REV 11.10.25

Ad Hoc Code Review and Rulemaking Committee 2024 UPC Recommendations to the Board

Chapter 8

Line #	Rules affected	RFA No.	Brief Title	Proposal and Committee recommendation	Date of Committee review	Plumbing Board action/comments	(A)ccept (R)eject (M)odify
132	801.3.2		Walk-In Coolers.	**Recommendation - Leave as amended in the 2020 MPC.** 801.3.2 Walk-In Coolers. Floor drains shall not be located inside walk-in coolers unless they are specifically required by the licensing authority. Where required, floor drains shall be connected to a separate drainage line discharging into an outside receptor. The flood-level rim of the receptor shall not be less than 6 inches (152 mm) lower than the lowest floor drain. The floor drains shall be trapped and individually vented. Cleanouts shall be provided at 90 degree (1.57 rad) turns and shall be accessibly located. The waste shall discharge through an air gap or air break into a trapped and vented receptor, except that a full-size air gap is required where the indirect waste pipe is under vacuum.	6.25.2024		
133	801.3.3		801.3.3 Food-Handling Fixtures.	**Recommendation - Leave as amended in the 2020 MPC.** 801.3.3 Food-Handling Fixtures. Cooking ranges, steam kettles, potato peelers, ice cream dipper wells, and similar equipment shall be indirectly connected to the drainage system by means of an air gap. Bins, cooling counters, compartments, and other equipment having drainage connections and used for the storage of unpackaged ice used for human ingestion, or used in direct contact with ready-to-eat food, shall be indirectly connected to the drainage system by means of an air gap.	6.25.2024		
134	801.4		801.4 Bar and Fountain Sink Traps.	**Leave as amended in the 2020 MPC. Deleted in its entirety.**	6.25.2024		
135	804.2		804.2 Domestic or Culinary Type Fixtures Prohibited as Receptors	**Recommendation - Leave as amended in the 2020 MPC.** 804.2 Domestic or Culinary Type Fixtures Prohibited as Receptors. No plumbing fixture that is used for domestic or culinary purposes shall be used to receive the discharge of an indirect waste. Exception: Domestic use dishwashers may discharge into a sink, or discharge to a sink tailpiece or food-waste grinder when installed in accordance with Section 807.3.	6.25.2024		
136	807.3		807.3 Domestic Dishwashing Machine	**Recommendation - Leave as amended in the 2020 MPC.** 807.3 Domestic Dishwashing Machine. No domestic dishwashing machine shall be directly connected to a drainage system or food waste disposer without the use of an approved dishwasher air gap fitting on the discharge side of the dishwashing machine or run the discharge line as high as possible under the countertop, securely fastened. Listed air gaps shall be installed with the flood level (FL) marking at or above the flood level of the sink or drainboard, whichever is higher.	6.25.2024		
137	810.1		810.1 High-Temperature Discharge.	**Recommendation - Leave as amended in the 2020 MPC.** 810.1 High-Temperature Discharge. No steam pipe shall be directly connected to plumbing or drainage system, nor shall water having a temperature above 140°F (60°C) be discharged under pressure directly into a drainage system.	6.25.2024		
138	Table 810.1		TABLE 810.1 PIPE CONNECTIONS IN BLOWOFF CONDENSERS AND SUMPS	**Leave as amended in the 2020 MPC. Deleted in its entirety.**	6.25.2024		
139	811.9		811.9 Waste and Vent.	**Recommendation - Leave as amended in the 2020 MPC.** 811.9 Waste and Vent. Thermal expansion and contraction compensation shall be provided for every 30 feet of developed horizontal or vertical length of run for thermoplastic piping as shown in Table 313.3.1.	6.25.2024		
140			813.1 General	**Recommendation: Leave as amended in the 2020 MPC, as follows:** 813.1 General. Pipes carrying wastewater from swimming or wading pools, including pool drainage and backwash from filters, water from scum gutter drains and pool deck drains, shall be installed as an indirect waste. Pool deck drains need not be trapped and vented per section 803.1. Pool deck drain piping must be pitched at a minimum of 1⁄8 inch per foot for pipe sizes 3 inches and larger. Where a pump is used to discharge waste pool water to the drainage system, the pump discharge shall be installed as an indirect waste.	6.25.2024		
141	814	PB0181	Condesate Piping	**Recommendtion - Do not accept RFA PB0181. Leave as amended in the 2020 MPC**	6.25.2024		
142	814.1		814.1 Condensate Disposal.	**Recommendation - Leave as amended in the 2020 MPC.** 814.1 Condensate Disposal. Where discharged into the drainage system, equipment shall drain by means of an indirect waste pipe.	6.25.2024		

Ad Hoc Code Review and Rulemaking Committee 2024 UPC Recommendations to the Board Chapter 8							
Line #	**Rules affected**	**RFA No.**	**Brief Title**	**Proposal and Committee recommendation**	**Date of Committee review**	**Plumbing Board action/comments**	**(A)ccept (R)eject (M)odify**
143	814.1.1		814.1.1 Condensate Pumps.	**Recommendation - Delete in its entirety**. ~~814.1.1 Condensate Pumps. Where approved by the Authority Having Jurisdiction, condensate pumps shall be installed in accordance with the manufacturer's installation instructions. Pump discharge shall rise vertically to a point where it is possible to connect to a gravity condensate drain and discharged to an approved disposal point. Each condensing unit shall be provided with a separate sump and interlocked with the equipment to prevent the equipment from operating during a failure. Separate pumps shall be permitted to connect to a single gravity indirect waste where equipped with check valves and approved by the Authority Having Jurisdiction.~~	6.25.2024		
144	814.3		814.3 Condensate Waste Pipe Material and Sizing.	**Leave as amended in the 2020 MPC. Deleted in its entirety**	6.25.2024		
145	Table 814.3		TABLE 814.3MINIMUM CONDENSATE PIPE SIZE	**Leave as amended in the 2020 MPC. Deleted in its entirety**	6.25.2024		
146	814.3.1		814.3.1 Cleanouts.	**Leave as amended in the 2020 MPC. Deleted in its entirety**	6.25.2024		
147	814.4		814.4 Appliance Condensate Drains.	**Recommendation - Leave as amended in the 2020 MPC.** 814.4 Appliance Condensate Drains. Condensate drain lines from individual condensing appliances shall be sized as required by the manufacturer's instructions. Condensate drain lines serving more than one appliance shall be approved by the Authority Having Jurisdiction prior to installation.	6.25.2024		
148	814.5		814.5 Point of Discharge.	**Recommendation - Leave as amended in the 2020 MPC.** 814.5 Point of Discharge. Air-conditioning condensate waste pipes shall connect indirectly to the interior drainage system through an air gap or air break to: (1) properly trapped and vented receptors; (2) the tailpiece of an approved plumbing fixture; or (3) an exterior place of disposal approved by the Minnesota Pollution Control Agency. Condensate waste shall not drain over a public way or in areas causing a nuisance.	6.25.2024		

Ad Hoc Code Review and Rulemaking Committ
Chapter 8 (Kee

Line #	Rules affected	Brief Title	Proposal and Committee recommendation	2024 UPC
1		**801.0 General.**		**801.0 General.**
2		**801.1 Applicability.**	Keep as shown in 2024 UPC	**801.1 Applicability.** This chapter shall govern the materials, design, and installation of indirect waste piping, receptors, and connections; and provisions for discharge and disposal of condensate wastes, chemical wastes, industrial wastes, and clear water wastes.
3		**801.2 Air Gap or Air Break Required.**	Keep as shown in 2024 UPC	**801.2 Air Gap or Air Break Required.** Indirect waste piping shall discharge into the building drainage system through an air gap or air break as set forth in this code. Where a drainage air gap is required by this code, the minimum vertical distance as measured from the lowest point of the indirect waste pipe or the fixture outlet to the flood-level rim of the receptor shall be not less than 1 inch (25.4 mm).
4		**801.3 Food and Beverage Handling Establishments.**	Keep as shown in 2024 UPC	**801.3 Food and Beverage Handling Establishments.** Establishments engaged in the storage, preparation, selling, serving, processing, or other handling of food and beverage involving the following equipment that requires drainage shall provide indirect waste piping for refrigerators, refrigeration coils, freezers, walk-in coolers, iceboxes, ice-making machines, steam tables, egg boilers, coffee urns and brewers, hot-and-cold drink dispensers, and similar equipment.
5		**801.3.1 Size of Indirect Waste Pipes.**	Keep as shown in 2024 UPC	**801.3.1 Size of Indirect Waste Pipes.** Except for refrigeration coils and ice-making machines, the size of the indirect waste pipe shall be not smaller than the drain on the unit, but shall be not smaller than 1 inch (25 mm), and the maximum developed length shall not exceed 15 feet (4572 mm). Indirect waste pipe for ice-making machines shall be not less than the drain on the unit and in no case less than 3⁄4 of an inch (20 mm).

Ad Hoc Code Review and Rulemaking Committ
Chapter 8 (Kee

Line #	Rules affected	Brief Title	Proposal and Committee recommendation	2024 UPC
6		**801.5 Connections from Water Distribution System.**	Keep as shown in 2024 UPC	**801.5 Connections from Water Distribution System.** Indirect waste connections shall be provided for drains, overflows, or relief pipes from potable water pressure tanks, water heaters, boilers, and similar equipment that is connected to the potable water distribution system. Such indirect waste connections shall be made using a water-distribution air gap constructed in accordance with Table 603.3.1.
7		**801.6 Sterilizers.**	Keep as shown in 2024 UPC	**801.6 Sterilizers.** Lines, devices, or apparatus such as stills, sterilizers, and similar equipment requiring waste connections and used for sterile materials shall be indirectly connected using an air gap. Each such indirect waste pipe shall be separately piped to the receptor and shall not exceed 15 feet (4572 mm). Such receptors shall be located in the same room.
8		801.7 Drip or Drainage Outlets.	Keep as shown in 2024 UPC	**801.7 Drip or Drainage Outlets**. Appliances, devices, or apparatus not regularly classified as plumbing fixtures, but which have a drip or drainage outlets, shall be permitted to be drained by indirect waste pipes discharging into an open receptor through either an air gap or air break (see Section 801.3.1).
9		802.0 Approvals.	Keep as shown in 2024 UPC	**802.0 Approvals.**
10		802.1 General.	Keep as shown in 2024 UPC	**802.1 General.** No plumbing fixtures served by indirect waste pipes or receiving discharge therefrom shall be installed until first approved by the Authority Having Jurisdiction.
11		**803.0 Indirect Waste Piping.**	Keep as shown in 2024 UPC	**803.0 Indirect Waste Piping.**
12		803.1 Materials.	Keep as shown in 2024 UPC	**803.1 Materials.** Pipe, tube, and fittings conveying indirect waste shall be of such materials and design as to perform their intended function to the satisfaction of the Authority Having Jurisdiction.

Ad Hoc Code Review and Rulemaking Committ
Chapter 8 (Kee

Line #	Rules affected	Brief Title	Proposal and Committee recommendation	2024 UPC
13		803.2 Copper and Copper Alloys	Keep as shown in 2024 UPC	**803.2 Copper and Copper Alloys.** Joints and connections in copper and copper alloy pipe and tube shall be installed in accordance with Section 705.3.
14		803.3 Pipe Size and Length.	Keep as shown in 2024 UPC.	**803.3 Pipe Size and Length.** Except as hereinafter provided, the size of indirect waste piping shall be in accordance with other sections of this code applicable to drainage and vent piping. No vent from indirect waste piping shall combine with a sewer-connected vent. Vents from indirect waste piping shall extend separately to the outside air. Indirect wastepipes exceeding 5 feet (1524 mm), but less than 15 feet (4572mm) in length shall be directly trapped, but such traps need not be vented. Indirect waste pipes less than 15 feet (4572 mm) in length shall be not less than the diameter of the drain outlet or tailpiece of the fixture, appliance, or equipment served, and in no case less than 1⁄2 of an inch (15 mm). Angles and changes of direction in such indirect waste pipes shall be provided with cleanouts to permit flushing and cleaning.
15		**804.0 Indirect Waste Receptors.**	Keep as shown in 2024 UPC.	**804.0 Indirect Waste Receptors.**

Ad Hoc Code Review and Rulemaking Committ
Chapter 8 (Kee

Line #	Rules affected	Brief Title	Proposal and Committee recommendation	2024 UPC
16		804.1 Standpipe Receptors.	Keep as shown in 2024 UPC.	**804.1 Standpipe Receptors.** Plumbing fixtures or other receptors receiving the discharge of indirect waste pipes shall be approved for the use proposed and shall be of such shape and capacity as to prevent splashing or flooding and shall be located where they are readily accessible for inspection and cleaning. No standpipe receptor for a clothes washer shall extend more than 30 inches (762 mm), or not less than 18 inches (457 mm) above its trap weir. No trap for a clothes washer standpipe receptor shall be installed below the floor, but shall be roughed in not less than 6 inches (152 mm) and not more than 18 inches (457 mm) above the floor. No indirect waste receptor shall be installed in a toilet room, closet, cupboard, or storeroom, or in a portion of a building not in general use by the occupants thereof; except standpipes for clothes washers shall be permitted to be installed in toilet and bathroom areas where the clothes washer is installed in the same room.
17		**805.0 Pressure Drainage Connections.**	Keep as shown in 2024 UPC.	**805.0 Pressure Drainage Connections.**
18		805.1 General.	Keep as shown in 2024 UPC.	**805.1 General.** Indirect waste connections shall be provided for drains, overflows, or relief vents from the water supply system, and no piping or equipment carrying wastes or producing wastes or other discharges under pressure shall be directly connected to a part of the drainage system. The preceding shall not apply to an approved sump pump or to an approved pressure-wasting plumbing fixture or device where the Authority Having Jurisdiction has been satisfied that the drainage system is adequately sized to accommodate the anticipated discharge thereof.
19		**806.0 Sterile Equipment.**	Keep as shown in 2024 UPC.	**806.0 Sterile Equipment.**
20		806.1 General.	Keep as shown in 2024 UPC.	**806.1 General.** Appliances, devices, or apparatus such as stills, sterilizers, and similar equipment requiring water and waste and used for sterile materials shall be drained through an air gap.

Ad Hoc Code Review and Rulemaking Committ
Chapter 8 (Kee

Line #	Rules affected	Brief Title	Proposal and Committee recommendation	2024 UPC
21		**807.0 Appliances.**	Keep as shown in 2024 UPC.	**807.0 Appliances.**
22		807.1 Non-Classed Apparatus.	Keep as shown in 2024 UPC.	**807.1 Non-Classed Apparatus.** Commercial dishwashing machines, silverware washing machines, and other appliances, devices, equipment, or other apparatus not regularly classed as plumbing fixtures, which are equipped with pumps, drips, or drainage outlets, shall be permitted to be drained by indirect waste pipes discharging through an air break into an approved type of open receptor.
23		807.2 Undiluted Condensate Waste.	Keep as shown in 2024 UPC.	**807.2 Undiluted Condensate Waste.** Where undiluted condensate waste from a fuel-burning condensing appliance is discharged into the drainage system, the material in the drainage system shall be cast-iron, galvanized iron, plastic, or other materials approved for this use.
24			Keep as shown in 2024 UPC.	**Exceptions:**(1) Where the above condensate is discharged to an exposed fixture tailpiece and trap, such tailpiece and trap shall be permitted to be a copper alloy.
25			Keep as shown in 2024 UPC.	(2) Materials approved in Section 701.0 shall be permitted to be used where data is provided that the condensate waste is adequately diluted.
26		**808.0 Cooling Water.**	Keep as shown in 2024 UPC.	**808.0 Cooling Water.**
27		808.1 General.	Keep as shown in 2024 UPC.	**808.1 General.** Where permitted by the Authority Having Jurisdiction, clean running water used exclusively as a cooling medium in an appliance, device, or apparatus shall be permitted to discharge into the drainage system through the inlet side of a fixture trap in the event that a suitable fixture is not available to receive such discharge. Such trap connection shall be by means of a pipe connected to the inlet side of an approved fixture trap, the upper end terminating in a funnel shaped receptacle set adjacent, and not less than 6 inches (152mm) above the overflow rim of the fixture.

Ad Hoc Code Review and Rulemaking Committ
Chapter 8 (Kee

Line #	Rules affected	Brief Title	Proposal and Committee recommendation	2024 UPC
28		**809.0 Drinking Fountains**.	Keep as shown in 2024 UPC.	**809.0 Drinking Fountains**.
29		809.1 General.	Keep as shown in 2024 UPC.	**809.1 General.** Drinking fountains shall be permitted to be installed with indirect wastes through an air break.
30		**810.0 Steam and Hot Water Drainage Condensers and Sumps.**	Keep as shown in 2024 UPC.	**810.0 Steam and Hot Water Drainage Condensers and Sumps.**
31		810.2 Sumps, Condensers, and Intercepting Tanks.	Keep as shown in 2024 UPC.	**810.2 Sumps, Condensers, and Intercepting Tanks.** Sumps, condensers, or intercepting tanks that are constructed of concrete shall have walls and bottom, not less than 4 inches(102 mm) in thickness, and the inside shall be cement plastered not less than 1⁄2 of an inch (12.7 mm) in thickness. Condensers constructed of metal shall be not less than No. 12 U.S.standard gauge (0.109 inch) (2.77 mm), and such metal condensers shall be protected from external corrosion by an approved bituminous coating.
32		810.3 Cleaning.	Keep as shown in 2024 UPC.	**810.3 Cleaning.** Sumps and condensers shall be provided with suitable means of access for cleaning and shall contain a volume of not less than twice the volume of water removed from the boiler or boilers connected to it where the normal water level of such boiler or boilers is reduced not less than 4 inches (102 mm).
33		810.4 Strainers.	Keep as shown in 2024 UPC.	**810.4 Strainers.** An indirect waste interceptor is receiving discharge-containing particles that would clog the receptor drain shall have a readily removable beehive strainer.
34		**811.0 Chemical Wastes.**	Keep as shown in 2024 UPC.	**811.0 Chemical Wastes.**

Ad Hoc Code Review and Rulemaking Committ
Chapter 8 (Kee

Line #	Rules affected	Brief Title	Proposal and Committee recommendation	2024 UPC
35		811.1 Pretreatment	Keep as shown in 2024 UPC.	**811.1 Pretreatment.** Chemical or liquid industrial wastes that are likely to damage or increase maintenance costs on the sanitary sewer system, detrimentally affect sewage treatment or contaminate surface or subsurface waters shall be pretreated to render them innocuous before discharge into a drainage system. Detailed construction documents of the pretreatment facilities shall be required by the Authority Having Jurisdiction. Piping conveying industrial, chemical, or process wastes from their point of origin to sewer-connected pretreatment facilities shall be of such material and design as to adequately perform its intended function to the satisfaction of the Authority Having Jurisdiction. Drainage discharge piping from pretreatment facilities or interceptors shall be in accordance with standard drainage installation procedures. Copper or copper alloy tube shall not be used for chemical or industrial wastes as defined in this section.
36			Keep as shown in 2024 UPC.	**811.2 Waste and Vent Pipes.** Each waste pipe receiving or intended to receive the discharge of a fixture into which acid or corrosive chemical is placed, and each vent pipe connected thereto, shall be constructed of chlorinated polyvinyl chloride(CPVC), polypropylene (PP), polyvinylidene fluoride(PVDF), chemical-resistant glass, high-silicon iron pipe, or lead pipe with a wall thickness of not less than 1⁄8 of an inch(3.2 mm); an approved type of ceramic glazed or unglazed vitrified clay; or other approved corrosion-resistant materials.CPVC pipe and fittings shall comply with ASTM F2618.PP pipe and fittings shall comply with ASTM F1412 or CSAB181.3. PVDF pipe and fittings shall comply with ASTMF1673 or CSA B181.3. Chemical-resistant glass pipe and fittings shall comply with ASTM C1053. High-silicon iron pipe and fittings shall comply with ASTM A861.
37		811.3 Joining Materials	Keep as shown in 2024 UPC.	**811.3 Joining Materials.** Joining materials shall be of approved type and quality.

