

CHAPTER 8

INDIRECT WASTES

801.0 Indirect Wastes.

801.1 Airgap or Airbreak Required. Indirect waste piping shall discharge into the building drainage system through an airgap or airbreak as set forth in this code. Where a drainage airgap 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 25mm (1 in.).

801.2 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.

801.2.1 Except for refrigeration coils and ice-making machines, the size of the indirect waste pipe shall be not less than the drain on the unit, but shall be not less than 25mm (1 in.), and the maximum developed length shall not exceed 4.5m (15 ft.). Indirect waste pipe for ice-making machines shall be not less than the drain on the unit, but shall be not less than 20mm (0.75 in.).

801.2.2 For walk-in coolers, floor drains shall be permitted to be connected to a separate drainage line discharging into an outside receptor. The flood-level rim of the receptor shall be not less than 15cm (6 in.) lower than the lowest floor drain. Such floor drains shall be trapped and individually vented. Cleanouts shall be provided at every turn equal to 1.6 of a radian (90 degrees) and shall be accessibly located. Such waste shall discharge through an airgap or airbreak into a trapped and vented receptor, except that a full-size airgap is required where the indirect waste pipe is under vacuum.

801.2.3 Food-preparation sinks, steam kettles, potato peelers, ice cream dipper wells, and similar equipment shall be indirectly connected to the drainage system by means of an airgap. Bins, sinks, 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 airgap. Each indirect waste pipe from food-handling fixtures or equipment shall be separately piped to the indirect waste receptor and shall not

combine with other indirect waste pipes. The piping from the equipment to the receptor shall be not less than the drain on the unit, and it shall be not less than 15mm (1/2 in.).

801.3 Sink Traps. Where the sink in a coffee shop or counter is so located that the trap serving the sink cannot be vented, the sink drain shall discharge through an airgap or airbreak (see Section 801.2.3) into an approved receptor that is vented. The developed length from the fixture outlet to the receptor shall not exceed 1.5m (5 ft.).

801.4 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 by means of a water-distribution airgap, constructed in accordance with Table 6-3.

801.5 Sterilizers. Lines, devices, or apparatus such as stills, sterilizers, and similar equipment requiring waste connections and used for sterile materials shall be indirectly connected by means of an airgap. Each such indirect waste pipe shall be separately piped to the receptor and shall not exceed 4.5m (15 ft.). Such receptors shall be located in the same room.

801.6 Drip or Drainage Outlets. Appliances, devices, or apparatus not regularly classified as plumbing fixtures, but which have drip or drainage outlets, shall be permitted to be drained by indirect waste pipes discharging into an open receptor through either an airgap or airbreak (see Section 801.2.1).

802.0 Approvals.

No plumbing fixtures served by indirect waste pipes or receiving discharge therefrom shall be installed until first approved by the Authority Having Jurisdiction.

803.0 Indirect Waste Piping.

Except as hereinafter provided, the size and construction 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 any sewer-connected vent, but shall extend separately to the outside air. Indirect waste pipes exceeding 1.5m (5ft.), but less than 4.5m (15 ft.) in length shall be directly trapped, but such traps need not be vented.