **CHAPTER 7 – SANITARY DRAINAGE.**

### **SECTION 701 – GENERAL.**

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**701.2 Sewer required.** Every building in which plumbing fixtures are installed and all premises having drainage piping shall be connected to a public sewer, where available, or an approved private sewage disposal system in accordance with the *International Private Sewage Disposal Code* **Pennsylvania Sewage Facilities Act, 35 P.S. §§ 750.1 – 750.20a., and its implementing regulations found at Title 25 of the Pennsylvania Code, Chapters 71 – 73.**

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**701.3 Public Sewers and/or Water Mains Not Available.** Where public sewers and/or water mains are not immediately available, it may become necessary to construct a private sanitary sewer, storm sewer, and/or water main to connect with a public utility. A variance must be obtained from the Director prior to construction of a private sanitary sewer, storm sewer, and/or water main. Plans indicating size, materials, and method of construction must be submitted to the Administrative Authority for approval. Private sewers and/or water mains shall be constructed on the outside of building or buildings and branched into each house or building separately. When private sewers and/or water mains must cross another property or properties to connect with a public sanitary sewer, storm sewer and/or water main, an easement shall be recorded in the deeds of all affected property owners. A mutual maintenance agreement shall be recorded in the deeds of all such properties connected to a private sewer or water main system to affix equal responsibility in maintaining the private sewer (s) or water main(s). A copy of each deed shall be filed with the Administrative Authority.

**701.3.1 Existing Common Sewer Lateral.** When the Administrative Authority identifies the existence of a common sewer lateral (CSL) that is not recorded in the Recorder of Deeds Office of Allegheny County, it may issue orders to all affected property owners to separately connect to an available public sewer, or in the alternative, to record in the Recorder of Deeds Office of Allegheny County, a document, approved by the Administrative Authority, identifying the existence of the CSL and adequately specifying the maintenance responsibilities for property owners.

**701.3.2 Avoiding Public Health Hazards. In order to prevent a public health hazard, all properties connected to a CSL must remain connected to that CSL until all requirements of Section 701.3.1, above, are met.**

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## **SECTION 703 – BUILDING SEWER.**

**703.1 Building sewer pipe near the water service.** Where the building sewer is installed within 5 feet (1524 mm) of the water service, the installation shall comply with the provisions of Section 603.2.

**703.1.1 Controlling trap. A controlling trap shall be required when the building storm sewer is to be connected to a combination public sewer system or a storm sewer that connects to a public combination sewer. (Trap or Trap Manhole).**

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**SECTION 712 – SUMPS AND EJECTORS.**

**712.1 Building subdrains.** Building subdrains that cannot be discharged to the sewer by gravity flow shall be discharged into a tightly covered and vented sump from which the liquid shall be lifted and discharged into the building gravity drainage system by automatic pumping equipment or other approved method. In other than existing structures, the sump shall not receive drainage from any piping within the building capable of being discharged by gravity to the building sewer.

**712.1.1 Building Drains Below Building Sewer. All building drains shall be discharged into the sewer by gravity flow. When differences exist in the elevation of the sewer and the main building drain prohibiting the flow by gravity, a variance may be granted by the Director, but shall require, in addition to any other requirements, that the alternate system meet all requirements of this Article. Any alternate system shall discharge into a tightly covered and vented sump from which the liquid shall be lifted and discharged into the building gravity drainage system by automatic pumping equipment or by any equally efficient method approved by the Administrative Authority. Any building having a single lower level, with fixtures or drains discharging sewage or liquid waste below the normal grade of the gravity system, may use a sump as an auxiliary method to discharge from the levels below grade level only. The use of an auxiliary sump will not require a variance but must be approved by the Administrative Authority.**

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**712.4 Sewage pumps and sewage ejectors.** A sewage pump or sewage ejector shall automatically discharge the contents of the sump to the building drainage system.

**712.4.1 Macerating toilet systems.** Macerating toilet systems ~~shall comply with CSA B45.9 or ASME A112.3.4 and shall be installed in accordance with the manufacturer's installation instructions~~ **require a variance approval from the Administrative Authority before installation.**

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**CHAPTER 10 – TRAPS, INTERCEPTORS AND SEPARATORS.**

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## SECTION 1003 – INTERCEPTORS AND SEPARATORS.

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**1003.3 Grease interceptors.** Grease interceptors shall comply with the requirements of Sections 1003.3.1 through 1003.3.5.