Line #	Rules affected	Brief Title	Proposal and Committee recommendation	2024 UPC
38		811.4 Access.	Keep as shown in 2024 UPC.	**811.4 Access.** Where practicable, the piping shall be readily accessible and installed with the maximum of clearance from other services.
39		811.5 Permanent Record.	Keep as shown in 2024 UPC.	**811.5 Permanent Record.** The owner shall make and keep a permanent record of the location of piping and venting carrying chemical waste.
40		811.6 Chemical Vent.	Keep as shown in 2024 UPC.	**811.6 Chemical Vent**. No chemical vent shall intersect vents for other services.
41		811.7 Discharge.	Keep as shown in 2024 UPC.	**811.7 Discharge**. Chemical wastes shall be discharged in a manner approved by the Authority Having Jurisdiction.
42		811.8 Diluted Chemicals.	Keep as shown in 2024 UPC.	**811.8 Diluted Chemicals.** The provisions of this section about materials and methods of construction shall not apply to installations such as photographic or x-ray darkrooms or research or control laboratories where minor amounts of adequately diluted chemicals are discharged.
43		**812.0 Clear Water Wastes.**	Keep as shown in 2024 UPC.	**812.0 Clear Water Wastes.**
44		812.1 General.	Keep as shown in 2024 UPC.	**812.1 General**. Water lifts, expansion tanks, cooling jackets, sprinkler systems, drip or overflow pans, or similar devices that discharge clear wastewater into the building drainage system shall discharge through an indirect waste.
45			Keep as shown in 2024 UPC.	**813.0 Swimming Pools.**
46			Keep as shown in 2024 UPC.	**814.0 Condensate Waste and Control.**
47		814.2 Condensate Control.	Keep as shown in 2024 UPC.	**814.2 Condensate Control.** Where any equipment or appliance is installed in a space where damage is capable of resulting from condensate overflow, a drain line shall be provided and shall be drained in accordance with Section 814.1.An additional protection method for condensate overflow shall be provided in accordance with one of the following:

Line #	Rules affected	Brief Title	Proposal and Committee recommendation	2024 UPC
48			Keep as shown in 2024 UPC.	(1) A water level detecting device that will shut off the equipment or appliance in the event the primary drain is blocked. Such detecting device shall be in accordance with the manufacturer's installation instructions.
49			Keep as shown in 2024 UPC.	(2) An additional watertight pan of corrosion-resistant material, with a separate drain line, installed beneath the cooling coil, unit, or the appliance to catch the overflow condensate due to a clogged primary condensate drain.
50			Keep as shown in 2024 UPC.	(3) An additional separate drain line at a level that is higher than the primary drain line connection of the drain pan.
51			Keep as shown in 2024 UPC.	(4) An additional watertight pan of corrosion-resistant material with a water level detection device installed beneath the cooling coil, unit, or the appliance to catch the overflow condensate due to a clogged primary condensate drain and to shut off the equipment.
52			Keep as shown in 2024 UPC.	The additional pan or the additional drain line connection shall be provided with a drainpipe of not less than 3⁄4 of an inch (20 mm) nominal pipe size, discharging at a point that is readily observed.
53		814.2.1 Protection of Appurtenances	Keep as shown in 2024 UPC.	**814.2.1 Protection of Appurtenances**. Where insulation or appurtenances are installed where damage is capable of resulting from a condensate drain pan overfill, such installations shall occur above the rim of the drain pan with supports. Where the supports are in contact with the condensate waste, the supports shall be of approved corrosion-resistant material.
54		814.6 Condensate Waste from Air-Conditioning Coils.	Keep as shown in 2024 UPC.	**814.6 Condensate Waste from Air-Conditioning Coils.** Where the condensate waste from air-conditioning coils discharges by direct connection to a lavatory tailpiece or to an approved accessible inlet on a bathtub overflow, the connection shall be located in the area controlled by the same person controlling the air-conditioned space.

Ad Hoc Code Review and Rulemaking Committ Chapter 8 (Kee				
Line #	**Rules affected**	**Brief Title**	**Proposal and Committee recommendation**	**2024 UPC**
55		814.7 Plastic Fittings.	Keep as shown in 2024 UPC.	**814.7 Plastic Fittings.** Female plastic screwed fittings shall be used with male plastic fittings and plastic threads.

ee 2024 UPC Recommendations to the Board
ep 2024 UPC)

2020 MPC 4714		Date of review by committee	Plumbing Board action/comments	(A)accept (R)eject (M)odify
801.0 General.	**TRUE**	6.25.2024		
801.1 Applicability. This chapter shall govern the materials, design, and installation of indirect waste piping, receptors, and connections; and provisions for discharge and disposal of condensate wastes, chemical wastes, industrial wastes, and clear water wastes.	**TRUE**	6.25.2024		
801.2 Air Gap or Air Break Required. Indirect waste piping shall discharge into the building drainage system through an air gap or air break as set forth in this code. Where a drainage air gap is required by this code, the minimum vertical distance as measured from the lowest point of the indirect waste pipe or the fixture outlet to the flood-level rim of the receptor shall be not less than 1 inch (25.4 mm).	**TRUE**	6.25.2024		
801.3 Food and Beverage Handling Establishments. Establishments engaged in the storage, preparation, selling, serving, processing, or other handling of food and beverage involving the following equipment that requires drainage shall provide indirect waste piping for refrigerators, refrigeration coils, freezers, walk-in coolers, iceboxes, ice-making machines, steam tables, egg boilers, coffee urns and brewers, hot-and-cold drink dispensers, and similar equipment.	**TRUE**	6.25.2024		
801.3.1 Size of Indirect Waste Pipes. Except for refrigeration coils and ice-making machines, the size of the indirect waste pipe shall be not smaller than the drain on the unit, but shall be not smaller than 1 inch (25 mm), and the maximum developed length shall not exceed 15 feet (4572 mm). Indirect waste pipe for ice-making machines shall be not less than the drain on the unit and in no case less than 3⁄4 of an inch (20 mm).	**TRUE**	6.25.2024		

ee 2024 UPC Recommendations to the Board
p 2024 UPC)

2020 MPC 4714		Date of review by committee	Plumbing Board action/comments	(A)accept (R)eject (M)odify
801.5 Connections from Water Distribution System. Indirect waste connections shall be provided for drains, overflows, or relief pipes from potable water pressure tanks, water heaters, boilers, and similar equipment that is connected to the potable water distribution system. Such indirect waste connections shall be made using a water-distribution air gap constructed in accordance with Table 603.3.1.	**TRUE**	6.25.2024		
801.6 Sterilizers. Lines, devices, or apparatus such as stills, sterilizers, and similar equipment requiring waste connections and used for sterile materials shall be indirectly connected using an air gap. Each such indirect waste pipe shall be separately piped to the receptor and shall not exceed 15 feet (4572 mm). Such receptors shall be located in the same room.	**TRUE**	6.25.2024		
801.7 Drip or Drainage Outlets. Appliances, devices, or apparatus not regularly classified as plumbing fixtures, but which have a drip or drainage outlets, shall be permitted to be drained by indirect waste pipes discharging into an open receptor through either an air gap or air break (see Section 801.3.1).	**TRUE**	6.25.2024		
802.0 Approvals.	**TRUE**	6.25.2024		
802.1 General. No plumbing fixtures served by indirect waste pipes or receiving discharge therefrom shall be installed until first approved by the Authority Having Jurisdiction.	**TRUE**	6.25.2024		
803.0 Indirect Waste Piping.	**TRUE**	6.25.2024		
803.1 Materials. Pipe, tube, and fittings conveying indirect waste shall be of such materials and design as to perform their intended function to the satisfaction of the Authority Having Jurisdiction.	**TRUE**	6.25.2024		

ee 2024 UPC Recommendations to the Board
ep 2024 UPC)

2020 MPC 4714		Date of review by committee	Plumbing Board action/comments	(A)accept (R)eject (M)odify
803.2 Copper and Copper Alloys. Joints and connections in copper and copper alloy pipe and tube shall be installed in accordance with Section 705.3.	**TRUE**	6.25.2024		
803.3 Pipe Size and Length. Except as hereinafter provided, the size of indirect waste piping shall be in accordance with other sections of this code applicable to drainage and vent piping. No vent from indirect waste piping shall combine with a sewer-connected vent, but shall extend separately to the outside air. Indirect waste pipes exceeding 5 feet (1524mm), but less than 15 feet (4572 mm) in length shall be directly trapped, but such traps need not be vented. Indirect waste pipes less than 15 feet (4572 mm) in length shall be not less than the diameter of the drain outlet or tailpiece of the fixture, appliance, or equipment served, and in no case less than 1⁄2 of an inch (15 mm). Angles and changes of direction in such indirect waste pipes shall be provided with cleanouts to permit flushing and cleaning.	**FALSE**	6.25.2024		
804.0 Indirect Waste Receptors.	**TRUE**	6.25.2024		

ee 2024 UPC Recommendations to the Board
ep 2024 UPC)

2020 MPC 4714		Date of review by committee	Plumbing Board action/comments	(A)accept (R)eject (M)odify
804.1 Standpipe Receptors. Plumbing fixtures or other receptors receiving the discharge of indirect waste pipes shall be approved for the use proposed and shall be of such shape and capacity as to prevent splashing or flooding and shall be located where they are readily accessible for inspection and cleaning. No standpipe receptor for a clothes washer shall extend more than 30 inches (762 mm), or not less than 18 inches (457 mm) above its trap. No trap for a clothes washer standpipe receptor shall be installed below the floor, but shall be roughed in not less than 6 inches (152 mm) and not more than 18 inches (457 mm) above the floor. No indirect waste receptor shall be installed in a toilet room, closet, cupboard, or storeroom, or in a portion of a building not in general use by the occupants thereof; except standpipes for clothes washers shall be permitted to be installed in toilet and bathroom areas where the clothes washer is installed in the same room.	**FALSE**	6.25.2024		
805.0 Pressure Drainage Connections.	**TRUE**	6.25.2024		
805.1 General. Indirect waste connections shall be provided for drains, overflows, or relief vents from the water supply system, and no piping or equipment carrying wastes or producing wastes or other discharges under pressure shall be directly connected to a part of the drainage system. The preceding shall not apply to an approved sump pump or to an approved pressure-wasting plumbing fixture or device where the Authority Having Jurisdiction has been satisfied that the drainage system is adequately sized to accommodate the anticipated discharge thereof.	**TRUE**	6.25.2024		
806.0 Sterile Equipment.	**TRUE**	6.25.2024		
806.1 General. Appliances, devices, or apparatus such as stills, sterilizers, and similar equipment requiring water and waste and used for sterile materials shall be drained through an air gap.	**TRUE**	6.25.2024		

ee 2024 UPC Recommendations to the Board
p 2024 UPC)

2020 MPC 4714		Date of review by committee	Plumbing Board action/comments	(A)accept (R)eject (M)odify
807.0 Appliances.	**TRUE**	6.25.2024		
807.1 Non-Classed Apparatus. Commercial dishwashing machines, silverware washing machines, and other appliances, devices, equipment, or other apparatus not regularly classed as plumbing fixtures, which are equipped with pumps, drips, or drainage outlets, shall be permitted to be drained by indirect waste pipes discharging into an approved type of open receptor.	**FALSE**	6.25.2024		
807.2 Undiluted Condensate Waste. Where undiluted condensate waste from a fuel-burning condensing appliances discharged into the drainage system, the material in the drainage system shall be cast-iron, galvanized iron, plastic, or other materials approved for this use.	**FALSE**	6.25.2024		
Exceptions:(1) Where the above condensate is discharged to an exposed fixture tailpiece and trap, such tailpiece and trap shall be permitted to be a copper alloy.	**TRUE**	6.25.2024		
(2) Materials approved in Section 701.0 shall be permitted to be used where data is provided that the condensate waste is adequately diluted.	**TRUE**	6.25.2024		
808.0 Cooling Water.	**TRUE**	6.25.2024		
808.1 General. Where permitted by the Authority Having Jurisdiction, clean running water used exclusively as a cooling medium in an appliance, device, or apparatus shall be permitted to discharge into the drainage system through the inlet side of a fixture trap in the event that a suitable fixture is not available to receive such discharge. Such trap connection shall be by means of a pipe connected to the inlet side of an approved fixture trap, the upper end terminating in a funnel shaped receptacle set adjacent, and not less than 6 inches (152mm) above the overflow rim of the fixture.	**TRUE**	6.25.2024		

ee 2024 UPC Recommendations to the Board
p 2024 UPC)

2020 MPC 4714		Date of review by committee	Plumbing Board action/comments	(A)accept (R)eject (M)odify
809.0 Drinking Fountains.	**TRUE**	6.25.2024		
809.1 General. Drinking fountains shall be permitted to be installed with indirect wastes.	**FALSE**	6.25.2024		
810.0 Steam and Hot Water Drainage Condensers and Sumps.	**TRUE**	6.25.2024		
810.2 Sumps, Condensers, and Intercepting Tanks. Sumps, condensers, or intercepting tanks that are constructed of concrete shall have walls and bottom, not less than 4 inches(102 mm) in thickness, and the inside shall be cement plastered not less than 1⁄2 of an inch (12.7 mm) in thickness. Condensers constructed of metal shall be not less than No. 12 Substandard gauge (0.109 inch) (2.77 mm), and such metal condensers shall be protected from external corrosion by an approved bituminous coating.	**FALSE**	6.25.2024		
810.3 Cleaning. Sumps and condensers shall be provided with suitable means of access for cleaning and shall contain a volume of not less than twice the volume of water removed from the boiler or boilers connected to it where the normal water level of such boiler or boilers is reduced not less than 4 inches (102 mm).	**TRUE**	6.25.2024		
810.4 Strainers. An indirect waste interceptor is receiving discharge-containing particles that would clog the receptor drain shall have a readily removable beehive strainer.	**TRUE**	6.25.2024		
811.0 Chemical Wastes.	**TRUE**	6.25.2024		

ee 2024 UPC Recommendations to the Board
ep 2024 UPC)

2020 MPC 4714		Date of review by committee	Plumbing Board action/comments	(A)accept (R)eject (M)odify
811.1 Pretreatment. Chemical or liquid industrial wastes that are likely to damage or increase maintenance costs on the sanitary sewer system, detrimentally affect sewage treatment or contaminate surface or subsurface waters shall be pretreated to render them innocuous before discharge into a drainage system. Detailed construction documents of the pretreatment facilities shall be required by the Authority Having Jurisdiction. Piping conveying industrial, chemical, or process wastes from their point of origin to sewer-connected pretreatment facilities shall be of such material and design as to adequately perform its intended function to the satisfaction of the Authority Having Jurisdiction. Drainage discharge piping from pretreatment facilities or interceptors shall be in accordance with standard drainage installation procedures. Copper or copper alloy tube shall not be used for chemical or industrial wastes as defined in this section.	**TRUE**	6.25.2024		
811.2 Waste and Vent Pipes. Each waste pipe receiving or intended to receive the discharge of a fixture into which acid or corrosive chemical is placed, and each vent pipe connected thereto, shall be constructed of chlorinated polyvinyl chloride(CPVC), polypropylene (PP), polyvinylidene fluoride(PVDF), chemical-resistant glass, high-silicon iron pipe, or lead pipe with a wall thickness of not less than 1⁄8 of an inch(3.2 mm); an approved type of ceramic glazed or unglazed vitrified clay; or other approved corrosion-resistant materials.CPVC pipe and fittings shall comply with ASTM F2618.PP pipe and fittings shall comply with ASTM F1412 or CSAB181.3. PVDF pipe and fittings shall comply with ASTMF1673 or CSA B181.3. Chemical-resistant glass pipe and fittings shall comply with ASTM C1053. High-silicon iron pipe and fittings shall comply with ASTM A861.	**TRUE**	6.25.2024		
811.3 Joining Materials. Joining materials shall be of approved type and quality.	**TRUE**	6.25.2024		

ee 2024 UPC Recommendations to the Board
p 2024 UPC)

2020 MPC 4714		Date of review by committee	Plumbing Board action/comments	(A)accept (R)eject (M)odify
811.4 Access. Where practicable, the piping shall be readily accessible and installed with the maximum of clearance from other services.	**TRUE**	6.25.2024		
811.5 Permanent Record. The owner shall make and keep a permanent record of the location of piping and venting carrying chemical waste.	**TRUE**	6.25.2024		
811.6 Chemical Vent. No chemical vent shall intersect vents for other services.	**TRUE**	6.25.2024		
811.7 Discharge. Chemical wastes shall be discharged in a manner approved by the Authority Having Jurisdiction.	**TRUE**	6.25.2024		
811.8 Diluted Chemicals. The provisions of this section about materials and methods of construction shall not apply to installations such as photographic or x-ray darkrooms or research or control laboratories where minor amounts of adequately diluted chemicals are discharged.	**TRUE**	6.25.2024		
812.0 Clear Water Wastes.	**TRUE**	6.25.2024		
812.1 General. Water lifts, expansion tanks, cooling jackets, sprinkler systems, drip or overflow pans, or similar devices that discharge clear wastewater into the building drainage system shall discharge through an indirect waste.	**TRUE**	6.25.2024		
813.0 Swimming Pools.	**TRUE**	6.25.2024		
814.0 Condensate Waste and Control.	**TRUE**	6.25.2024		
814.2 Condensate Control. Where an equipment or appliances installed in a space where damage is capable of resulting from condensate overflow, other than damage to replaceable lay-in ceiling tiles, a drain line shall be provided and shall be drained in accordance with Section 814.1. An additional protection method for condensate overflow shall be provided in accordance with one of the following:	**FALSE**	6.25.2024		

ee 2024 UPC Recommendations to the Board
ep 2024 UPC)

2020 MPC 4714		Date of review by committee	Plumbing Board action/comments	(A)accept (R)eject (M)odify
(1) A water level detecting device that will shut off the equipment or appliance in the event the primary drain is blocked.	**FALSE**	6.25.2024		
(2) An additional watertight pan of corrosion-resistant material, with a separate drain line, installed beneath the cooling coil, unit, or the appliance to catch the overflow condensate due to a clogged primary condensate drain.	**TRUE**	6.25.2024		
(3) An additional drain line at a level that is higher than the primary drain line connection of the drain pan.	**FALSE**	6.25.2024		
(4) An additional watertight pan of corrosion-resistant material with a water level detection device installed beneath the cooling coil, unit, or the appliance to catch the overflow condensate due to a clogged primary condensate drain and to shut off the equipment.	**TRUE**	6.25.2024		
The additional pan or the additional drain line connection shall be provided with a drain pipe of not less than 3⁄4 of an inch (20 mm) nominal pipe size, discharging at a point that is readily observed.	**FALSE**	6.25.2024		
814.2.1 Protection of Appurtenances. Where insulation or appurtenances are installed where damage is capable of resulting from a condensate drain pan overfill, such installations shall occur above the rim of the drain pan with supports. Where the supports are in contact with the condensate waste, the supports shall be of approved corrosion-resistant material.	**TRUE**	6.25.2024		
814.6 Condensate Waste From Air-Conditioning Coils. Where the condensate waste from air-conditioning coils discharges by direct connection to a lavatory tailpiece or to an approved accessible inlet on a bathtub overflow, the connection shall be located in the area controlled by the same person controlling the air-conditioned space.	**FALSE**	6.25.2024		

ee 2024 UPC Recommendations to the Board
p 2024 UPC)

2020 MPC 4714		Date of review by committee	Plumbing Board action/comments	(A)accept (R)eject (M)odify
814.7 Plastic Fittings. Female plastic screwed fittings shall be used with male plastic fittings and plastic threads.	**TRUE**	6.25.2024		

Ad Hoc Code Review and Rulemaking Committee 2024 UPC Recommendations to the Board

Chapter 9

Line #	Rules affected	RFA No.	Brief Title	Proposal and Committee recommendation	Date of Committee review	Committee recommendation continued	Plumbing Board action/comments	(A)ccept (R)eject (M)odify
149	902.2		Bars, Soda Fountains and Counter.	Leave as amended in the 2020 MPC.	8/7/2024	2020 MPC Reads: Deleted in its entirety.		
150	903.1	PB0194	Applicable Standards	RFA PB0194 Discussed 3/5/2025 accepted as revised.	8/7/2024	903.1 Applicable Standards (2) ABS and PVC DWV piping installations shall be installed in accordance with the applicable standards referenced in Table 701.2. Plastic piping and tubing installed in plenums shall comply with Chapter 6 of the Minnesota Mechanical and Fuel Gas Code.		
151	905.3		Vent Pipe Rise	Leave as amended in the 2020 MPC.	8/7/2024			
152	906.1		Roof Termination	Leave as amended in the 2020 MPC.	8/7/2024			
153	906.3		Use of Roof	Leave as amended in the 2020 MPC.	8/7/2024			
154	906.7		Frost or Snow Closure	Leave as amended in the 2020 MPC.	8/7/2024			
155	909.1		General	Table until an RFA is received from DLI looking at how to incorporate language to include the illustration of MDH 132 (O)(3) Island Venting diagram – see Attachment A.	8/7/2024	The proposed language below was discussed but not approved/finalized. 909.1 General. Traps for island sinks and similar equipment shall be roughed in above the floor and shall be permitted to be vented by extending the vent as high as possible, but not less than the drainboard height and then returning it downward and connecting it to the horizontal sink drain ~~immediately~~ downstream from the vertical fixture drain. The return vent shall be connected to the horizontal drain through an approved drainage an approved drainage ~~wye branch~~ fitting and shall, in addition, be provided with a foot vent taken off the vertical fixture vent by means of an approved drainage fitting approved drainage fitting ~~wye branch immediately~~ below the floor and extending to the nearest partition and then through the roof to the open air, or shall be permitted to be connected to other vents at a point not less than 6 inches (152 mm) above the flood-level rim of the fixtures served. Drainage fittings shall be used on the vent below the floor level, and a slope of not less than 1⁄4 inch per foot (20.8 mm/m) back to the drain shall be maintained. The return bend used under the drainboard shall be a one-piece fitting or an assembly of a 45 degree (0.79 rad), a 90 degree (1.57 rad), and a 45 degree (0.79 rad) elbow in the order named. Pipe sizing shall be as elsewhere required in this code. The island sink drain, upstream of the returned vent, shall serve no other fixtures. An accessible cleanout shall be installed in the vertical portion of the foot vent.		

