702.14 Self-service vehicle wash facilities. Spray wand nozzles used at self-service vehicle wash facilities shall discharge not more than 3 gpm (11.4 Lpm). Faucets for chamois wringer sinks shall be of the self-closing type.

702.15 Vehicle washing facilities. Waste water from reverse osmosis water treatment systems installed in vehicle washing facilities shall discharge to the washing phase water holding tank.

702.16 Food waste disposers. The water flow into a commercial food waste disposer in a food establishment shall be controlled by a load-sensing device such that the water flow does not exceed 1 gpm (3.78 Lpm) under no-load operating conditions and 8 gpm (30.2 Lpm) under full-load operating conditions.

702.17 [Reserved]

702.18 [Reserved]

702.19 [Reserved]

702.20 [Reserved]

SECTION 703
HVAC SYSTEMS AND EQUIPMENT

703.1 [Reserved]

703.2 [Reserved]

703.3 [Reserved]

703.4 Condensate drainage recovery. For new construction and Level 3 *alteration* projects with individual HVAC equipment that is 20 tons or larger, and where a water reclamation system is being installed or already in place to collect and reuse condensate, condensate shall be collected and reused onsite for applications such as, but not limited to, water features, fountains, green roofs, graywater collection systems and rainwater collection systems

703.5 Heat exchangers. Once-through cooling shall be prohibited. Heat exchangers shall be connected to a recirculating water system such as a chilled water loop, cooling tower loop or similar recirculating system.

703.6 [Reserved]

703.7 Cooling towers, evaporative condensers and fluid coolers. Cooling towers, evaporative condensers, and fluid coolers shall be installed in accordance with the requirements of Section 908 of the *Mechanical Code*.

703.7.1 Location. Cooling towers, evaporative condensers and fluid coolers shall be located on the property as required for buildings in accordance with the *Building Code* and shall be located so as to prevent the discharge vapor plumes from entering occupied spaces. Plume discharges shall be not less than 5 feet (1524 mm) above and 20 feet (6096 mm) away from any ventilation inlet to a building.

703.7.2 Once-through cooling. The use of potable water for once-through or single-pass cooling operations is prohibited.

703.7.3 Metering. The metering of mechanical systems, system components, equipment and appliances shall be conducted in accordance with Section 705.1.

703.7.4 Controllers and alarms. Cooling towers, evaporative condensers, and fluid coolers shall be equipped with conductivity controllers and overflow alarms.

703.7.5 [Reserved]

703.7.6 Water quality. Where nonpotable water is used within cooling towers, evaporative condensers and fluid coolers, it shall conform to the water quality and treatment requirements of the jurisdiction having authority and the water chemistry guidelines recommended by the equipment manufacturers.

703.7.7 Discharge. The discharge water from cooling towers used for air-conditioning systems shall be in compliance with Table 703.7.7. Where the discharge water is not captured for reuse, it shall be discharged and treated in accordance with jurisdictional requirements, if applicable.

Exception: Discharge water with total dissolved solids in excess of 1,500 ppm (1,500 mg/L), or silica in excess of 120 ppm (120 mg/L) measured as silicon dioxide shall not be required to meet the minimum parameters specified in Table 703.7.7.

TABLE 703.7.7
MINIMUM CYCLES OF CONCENTRATION FOR DISCHARGE WATER

MAKEUP WATER TOTAL HARDNESS (mg/L)[a]	MINIMUM CYCLES OF CONCENTRATION
< 200	5
≥ 200	3.5

a. Total hardness concentration expressed as calcium carbonate.

703.8 [Reserved]

703.9 Evaporative cooling. Evaporative cooling systems shall use less than 4 gallons of water per ton-hour (12 L per kWh) of cooling capacity when system controls are set to the maximum water use. The amount of water use shall be expressed in maximum water use per ton-hour (kWh) of cooling capacity and shall be marked on the equipment, included in product user manuals, included in product information literature and included in manufacturer's instructions. Water use information shall be readily available at the time of code compliance inspection.

703.9.1 Overflow alarm. Cooling systems shall be equipped with an overflow alarm to alert building owners, tenants or maintenance personnel when the water refill valve continues to allow water to flow into the reservoir when the reservoir is full. The alarm shall have a minimum sound pressure level rating of 85 dB measured at a distance of 10 feet (3048 mm).

703.9.2 Automatic pump shutoff. Cooling systems shall automatically cease pumping water to the evaporation pads when sensible heat reduction is not needed.

703.9.3 Cooler reservoir discharge. A water quality management system such as a timer or water quality sensor shall be required. Where timers are used, the time