**1003.3.1 Grease interceptors and automatic grease removal devices required.** A grease interceptor or automatic grease removal device shall be required to receive the drainage from fixtures and equipment with grease-laden waste located in food preparation areas, such as in restaurants, hotel kitchens, hospitals, school kitchens, bars, factory cafeterias and clubs. Fixtures and equipment shall include pot sinks, prerinse sinks; soup kettles or similar devices; wok stations; floor drains or sinks into which kettles are drained; automatic hood wash units and dishwashers without prerinse sinks. Grease interceptors and automatic grease removal devices shall receive waste only from fixtures and equipment that allow fats, oils or grease to be discharged.

**1003.3.2 Grease Interceptor Location.** ~~Grease interceptors, where necessary or required, shall not be located in any kitchen or room where food is prepared, cooked, mixed, baked, smoked, preserved, exposed, bottled, packed, handled, stored, or manufactured. This provision need not apply where a semi-automatic draw-off type grease interceptor is provided.~~ A variance must be approved by the Administrative Authority for all grease interceptors located in areas where food is prepared, cooked, baked, smoked, preserved, exposed, bottled, packed, handled, stored, or manufactured regardless of what type of grease interceptor is used.

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## CHAPTER 11 – STORM DRAINAGE.

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### SECTION 1108 – COMBINED SANITARY AND STORM SYSTEM.

**1108.1 Size of combined drains and sewers.** The size of a combination sanitary and storm drain or sewer shall be computed in accordance with the method in Section 1106.3. The fixture units shall be converted into an equivalent projected roof or paved area. Where the total fixture load on the combined drain is less than or equal to 256 fixture units, the equivalent drainage area in horizontal projection shall be taken as ~~4,000~~ 1000 square feet (~~372~~ 93 m<sup>2</sup>). Where the total

fixture load exceeds 256 fixture units, each additional fixture unit shall be considered the equivalent of ~~15.6~~ 3.9 square feet (~~1.5~~ .362 m<sup>2</sup>) of drainage area. These values are based on a rainfall rate of 14 inches (~~25~~ 101.6 mm) per hour.

#### SECTION 1109 – VALUES FOR CONTINUOUS FLOW.

**1109.1 Equivalent roof area.** Where there is a continuous or semi-continuous discharge into the building storm drain or building storm sewer, such as from a pump, ejector, air conditioning plant or similar device, each gallon per minute (L/m) of such discharge shall be computed as being equivalent to ~~96~~ 24 square feet (~~9~~ 2.23 m<sup>2</sup>) of roof area, based on a rainfall rate of 14 inches (~~25.4~~ 101.6 mm) per hour.

## MINIMUM REQUIRED PLUMBING FIXTURES

USE GROUP	DESCRIPTION	WATER CLOSET/URINALS		LAVATORIES	BATHTUBS SHOWERS	DRINKING FOUNTAIN	OTHER	Footnotes
		MALE	FEMALES					
A-1	Theaters and other buildings for the performing arts and motion pictures	2 per 100 (up to 400) over 400 Add 1 per 125	1 per 25 (up to 100) over 100 Add 1 per 65	1 per 200		1 per toilet room, but not less than 1 per 1,000	1 service sink per floor	2, 3, 4, 5, 6, 10, 13, 15, 16, 17 *
A-2	Nightclubs, bars, taverns, dance halls and buildings for similar purposes, restaurants, banquet halls and food courts	2 per 1-50 3 per 51-100 4 per 101-150 over 150, add 1 per 40	1 per 1-25 2 per 26-50 3 per 51-100 over 150, add 1 per 40	1 per 75			1 service sink per floor	2, 3, 4, 5, 6, 10, 13, 14, 15, 16, 17 *
A-3	Auditoriums without permanent seating, art galleries, exhibition halls, museums, lecture halls, libraries, arcades and gymnasiums	1 per 125	1 per 65	1 per 200		1 per 500	1 service sink per floor	2, 3, 4, 5, 6, 10, 13, 15, 16, 17 *
	Passenger Terminals and transportation facilities	1 per 500	1 per 500	1 per 750		1 per 1,000	1 service sink	17 *
	Places of worship and religious services	1 per 150	1 per 75	1 per 200		1 per 1,000	1 service sink	2, 3, 4, 5, 6, 10, 13, 14, 15, 16 *