11/24/2025

Ad Hoc Code Review and Rulemaking Committee 2
Chapter 9 (Keep 2

Line #	Rules affected	Brief Title	Proposal and Committee recommendation	2024 UPC
1		**4714.205**	Circuit Venting	
2				**901.0 General.**
3		**901.1 Applicability.**	Keep as shown in 2024 UPC.	**901.1 Applicability.** This chapter shall govern the materials, design, and installation of plumbing vent systems.
4		**901.2 Vents Required**	Keep as shown in 2024 UPC.	**901.2 Vents Required.** Each plumbing fixture trap, except as otherwise provided in this code, shall be protected against siphonage and backpressure, and air circulation shall be ensured throughout all parts of the drainage system by means of vent pipes installed in accordance with the requirements of this chapter and as otherwise required by this code.
5		**901.3 Trap Seal Protection.**	Keep as shown in 2024 UPC.	**901.3 Trap Seal Protection**. The vent system shall be designed to prevent a trap seal from being exposed to a pressure differential that exceeds 1 inch water column (0.24 kPa)on the outlet side of the trap.
6		**902.0 Vents Not Required.**		**902.0 Vents Not Required.**
7		**902.1 Interceptor.**	Keep as shown in 2024 UPC.	902.1 Interceptor. Vent piping shall be permitted to be omitted on an interceptor where such interceptor acts as a primary settling tank and discharges through a horizontal indirect waste pipe into a secondary interceptor. The second interceptor shall be properly trapped and vented.
8		**903.0 Materials.**		903.0 Materials.
9		**903.2 Use of Copper or Copper Alloy Tubing.**	Keep as shown in 2024 UPC.	903.2 Use of Copper or Copper Alloy Tubing. Copper or copper alloy tube for underground drainage and vent piping shall have a weight of not less than that of copper or copper alloy drainage tube type DWV.
10		**903.2.1 Aboveground.**	Keep as shown in 2024 UPC.	903.2.1 Aboveground. Copper or copper alloy tube for aboveground drainage and vent piping shall have a weight of not less than that of copper or copper alloy drainage tube type DWV.

Ad Hoc Code Review and Rulemaking Committee 2
Chapter 9 (Keep 2

Line #	Rules affected	Brief Title	Proposal and Committee recommendation	2024 UPC
11		**903.2.2 Prohibited Use.**	Keep as shown in 2024 UPC.	903.2.2 Prohibited Use. Copper or copper alloy tube shall not be used for chemical or industrial wastes as defined in Section 811.0.
12		**903.2.3 Marking.**	Keep as shown in 2024 UPC.	903.2.3 Marking. Copper or copper alloy tubing, in addition to the required incised marking, shall be marked in accordance with either ASTM B306 or ASTM B88.The colors shall be Type K, green; Type L, blue; Type M, red; and Type DWV, yellow.
13		**903.3 Changes in Direction.**	Keep as shown in 2024 UPC.	903.3 Changes in Direction. Changes in the direction of vent piping shall be made by the appropriate use of approved fittings, and no such pipe shall be strained or bent. Burred ends shall be reamed to the full bore of the pipe.
14		**904.0 Size of Vents.**		904.0 Size of Vents.
15		**904.1 Size.**	Keep as shown in 2024 UPC.	904.1 Size. The size of vent piping shall be determined from its length and the total number of fixture units connected thereto, in accordance with Table 703.2. The diameter of an individual vent shall be not less than 11⁄4 inches (32 mm) nor less than one-half the diameter of the drain to which it is connected. In addition, the drainage piping of each building and each connection to a public sewer or a private sewage disposal system shall be vented by means of one or more vent pipes, the aggregate cross-sectional area of which shall be not less than that of the largest required building sewer as determined from Table 703.2. Vent pipes from fixtures located upstream from pumps, ejectors, backwater valves, or other devices that obstruct the free flow of air and other gases between the building sewer and the outside atmosphere shall not be used for meeting the cross-sectional area venting requirements of this section.

Line #	Rules affected	Brief Title	Proposal and Committee recommendation	2024 UPC
16			Keep as shown in 2024 UPC.	Exception: Where connected to a common building sewer, the drainage piping of two or more buildings located on the same lot and under one ownership shall be permitted to be vented by means of piping sized in accordance with Table703.2, provided the aggregate cross-sectional area of vents is not less than that of the largest required common building sewer.
17		**904.2 Length.**	Keep as shown in 2024 UPC.	904.2 Length. Not more than one-third of the total permitted length, in accordance with Table 703.2, of a minimum sized vent shall be installed in a horizontal position. Where a minimum-sized vent is increased one pipe size for its entire length, the maximum length limitation shall not apply.
18		**905.0 Vent Pipe Grades and Connections**		905.0 Vent Pipe Grades and Connections.
19		**905.1 Grade.**	Keep as shown in 2024 UPC.	905.1 Grade. Vent and branch vent pipes shall be free from drops or sags, and each such vent shall be level or shall be so graded and connected as to drip back by gravity to the drainage pipe it serves.
20		**905.2 Horizontal Drainage Pipe.**	Keep as shown in 2024 UPC.	905.2 Horizontal Drainage Pipe. Where vents connect toa horizontal drainage pipe, each vent pipe shall have its invert taken off above the drainage centerline of such pipe downstream of the trap being served.
21		**905.4 Roof Termination.**	Keep as shown in 2024 UPC.	905.4 Roof Termination. Vent pipes shall extend undiminished in size above the roof, or shall be reconnected with soil or waste vent of the proper size.
22		**905.5 Location of Opening.**	Keep as shown in 2024 UPC.	905.5 Location of Opening. The vent pipe opening from soil or waste pipe shall not be below the weir of the trap. Exception: Water closets and similar fixtures.
23		**905.6 Common Vertical Pipe.**	Keep as shown in 2024 UPC.	905.6 Common Vertical Pipe. Two fixtures shall be permitted to be served by a common vertical pipe where each such fixture wastes separately into an approved double fitting having inlet openings at the same level.
24		**906.0 Vent Termination.**		906.0 Vent Termination.

Ad Hoc Code Review and Rulemaking Committee 2
Chapter 9 (Keep 2

Line #	Rules affected	Brief Title	Proposal and Committee recommendation	2024 UPC
25		**906.2 Clearance.**	Keep as shown in 2024 UPC.	906.2 Clearance. Each vent shall terminate not less than10 feet (3048 mm) from, or not less than 3 feet (914 mm)above, an openable window, door, opening, air intake, or vent shaft, or not less than 3 feet (914 mm) in every direction from lot line, alley and street excepted.
26		**906.4 Outdoor Installations.**	Keep as shown in 2024 UPC.	906.4 Outdoor Installations. Vent pipes for outdoor installations shall extend not less than 10 feet (3048 mm)above the surrounding ground and shall be securely supported.
27		**906.5 Joints.**	Keep as shown in 2024 UPC.	906.5 Joints. Joints at the roof around vent pipes shall beamed watertight by the use of approved flashings or flashing material.
28		**906.6 Lead**	Keep as shown in 2024 UPC.	906.6 Lead. (See Chapter 17) Sheet lead shall comply with the following:
29			Keep as shown in 2024 UPC.	(1) For safe pans – not less than 4 pounds per square foot(lb/ft2) (19 kg/m2) or 1⁄16 of an inch (1.6 mm) thick.
30			Keep as shown in 2024 UPC.	(2) For flashings or vent terminals – not less than 3 lb/ft2 (15kg/m2) or 0.0472 of an inch (1.2 mm) thick.
31			Keep as shown in 2024 UPC.	(3) Lead bends and lead traps shall be not less than 1⁄8 of an inch (3.2 mm) in wall thickness.
32		**907.0 Vent Stacks and Relief Vents.**		907.0 Vent Stacks and Relief Vents.
33		**907.1 Drainage Stack.**	Keep as shown in 2024 UPC.	907.1 Drainage Stack. Each drainage stack that extends 10 or more stories shall be served by a parallel vent stack, which shall extend undiminished in size from its upper terminal and connect to the drainage stack at or immediately below the lowest fixture drain. Each such vent stack shall also be connected to the drainage stack at each fifth floor, counting down from the uppermost fixture drain, using a yoke vent, the size of which shall be not less in diameter than either the drainage or the vent stack, whichever is smaller.

Ad Hoc Code Review and Rulemaking Committee 2
Chapter 9 (Keep 2

Line #	Rules affected	Brief Title	Proposal and Committee recommendation	2024 UPC
34		**907.2 Yoke Vent.**	Keep as shown in 2024 UPC.	907.2 Yoke Vent. The yoke vent connection to the vent stack shall be placed not less than 42 inches (1067 mm) above the floor level, and the yoke vent connection to the drainage stack shall be using a wye-branch fitting placed below the lowest drainage branch connection serving that floor.
35		**908.0 Wet Venting.**		908.0 Wet Venting.
36		**908.1 Vertical Wet Venting.**	Keep as shown in 2024 UPC.	908.1 Vertical Wet Venting. Wet venting is limited to vertical drainage piping receiving the discharge from the trap arm of one and two fixture unit fixtures that also serves as a vent not exceeding four fixtures. Wet-vented fixtures shall be within the same story; provided, further, that fixtures with a continuous vent discharging into a wet vent shall be within the same story as the wet-vented fixtures. No wet vent shall exceed 6 feet (1829 mm) in developed length.
37		**908.1.1 Size.**	Keep as shown in 2024 UPC.	908.1.1 Size. The vertical piping between two consecutive inlet levels shall be considered a wet-vented section. Each wet-vented section shall be not less than one pipe size exceeding the required minimum waste pipe size of the upper fixture or shall be one pipe size exceeding the required minimum pipe size for the sum of the fixture units served by such wet-vented section, whichever is larger, but in no case less than 2 inches (50mm) in diameter.
38		**908.1.2 Vent Connection**	Keep as shown in 2024 UPC.	908.1.2 Vent Connection. Common vent sizing shall be the sum of the fixture units served but, in no case, smaller than the minimum vent pipe size required for a fixture served, or by Section 904.0.
39		**908.2 Horizontal Wet Venting for a Bathroom Group.**	Keep as shown in 2024 UPC.	908.2 Horizontal Wet Venting for a Bathroom Group. A bathroom group located on the same floor level shall be permitted to be vented by a horizontal wet vent where all of the conditions of Section 908.2.1 through Section 908.2.5 are met.

Ad Hoc Code Review and Rulemaking Committee 2
Chapter 9 (Keep 2

Line #	Rules affected	Brief Title	Proposal and Committee recommendation	2024 UPC
40		**908.2.1 Vent Connection.**	Keep as shown in 2024 UPC.	908.2.1 Vent Connection. The dry vent connection tithe wet vent shall be an individual vent for the bidet, shower, or bathtub. One or two vented lavatory(s) shall be permitted to serve as a wet vent for a bathroom group. Only one wet-vented fixture drain or trap arm shall discharge upstream of the dry-vented fixture drain connection. Dry vent connections to the horizontal wet vent shall be in accordance with Section 905.2 and Section905.3.
41		**908.2.2 Size.**	Keep as shown in 2024 UPC.	908.2.2 Size. The wet vent shall be sized based on the fixture unit discharge into the wet vent. The wet vent shall be not less than 2 inches (50 mm) in diameter for 4drainage fixture units (dfu) or less, and not less than 3inches (80 mm) in diameter for 5 dfu or more. The dry vent shall be sized in accordance with Table 702.1 and Table 703.2 based on the total fixture units discharging into the wet vent.
42		**908.2.3 Trap Arm. The**	Keep as shown in 2024 UPC.	908.2.3 Trap Arm. The length of the trap arm shall not exceed the limits in Table 1002.2. The trap size shall be in accordance with Section 1003.3. The vent pipe opening from the horizontal wet vent, except for water closets and similar fixtures, shall not be below the weir of the trap.
43		**908.2.4 Water Closet.**	Keep as shown in 2024 UPC.	908.2.4 Water Closet. The water closet fixture drain or trap arm connection to the wet vent shall be downstream of fixture drain or trap arm connections to the horizontal wet vent.
44		**908.2.5 Additional Fixtures.**	Keep as shown in 2024 UPC.	908.2.5 Additional Fixtures. Additional fixtures shall discharge downstream of the wet vent system and be conventionally vented. Only the fixtures within the bathroom group shall connect to the wet-vented horizontal branch.
45		**909.0 Special Venting for Island Fixtures.**		909.0 Special Venting for Island Fixtures.
46				910.0 Combination Waste and Vent Systems.

Ad Hoc Code Review and Rulemaking Committee 2
Chapter 9 (Keep 2(

Line #	Rules affected	Brief Title	Proposal and Committee recommendation	2024 UPC
47		**910.1 Where Permitted.**	Keep as shown in 2024 UPC.	910.1 Where Permitted. Combination waste and vent systems shall be permitted where structural conditions preclude the installation of conventional systems as otherwise prescribed by this code.
48		**910.2 Approval.**	Keep as shown in 2024 UPC.	910.2 Approval. Construction documents for each combination waste and vent system shall first be approved by the Authority Having Jurisdiction before a portion of such system is installed.
49		**910.3 Vents.**	Keep as shown in 2024 UPC.	910.3 Vents. Each combination waste and vent system, as defined in Chapter 2, shall be provided with a vent or vents adequate to ensure free circulation of air. A branch exceeding15 feet (4572 mm) in length shall be separately vented in an approved manner. The area of a vent installed in a combination waste and vent system shall be not less than one-half the inside cross-sectional area of the drainpipe served. The vent connection shall be downstream of the uppermost fixture.
50		**910.4 Connections and Size.**	Keep as shown in 2024 UPC.	910.4 Connections and Size. Branches serving traps shall connect to the main line at an angle not exceeding 2 percent. Each waste pipe and each trap in such a system shall be not less than two pipe sizes exceeding the sizes required by Chapter 7 of this code, and not less than two pipe sizes exceeding a fixture tailpiece or connection.
51		**910.5 Vertical Waste Pipe.**	Keep as shown in 2024 UPC.	910.5 Vertical Waste Pipe. No vertical waste pipe shall be used in such a system, except the tailpiece or connection between the outlet of a plumbing fixture and the trap. Such tailpieces or connections shall be as short as possible, and in no case shall exceed 2 feet (610 mm).
52			Keep as shown in 2024 UPC.	Exception: Branch lines shall be permitted to have 45 degree(0.79 rad) vertical offsets.
53		**910.6 Cleanouts.**	Keep as shown in 2024 UPC.	910.6 Cleanouts. An accessible cleanout shall be installed in each vent for the combination waste and vent system. Cleanouts shall not be required on a wet-vented branch serving a single trap where the fixture tailpiece or connection is not less than 2 inches (50 mm) in diameter and provides ready access for cleaning through the trap.

Ad Hoc Code Review and Rulemaking Committee 2
Chapter 9 (Keep 2

Line #	Rules affected	Brief Title	Proposal and Committee recommendation	2024 UPC
54		**910.7 Fixtures.**	Keep as shown in 2024 UPC.	910.7 Fixtures. No water closet or urinal shall be installed on such a system. Other one, two, or three unit fixtures remotely located from the sanitary system and adjacent to a combination waste and vent system shall be permitted to be connected to such system in the conventional manner by means of waste and vent pipes of regular sizes, providing that the two pipe size increase required in Section 910.4 is based on the total fixture unit load connected to the system. See Appendix B of this code for explanatory notes on the design of combination waste and vent systems.
55				911.0 Circuit Venting.
56		**911.1 Circuit Vent Permitted.**	Keep as shown in 2024 UPC.	911.1 Circuit Vent Permitted. A maximum of eight floor outlet water closets, showers, bathtubs, or floor drains connected to a horizontal branch shall be permitted to be circuit vented. Each trap arm shall connect horizontally to the horizontal branch being circuit vented in accordance with Table1002.2. The horizontal branch shall be classified as a drain and a vent from the most downstream trap arm connection to the most upstream trap arm connection to the horizontal branch.
57				Exception: Back-outlet and wall-hung water closets shall be permitted to be circuit vented provided that no floor-outlet fixtures are connected to the same horizontal branch. Back outlet and wall-hung water closets shall connect horizontally to the horizontal circuit vented drain.
58		**911.2 Circuit Vent Size and Connection.**	Keep as shown in 2024 UPC.	911.2 Circuit Vent Size and Connection. The circuit vent size shall be in accordance with Table 703.2 according to the number of circuit vented fixtures connected to the horizontal branch but shall be not less than 2 inches (50 mm) in diameter. The vent shall connect to the horizontal branch on the vertical between the two most upstream trap arms. The circuit vent pipe shall not receive the discharge of soil or waste.

Ad Hoc Code Review and Rulemaking Committee 2
Chapter 9 (Keep 2

Line #	Rules affected	Brief Title	Proposal and Committee recommendation	2024 UPC
59		**911.2.1 Multiple Circuit Vents.**	Keep as shown in 2024 UPC.	911.2.1 Multiple Circuit Vents. When multiple circuit vents are interconnected according to Section 911.4.1,each individual circuit vent shall be sized according to Section 911.2. The vent pipe connecting each circuit vent shall be sized according to Table 703.2.
60		**911.3 Relief Vent.**	Keep as shown in 2024 UPC.	911.3 Relief Vent. A 2 inch (50 mm) relief vent shall be provided for circuit-vented horizontal branches receiving the discharge of four or more water closets when connecting to a drainage stack that receives the discharge of soil or waste from upper horizontal branches.
61		**911.3.1 Connection and Installation**	Keep as shown in 2024 UPC.	911.3.1 Connection and Installation. The relief vent shall connect to the horizontal branch between the stack and the most downstream trap arm of the circuit vent. The relief vent shall be installed on the vertical to the horizontal branch.
62		**911.3.2 Fixture Drain.**	Keep as shown in 2024 UPC.	911.3.2 Fixture Drain. The relief vent is permitted to serve as a fixture drain. Fixtures discharging to a relief vent shall be one or two fixture unit fixtures but shall not exceed a total of 4 fixture units.
63		**911.4 Slope and Size of Horizontal Branch.**	Keep as shown in 2024 UPC.	911.4 Slope and Size of Horizontal Branch. The vented section of the horizontal branch shall be uniformly sloped and not more than 1 inch per foot (83.3 mm/m). The entire length of the vented section of the horizontal branch shall be sized for the total drainage discharge to the branch according totable 703.2.
64		**911.4.1 Multiple Circuit-Vented Branches.**	Keep as shown in 2024 UPC.	911.4.1 Multiple Circuit-Vented Branches. Circuit vented horizontal branches are permitted to be connected together. Each group of a maximum of eight fixtures shall be considered a separate circuit vent and shall be in accordance with Section 911.4.1.1 and Section 911.4.1.2.
65		**911.4.1.2 Size of Continuous Horizontal Branches.**	Keep as shown in 2024 UPC.	911.4.1.2 Size of Continuous Horizontal Branches. Two or more circuit vented systems continuous on the same horizontal branch shall be uniformly sized for the total discharge into the branch.

Ad Hoc Code Review and Rulemaking Committee 2
Chapter 9 (Keep 2

Line #	Rules affected	Brief Title	Proposal and Committee recommendation	2024 UPC
66		**911.5 Additional Fixtures.**	Keep as shown in 2024 UPC.	911.5 Additional Fixtures. Fixtures, other than the circuit vented fixtures, are permitted to discharge to the horizontal branch drain. Such fixtures shall be located on the same floor as the circuit-vented fixtures and shall be either individually or common vented.
67		**912.0 Engineered Vent System.**		912.0 Engineered Vent System.
68		**912.1 General.**	Keep as shown in 2024 UPC.	912.1 General. The design and sizing of a vent system shall be permitted to be determined by accepted engineering practices. The system shall be designed by a registered design professional and approved in accordance with Section 301.5.
69		**912.2 Minimum Requirements.**	Keep as shown in 2024 UPC.	912.2 Minimum Requirements. An engineered vent system shall provide protection of the trap seal in accordance with Section 901.3.

024 UPC Recommendations to the Board
024 UPC)

2020 MPC 4714	Date of Committee review	Plumbing Board Action/ comments	(A)ccept (R)eject (M)odify
	8/7/2024		
901.0 General.	8/7/2024		
901.1 Applicability. This chapter shall govern the materials, design, and installation of plumbing vent systems.	8/7/2024		
901.2 Vents Required. Each plumbing fixture trap, except as otherwise provided in this code, shall be protected against siphonage and backpressure, and air circulation shall be ensured throughout all parts of the drainage system by means of vent pipes installed in accordance with the requirements of this chapter and as otherwise required by this code.	8/7/2024		
901.3 Trap Seal Protection. The vent system shall be designed to prevent a trap seal from being exposed to a pressure differential that exceeds 1 inch water column (0.24 kPa)on the outlet side of the trap.	8/7/2024		
902.0 Vents Not Required.	8/7/2024		
902.1 Interceptor. Vent piping shall be permitted to be omitted on an interceptor where such interceptor acts as a primary settling tank and discharges through a horizontal indirect waste pipe into a secondary interceptor. The second interceptor shall be properly trapped and vented.	8/7/2024		
903.0 Materials.	8/7/2024		
903.2 Use of Copper or Copper Alloy Tubing. Copper or copper alloy tube for underground drainage and vent piping shall have a weight of not less than that of copper or copper alloy drainage tube type DWV.	8/7/2024		
903.2.1 Aboveground. Copper or copper alloy tube for aboveground drainage and vent piping shall have a weight of not less than that of copper or copper alloy drainage tube type DWV.	8/7/2024		

024 UPC Recommendations to the Board
024 UPC)

2020 MPC 4714	Date of Committee review	Plumbing Board Action/ comments	(A)ccept (R)eject (M)odify
903.2.2 Prohibited Use. Copper or copper alloy tube shall not be used for chemical or industrial wastes as defined in Section 811.0.	8/7/2024		
903.2.3 Marking. Copper or copper alloy tubing, in addition to the required incised marking, shall be marked in accordance with either ASTM B306 or ASTM B88.The colors shall be Type K, green; Type L, blue; Type M, red; and Type DWV, yellow.	8/7/2024		
903.3 Changes in Direction. Changes in the direction of vent piping shall be made by the appropriate use of approved fittings, and no such pipe shall be strained or bent. Burred ends shall be reamed to the full bore of the pipe.	8/7/2024		
904.0 Size of Vents.	8/7/2024		
904.1 Size. The size of vent piping shall be determined from its length and the total number of fixture units connected thereto, in accordance with Table 703.2. The diameter of an individual vent shall be not less than 11⁄4 inches (32 mm) nor less than one-half the diameter of the drain to which it is connected. In addition, the drainage piping of each building and each connection to a public sewer or a private sewage disposal system shall be vented by means of one or more vent pipes, the aggregate cross-sectional area of which shall be not less than that of the largest required building sewer as determined from Table 703.2. Vent pipes from fixtures located upstream from pumps, ejectors, backwater valves, or other devices that obstruct the free flow of air and other gases between the building sewer and the outside atmosphere shall not be used for meeting the cross-sectional area venting requirements of this section.	8/7/2024		

024 UPC Recommendations to the Board
024 UPC)

2020 MPC 4714	Date of Committee review	Plumbing Board Action/ comments	(A)ccept (R)eject (M)odify
Exception: Where connected to a common building sewer, the drainage piping of two or more buildings located on the same lot and under one ownership shall be permitted to be vented by means of piping sized in accordance with Table 703.2, provided the aggregate cross-sectional area of vents is not less than that of the largest required common building sewer.	8/7/2024		
904.2 Length. Not more than one-third of the total permitted length, in accordance with Table 703.2, of a minimum sized vent shall be installed in a horizontal position. Exception: Where a minimum-sized vent is increased one pipe size for its entire length, the maximum length limitation shall not apply.	8/7/2024		
905.0 Vent Pipe Grades and Connections.	8/7/2024		
905.1 Grade. Vent and branch vent pipes shall be free from drops or sags, and each such vent shall be level or shall be so graded and connected as to drip back by gravity to the drainage pipe it serves.	8/7/2024		
905.2 Horizontal Drainage Pipe. Where vents connect toa horizontal drainage pipe, each vent pipe shall have its invert taken off above the drainage centerline of such pipe downstream of the trap being served.	8/7/2024		
905.4 Roof Termination. Vent pipes shall extend undiminished in size above the roof, or shall be reconnected with soil or waste vent of the proper size.	8/7/2024		
905.5 Location of Opening. The vent pipe opening from soil or waste pipe, except for water closets and similar fixtures, shall not be below the weir of the trap.	8/7/2024		
905.6 Common Vertical Pipe. Two fixtures shall be permitted to be served by a common vertical pipe where each such fixture wastes separately into an approved double fitting having inlet openings at the same level.	8/7/2024		
906.0 Vent Termination.	8/7/2024		

024 UPC Recommendations to the Board
024 UPC)

2020 MPC 4714	Date of Committee review	Plumbing Board Action/ comments	(A)ccept (R)eject (M)odify
906.2 Clearance. Each vent shall terminate not less than10 feet (3048 mm) from, or not less than 3 feet (914 mm)above, an openable window, door, opening, air intake, or vent shaft, or not less than 3 feet (914 mm) in every direction from lot line, alley and street excepted.	8/7/2024		
906.4 Outdoor Installations. Vent pipes for outdoor installations shall extend not less than 10 feet (3048 mm)above the surrounding ground and shall be securely supported.	8/7/2024		
906.5 Joints. Joints at the roof around vent pipes shall beamed watertight by the use of approved flashings or flashing material.	8/7/2024		
906.6 Lead. (See Table 1701.1) Sheet lead shall comply with the following:	8/7/2024		
(1) For safe pans – not less than 4 pounds per square foot(lb/ft2) (19 kg/m2) or 1⁄16 of an inch (1.6 mm) thick	8/7/2024		
(2) For flashings or vent terminals – not less than 3 lb/ft2 (15kg/m2) or 0.0472 of an inch (1.2 mm) thick.	8/7/2024		
(3) Lead bends and lead traps shall be not less than 1⁄8 of an inch (3.2 mm) in wall thickness.	8/7/2024		
907.0 Vent Stacks and Relief Vents.	8/7/2024		
907.1 Drainage Stack. Each drainage stack that extends 10 or more stories shall be served by a parallel vent stack, which shall extend undiminished in size from its upper terminal and connect to the drainage stack at or immediately below the lowest fixture drain. Each such vent stack shall also be connected to the drainage stack at each fifth floor, counting down from the uppermost fixture drain, using awoke vent, the size of which shall be not less in diameter than either the drainage or the vent stack, whichever is smaller.	8/7/2024		

024 UPC Recommendations to the Board
024 UPC)

2020 MPC 4714	Date of Committee review	Plumbing Board Action/ comments	(A)ccept (R)eject (M)odify
907.2 Yoke Vent. The yoke vent connection to the vent stack shall be placed not less than 42 inches (1067 mm) above the floor level, and the yoke vent connection to the drainage stack shall be using a wye-branch fitting placed below the lowest drainage branch connection serving that floor.	8/7/2024		
908.0 Wet Venting.	8/7/2024		
908.1 Vertical Wet Venting. Wet venting is limited to vertical drainage piping receiving the discharge from the trap arm of one and two fixture unit fixtures that also serves as a vent not exceeding four fixtures. Wet-vented fixtures shall be within the same story; provided, further, that fixtures with a continuous vent discharging into a wet vent shall be within the same story as the wet-vented fixtures. No wet vent shall exceed 6 feet (1829 mm) in developed length.	8/7/2024		
908.1.1 Size. The vertical piping between two consecutive inlet levels shall be considered a wet-vented section. Each wet-vented section shall be not less than one pipe size exceeding the required minimum waste pipe size of the upper fixture or shall be one pipe size exceeding the required minimum pipe size for the sum of the fixture units served by such wet-vented section, whichever is larger, but in no case less than 2 inches (50mm) in diameter.	8/7/2024		
908.1.2 Vent Connection. Common vent sizing shall be the sum of the fixture units served but, in no case, smaller than the minimum vent pipe size required for a fixture served, or by Section 904.0.	8/7/2024		
908.2 Horizontal Wet Venting for a Bathroom Group. A bathroom group located on the same floor level shall be permitted to be vented by a horizontal wet vent where all of the conditions of Section 908.2.1 through Section 908.2.5are met.	8/7/2024		

024 UPC Recommendations to the Board
024 UPC)

2020 MPC 4714	Date of Committee review	Plumbing Board Action/ comments	(A)ccept (R)eject (M)odify
908.2.1 Vent Connection. The dry vent connection to the wet vent shall be an individual vent for the bidet, shower, or bathtub. One or two vented lavatory(s) shall be permitted to serve as a wet vent for a bathroom group. Only one wet-vented fixture drain or trap arm shall discharge upstream of the dry-vented fixture drain connection. Dry vent connections to the horizontal wet vent shall be in accordance with Section 905.2 and Section905.3.	8/7/2024		
908.2.2 Size. The wet vent shall be sized based on the fixture unit discharge into the wet vent. The wet vent shall be not less than 2 inches (50 mm) in diameter for 4drainage fixture units (dfu) or less, and not less than 3inches (80 mm) in diameter for 5 dfu or more. The dry vent shall be sized in accordance with Table 702.1 and Table 703.2 based on the total fixture units discharging into the wet vent.	8/7/2024		
908.2.3 Trap Arm. The length of the trap arm shall not exceed the limits in Table 1002.2. The trap size shall be in accordance with Section 1003.3. The vent pipe opening from the horizontal wet vent, except for water closets and similar fixtures, shall not be below the weir of the trap.	8/7/2024		
908.2.4 Water Closet. The water closet fixture drain or trap arm connection to the wet vent shall be downstream of fixture drain or trap arm connections to the horizontal wet vent.	8/7/2024		
908.2.5 Additional Fixtures. Additional fixtures shall discharge downstream of the wet vent system and be conventionally vented. Only the fixtures within the bathroom group shall connect to the wet-vented horizontal branch.	8/7/2024		
909.0 Special Venting for Island Fixtures.	8/7/2024		
910.0 Combination Waste and Vent Systems.	8/7/2024		

024 UPC Recommendations to the Board
024 UPC)

2020 MPC 4714	Date of Committee review	Plumbing Board Action/ comments	(A)ccept (R)eject (M)odify
910.1 Where Permitted. Combination waste and vent systems shall be permitted where structural conditions preclude the installation of conventional systems as otherwise prescribed by this code.	8/7/2024		
910.2 Approval. Construction documents for each combination waste and vent system shall first be approved by the Authority Having Jurisdiction before a portion of such system is installed.	8/7/2024		
910.3 Vents. Each combination waste and vent system, as defined in Chapter 2, shall be provided with a vent or vents adequate to ensure free circulation of air. A branch exceeding15 feet (4572 mm) in length shall be separately vented in an approved manner. The area of a vent installed in a combination waste and vent system shall be not less than one-half the inside cross-sectional area of the drain pipe served. The vent connection shall be downstream of the uppermost fixture.	8/7/2024		
910.4 Size. Each waste pipe and each trap in such a system shall be not less than two pipe sizes exceeding the sizes required by Chapter 7 of this code, and not less than two pipe sizes exceeding a fixture tailpiece or connection.	8/7/2024		
910.5 Vertical Waste Pipe. No vertical waste pipe shall be used in such a system, except the tailpiece or connection between the outlet of a plumbing fixture and the trap. Such tailpieces or connections shall be as short as possible, and in no case shall exceed 2 feet (610 mm).	8/7/2024		
Exception: Branch lines shall be permitted to have 45 degree(0.79 rad) vertical offsets.	8/7/2024		
910.6 Cleanouts. An accessible cleanout shall be installed in each vent for the combination waste and vent system. Cleanouts shall not be required on a wet-vented branch serving a single trap where the fixture tailpiece or connection is not less than 2 inches (50 mm) in diameter and provides ready access for cleaning through the trap.	8/7/2024		

024 UPC Recommendations to the Board
024 UPC)

2020 MPC 4714	Date of Committee review	Plumbing Board Action/ comments	(A)ccept (R)eject (M)odify
910.7 Fixtures. No water closet or urinal shall be installed on such a system. Other one, two, or three unit fixtures remotely located from the sanitary system and adjacent to a combination waste and vent system shall be permitted to be connected to such system in the conventional manner by means of waste and vent pipes of regular sizes, providing that the two pipe size increase required in Section 910.4 is based on the total fixture unit load connected to the system. See Appendix B of this code for explanatory notes on the design of combination waste and vent systems.	8/7/2024		
911.0 Circuit Venting.	8/7/2024		
911.1 Circuit Vent Permitted. A maximum of eight fixtures connected to a horizontal branch drain shall be permitted to be circuit vented. Each fixture drain shall connect horizontally to the horizontal branch being circuit vented. The horizontal branch drain shall be classified as a vent from the most downstream fixture drain connection to the most upstream fixture drain connection to the horizontal branch.	8/7/2024		
	8/7/2024		
911.2 Vent Size and Connection. The circuit vent shall be not less than 2 inches (50 mm) in diameter, and the connection shall be located between the two most upstream fixture drains. The vent shall connect to the horizontal branch on the vertical. The circuit vent pipe shall not receive the discharge of soil or waste.	8/7/2024		

024 UPC Recommendations to the Board
024 UPC)

2020 MPC 4714	Date of Committee review	Plumbing Board Action/ comments	(A)ccept (R)eject (M)odify
	8/7/2024		
911.4 Relief Vent. A 2 inch (50 mm) relief vent shall be provided for circuit-vented horizontal branches receiving the discharge of four or more water closets and connecting to a drainage stack that receives the discharge of soil or waste from upper horizontal branches.	8/7/2024		
911.4.1 Connection and Installation. The relief vent shall connect to the horizontal branch drain between the stack and the most downstream fixture drain of the circuit vent. The relief vent shall be installed on the vertical to the horizontal branch.	8/7/2024		
911.4.2 Fixture Drain or Branch. The relief vent is permitted to be a fixture drain or fixture branch for a fixture located within the same branch interval as the circuit-vented horizontal branch. The discharge to a relief vent shall not exceed 4 fixture units.	8/7/2024		
911.3 Slope and Size of Horizontal Branch. The slope of the vent section of the horizontal branch drain shall be not more than 1 inch per foot (83.3 mm/m). The entire length of the vented section of the horizontal branch drain shall be sized for the total drainage discharge to the branch.	8/7/2024		
	8/7/2024		
	8/7/2024		

024 UPC Recommendations to the Board
024 UPC)

2020 MPC 4714	Date of Committee review	Plumbing Board Action/ comments	(A)ccept (R)eject (M)odify
911.5 Additional Fixtures. Fixtures, other than the circuit vented fixtures, are permitted to discharge to the horizontal branch drain. Such fixtures shall be located on the same floor as the circuit-vented fixtures and shall be either individually or common vented.	8/7/2024		
912.0 Engineered Vent System.	8/7/2024		
912.1 General. The design and sizing of a vent system shall be permitted to be determined by accepted engineering practices. The system shall be designed by a registered design professional and approved in accordance with Section 301.5.	8/7/2024		
912.2 Minimum Requirements. An engineered vent system shall provide protection of the trap seal in accordance with Section 901.3.	8/7/2024		

Ad Hoc Code Review and Rulemaking Committee 2024 UPC Recommendations to the Board

Chapter 10

Line #	Rules affected	RFA No.	Brief Title	Proposal and Committee recommendation	Date of Committee review	Committee recommendation continued	Plumbing Board action/comments	(A)ccept (R)eject (M)odify
156	1002.2		Fixture Traps	Leave as amended in the 2020 MPC.	8/7/2024			
157	1002.3	PB0184	Fittings on trap arms.	Discussed: 2/5/25: RFA PB0184 Accepted as ammended.	8/7/2024	2/5/25: The committee accepted the RFA as revised. Exception: For trap arms 2 inch or less, a 1/4 bend fitting may be used from the trap arm to a trap adapter. A 1/4 bend drainage fitting must have, radius or centerline dimensions that are approximately equal to or greater than their nominal pipe size.		
158	1006.1		General	Leave as amended in the 2020 MPC.	8/7/2024			
159	1007.1		General	Delete in its entirety.	8/7/2024			
160	1007.2		Trap Seal Primers.	Keep as shown in 2024 UPC. Add last sentence of 1007.1	8/7/2024	**1007.2 Trap Seal Primers.** Potable water supply trap seal primer valves shall comply with ASSE 1018. Drainage or electronic design type trap seal primer devices shall comply with ASSE 1044 or IAPMO PS 76. Trap seal primers shall be accessible for maintenance.		
161	1008.0		Building Traps	Leave as amended in the 2020 MPC.	8/7/2024	Delete in its entirety.		
162	Table 1009.1		Approved Interceptors	Keep as shown in 2024 UPC.	8/7/2024			
163	1009.2		Approval	Keep as amended in the MPC 2020	8/7/2024	***1009.2 Approval.*** *The size, type, and location of each interceptor (clarifier) or separator shall meet the requirements of this chapter.* *Exception: Interceptors or separators that are engineered and manufactured and are documented by the manufacturer and the project registered professional engineer to be properly designed and sized for the specific project, and are approved by the Authority Having Jurisdiction. No wastes other than those requiring treatment or separation shall be discharged into an interceptor (clarifier) or separator unless specifically permitted elsewhere in this code .*		
164	1009.4		Relief Vent	Leave as amended in the 2020 MPC.	8/7/2024			
165	1010.1		Slaughterhouses, Packing Establishments.	Leave as amended in the 2020 MPC.	8/7/2024	***1010.1 Slaughterhouses.*** *Slaughtering and dressing room drains shall be equipped with separators or interceptors approved by the administrative authority, which shall prevent the discharge into the drainage system of feathers, entrails, or other material likely to clog the drainage system.*		
166	1014.1		General	Leave as amended in the 2020 MPC with the addition of ANSI/CAN/IAPMO Z1001	8/7/2024	**1014.1 General.** Where it is determined by the Authority Having Jurisdiction that waste pretreatment is required, an approved type of grease interceptor(s) complies with ASME A112.14.3, ASME A112.14.4, CSA B481, PDI G-101, ANSI/CAN/IAPMO Z1001 or PDI G-102, and sized in accordance with Section 1014.2.1 or Section 1014.3.6, shall be installed in accordance with the manufacturer's installation instructions to receive the drainage from fixtures or equipment that produce grease-laden waste located in areas of establishments where food is prepared, or other establishments where grease is introduced into the drainage or sewage system in quantities that can effect line stoppage or hinder sewage treatment or private sewage disposal systems. A combination of hydromechanical, gravity grease interceptors and engineered systems shall be allowed to meet this code and other applicable requirements of the Authority Having Jurisdiction where space or existing physical constraints of existing buildings necessitate such installations. A grease interceptor shall not be required for individual dwelling units or private living quarters. Water closets, urinals, and other plumbing fixtures conveying human waste shall not drain into or through the grease interceptor.		
167	1014.2		Hydromechanical Grease Interceptor.	7/2/25 Keep 2024 UPC	8/7/2024			
168	1014.2.1		Capacity	7/2/25 Keep 2024 UPC	8/7/2024			
169	1014.2.2		Vent	7/2/25 Keep 2024 UPC	8/7/2024			
170	Table 1014.2.1			7/2/25 Keep 2024 UPC	8/7/2024			
171	Example 1014.2.1			7/2/25 Keep 2024 UPC	8/7/2024			
172	1014.3.4	PB0193	Location	RFA PB0193 Discussed 3/5/2025 accepted as presented	8/7/2024	1014.3.4 Location. Each grease interceptor shall be easily accessible for inspection, cleaning, and removal of the intercepted grease. A gravity grease interceptor that complies with ANSI/CAN/IAPMO Z1001 shall not be installed in a ~~building where food is handled~~, unless in a well-ventilated normally unoccupied space away from food handling. Location of the grease interceptor shall meet the approval of the Authority Having Jurisdiction.		