\*Other footnotes may apply pending plan review

## MINIMUM REQUIRED PLUMBING FIXTURES

USE GROUP	DESCRIPTION	WATER CLOSET/URINALS		LAVATORIES		BATHTUBS SHOWERS	DRINKING FOUNTAIN	OTHER	Footnotes
		MALE	FEMALES	M	F				
A-4	Coliseums, arenas, skating rinks, pooks and tennis courts for indoor sporting events and acitivities	1 per 75 for first 1,500 and 1 per 60 for the remainder exceeding 1,520	1 per 40 for the first 1,500 and 1 per 60 for the remainder exceeding 1,520	1 per 200	1 per 150		1 per 1,000	1 service sink	2, 3, 4, 5, 6, 10, 15, 16, 17 *
A-5	Stadiums, amusement parks, bleachers and grandstands for outdoor sporting events and activites	1 per 75 for the first 1,500 and 1 per 120 for the remainder exceeding 1,500	1 per 40 for the first 1,520 and 1 per 60 for the remainder exceeding 1,520	1 per 200	1 per 150		1 per 1,000	1 service sink	2, 3, 4, 5, 6, 10, 15, 16, 17 *

\*Other footnotes may apply pending plan review

## MINIMUM REQUIRED PLUMBING FIXTURES

USE GROUP	DESCRIPTION	WATER CLOSET/URINALS		LAVATORIES	BATHTUBS SHOWERS	DRINKING FOUNTAIN	OTHER	Footnotes
		MALE	FEMALES					
B	Buildings for the transaction of business, professional services, other services involving merchandise, office buildings, banks, light industrial and similar uses	1 per 1-15 2 per 16-35 3 per 36-55 4 per 56-80 5 per 81-110 6 per 111-150 over 150-ADD 1 per 40	1 per 1-15 2 per 16-35 3 per 36-55 4 per 56-80 5 per 81-110 6 per 111-150 Over 150-ADD 1 per 40	1 per 1-25 2 per 26-50 3 per 51-100 4 per 101-150 5 per 151-200 Over 200-ADD 1 per 80		1 per 100	1 service sink per floor	9, 15, 16, 17 *

\*Other footnotes may apply pending plan review

## MINIMUM REQUIRED PLUMBING FIXTURES

USE GROUP	DESCRIPTION	WATER CLOSET/URINALS		LAVATORIES	BATHTUBS SHOWERS	DRINKING FOUNTAIN	OTHER	Footnotes
		MALE	FEMALES					
E	Elementary (students)	1 per 40	1 per 30	1 per 50		1 per 100		
	Elementary (secondary)	1 per 50	1 per 40	1 per 50		1 per 100		
	University, adult centers, etc.	1 per 50	1 per 40	1 per 50	Footnote 7		1 service sink per floor	2, 3, 4, 5, 6, 8, 9, 10, 11, 16, 17 *
	Staff (all schools)	same as office buildings	same as office buildings	same as office buildings				
F-1 and F-2	Structures in which occupants are engaged in work fabricating, assembly or processing of products or materials	1 per 25 up to 100  over 100= 1 per 100	1 per 25 up to 100  over 100 = 1 per 100	1 per 25 up to 100  over 100- ADD: 1 per 50		1 per 100	1 service sink per floor	9, 15, 16 *

\*Other footnotes may apply pending plan review

## MINIMUM REQUIRED PLUMBING FIXTURES

USE GROUP	DESCRIPTION	WATER CLOSET/URINALS		LAVATORIES	BATHTUBS SHOWERS	DRINKING FOUNTAIN	OTHER	Footnotes
		MALE	FEMALES					
I-1	Residential Care	1 per 10	1 per 10	1 per 10	1 per 8	1 per 100	1 service sink	2, 3, 4, 5, 6, 10, 13, 15, 16, 17, 18, 19 *
	Hospitals, ambulatory nursing home patients	1 per room	1 per room	1 per room	1 per 15	1 per 100	1 service sink per floor	
I-2	Employees, other than residential care	1 per 25	1 per 25	1 per 35		1 per 100		2, 3, 4, 5, 6, 10, 13, 15, 16, 17, 18, 19 *
	Visitors, other than residential care	1 per 75	1 per 75	1 per 100		1 per 500		
I-3	Prisons	1 per cell	1 per cell	1 per cell	1 per 15	1 per 100	1 service sink	2, 3, 4, 5, 6, 10, 15, 16, 17, 19 *
	Reformatories, detention centers and correctional centers	1 per 15	1 per 15	1 per 15	1 per 15	1 per 100	1 service sink	
	Employees	1 per 25	1 per 25	1 per 25		1 per 100		
I-4	Adult day care and child care	1 per 15	1 per 15	1 per 15	1	1 per 100	1 service sink	2, 3, 4, 5, 6, 10, 15, 16, 17, 19 *
	Day care and child care centers					1 per 100	1 service sink per floor	
	Children under 6	1 per 10	1 per 10	1 per 10				
	Children over 6	1 per 12	1 per 12	1 per 12				
	Staff	1 per 15	1 per 15	1 per 15				