Ad Hoc Code Review and Rulemaking Committee 2024 UPC Recommendations to the Board								
Chapter 10								
Line #	**Rules affected**	**RFA No.**	**Brief Title**	**Proposal and Committee recommendation**	**Date of Committee review**	**Committee recommendation continued**	**Plumbing Board action/comments**	**(A)ccept (R)eject (M)odify**
173	1014.3.5	PB0188	Construction Requirements	RFA PB0188 Discussed 2/5/25: accept as revised.	8/7/2024	1014.3.5 Construction Requirements. Gravity grease interceptors shall be designed to remove grease from effluent and shall be sized in accordance with this section. Gravity grease interceptors shall also be designed to retain grease until accumulations can be removed by pumping the interceptor. When provided, a sample box shall be located at the outlet end of gravity grease interceptors so that the Authority Having Jurisdiction can periodically sample effluent quality. Each gravity grease interceptor installation must pass a manometer test with one inch of water column for five minutes or a vacuum test with two inches of mercury for 60 minutes.		
174	1014.3.7		Abandoned Gravity Grease Interceptors.	Leave as amended in the 2020 MPC.	8/7/2024			
175	1016.3		Construction and Size.	Leave as amended in the 2020 MPC.	8/7/2024			
176	1017.1	PB0195	Interceptor Required	RFA 195 Discussed 4/29/25 accepted as presented.	8/7/2024			
177	1017.2	PB0195	Interceptor Design	RFA 195 Discussed 4/29/25 accepted as presented.	8/7/2024			
178	1017.2.1	PB0195	Maintenance	RFA 195 Discussed 4/29/25 accepted as presented.	8/7/2024			
179	1017.3	PB0195	Interceptor Details	RFA 195 Discussed 4/29/25 accepted as presented.	8/7/2024			
180	1017.4	PB0195	Design of Interceptors	RFA 195 Discussed 4/29/25 accepted as presented.	8/7/2024			

11/24/2025

Ad Hoc Code Review and Rulemaking Committee 2024 UPC Recommendations to the Board

Chapter 10 (Keep 2024 UPC)

Line #	Rules affected	Brief Title	Proposal and Committee recommendation	2024 UPC	2020 MPC 4714	Date of Committee review	Plumbing Board action/comments	(A)ccept (R)eject (M)odify
1	**1001**	**1001.0 General.**		**1001.0 General.**	**1001.0 General.**			
2	**1001.1**	**1001.1 Applicability.**	Keep as shown in 2024 UPC.	**1001.1 Applicability.** This chapter shall govern the materials, design, and installation of traps and interceptors.	**1001.1 Applicability.** This chapter shall govern the materials, design, and installation of traps and interceptors.	8/7/2024		
3	**1001.2**	**1001.2 Where Required.**	Keep as shown in 2024 UPC.	**1001.2 Where Required.** Each plumbing fixture shall be separately trapped by an approved type of liquid seal trap. This section shall not apply to fixtures with integral traps. Not more than one trap shall be permitted on a trap arm. Food waste disposers installed with a set of restaurant, commercial, or industrial sinks shall be connected to a separate trap. Each domestic clothes washer and each laundry sink shall be connected to a separate and independent trap, except that a trap serving a laundry sink shall also be permitted to receive the waste from a clothes washer set adjacent to it. The vertical distance between a fixture outlet and the trap weir shall be as short as practicable, but in no case shall the tailpiece exceed 24 inches (610 mm) in length. One trap shall be permitted to serve a set of not more than three single compartment sinks or laundry sinks of the same depth or three lavatories immediately adjacent to each other and in the same room where the waste outlets are not more than 30 inches (762 mm) apart, and the trap is centrally located where three compartments are installed.	***1001.2 Where Required.*** *Each plumbing fixture shall be separately trapped by an approved type of liquid seal trap. This section shall not apply to fixtures with integral traps. Not more than one trap shall be permitted on a trap arm. Food waste disposal units installed with a set of restaurant, commercial, or industrial sinks shall be connected to a separate trap. Each domestic clothes washer and each laundry tub shall be connected to a separate and independent trap, except that a laundry tub shall be permitted to also receive the waste from a clothes washer set adjacent thereto. The vertical distance between a fixture outlet and the trap weir shall be as short as practicable, but in no case shall the tailpiece from a fixture exceed 24 inches (610 mm) in length. One trap shall be permitted to serve a set of not more than three single compartment sinks or laundry tubs of the same depth or three lavatories immediately adjacent to each other and in the same room where the waste outlets are not more than 30 inches (762 mm) apart and the trap is centrally located where the three compartments are installed.*	8/7/2024		
4	**1002**	**1002.0 Traps Protected by Vent Pipes.**		**1002.0 Traps Protected by Vent Pipes.**	**1002.0 Traps Protected by Vent Pipes.**	8/7/2024		
5	**1002.1 Vent Pipes.**	**1002.1 Vent Pipes.**	Keep as shown in 2024 UPC.	**1002.1 Vent Pipes.** Each plumbing fixture trap, except as otherwise provided in this code, shall be protected against siphonage, backpressure, and air circulation shall be assured throughout the drainage system using a vent pipe installed in accordance with the requirements of this code.	**1002.1 Vent Pipes.** Each plumbing fixture trap, except as otherwise provided in this code, shall be protected against siphonage, backpressure, and air circulation shall be assured throughout the drainage system using a vent pipe installed in accordance with the requirements of this code.	8/7/2024		
6	**TABLE 1002.2**	**TABLE 1002.2 HORIZONTAL LENGTHS**	Keep as shown in 2024 UPC.	**TABLE 1002.2 HORIZONTAL LENGTHS OF TRAP ARMS (EXCEPT FOR WATER CLOSETS AND SIMILAR FIXTURES)**	**TABLE 1002.2 HORIZONTAL LENGTHS OF TRAP ARMS (EXCEPT FOR WATER CLOSETS AND SIMILAR FIXTURES**	8/7/2024		
7	**1002.4**	**1002.4 Vent Pipe Opening.**	Keep as shown in 2024 UPC.	**1002.4 Vent Pipe Opening.** The vent pipe opening from soil or waste pipe, except for water closets and similar fixtures, shall not be below the weir of the trap.	**1002.4 Vent Pipe Opening**. The vent pipe opening from soil or waste pipe, except for water closets and similar fixtures, shall not be below the weir of the trap.	8/7/2024		
8	**1003**	**1003.0 Traps – Described.**	Keep as shown in 2024 UPC.	**1003.0 Traps – Described.**	**1003.0 Traps — Described.**	8/7/2024		
9	**1003.1**	**1003.1 General Requirements.**	Keep as shown in 2024 UPC.	**1003.1 General Requirements.** Each trap, except for traps within an interceptor or similar device shall be selfcleaning. Traps for bathtubs, showers, lavatories, sinks, laundry sinks, floor drains, urinals, drinking fountains, dental units, and similar fixtures shall be of standard design, weight and shall be of ABS, cast-brass, cast-iron, lead, PP, PVC, or other approved material. An exposed and readily accessible drawn-copper alloy tubing trap, not less than 17 B & S Gauge (0.045 inch) (1.143 mm), shall be permitted to be used on fixtures discharging domestic sewage. Exception: Drawn-copper alloy tubing traps shall not be used for urinals. Each trap shall have the manufacturer's name stamped legibly in the metal of the trap, and each tubing trap shall have the gauge of the tubing in addition to the manufacturer's name. A trap shall have a smooth and uniform interior waterway.	**1003.1 General Requirements.** Each trap, except for traps within an interceptor or similar device shall be selfcleaning. Traps for bathtubs, showers, lavatories, sinks, laundry tubs, floor drains, urinals, drinking fountains, dental units, and similar fixtures shall be of standard design, weight and shall be of ABS, cast-brass, cast-iron, lead, PP, PVC, or other approved material. An exposed and readily accessible drawn-copper alloy tubing trap, not less than 17 B & S Gauge (0.045 inch) (1.143 mm), shall be permitted to be used on fixtures discharging domestic sewage. Exception: Drawn-copper alloy tubing traps shall not be used for urinals. Each trap shall have the manufacturer's name stamped legibly in the metal of the trap, and each tubing trap shall have the gauge of the tubing in addition to the manufacturer's name. A trap shall have a smooth and uniform interior waterway.	8/7/2024		

Ad Hoc Code Review and Rulemaking Committee 2024 UPC Recommendations to the Board

Chapter 10 (Keep 2024 UPC)

Line #	Rules affected	Brief Title	Proposal and Committee recommendation	2024 UPC	2020 MPC 4714	Date of Committee review	Plumbing Board action/comments	(A)ccept (R)eject (M)odify
10	**1003.2**	**1003.2 Slip Joint Fittings.**	Keep as shown in 2024 UPC.	**1003.2 Slip Joint Fittings.** A maximum of one approved slip joint fitting shall be permitted to be used on the outlet side of a trap, and no tubing trap shall be installed without a listed tubing trap adapter. Listed plastic trap adapters shall be permitted to be used to connect listed metal tubing traps.	**1003.2 Slip Joint Fittings.** A maximum of one approved slip joint fitting shall be permitted to be used on the outlet side of a trap, and no tubing trap shall be installed without a listed tubing trap adapter. Listed plastic trap adapters shall be permitted to be used to connect listed metal tubing traps.	8/7/2024		
11	**1003.3**	**1003.3 Size.**	Keep as shown in 2024 UPC.	**1003.3 Size**. The size (nominal diameter) of a trap for a given fixture shall be sufficient to drain the fixture rapidly but in no case less than nor more than one pipe size larger than given in Table 702.1. The trap shall be the same size as the trap arm to which it is connected.	**1003.3 Size.** The size (nominal diameter) of a trap for a given fixture shall be sufficient to drain the fixture rapidly but in no case less than nor more than one pipe size larger than given in Table 702.1. The trap shall be the same size as the trap arm to which it is connected.	8/7/2024		
12	**1004**	**1004.0 Traps.**	Keep as shown in 2024 UPC.	**1004.0 Traps.**	**1004.0 Traps.**	8/7/2024		
13	**1004.1**	**1004.1 Prohibited.**	Keep as shown in 2024 UPC.	**1004.1 Prohibited.** No form of trap that depends for its seal upon the action of movable parts shall be used. No trap that has concealed interior partitions, except those of plastic, glass, or similar corrosion-resisting material, shall be used. "S" traps, bell traps, and crown-vented traps shall be prohibited. No fixture shall be double trapped. Drum and bottle traps shall be installed for special conditions. No trap shall be installed without a vent, except as otherwise provided in this code.	**1004.1 Prohibited.** No form of trap that depends for its seal upon the action of movable parts shall be used. No trap that has concealed interior partitions, except those of plastic, glass, or similar corrosion-resisting material, shall be used. "S" traps, bell traps, and crown-vented traps shall be prohibited. No fixture shall be double trapped. Drum and bottle traps shall be installed for special conditions. No trap shall be installed without a vent, except as otherwise provided in this code.	8/7/2024		
14	**1004.2**	**1004.2 Movable Parts.**	Keep as shown in 2024 UPC.	**1004.2 Movable Parts.** Bladders, check valves or another type of devices with moveable parts shall be prohibited to serve as a trap.	**1004.2 Movable Parts.** Bladders, check valves or another type of devices with moveable parts shall be prohibited to serve as a trap.	8/7/2024		
15	**1005**	**1005.0 Trap Seals.**	Keep as shown in 2024 UPC.	**1005.0 Trap Seals.**	**1005.0 Trap Seals.**	8/7/2024		
16	**1005.1**	**1005.1 General.**	Keep as shown in 2024 UPC.	**1005.1 General.** Each fixture trap shall have a liquid seal of not less than 2 inches (51 mm) and not more than 4 inches (102 mm), except where a deeper seal is found necessary by the Authority Having Jurisdiction. Traps shall be set true with respect to their liquid seals and, where necessary, they shall be protected from freezing.	**1005.1 General.** Each fixture trap shall have a liquid seal of not less than 2 inches (51 mm) and not more than 4 inches (102 mm), except where a deeper seal is found necessary by the Authority Having Jurisdiction. Traps shall be set true with respect to their liquid seals and, where necessary, they shall be protected from freezing.	8/7/2024		
17	**1006**	**1006.0 Floor Drain Traps.**	Keep as shown in 2024 UPC.	**1006.0 Floor Drain Traps.**	**1006.0 Floor Drain Traps.**	8/7/2024		
18	**1006.1**	**1006.1 General.**	Keep as shown in 2024 UPC.	**1006.1 General.** Floor drains shall connect into a trap so constructed that it can be readily cleaned and of a size to serve efficiently the purpose for which it is intended. The drain inlet shall be so located that it is in full view. Where subject to the reverse flow of sewage or liquid waste, such drains shall be equipped with an approved backwater valve.	***1006.1 General.*** *Floor drains shall connect into a trap constructed so that the trap can be readily cleaned and be of a size to efficiently serve the purpose for which the trap is intended. The drain inlet shall be located so that it is in full view. Where subject to the reverse flow of sewage or liquid waste, such drains shall be equipped with an approved backwater valve. Exception: Floor drains or trench drains that connect to sand interceptors or oil and flammable liquid interceptors do not need to be trapped.*	8/7/2024		
19	**1007**	**1007.0 Trap Seal Protection.**	Keep as shown in 2024 UPC.	**1007.0 Trap Seal Protection.**	**1007.0 Trap Seal Protection.** Deleted in its entirety.	8/7/2024		
20	**1008**	**1008.0 Building Traps.**	Keep as shown in 2024 UPC.	**1008.0 Building Traps.**	**1008.0 Building Traps.** Deleted in its entirety.	8/7/2024		
21	**1009**	**1009.0 Interceptors (Clarifiers) and Separators.**	Keep as shown in 2024 UPC.	**1009.0 Interceptors (Clarifiers) and Separators.**	**1009.0 Interceptors (Clarifiers) and Separators.**	8/7/2024		
22	**1009.1**	**1009.1 Where Required.**	Keep as shown in 2024 UPC.	**1009.1 Where Required.** Interceptors (clarifiers) (including grease, oil, sand, solid interceptors, etc.) shall be required by the Authority Having Jurisdiction where they are necessary for the proper handling of liquid wastes containing grease, flammable wastes, sand, solids, acid or alkaline substances, or other ingredients harmful to the building drainage system, the public or private sewer, or to public or private sewage disposal. A list of acceptable interceptor standards is referenced in Table 1009.1.	**1009.1 Where Required.** Interceptors (clarifiers) (including grease, oil, sand, solid interceptors, etc.) shall be required by the Authority Having Jurisdiction where they are necessary for the proper handling of liquid wastes containing grease, flammable wastes, sand, solids, acid or alkaline substances, or other ingredients harmful to the building drainage system, the public or private sewer, or to public or private sewage disposal.	8/7/2024		

Ad Hoc Code Review and Rulemaking Committee 2024 UPC Recommendations to the Board

Chapter 10 (Keep 2024 UPC)

Line #	Rules affected	Brief Title	Proposal and Committee recommendation	2024 UPC	2020 MPC 4714	Date of Committee review	Plumbing Board action/comments	(A)ccept (R)eject (M)odify
23	**1009.3**	**1009.3 Design.**	Keep as shown in 2024 UPC.	**1009.3 Design.** Interceptors (clarifiers) for sand and similar heavy solids shall be so designed and located as to be readily accessible for cleaning and shall have a water seal of not less than 6 inches (152 mm).	**1009.3 Design.** Interceptors (clarifiers) for sand and similar heavy solids shall be so designed and located as to be readily accessible for cleaning and shall have a water seal of not less than 6 inches (152 mm).	8/7/2024		
24	**1009.4**	**1009.4 Relief Vent.**	Keep as shown in 2024 UPC.	**1009.4 Relief Vent.** Interceptors (clarifiers) shall be so designed that they will not become air-bound where closed covers are used. Each interceptor (clarifier) shall be properly vented.	***1009.4 Relief Vent.*** *Interceptors (clarifiers) shall be so designed that they will not become air-bound where closed covers are used. Each interceptor (clarifier) shall be properly vented. Interceptor (clarifier) and neutralization tank vent ports shall be located above the highest liquid flow level.*	8/7/2024		
25	**1009.5 Location.**	**1009.5 Location.**	Keep as shown in 2024 UPC.	**1009.5 Location.** Each interceptor (clarifier) cover shall be readily accessible for servicing and maintaining the interceptor (clarifier) in working and operating condition. The use of ladders or the removal of bulky equipment to service interceptors (clarifiers) shall constitute a violation of accessibility. Location of interceptors (clarifiers) shall be shown on the approved building plan.	**1009.5 Location.** Each interceptor (clarifier) cover shall be readily accessible for servicing and maintaining the interceptor (clarifier) in working and operating condition. The use of ladders or the removal of bulky equipment to service interceptors (clarifiers) shall constitute a violation of accessibility. Location of interceptors (clarifiers) shall be shown on the approved building plan.	8/7/2024		
26	**1009.6**	**1009.6 Maintenance of Interceptors.**	Keep as shown in 2024 UPC.	**1009.6 Maintenance of Interceptors.** Interceptors shall be maintained in efficient operating condition by periodic removal of accumulated grease, scum, oil, or other floating substances and solids deposited in the interceptor.	**1009.6 Maintenance of Interceptors.** Interceptors shall be maintained in efficient operating condition by periodic removal of accumulated grease, scum, oil, or other floating substances and solids deposited in the interceptor.	8/7/2024		
27	**1009.7**	**1009.7 Discharge.**	Keep as shown in 2024 UPC.	**1009.7 Discharge.** The waste pipe from oil and sand interceptors shall discharge as approved by the Authority Having Jurisdiction.	**1009.7 Discharge.** The waste pipe from oil and sand interceptors shall discharge as approved by the Authority Having Jurisdiction.	8/7/2024		
28	**1011**	**1011.0 Minimum Requirements for Auto Wash Racks.**	Keep as shown in 2024 UPC.	**1011.0 Minimum Requirements for Auto Wash Racks.**	**1011.0 Minimum Requirements for Auto Wash Racks.**	8/7/2024		
29	**1011.1**	**1011.1 General.**	Keep as shown in 2024 UPC.	**1011.1 General.** A private or public wash rack or floor or slab used for cleaning machinery or machine parts shall be adequately protected against storm or surface water and shall drain or discharge into an approved interceptor (clarifier).	**1011.1 General.** A private or public wash rack or floor or slab used for cleaning machinery or machine parts shall be adequately protected against storm or surface water and shall drain or discharge into an approved interceptor (clarifier).	8/7/2024		
30	**1012**	**1012.0 Commercial and Industrial Laundries.**	Keep as shown in 2024 UPC.	**1012.0 Commercial and Industrial Laundries.**	**1012.0 Commercial and Industrial Laundries.**	8/7/2024		
31	**1012.1**	**1012.1 General.**	Keep as shown in 2024 UPC.	**1012.1 General.** Laundry equipment in commercial and industrial buildings that do not have integral strainers shall discharge into an interceptor having a wire basket or similar device that is removable for cleaning and that will prevent passage into the drainage system of solids 1⁄2 of an inch (12.7 mm) or larger in maximum dimensions, such as string, rags, buttons, or other solid materials detrimental to the public sewerage system.	**1012.1 General.** Laundry equipment in commercial and industrial buildings that do not have integral strainers shall discharge into an interceptor having a wire basket or similar device that is removable for cleaning and that will prevent passage into the drainage system of solids 1⁄2 of an inch (12.7 mm) or larger in maximum dimensions, such as string, rags, buttons, or other solid materials detrimental to the public sewerage system.	8/7/2024		
32	**1013**	**1013.0 Bottling Establishments.**	Keep as shown in 2024 UPC.	**1013.0 Bottling Establishments.**	**1013.0 Bottling Establishments.**	8/7/2024		
33	**1013.1**	**1013.1 General.**	Keep as shown in 2024 UPC.	**1013.1 General.** Bottling plants shall discharge their process wastes into an interceptor that will provide for the separation of broken glass or other solids, before discharging liquid wastes into the drainage system.	**1013.1 General.** Bottling plants shall discharge their process wastes into an interceptor that will provide for the separation of broken glass or other solids, before discharging liquid wastes into the drainage system.	8/7/2024		
34	**1014**	**1014.0 Grease Interceptors.**	Keep as shown in 2024 UPC.	**1014.0 Grease Interceptors.**	**1014.0 Grease Interceptors.**	8/7/2024		
35	**1014.1.1**	**1014.1.1 Trapped and Vented.**	Keep as shown in 2024 UPC.	**1014.1.1 Trapped and Vented.** Each fixture discharging into a grease interceptor shall be individually trapped and vented in an approved manner.	**1014.1.1 Trapped and Vented.** Each fixture discharging into a grease interceptor shall be individually trapped and vented in an approved manner.	8/7/2024		

Ad Hoc Code Review and Rulemaking Committee 2024 UPC Recommendations to the Board