\*Other footnotes may apply pending plan review

## MINIMUM REQUIRED PLUMBING FIXTURES

USE GROUP	DESCRIPTION	WATER CLOSET/URINALS		LAVATORIES		BATHTUBS SHOWERS	DRINKING FOUNTAIN	OTHER	Footnotes
		MALE	FEMALES	M	F				
M	Retail stores, service stations, shops, salesrooms, markets and shopping centers	1 per 500		1 per 750			1 per 1,000	1 service sink	2, 3, 4, 5, 6, 10, 13, 15, 16, 17 *
R-1	Hotels, motels, boarding houses (transient)	1 per sleeping unit		1 per sleeping unit		1 per sleeping unit		1 service sink	2, 3, 4, 5, 6, 10, 13, 15, 16, 17 *
R-2	Dormitories, fraternities, sororities and boarding houses (not transient)	1 per 10		1 per 10		1 per 8	1 per 100	1 service sink	
R-2	Apartment house	1 per dwelling unit		1 per dwelling unit		1 per dwelling unit		1 kitchen sink per dwelling unit; 1 automatic clothes washer connection per 20 dwelling units	
R-3	One- and two-family dwellings	1 per dwelling unit		1 per dwelling unit		1 per dwelling unit		1 kitchen sink per dwelling unit; 1 automatic clothes washer connection per dwelling unit	
R-3	Congregate living facilities with 16 or fewer people	1 per 10		1 per 10		1 per 8	1 per 100	1 service sink	
R-4	Residential care/assisted living facilities	1 per 10		1 per 10		1 per 8	1 per 100	1 service sink	2, 3, 4, 5, 6, 10, 13, 15, 16, 17, 18, 19 *

\*Other footnotes may apply pending plan review

## MINIMUM REQUIRED PLUMBING FIXTURES

S-1 S-2	Structures for the storage of goods, warehouses, storehouse and fright depots. Low and Moderate Hazard	1 per 100	1 per 100	See Section 411	1 per 1,000	1 service sink	15, 16 *
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\*Other footnotes may apply pending plan review

## FOOTNOTES

1. "Restaurant" occupancy refers only to establishments that sell food primarily to be consumed on the premises. Establishments that only sell "take-out" food shall not be classified as a "restaurant"
2. For establishments serving food and/or drinks, see Article III, "Restaurants" and Article IV, "General Food", of the Allegheny County Health Department Rules & Regulations.
3. Dipper wells with running water shall be provided in conjunction with the dispensing of ice cream, yogurt and/or related products.
4. One 3-compartment rinsing sink shall be installed in each bar.
5. A 3-compartment sink shall be provided when food is prepared or served on the premises.
6. Utility sinks shall be provided for washing utensils, equipment, and appurtenances in accordance with Article III, "Restaurants" and Article IV, "General Food".
7. Provide showers for 1/5 of the maximum number of students using gymnasium and/or pool at one time.
8. Staff facilities in university, college, adult centers may be combined with student facilities.
9. Provide one lavatory for each five persons exposed to skin contamination with poisonous, infectious, or irritating material.
10. Sinks used for dishes, utensils and any other food related items shall be NSF approved.
11. Water closets for children under age 6 shall be of suitable size and height, and seats shall be of an open sanitary type.
12. Separate toilet facilities shall be provided in centers with daily enrollment of 25 or more children.
13. In A-2, occupancy urinals are required in single occupancy bathrooms (does not include family bathrooms)
14. In A-2, occupancy when the aggregate of 8 or more male and female water closets are provided a family assisted or assisted use bathroom is required.
15. Drinking fountains are not required for occupants of 15 or fewer provided potable water is available for building occupants such as bottled water or break room sink.
16. The minimum number of required drinking fountains shall comply with Table 403.1 and Chapter 11 of the *International Building Code*. A single high/low drinking fountain shall be considered one fixture.
17. The occupant load for seasonal outdoor seating and entertaining areas shall be included when determining the minimum number of facilities required.
18. Toilet facilities for employees shall be separate from facilities for inmates or patients.
19. A single-occupant toilet room with one water closet and one lavatory serving not more than two adjacent patient sleeping units shall be permitted where such room is provided with direct access from each patient sleeping unit and with provisions for privacy.
20. May require more than 1 service sink per floor if no elevator equip in building