Chapter 10 (Keep 2024 UPC)

Line #	Rules affected	Brief Title	Proposal and Committee recommendation	2024 UPC	2020 MPC 4714	Date of Committee review	Plumbing Board action/comments	(A)ccept (R)eject (M)odify
36	**1014.1.2**	**1014.1.2 Maintenance.**	Keep as shown in 2024 UPC.	**1014.1.2 Maintenance.** Grease interceptors shall be maintained in efficient operating condition by periodic removal of the accumulated grease and latent material. No such collected grease shall be introduced into drainage piping or a public or private sewer. Where the Authority Having Jurisdiction determines that a grease interceptor is not being properly cleaned or maintained, the Authority Having Jurisdiction shall have the authority to mandate the installation of additional equipment or devices and to mandate a maintenance program.	**1014.1.2 Maintenance.** Grease interceptors shall be maintained in efficient operating condition by periodic removal of the accumulated grease and latent material. No such collected grease shall be introduced into drainage piping or a public or private sewer. Where the Authority Having Jurisdiction determines that a grease interceptor is not being properly cleaned or maintained, the Authority Having Jurisdiction shall have the authority to mandate the installation of additional equipment or devices and to mandate a maintenance program.	8/7/2024		
37	**1014.1.3**	**1014.1.3 Food Waste Disposers and Dishwashers.**	Keep as shown in 2024 UPC.	**1014.1.3 Food Waste Disposers and Dishwashers.** No food waste disposer or dishwasher shall be connected to or discharge into a grease interceptor. Commercial food waste disposers shall be permitted to discharge directly into the building's drainage system. Exception: Food waste disposers shall be permitted to discharge to grease interceptors that are designed to receive the discharge of food waste.	**1014.1.3 Food Waste Disposers and Dishwashers.** No food waste disposer or dishwasher shall be connected to or discharge into a grease interceptor. Commercial food waste disposers shall be permitted to discharge directly into the building's drainage system. Exception: Food waste disposers shall be permitted to discharge to grease interceptors that are designed to receive the discharge of food waste.	8/7/2024		
38	**1014.2**	**1014.2 Hydromechanical Grease Interceptors.**	Keep as shown in 2024 UPC.	**1014.2 Hydromechanical Grease Interceptors.** Plumbing fixtures or equipment connected to a Type A and B hydromechanical grease interceptor shall discharge through an approved type of vented flow control installed in a readily accessible and visible location. Flow control devices shall be designed and installed so that the total flow through such device or devices shall at no time be greater than the rated flow of the connected grease interceptor. No flow control device having adjustable or removable parts shall be approved. The vented flow control device shall be located such that no system vent shall be between the flow control and the grease interceptor inlet. The vent or air inlet of the flow control device shall connect with the sanitary drainage vent system, as elsewhere required by this code, or shall terminate through the roof of the building, and shall not terminate to the free atmosphere inside the building. Exception: Listed grease interceptors with integral flow controls or restricting devices shall be installed in an accessible location in accordance with the manufacturer's installation instructions.	**1014.2 Hydromechanical Grease Interceptors.** Plumbing fixtures or equipment connected to a Type A and B hydromechanical grease interceptor shall discharge through an approved type of vented flow control installed in a readily accessible and visible location. Flow control devices shall be designed and installed so that the total flow through such device or devices shall at no time be greater than the rated flow of the connected grease interceptor. No flow control device having adjustable or removable parts shall be approved. The vented flow control device shall be located such that no system vent shall be between the flow control and the grease interceptor inlet. The vent or air inlet of the flow control device shall connect with the sanitary drainage vent system, as elsewhere required by this code, or shall terminate through the roof of the building, and shall not terminate to the free atmosphere inside the building. Exception: Listed grease interceptors with integral flow controls or restricting devices shall be installed in an accessible location in accordance with the manufacturer's installation instructions.	8/7/2024		
39	**1014.2.1 Capacity.**	**1014.2.1 Capacity.**	Keep as shown in 2024 UPC.	**1014.2.1 Capacity.** The total capacity in gallons (gal) (L) of fixtures discharging into a hydromechanical grease interceptor shall not exceed two and one-half times the certified gallon per minute (gpm) (L/s) flow rate of the interceptor in accordance with Table 1014.2.1. For this section, the term "fixture" shall mean and include each plumbing fixture, appliance, apparatus, or other equipment required to be connected to or discharged into a grease interceptor by a provision of this section.	**1014.2.1 Capacity.** The total capacity in gallons (gal) (L) of fixtures discharging into a hydromechanical grease interceptor shall not exceed two and one-half times the certified gallon per minute (gpm) (L/s) flow rate of the interceptor in accordance with Table 1014.2.1. For this section, the term "fixture" shall mean and include each plumbing fixture, appliance, apparatus, or other equipment required to be connected to or discharged into a grease interceptor by a provision of this section.	8/7/2024		
40	**1014.2.2**	**1014.2.2 Vent.**	Keep as shown in 2024 UPC.	**1014.2.2 Vent**. A vent shall be installed downstream of hydromechanical grease interceptors in accordance with the requirements of this code.	**1014.2.2 Vent.** A vent shall be installed downstream of hydromechanical grease interceptors in accordance with the requirements of this code.	8/7/2024		
41	**TABLE 1014.2.1**	**TABLE 1014.2.1 HYDROMECHANICAL**	Keep as shown in 2024 UPC.	**TABLE 1014.2.1 HYDROMECHANICAL GREASE INTERCEPTOR SIZING USING GRAVITY FLOW RATES1**	**TABLE 1014.2.1 HYDROMECHANICAL GREASE INTERCEPTOR SIZING USING GRAVITY FLOW RATES1**	8/7/2024		
42	**EXAMPLE 1014.2.1**	**EXAMPLE 1014.2.1 SIZING HYDROMECHANICAL**	Keep as shown in 2024 UPC.	**EXAMPLE 1014.2.1 SIZING HYDROMECHANICAL GREASE INTERCEPTOR(S) USING FIXTURE CAPACITY**	**EXAMPLE 1014.2.1 SIZING HYDROMECHANICAL GREASE INTERCEPTOR(S) USING FIXTURE CAPACITY**	8/7/2024		
43	**1014.3**	**1014.3 Gravity Grease Interceptors.**	Keep as shown in 2024 UPC.	**1014.3 Gravity Grease Interceptors.** Required gravity grease interceptors shall comply with the provisions of Section 1014.3.1 through Section 1014.3.7.	**1014.3 Gravity Grease Interceptors.** Required gravity grease interceptors shall comply with the provisions of Section 1014.3.1 through Section 1014.3.7.	8/7/2024		

Ad Hoc Code Review and Rulemaking Committee 2024 UPC Recommendations to the Board

Chapter 10 (Keep 2024 UPC)

Line #	Rules affected	Brief Title	Proposal and Committee recommendation	2024 UPC	2020 MPC 4714	Date of Committee review	Plumbing Board action/comments	(A)ccept (R)eject (M)odify
44	**1014.3.1**	**1014.3.1 General.**	Keep as shown in 2024 UPC.	**1014.3.1 General.** The provisions of this section shall apply to the design, construction, installation, and testing of commercial kitchen gravity grease interceptors.	**1014.3.1 General.** The provisions of this section shall apply to the design, construction, installation, and testing of commercial kitchen gravity grease interceptors.	8/7/2024		
45	**1014.3.2**	**1014.3.2 Waste Discharge Requirements.**	Keep as shown in 2024 UPC.	**1014.3.2 Waste Discharge Requirements.** Waste discharge in establishments from fixtures and equipment which contain grease, including but not limited to, scullery sinks, pot and pan sinks, dishwashers, soup kettles, and floor drains located in areas where grease-containing materials exist, shall be permitted to be drained into the sanitary waste through the interceptor where approved by the Authority Having Jurisdiction.	**1014.3.2 Waste Discharge Requirements.** Waste discharge in establishments from fixtures and equipment which contain grease, including but not limited to, scullery sinks, pot and pan sinks, dishwashers, soup kettles, and floor drains located in areas where grease-containing materials exist, shall be permitted to be drained into the sanitary waste through the interceptor where approved by the Authority Having Jurisdiction.	8/7/2024		
46	**1014.3.2.1**	**1014.3.2.1 Toilets and Urinals.**	Keep as shown in 2024 UPC.	**1014.3.2.1 Toilets and Urinals.** Toilets, urinals, and other similar fixtures shall not drain through the interceptor.	**1014.3.2.1 Toilets and Urinals.** Toilets, urinals, and other similar fixtures shall not drain through the interceptor.	8/7/2024		
47	**1014.3.2.2**	**1014.3.2.2 Inlet Pipe.**	Keep as shown in 2024 UPC.	**1014.3.2.2 Inlet Pipe.** Waste shall enter the interceptor through the inlet pipe.	**1014.3.2.2 Inlet Pipe.** Waste shall enter the interceptor through the inlet pipe.	8/7/2024		
48	**1014.3.3**	**1014.3.3 Design.**	Keep as shown in 2024 UPC.	**1014.3.3 Design.** Gravity interceptors shall be constructed in accordance with the applicable standard in Chapter 17 or the design approved by the Authority Having Jurisdiction.	**1014.3.3 Design.** Gravity interceptors shall be constructed in accordance with the applicable standard in Table 1701.1 or the design approved by the Authority Having Jurisdiction.	8/7/2024		
49	**1014.3.4.1**	**1014.3.4.1 Interceptors.**	Keep as shown in 2024 UPC.	**1014.3.4.1 Interceptors.** Interceptors shall be placed as close as practical to the fixtures they serve.	**1014.3.4.1 Interceptors.** Interceptors shall be placed as close as practical to the fixtures they serve.	8/7/2024		
50	**1014.3.4.2**	**1014.3.4.2 Business Establishment.**	Keep as shown in 2024 UPC.	**1014.3.4.2 Business Establishment.** Each business establishment for which a gravity grease interceptor is required shall have an interceptor which shall serve that establishment unless otherwise approved by the Authority Having Jurisdiction.	**1014.3.4.2 Business Establishment.** Each business establishment for which a gravity grease interceptor is required shall have an interceptor which shall serve that establishment unless otherwise approved by the Authority Having Jurisdiction.	8/7/2024		
51	**1014.3.4.3**	**1014.3.4.3 Access.**	Keep as shown in 2024 UPC.	**1014.3.4.3 Access.** Each gravity grease interceptor shall be located to be readily accessible to the equipment required for maintenance.	**1014.3.4.3 Access.** Each gravity grease interceptor shall be located to be readily accessible to the equipment required for maintenance.	8/7/2024		
52	**1014.3.6**	**1014.3.6 Sizing Criteria.**	Keep as shown in 2024 UPC.	**1014.3.6 Sizing Criteria.** The volume of the interceptor shall be determined by using Table 1014.3.6. Where drainage fixture units (DFUs) are not known, the interceptor shall be sized based on the maximum DFUs allowed for the pipe size connected to the inlet of the interceptor. Refer to Table 703.2, Drainage Piping, Horizontal.	**1014.3.6 Sizing Criteria.** The volume of the interceptor shall be determined by using Table 1014.3.6. Where drainage fixture units (DFUs) are not known, the interceptor shall be sized based on the maximum DFUs allowed for the pipe size connected to the inlet of the interceptor. Refer to Table 703.2, Drainage Piping, Horizontal.	8/7/2024		
53	**TABLE 1014.3.6**	**TABLE 1014.3.6 GRAVITY GREASE INTERCEPTOR SIZING**	Keep as shown in 2024 UPC.	**TABLE 1014.3.6 GRAVITY GREASE INTERCEPTOR SIZING**	**TABLE 1014.3.6 GRAVITY GREASE INTERCEPTOR SIZING**	8/7/2024		
54	**EXAMPLE 1014.3.6**	**EXAMPLE 1014.3.6 GRAVITY GREASE INTERCEPTOR SIZING EXAMPLE**	Keep as shown in 2024 UPC.	**EXAMPLE 1014.3.6 GRAVITY GREASE INTERCEPTOR SIZING EXAMPLE**	**EXAMPLE 1014.3.6 GRAVITY GREASE INTERCEPTOR SIZING EXAMPLE**	8/7/2024		
55	**1015**	**1015.0 FOG (Fats, Oils, and Greases) Disposal System.**	Keep as shown in 2024 UPC.	**1015.0 FOG (Fats, Oils, and Greases) Disposal System.**	**1015.0 FOG (Fats, Oils, and Greases) Disposal System.**	8/7/2024		
56	**1015.1**	**1015.1 Purpose.**	Keep as shown in 2024 UPC.	**1015.1 Purpose.** The purpose of this section is to provide the necessary criteria for the sizing, application, and installation of FOG disposal systems designated as a pretreatment or discharge water quality compliance strategy.	**1015.1 Purpose.** The purpose of this section is to provide the necessary criteria for the sizing, application, and installation of FOG disposal systems designated as a pretreatment or discharge water quality compliance strategy.	8/7/2024		
57	**1015.2**	**1015.2 Components, Materials, and Equipment**	Keep as shown in 2024 UPC.	**1015.2 Components, Materials, and Equipment.** FOG disposal systems, including components, materials, and equipment necessary for the proper function of the system, shall comply with ASME A112.14.6.	**1015.2 Components, Materials, and Equipment.** FOG disposal systems, including components, materials, and equipment necessary for the proper function of the system, shall comply with ASME A112.14.6.	8/7/2024		
58	**1015.3**	**1015.3 Sizing and Installation.**	Keep as shown in 2024 UPC.	**1015.3 Sizing and Installation.** FOG disposal systems shall be sized and installed in accordance with the manufacturer's installation instructions.	**1015.3 Sizing and Installation.** FOG disposal systems shall be sized and installed in accordance with the manufacturer's installation instructions.	8/7/2024		

Ad Hoc Code Review and Rulemaking Committee 2024 UPC Recommendations to the Board

Chapter 10 (Keep 2024 UPC)

Line #	Rules affected	Brief Title	Proposal and Committee recommendation	2024 UPC	2020 MPC 4714	Date of Committee review	Plumbing Board action/comments	(A)ccept (R)eject (M)odify
59	**1015.4**	**1015.4 Performance.**	Keep as shown in 2024 UPC.	**1015.4 Performance.** FOG disposal systems shall produce an effluent quality not to exceed 5.84 grains per gallon (gr/gal) (100 mg/L) FOG.	**1015.4 Performance.** FOG disposal systems shall produce an effluent quality not to exceed 5.84 grains per gallon (gr/gal) (100 mg/L) FOG.	8/7/2024		
60	**1016**	**1016.0 Sand Interceptors.**	Keep as shown in 2024 UPC.	**1016.0 Sand Interceptors.**	**1016.0 Sand Interceptors.**	8/7/2024		
61	**1016.1**	**1016.1 Discharge.**	Keep as shown in 2024 UPC.	**1016.1 Discharge.** Where the discharge of a fixture or drain contains solids or semi-solids heavier than water that would be harmful to a drainage system or cause a stoppage within the system, the discharge shall be through a sand interceptor. Multiple floor drains shall be permitted to discharge into one sand interceptor.	**1016.1 Discharge.** Where the discharge of a fixture or drain contains solids or semi-solids heavier than water that would be harmful to a drainage system or cause a stoppage within the system, the discharge shall be through a sand interceptor. Multiple floor drains shall be permitted to discharge into one sand interceptor.	8/7/2024		
62	**1016.2**	**1016.2 Authority Having Jurisdiction.**	Keep as shown in 2024 UPC.	**1016.2 Authority Having Jurisdiction.** Sand interceptors are required where the Authority Having Jurisdiction deems it advisable to have a sand interceptor to protect the drainage system.	**1016.2 Authority Having Jurisdiction.** Sand interceptors are required where the Authority Having Jurisdiction deems it advisable to have a sand interceptor to protect the drainage system.	8/7/2024		

11.24.2025

Ad Hoc Code Review and Rulemaking Committee 2

Chapter 11

Line #	Rules affected	RFA No.	Brief Title	Proposal and Committee recommendation	Date of Committee review
				September 4, 2024 Minutes	
181	1101.1	PB0166	Applicabillity	RFA PB0166 not accepted and leave as ammended in the 2020 MPC	9/4/2024
182	1101.2		Where Required.	Leave as amended in the 2020 MPC.	9/4/2024
183	1101.3		Storm Water Drainage to Sanitary Sewer Proihibited.	Leave as amended in the 2020 MPC.	9/4/2024
184	1101.4	PB0194	Marterial Usage.	Keep As shown In 2024 UPC Strike out after chapter 17. PB0194 Discussed 3/5/2025 accepted as revised	9/4/2024

Ad Hoc Code Review and Rulemaking Committee 2

Chapter 11

Line #	Rules affected	RFA No.	Brief Title	Proposal and Committee recommendation	Date of Committee review
185					9/4/2024
186	1101.4.4	PB0169	Underground Building Storm Drains	RFA PB0169 Committee recommends not to accept.	9/4/2024
187	1101.4.4	PB0174	Underground Building Storm Drains	RFA PB0174 Committee recommends not to accept.	9/4/2024
188	1101.4.7	PB0203	Pipe Connections to Structures	RFA PB0203. 7/2/25 Not to accept, presenter to bring inforamtion from Iapmo	9/4/2024
189	1101.12.1		Primary Roof Drainage	Leave as amended in the 2020 MPC.	9/4/2024
190	1101.12.2		Secondary Drainage	Leave as amended in the 2020 MPC.	9/4/2024
191	2020 MPC 1101.12.2.1		Location.	Leave as amended in the 2020 MPC.	9/4/2024
192	2020 MPC 1101.12.2.2	PB0207	Engineered System	RFA PB0207, PB0201 7/2/2025 RFA amended at meeting and approved as revised.	9/4/2024
193	1101.12.2.1		Roof Scuppers	Remove from UPC	9/4/2024
194	1101.12.2.2		Secondary Roof Drains	Remove from UPC	9/4/2024

Ad Hoc Code Review and Rulemaking Committee 2

Chapter 11

Line #	Rules affected	RFA No.	Brief Title	Proposal and Committee recommendation	Date of Committee review
195	1101.12.2.2.1	PB0177	Separate Piping System	RFA PB0177. Keep As shown In 2024 UPC. Add maximum height of 60" and renumber as needed.	9/4/2024
196	1101.12.2.2.2	PB0206	Combined System	RFA PB0206 7/2/2025 Accepted as Presented .	9/4/2024
197	1101.12.2.2.3	PB0206		RFA PB0206 7/2/2025 Accepted as Presented .	9/4/2024
198	1103.1		Verticle Conductors and Leaders	Leave as amended in the 2020 MPC.	9/4/2024
199	1103.2		Size of Horizontal Storm Drains and Sewers	Leave as amended in the 2020 MPC.	9/4/2024
200	1103.3		Reduction in Size Prohibited	Leave as amended in the 2020 MPC.	9/4/2024
201	Table 1103.3		Size of Roof Gutters	Delete Table 1103.3	9/4/2024

Ad Hoc Code Review and Rulemaking Committee 2					
Chapter 11					
Line #	**Rules affected**	**RFA No.**	**Brief Title**	**Proposal and Committee recommendation**	**Date of Committee review**
202	1105.0		Controlled-Flow Roof Drainage	8.6.25 Leave as ammended in the 2020 MPC	9/4/2024
203					9/4/2024
204					9/4/2024
205					9/4/2024
206					9/4/2024
207					9/4/2024
208					9/4/2024
209					9/4/2024
210					9/4/2024

Ad Hoc Code Review and Rulemaking Committee 2

Chapter 11

Line #	Rules affected	RFA No.	Brief Title	Proposal and Committee recommendation	Date of Committee review
211					9/4/2024
212					9/4/2024
213					9/4/2024
214					9/4/2024
215					9/4/2024
216					9/4/2024
217					
218	1106.0		Siphonic Roof Drainage	Leave as amended in the 2020 MPC.	9/4/2024
219	1107.1		Testing Required	Leave as amended in the 2020 MPC.	9/4/2024
220	1107.2		Methods of Testing Storm Systems.	Keep As shown In 2024 UPC, Stricke out ~~except that plastic pipe shall not be tested with air~~	9/4/2024
221	1107.2.3		Exceptions	Leave as amended in the 2020 MPC, City of enginners Association of Minnesota 2023 edition.	9/4/2024
222	Table 1103.3		Size of Gutters	Delete Table 1103.3	9/4/2024

2024 UPC Recommendations to the Board

1

Committee recommendation continued	Plumbing Board action/comments	(A)ccept (R)eject (M)odify
1101.4 Material Uses. Pipe, tube, and fittings conveying rainwater shall be of such materials and design as to perform their intended function to the satisfaction of the Authority Having Jurisdiction. Conductors within a vent or shaft shall be of cast-iron, galvanized steel, wrought iron, copper, copper alloy, lead, Schedule 40 ABS DWV, Schedule 40 PVC DWV, stainless steel 304 or 316L [stainless steel 304 pipe and fittings shall not be installed underground and shall be kept not less than 6 inches (152 mm) aboveground], or other approved materials, and changes in direction shall be in accordance with the requirements of Section 706.0. ABS and PVC DWV piping installations shall be installed in accordance with applicable standards referenced in Chapter 17. Plastic piping and tubing installed in plenums shall comply with Chapter 6 of the Minnesota Mechanical and Fuel Gas Code.		

2024 UPC Recommendations to the Board

1

Committee recommendation continued	Plumbing Board action/comments	(A)ccept (R)eject (M)odify
~~and Chapter 14 "Firestop Protection." Except for individual single-family dwelling units, materials exposed within ducts or plenums shall have a flame-spread index of not more than 25 and a smoke-developed index of not more than 50, where tested in accordance with ASTM E84 or UL 723. Plastic piping installed in plenums shall be tested in accordance with all requirements of ASTM E84 or UL 723. Mounting methods, supports and sample sizes of materials for testing that are not specified in ASTM E84 or UL 723 shall be prohibited.~~		
1101.12.2.2 ~~Engineered System. Engineered siphonic roof drainage systems must not be utilized in the design of a secondary roof drainage system.~~ Engineered siphonic roof drainage systems may be utilized in the design of a secondary roof drainage system and shall be designed in accordance with ASPE/ANSI 45 Siphonic Roof Drainage Standard.		

2024 UPC Recommendations to the Board

1

Committee recommendation continued	Plumbing Board action/comments	(A)ccept (R)eject (M)odify
1101.12.2.2.1 Separate Piping System. The secondary roof drainage system shall be a separate system of piping, independent of the primary roof drainage system. The discharge shall be a maximum of 60" above grade, in a location observable by the building occupants or maintenance personnel. Secondary roof drain systems shall be sized in accordance with Section 1101.12.1 based on the rainfall rate for which the primary system is sized.		
1101.12.2.2.2 Combined System. The seondary roof drains shall connect to the vertical piping of the primary storm drainage conductor downstream of the last horizontal offset located below the roof. The primary storm drainage system shall connect to the building storm water that connects to an underground public storm sewer. The combined secondary and primary roof drain systems shall be sized in accordance with Section 1103.0 based on double the rainfall rate for the ~~local area.~~ required by 1103.0.		
1101.12.2.2.3 Notification. Where secondary roof drains are connected according to 1101.12.2.2.2, the secondary roof drainge system shall be provided with means to provide automatic notification of flow in the secondary system. This system shall provide notification at all times to a person responsible for building maintenance or the building owner.		

2024 UPC Recommendations to the Board

1

Committee recommendation continued	Plumbing Board action/comments	(A)ccept (R)eject (M)odify
1105.0 Controlled-Flow Roof Drainage.		
1105.1 Application. *The controlled-flow roof drainage system shall be sized on the basis of controlled flow and storage of the storm water on the roof, provided the design is based on a minimum of 4 inches per hour and the following conditions are met:*		
(1) The water from a 25-year-frequency storm shall not be stored on the roof for more than 24 hours.		
(2) During the storm, the water depth on the roof shall not exceed the depths specified in Table 1105.1(1).		
(3) Not less than two drains shall be installed in roof areas of 10 000 square feet (929 m2) or less, and not less than one additional drain shall be installed for each additional 10 000 square feet (929 m2) or less of roof area.		
(4) Each roof drain shall have a precalibrated, fixed (nonadjustable), and proportional weir (notched) in a standing water collar inside the strainer. No mechanical devices or valves shall be allowed.		
(5) Pipe sizing shall be based on the precalibrated rate of flow (gpm) (L/s) of the precalibrated weir for the maximum allowable water depth, and Tables 1103.1 and 1103.2.		
(6) The height of stones or other granular material above the waterproofed surface shall not be considered in water depth measurement, and the roof surface in the vicinity of the drain shall not be recessed to create a reservoir.		
(7) Roof design, where controlled-flow roof drainage is used, shall be such that the design roof live load is not less than 40 lb/ft2.		

2024 UPC Recommendations to the Board

1

Committee recommendation continued	Plumbing Board action/comments	(A)ccept (R)eject (M)odify
(8) Scuppers shall be provided in parapet walls. The distance of scupper bottoms above the roof level at the drains shall not exceed the maximum distances specified in Table 1105.1(2).		
(9) Scupper openings shall be not less than 4 inches (102 mm) high and have a width equal to the circumference of the roof drain required for the area served, sized in accordance with Table 1103.1.		
(10) Flashings shall extend above the top of the scuppers.		
(11) At a wall or parapet, 45 degree (0.79 rad) cants shall be installed.		
(12) Separate storm and sanitary drainage systems shall be		
(13) Calculations for the roof drainage system shall be submitted, along with the plans, to the Authority Having Jurisdiction for approval.		
1107.2 Methods of Testing Storm Drainage Systems. Except for outside leaders and perforated or open-jointed drain tile, the piping of storm drain systems shall be tested upon completion of the rough piping installation by water or air, ~~except that plastic pipe shall not be tested with air~~, and proved tight. The Authority Having Jurisdiction shall be permitted to require the removal of cleanout plugs to ascertain whether the pressure has reached parts of the system. One of the following test methods shall be used in accordance with Section 1107.2.1 through Section 1107.2.3.		

11/24/2025

Ad Hoc Code Review and Rulemaking Committee 2024 UPC Recommendations to the Board

Chapter 11 (Keep 2024 UPC)

Line #	Rules affected	Brief Title	Proposal and Committee recommendation	2024 UPC	2020 MPC 4714	Date of Committee review	Plumbing Board action/comments	(A)ccept (R)eject (M)odify
1	1101.0	**1101.0 General.**		**1101.0 General.**	**1101.0 General.**	**9/4/2024**		
2		**101.4.1 Copper and Copper Alloys.**	Keep As shown In 2024 UPC	**1101.4.1 Copper and Copper Alloys.** Joints and connections in copper and copper alloy pipe and tube shall be installed in accordance with Section 705.3.	**1101.4.1 Copper and Copper Alloys.** Joints and connections in copper and copper alloy pipe and tube shall be installed in accordance with Section 705.3.	9/4/2024		
3		**1101.4.2 Conductors.**	Keep As shown In 2024 UPC	**1101.4.2 Conductors.** Conductors installed aboveground in buildings shall comply with the applicable standards referenced in Table 701.2 for aboveground drain, waste, and vent pipe. Conductors installed aboveground level shall be of seamless copper water tube, Type K, L, or M; Schedule 40 copper pipe or Schedule 40 copper alloy pipe; Type DWV copper drainage tube; service weight cast-iron soil pipe or hubless cast-iron soil pipe; standard weight galvanized steel pipe; stainless steel 304 or 316L [stainless steel 304 pipe and fittings shall not be installed underground and shall be kept not less than 6 inches (152 mm) aboveground], or Schedule 40 ABS or Schedule 40 PVC plastic pipe.	**1101.4.2 Conductors.** Conductors installed aboveground in buildings shall comply with the applicable standards referenced in Table 701.2 for aboveground drain, waste, and vent pipe. Conductors installed aboveground level shall be of seamless copper water tube, Type K, L, or M; Schedule 40 copper pipe or Schedule 40 copper alloy pipe; Type DWV copper drainage tube; service weight cast-iron soil pipe or hubless cast-iron soil pipe; standard weight galvanized steel pipe; stainless steel 304 or 316L [stainless steel 304 pipe and fittings shall not be installed underground and shall be kept not less than 6 inches (152 mm) aboveground], or Schedule 40 ABS or Schedule 40 PVC plastic pipe.	9/4/2024		
4		**1101.4.3 Leaders.**	Keep As shown In 2024 UPC	**1101.4.3 Leaders.** Leaders installed outside shall comply with the applicable standards referenced in Table 701.2 for aboveground drain, waste, and vent pipe; aluminum sheet metal; galvanized steel sheet metal; or copper sheet metal.	**1101.4.3 Leaders.** Leaders installed outside shall comply with the applicable standards referenced in Table 701.2 for aboveground drain, waste, and vent pipe; aluminum sheet metal; galvanized steel sheet metal; or copper sheet metal.	9/4/2024		
5		**1101.4.4 Underground Building Storm Drains.**	Keep As shown In 2024 UPC	**1101.4.4 Underground Building Storm Drains.** Underground building storm drains shall comply with the applicable standards referenced in Table 701.2 for underground drain, waste, and vent pipe.	**1101.4.4 Underground Building Storm Drains.** Underground building storm drains shall comply with the applicable standards referenced in Table 701.2 for underground drain, waste, and vent pipe.	9/4/2024		
6		**1101.4.5 Building Storm Sewers**	Keep As shown In 2024 UPC	**1101.4.5 Building Storm Sewers.** Building storm sewers shall comply with the applicable standards referenced in Table 701.2 for building sewer pipe.	**1101.4.5 Building Storm Sewers.** Building storm sewers shall comply with the applicable standards referenced in Table 701.2 for building sewer pipe.	9/4/2024		
7		**1101.4.6 Subsoil Drains.**	Keep As shown In 2024 UPC	**1101.4.6 Subsoil Drains.** Subsoil drains shall be open jointed, perforated, or both and constructed of materials in conformance with Table 1101.4.6.	**1101.4.6 Subsoil Drains.** Subsoil drains shall be open jointed, perforated, or both and constructed of materials in conformance with Table 1101.4.6.	9/4/2024		
8		**TABLE 1101.4.6 MATERIALS FOR SUBSOIL DRAINPIPE AND FITTINGS**	Keep As shown In 2024 UPC	**TABLE 1101.4.6 MATERIALS FOR SUBSOIL DRAINPIPE AND FITTINGS**	**TABLE 1101.4.6 MATERIALS FOR SUBSOIL DRAIN PIPE AND FITTINGS**	9/4/2024		
9		**1101.5 Expansion Joints Required.**	Keep As shown In 2024 UPC	**1101.5 Expansion Joints Required.** Expansion joints or sleeves shall be provided where warranted by temperature variations or physical conditions.	**1101.5 Expansion Joints Required.** Expansion joints or sleeves shall be provided where warranted by temperature variations or physical conditions.	9/4/2024		
10		**1101.6 Subsoil Drains.**	Keep As shown In 2024 UPC	**1101.6 Subsoil Drains.** Subsoil drains shall be provided around the perimeter of buildings having basements, cellars, crawl spaces, or floors below grade. Such subsoil drains shall be permitted to be positioned inside or outside of the footing, shall be of perforated or open-jointed approved drain tile or pipe, not less than 3 inches (80 mm) in diameter, and shall be laid in gravel, slag, crushed rock, approved 3⁄4 of an inch (19.1 mm) crushed, recycled glass aggregate, or other approved porous material with not less than 4 inches (102 mm) surrounding the pipe. Filter media shall be provided for exterior subsoil piping.	**1101.6 Subsoil Drains.** Subsoil drains shall be provided around the perimeter of buildings having basements, cellars, crawl spaces, or floors below grade. Such subsoil drains shall be permitted to be positioned inside or outside of the footing, shall be of perforated or open-jointed approved drain tile or pipe, not less than 3 inches (80 mm) in diameter, and shall be laid in gravel, slag, crushed rock, approved 3⁄4 of an inch (19.1 mm) crushed, recycled glass aggregate, or other approved porous material with not less than 4 inches (102 mm) surrounding the pipe. Filter media shall be provided for exterior subsoil piping.	9/4/2024		

Ad Hoc Code Review and Rulemaking Committee 2024 UPC Recommendations to the Board

Chapter 11 (Keep 2024 UPC)

Line #	Rules affected	Brief Title	Proposal and Committee recommendation	2024 UPC	2020 MPC 4714	Date of Committee review	Plumbing Board action/comments	(A)ccept (R)eject (M)odify
11		**1101.6.1 Discharge.**	Keep As shown In 2024 UPC	**1101.6.1 Discharge.** Subsoil drains shall be piped to a storm drain, to an approved water course, to the front street curb or gutter, to an alley, or the discharge from the subsoil drains shall be conveyed to the alley by a concrete gutter. Where a continuously flowing spring or groundwater is encountered, subsoil drains shall be piped to a storm drain or an approved water course.	**1101.6.1 Discharge.** Subsoil drains shall be piped to a storm drain, to an approved water course, to the front street curb or gutter, to an alley, or the discharge from the subsoil drains shall be conveyed to the alley by a concrete gutter. Where a continuously flowing spring or groundwater is encountered, subsoil drains shall be piped to a storm drain or an approved water course.	9/4/2024		
12		**1101.6.2 Sump.**	Keep As shown In 2024 UPC	**1101.6.2 Sump.** Where it is not possible to convey the drainage by gravity, subsoil drains shall discharge to an accessible sump provided with an approved automatic electric pump. The sump shall be not less than 15 inches (381 mm) in diameter, 18 inches (457 mm) in depth, and provided with a fitted cover. The sump pump shall have an adequate capacity to discharge water coming into the sump as it accumulates to the required discharge point, and the capacity of the pump shall be not less than 15 gallons per minute (gpm) (0.95 L/s). The discharge piping from the sump pump shall be not less than 11⁄2 inches (40 mm) in diameter and have a union or other approved quick-disconnect assembly to make the pump accessible for servicing.	**1101.6.2 Sump.** Where it is not possible to convey the drainage by gravity, subsoil drains shall discharge to an accessible sump provided with an approved automatic electric pump. The sump shall be not less than 15 inches (381 mm) in diameter, 18 inches (457 mm) in depth, and provided with a fitted cover. The sump pump shall have an adequate capacity to discharge water coming into the sump as it accumulates to the required discharge point, and the capacity of the pump shall be not less than 15 gallons per minute (gpm) (0.95 L/s). The discharge piping from the sump pump shall be not less than 11⁄2 inches (40 mm) in diameter and have a union or other approved quick-disconnect assembly to make the pump accessible for servicing.	9/4/2024		
13		**1101.6.3 Splash Blocks.**	Keep As shown In 2024 UPC	**1101.6.3 Splash Blocks.** For separate dwellings not serving continuously flowing springs or groundwater, the sump discharge pipe shall be permitted to discharge onto a concrete splash block with a minimum length of 24 inches (610 mm). This pipe shall be within 4 inches (102 mm) of the splash block and positioned to direct the flow parallel to the recessed line of the splash block.	**1101.6.3 Splash Blocks.** For separate dwellings not serving continuously flowing springs or groundwater, the sump discharge pipe shall be permitted to discharge onto a concrete splash block with a minimum length of 24 inches (610 mm). This pipe shall be within 4 inches (102 mm) of the splash block and positioned to direct the flow parallel to the recessed line of the splash block.	9/4/2024		
14		**1101.6.4 Backwater Valve**	Keep As shown In 2024 UPC	**1101.6.4 Backwater Valve.** Subsoil drains subject to backflow where discharging into a storm drain shall be provided with a backwater valve in the drain line so located as to be accessible for inspection and maintenance.	**1101.6.4 Backwater Valve.** Subsoil drains subject to backflow where discharging into a storm drain shall be provided with a backwater valve in the drain line so located as to be accessible for inspection and maintenance.	9/4/2024		
15		**1101.6.5 Open Area.**	Keep As shown In 2024 UPC	**1101.6.5 Open Area.** Nothing in Section 1101.6 shall prevent drains that serve either subsoil drains or areaways of a detached building from discharging to a properly graded open area, provided that:	**1101.6.5** Open Area. Nothing in Section 1101.6 shall prevent drains that serve either subsoil drains or areaways of a detached building from discharging to a properly graded open area, provided that:	9/4/2024		
16			Keep As shown In 2024 UPC	(1) They do not serve continuously flowing springs or groundwater.	(1) They do not serve continuously flowing springs or groundwater.	9/4/2024		
17			Keep As shown In 2024 UPC	(2) The point of discharge is not less than 10 feet (3048 mm) from a property line.	(2) The point of discharge is not less than 10 feet (3048 mm) from a property line.	9/4/2024		
18			Keep As shown In 2024 UPC	(3) It is impracticable to discharge such drains to a storm drain, to an approved water course, to the front street curb or gutter, or to an alley.	(3) It is impracticable to discharge such drains to a storm drain, to an approved water course, to the front street curb or gutter, or to an alley.	9/4/2024		
19		**1101.7 Building Subdrains.**	Keep As shown In 2024 UPC	**1101.7 Building Subdrains.** Building subdrains located below the public sewer level shall discharge into a sump or receiving tank, the contents of which shall be automatically lifted and discharged into the drainage system as required for building sumps.	**1101.7 Building Subdrains.** Building subdrains located below the public sewer level shall discharge into a sump or receiving tank, the contents of which shall be automatically lifted and discharged into the drainage system as required for building sumps.	9/4/2024		

Ad Hoc Code Review and Rulemaking Committee 2024 UPC Recommendations to the Board

Chapter 11 (Keep 2024 UPC)

Line #	Rules affected	Brief Title	Proposal and Committee recommendation	2024 UPC	2020 MPC 4714	Date of Committee review	Plumbing Board action/comments	(A)ccept (R)eject (M)odify
20		**1101.8 Areaway Drains.**	Keep As shown In 2024 UPC	**1101.8 Areaway Drains.** Open subsurface space adjacent to a building, serving as an entrance to the basement or cellar of a building, shall be provided with a drain or drains. The areaway drains shall be not less than 2 inches (50 mm) in diameter for areaways at a maximum of 100 square feet (9.29 m2) in area, and shall be discharged in the manner provided for subsoil drains not serving continuously flowing springs or groundwater (see Section 1101.6.1). Areaways exceeding 100 square feet (9.29 m2) shall not drain into subsoil drains. The drains for areaways exceeding 100 square feet (9.29 m2) shall be sized in accordance with Table 1103.2.	**1101.8 Areaway Drains.** Open subsurface space adjacent to a building, serving as an entrance to the basement or cellar of a building, shall be provided with a drain or drains. The areaway drains shall be not less than 2 inches (50 mm) in diameter for areaways at a maximum of 100 square feet (9.29 m2) in area, and shall be discharged in the manner provided for subsoil drains not serving continuously flowing springs or groundwater (see Section 1101.6.1). Areaways exceeding 100 square feet (9.29 m2) shall not drain into subsoil drains. The drains for areaways exceeding 100 square feet (9.29 m2) shall be sized in accordance with Table 1103.2.	9/4/2024		
21		**1101.9 Window Areaway Drains.**	Keep As shown In 2024 UPC	**1101.9 Window Areaway Drains.** Window areaways at a maximum of 10 square feet (0.93 m2) in area shall be permitted to discharge to the subsoil drains through a 2 inch (50 mm) diameter pipe. However, window areaways exceeding 10 square feet (0.93 m2) in area shall be handled in the manner provided for entrance areaways (see Section 1101.8).	**1101.9 Window Areaway Drains.** Window areaways at a maximum of 10 square feet (0.93 m2) in area shall be permitted to discharge to the subsoil drains through a 2 inch (50 mm) diameter pipe. However, window areaways exceeding 10 square feet (0.93 m2) in area shall be handled in the manner provided for entrance areaways (see Section 1101.8).	9/4/2024		
22		**1101.10 Filling Stations and Motor Vehicle Washing Establishments.**	Keep As shown In 2024 UPC	**1101.10 Filling Stations and Motor Vehicle Washing Establishments.** Public filling stations and motor vehicle washing establishments shall have the paved area sloped toward sumps or gratings within the property lines. Curbs not less than 6 inches (152 mm) high shall be placed where required to direct water to gratings or sumps.	**1101.10 Filling Stations and Motor Vehicle Washing Establishments.** Public filling stations and motor vehicle washing establishments shall have the paved area sloped toward sumps or gratings within the property lines. Curbs not less than 6 inches (152 mm) high shall be placed where required to direct water to gratings or sumps.	9/4/2024		
23		**1101.11 Paved Areas.**	Keep As shown In 2024 UPC	**1101.11 Paved Areas.** Where the occupant creates surface water drainage, the sumps, gratings, or floor drains shall be piped to a storm drain or an approved water course.	**1101.11 Paved Areas.** Where the occupant creates surface water drainage, the sumps, gratings, or floor drains shall be piped to a storm drain or an approved water course.	9/4/2024		
24		**1101.12 Roof Drainage**	Keep As shown In 2024 UPC	**1101.12 Roof Drainage.** Roof drainage shall comply with Section 1101.12.1 and Section 1101.12.2.	**1101.12 Roof Drainage.**	9/4/2024		
25		**1101.13 Cleanouts.**	Keep As shown In 2024 UPC	**1101.13 Cleanouts.** Cleanouts for building storm drains shall comply with the requirements of Section 719.0 of this code.	**1101.13 Cleanouts.** Cleanouts for building storm drains shall comply with the requirements of Section 719.0 of this code.	9/4/2024		
26		**1101.13.1 Rain Leaders and Conductors.**	Keep As shown In 2024 UPC	**1101.13.1 Rain Leaders and Conductors.** Rain leaders and conductors connected to a building storm sewer shall have a cleanout installed at the base of the leader or conductor before it connects to the horizontal drain.	**1101.13.1 Rain Leaders and Conductors.** Rain leaders and conductors connected to a building storm sewer shall have a cleanout installed at the base of the outside leader or outside conductor before it connects to the horizontal drain.	9/4/2024		
27		**1101.14 Rainwater Sumps**	Keep As shown In 2024 UPC	**1101.14 Rainwater Sumps.** Rainwater sumps serving "public use" occupancy buildings shall be provided with dual pumps arranged to function alternately in the case of overload or mechanical failure. Pumps rated 600 V or less shall comply with UL 778 and shall be installed in accordance with the manufacturer's installation instructions.	**1101.14 Rainwater Sumps.** Rainwater sumps serving "public use" occupancy buildings shall be provided with dual pumps arranged to function alternately in the case of overload or mechanical failure. Pumps rated 600 V or less shall comply with UL 778 and shall be installed in accordance with the manufacturer's installation instructions.	9/4/2024		

Ad Hoc Code Review and Rulemaking Committee 2024 UPC Recommendations to the Board

Chapter 11 (Keep 2024 UPC)

Line #	Rules affected	Brief Title	Proposal and Committee recommendation	2024 UPC	2020 MPC 4714	Date of Committee review	Plumbing Board action/comments	(A)ccept (R)eject (M)odify
28		**1101.15 Traps on Storm Drains and Leaders.**	Keep As shown In 2024 UPC	**1101.15 Traps on Storm Drains and Leaders.** Leaders and storm drains, where connected to a combined sewer, shall be trapped. Floor and area drains connected to a storm drain shall be trapped. Exception: Traps shall not be required where roof drains, rain leaders, and other inlets are at locations permitted under Section 906.0, Vent Termination.	**1101.15 Traps on Storm Drains and Leaders**. Leaders and storm drains, where connected to a combined sewer, shall be trapped. Floor and area drains connected to a storm drain shall be trapped. Exception: Traps shall not be required where roof drains, rain leaders, and other inlets are at locations permitted under Section 906.0, Vent Termination.	9/4/2024		
29		**1101.15.1 Where Not Required.**	Keep As shown In 2024 UPC	**1101.15.1 Where Not Required.** No trap shall be required for leaders or conductors that are connected to a sewer carrying storm water exclusively.	**1101.15.1 Where Not Required.** No trap shall be required for leaders or conductors that are connected to a sewer carrying storm water exclusively.	9/4/2024		
30		**1101.15.2 Trap Size.**	Keep As shown In 2024 UPC	**1101.15.2 Trap Size.** Traps, where installed for individual conductors, shall be the same size as the horizontal drain to which they are connected.	**1101.15.2 Trap Size.** Traps, where installed for individual conductors, shall be the same size as the horizontal drain to which they are connected.	9/4/2024		
31		**1101.15.3 Method of Installation of Combined Sewer. Individual**	Keep As shown In 2024 UPC	**1101.15.3 Method of Installation of Combined Sewer.** Individual storm-water traps shall be installed on the stormwater drain branch serving each storm-water inlet, or a single trap shall be installed in the main storm drain just before its connection with the combined building sewer. Such traps shall be provided with an accessible cleanout on the outlet side of the trap.	**1101.15.3 Method of Installation of Combined Sewer.** Individual storm-water traps shall be installed on the stormwater drain branch serving each storm-water inlet, or a single trap shall be installed in the main storm drain just before its connection with the combined building sewer. Such traps shall be provided with an accessible cleanout on the outlet side of the trap.	9/4/2024		
32		**1101.16 Leaders,**	Keep As shown In 2024 UPC	**1101.16 Leaders,** Conductors, and Connections. Leaders or conductors shall not be used as soil, waste, or vent pipes nor shall soil, waste, or vent pipes be used as leaders or conductors.	**1101.16 Leaders,** Conductors, and Connections. Leaders or conductors shall not be used as soil, waste, or vent pipes nor shall soil, waste, or vent pipes be used as leaders or conductors.	9/4/2024		
33		**1101.16.1 Protection of Leaders**	Keep As shown In 2024 UPC	**1101.16.1 Protection of Leaders.** Leaders installed along alleyways, driveways, or other locations where exposed to damage shall be protected by metal guards, recessed into the wall, or constructed from the ferrous pipe.	**1101.16.1 Protection of Leaders**. Leaders installed along alleyways, driveways, or other locations where exposed to damage shall be protected by metal guards, recessed into the wall, or constructed from the ferrous pipe.	9/4/2024		
34		**1101.16.2 Combining Storm with Sanitary Drainage.**	Keep As shown In 2024 UPC	**1101.16.2 Combining Storm with Sanitary Drainage.** The sanitary and storm drainage system of a building shall be entirely separate, except where a combined sewer is used, in which case the building storm drain shall be connected in the same horizontal plane through a single wye fitting to the combined building sewer not less than 10 feet (3048 mm) downstream from a soil stack.	**1101.16.2 Combining Storm with Sanitary Drainage.** The sanitary and storm drainage system of a building shall be entirely separate, except where a combined sewer is used, in which case the building storm drain shall be connected in the same horizontal plane through a single wye fitting to the combined building sewer not less than 10 feet (3048 mm) downstream from a soil stack.	9/4/2024		
35		**1102.0 Roof Drains.**	Keep As shown In 2024 UPC	**1102.0 Roof Drains.**	**1102.0 Roof Drains.**	9/4/2024		
36		**1102.1 Applications.**	Keep As shown In 2024 UPC	**1102.1 Applications.** Roof drains shall be constructed of aluminum, cast-iron, copper alloy of not more than 15 percent zinc, leaded nickel bronze, stainless steel, ABS, PVC, polypropylene, polyethylene, or nylon and shall comply with ASME A112.3.1 or ASME A112.6.4.	**1102.1 Applications.** Roof drains shall be constructed of aluminum, cast-iron, copper alloy of not more than 15 percent zinc, leaded nickel bronze, stainless steel, ABS, PVC, polypropylene, polyethylene, or nylon and shall comply with ASME A112.3.1 or ASME A112.6.4.	9/4/2024		
37		**1102.2 Dome Strainers Required.**	Keep As shown In 2024 UPC	**1102.2 Dome Strainers Required.** Roof drains shall have domed strainers. Exception: Roof drain strainers for use on sun decks, parking decks, and similar areas that are normally serviced and maintained, shall be permitted to be of the flat surface type. Such roof drain strainers shall be level with the deck.	**1102.2 Dome Strainers Required.** Roof drains shall have domed strainers. Exception: Roof drain strainers for use on sun decks, parking decks, and similar areas that are normally serviced and maintained, shall be permitted to be of the flat surface type. Such roof drain strainers shall be level with the deck.	9/4/2024		
38		**1102.3 Roof Drain Flashings.**	Keep As shown In 2024 UPC	**1102.3 Roof Drain Flashings.** The connection between the roof and roof drains that pass through the roof and into the interior of the building shall be made watertight by the use of proper flashing material.	**1102.3 Roof Drain Flashings.** The connection between the roof and roof drains that pass through the roof and into the interior of the building shall be made watertight by the use of proper flashing material.	9/4/2024		

Ad Hoc Code Review and Rulemaking Committee 2024 UPC Recommendations to the Board

Chapter 11 (Keep 2024 UPC)

Line #	Rules affected	Brief Title	Proposal and Committee recommendation	2024 UPC	2020 MPC 4714	Date of Committee review	Plumbing Board action/comments	(A)ccept (R)eject (M)odify
39		**1102.3.1 Lead Flashing.**	Keep As shown In 2024 UPC	**1102.3.1 Lead Flashing.** Where lead flashing material is used, it shall be not less than 4 pounds per square foot (lb/ft2) (19 kg/m2).	**1102.3.1 Lead Flashing.** Where lead flashing material is used, it shall be not less than 4 pounds per square foot (lb/ft2) (19 kg/m2).	9/4/2024		
40		**1102.3.2 Copper Flashing.**	Keep As shown In 2024 UPC	**1102.3.2 Copper Flashing.** Where copper flashing material is used, it shall be not less than 12 ounces per square foot (oz/ft2) (3.7 kg/m2).	**1102.3.2 Copper Flashing.** Where copper flashing material is used, it shall be not less than 12 ounces per square foot (oz/ft2) (3.7 kg/m2).	9/4/2024		
41		**1103.0 Size of Leaders, Conductors, and Storm Drains.**	Keep As shown In 2024 UPC	**1103.0 Size of Leaders, Conductors, and Storm Drains.**	**1103.0 Size of Leaders, Conductors, and Storm Drains.**	9/4/2024		
42		**1103.3 Size of Roof Gutters.**	Keep As shown In 2024 UPC	**1103.3 Size of Roof Gutters.** The size of semi-circular gutters shall be based on the maximum projected roof area and Table 1103.3.	*NA*	9/4/2024		
43		**1103.4 Side Walls Draining onto a Roof.**	Keep As shown In 2024 UPC	**1103.4 Side Walls Draining onto a Roof.** Where vertical walls project above a roof to permit storm water to drain into the roof area below, the adjacent roof area shall be permitted to be computed from Table 1103.1 as follows:	**1103.4 Side Walls Draining onto a Roof**. Where vertical walls project above a roof to permit storm water to drain into the roof area below, the adjacent roof area shall be permitted to be computed from Table 1103.1 as follows:	9/4/2024		
44			Keep As shown In 2024 UPC	(1) For one wall – add 50 percent of the wall area to the roof area figures.	(1) For one wall – add 50 percent of the wall area to the roof area figures.	9/4/2024		
45			Keep As shown In 2024 UPC	(2) For two adjacent walls of equal height – add 35 percent of the total wall areas.	(2) For two adjacent walls of equal height – add 35 percent of the total wall areas.	9/4/2024		
46			Keep As shown In 2024 UPC	(3) For two adjacent walls of unequal height – add 35 percent of the total common height and add 50 percent of the remaining height of the highest wall.	(3) For two adjacent walls of unequal height – add 35 percent of the total common height and add 50 percent of the remaining height of the highest wall.	9/4/2024		
47			Keep As shown In 2024 UPC	(4) Two opposite walls of same height – add no additional area.	(4) Two opposite walls of same height – add no additional area.	9/4/2024		
48			Keep As shown In 2024 UPC	(5) Two opposite walls of differing heights – add 50 percent of the wall area above the top of the lower wall.	(5) Two opposite walls of differing heights – add 50 percent of the wall area above the top of the lower wall.	9/4/2024		
49			Keep As shown In 2024 UPC	(6) Walls on three sides – add 50 percent of the area of the inner wall below the top of the lowest wall, plus an allowance for the area of the wall above the top of the lowest wall, in accordance with Section 1103.4(3) and Section 1103.4(5) above.	(6) Walls on three sides – add 50 percent of the area of the inner wall below the top of the lowest wall, plus an allowance for the area of the wall above the top of the lowest wall, in accordance with Section 1103.4(3) and Section 1103.4(5) above.	9/4/2024		
50			Keep As shown In 2024 UPC	(7) Walls on four sides – no allowance for wall areas below the top of the lowest wall – add for areas above the top of the lowest wall in accordance with Section 1103.4(1), Section 1103.4(3), Section 1103.4(5), and Section 1103.4(6) above.	(7) Walls on four sides – no allowance for wall areas below the top of the lowest wall – add for areas above the top of the lowest wall in accordance with Section 1103.4(1), Section 1103.4(3), Section 1103.4(5), and Section 1103.4(6) above.	9/4/2024		
51		**TABLE 1103.1 SIZING ROOF DRAINS, LEADERS, AND VERTICAL RAINWATER PIPING2, 3**	Keep As shown In 2024 UPC	**TABLE 1103.1 SIZING ROOF DRAINS, LEADERS, AND VERTICAL RAINWATER PIPING2, 3**		9/4/2024		
52		**1104.0 Values for Continuous Flow.**	Keep As shown In 2024 UPC	**1104.0 Values for Continuous Flow.**	**1104.0 Values for Continuous Flow.**	9/4/2024		
53		**1104.1 General.**	Keep As shown In 2024 UPC	**1104.1 General.** Where there is a continuous or semi-continuous discharge into the building storm drain or building storm sewer, as from a pump, ejector, air-conditioning plant, or similar device, 1 gpm (0.06 L/s) of such discharge shall be computed as being equivalent to 24 square feet (2.2 m2) of roof area, based upon a rate of rainfall of 4 inches per hour (in/h) (102 mm/h).	**1104.1 General.** Where there is a continuous or semi-continuous discharge into the building storm drain or building storm sewer, as from a pump, ejector, air-conditioning plant, or similar device, 1 gpm (0.06 L/s) of such discharge shall be computed as being equivalent to 24 square feet (2.2 m2) of roof area, based upon a rate of rainfall of 4 inches per hour (in/h) (102 mm/h).	9/4/2024		

Ad Hoc Code Review and Rulemaking Committee 2024 UPC Recommendations to the Board

Chapter 11 (Keep 2024 UPC)

Line #	Rules affected	Brief Title	Proposal and Committee recommendation	2024 UPC	2020 MPC 4714	Date of Committee review	Plumbing Board action/comments	(A)ccept (R)eject (M)odify
54		**1105.0 Controlled-Flow Roof Drainage.**	Keep As shown In 2024 UPC	**1105.0 Controlled-Flow Roof Drainage.**	**1105.0 Controlled-Flow Roof Drainage.**	9/4/2024		
55		**TABLE 1105.1(1) CONTROLLED-FLOW MAXIMUM ROOF WATER DEPTH**	Keep As shown In 2024 UPC	**TABLE 1105.1(1) CONTROLLED-FLOW MAXIMUM ROOF WATER DEPTH**	**TABLE 1105.1(1) CONTROLLED-FLOW MAXIMUM ROOF WATER DEPTH**	9/4/2024		
56		**TABLE 1105.1(2) DISTANCE OF SCUPPER BOTTOMS ABOVE ROOF**	Keep As shown In 2024 UPC	**TABLE 1105.1(2) DISTANCE OF SCUPPER BOTTOMS ABOVE ROOF**	**TABLE 1105.1(2) DISTANCE OF SCUPPER BOTTOMS ABOVE ROOF**	9/4/2024		
57		**1105.2 Setback Roofs.**	Keep As shown In 2024 UPC	**1105.2 Setback Roofs.** Drains on setback roofs shall be permitted to be connected to the controlled-flow drainage systems provided:	**1105.2 Setback Roofs.** Drains on setback roofs shall be permitted to be connected to the controlled-flow drainage systems provided:	9/4/2024		
58			Keep As shown In 2024 UPC	(1) The setback is designed for storing water, or	(1) The setback is designed for storing water, or	9/4/2024		
59			Keep As shown In 2024 UPC	(2) The square footage of the setback drainage area is converted as outlined in Section 1105.0 to gpm, and the storm-water pipe sizes in the controlled-flow system are based on the sum of the loads.	(2) The square footage of the setback drainage area is converted as outlined in Section 1105.0 to gpm, and the storm-water pipe sizes in the controlled-flow system are based on the sum of the loads.	9/4/2024		
60			Keep As shown In 2024 UPC	(3) The branch from each of the roof drains that are not provided with controlled flow shall be sized in accordance with Table 1103.1.	(3) The branch from each of the roof drains that are not provided with controlled flow shall be sized in accordance with Table 1103.1.	9/4/2024		
61		**1106.0 Engineered Storm Drainage System.**	Keep As shown In 2024 UPC	**1106.0 Engineered Storm Drainage System.**		9/4/2024		
62		**1106.1 General.**	Keep As shown In 2024 UPC	**1106.1 General.** The design and sizing of a storm drainage system shall be permitted to be determined by accepted engineering practices. The system shall be designed by a registered design professional and approved in accordance with Section 301.5.		9/4/2024		
63		**1106.2 Siphonic Roof Drainage Systems.**	Keep As shown In 2024 UPC	**1106.2 Siphonic Roof Drainage Systems.** The design of a siphonic roof drainage system shall comply with ASPE/ANSI 45.	**1106.0 Siphonic Roof Drainage System.**	9/4/2024		
64		**1106.3 Siphonic Roof Drains.**	Keep As shown In 2024 UPC	**1106.3 Siphonic Roof Drains.** Siphonic roof drains shall comply with ASME A112.6.9.		9/4/2024		
65		**1107.2.1 Water Test.**	Keep As shown In 2024 UPC	**1107.2.1 Water Test.** After piping has been installed, the water test shall be applied to the drainage system, either to the entire system or sections. Where the test is applied to the entire system, all openings in the piping shall be tightly closed except for the highest opening, and the system shall be filled with water to the point of overflow. Where the system is tested in sections, each opening shall be tightly plugged except for the highest opening of the section under test, and each section shall be filled with water, but no section shall be tested with less than a 10 foot (3048 mm) head of water. In testing successive sections, not less than the upper 10 feet (3048 mm) of the next preceding section shall be tested so that no joint of pipe in the building except the uppermost 10 feet (3048 mm) of a roof drainage system, which shall be filled with water to the flood level of the uppermost roof drain, shall have been submitted to a test of less than 10 foot (3048 mm) head of water. The water shall be kept in the system or the portion of the test for not less than 15 minutes before inspection starts; the system shall then be tight.	**1107.2.1 Water Test.** After piping has been installed, the water test shall be applied to the drainage system, either to the entire system or sections. Where the test is applied to the entire system, all openings in the piping shall be tightly closed except for the highest opening, and the system shall be filled with water to the point of overflow. Where the system is tested in sections, each opening shall be tightly plugged except for the highest opening of the section under test, and each section shall be filled with water, but no section shall be tested with less than a 10 foot (3048 mm) head of water. In testing successive sections, not less than the upper 10 feet (3048 mm) of the next preceding section shall be tested so that no joint of pipe in the building except the uppermost 10 feet (3048 mm) of a roof drainage system, which shall be filled with water to the flood level of the uppermost roof drain, shall have been submitted to a test of less than 10 foot (3048 mm) head of water. The water shall be kept in the system or the portion of the test for not less than 15 minutes before inspection starts; the system shall then be tight.	9/4/2024		

Ad Hoc Code Review and Rulemaking Committee 2024 UPC Recommendations to the Board Chapter 11 (Keep 2024 UPC)								
Line #	**Rules affected**	**Brief Title**	**Proposal and Committee recommendation**	**2024 UPC**	**2020 MPC 4714**	**Date of Committee review**	**Plumbing Board action/comments**	**(A)ccept (R)eject (M)odify**
66		**1107.2.2 Air Test.**	Keep As shown In 2024 UPC	**1107.2.2 Air Test.** The air test shall be made by attaching an air compressor testing apparatus to a suitable opening after closing other inlets and outlets to the system, forcing air into the system until there is a uniform gauge pressure of 5 pounds-force per square inch (psi) (34 kPa) or sufficient pressure to balance a column of mercury 10 inches (34 kPa) in height. This pressure shall be held without the introduction of additional air for not less than 15 minutes.	**1107.2.2 Air Test.** The air test shall be made by attaching an air compressor testing apparatus to a suitable opening after closing other inlets and outlets to the system, forcing air into the system until there is a uniform gauge pressure of 5 pounds-force per square inch (psi) (34 kPa) or sufficient pressure to balance a column of mercury 10 inches (34 kPa) in height. This pressure shall be held without the introduction of additional air for not less than 15 minutes	9/4/2024		
67		**TABLE 1103.1 SIZING ROOF DRAINS, LEADERS, AND VERTICAL RAINWATER PIPING2**	Keep As shown In 2024 UPC	TABLE 1103.1 SIZING ROOF DRAINS, LEADERS, AND VERTICAL RAINWATER PIPING2	TABLE 1103.1 SIZING ROOF DRAINS, LEADERS, AND VERTICAL RAINWATER PIPING2	9/4/2024		
68		**TABLE 1103.2 SIZING OF HORIZONTAL RAINWATER PIPING1, 2**	Keep As shown In 2024 UPC	TABLE 1103.2 SIZING OF HORIZONTAL RAINWATER PIPING1, 2	TABLE 1103.2 SIZING OF HORIZONTAL RAINWATER PIPING1	9/4/2024		