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| **MECHANICAL**  **Local Amendments**  **To the**  **8th Edition 2023 Florida Building Code** | | | |
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| **JURISDICTION** | **DOCUMENT with**  **TECHNICAL**  **AMENDMENTS** | **TEXT OF TECHNICAL AMENDMENETS** | **TAC REVIEW** |
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| Broward County | Mechanical  <https://floridabuilding.org/Upload/FBC/CodeID_7786_b6c3_Brwoard%20Cnty%20Local%20Amends%208th%20Ed%202023%20FBC%20MECHANICAL%20Ch%203-Ch9%20-Ch%2015-2023-12-29.pdf> | **SECTION 307 CONDENSATE DISPOSAL**  **Section 307.2 Evaporators and cooling coils**  **Section 307.2.1 Condensate disposal.**  Condensate from all cooling coils and evaporators of equipment served by an onsite cooling tower in a building or structure wherein the aggregate cooling capacity of the equipment exceeds 65,000 Btu/hr shall be collected and conveyed from the drain pan outlet and discharged to the cooling tower. Where an on-site cooling tower is not  installed, the condensate from all cooling coils and evaporators shall be conveyed from the drain pan outlet to an approved place of disposal. Such piping shall maintain a minimum horizontal slope in the direction of discharge of not less than one-eighth unit vertical in 12 units horizontal (1-percent slope). Condensate shall not discharge into a  street, alley, or other areas so as to cause a nuisance.  **Exceptions:**  1. Condensate from cooling coils and evaporators is not required to be collected and conveyed to an on-site cooling tower, provided 1.1 through 1.3 are met:  1.1 The equipment comprises 10% or less of the total capacity of the cooling tower  system,  1.1 The equipment is located in an isolated or remote area,  1.2 The size of the equipment is 65,000 Btu/hr or less.  2. In existing buildings, condensate may be collected and conveyed to a cooling tower or  discharged to an approved place of disposal. |  |
| Broward County |  | **CHAPTER 9 SPECIFIC APPLIANCES, FIREPLACES, AND SOLID FUEL-BURNING EQUIPMENT**  **SECTION 908 COOLING TOWERS, EVAPORATIVE CONDENSERS, AND FLUID COOLERS**  **Section 908.3 Location.**  Cooling towers, evaporative condensers, and fluid coolers shall be located to prevent the discharge  vapor plumes from entering occupied spaces. Plume discharges shall be not less than 5 feet (1524  mm) above or 20 feet (6096 mm) away from any ventilation inlet to a building. Location on the property  shall be as required for buildings in accordance with the Florida Building Code, Building.  **Section 908.3.1** Sitting of cooling towers shall comply with Section 7.2.1 of ASHRAE 188-2021.  Exception: The replacement of existing cooling towers on previously permitted and approved locations.  **CHAPTER 15 REFERENCED STANDARDS**  **ASHRAE** American Society of Heating, Refrigerating  and Air-Conditioning Engineers, Inc.  1791 Tullie Circle, NE  Atlanta, GA 30329  Standard Reference Number Title Referenced in Code  Section Number  **ASHRAE—2021** ASHRAE Fundamentals Handbook 603.2  15—2019 Safety Standard for Refrigeration 1101.6, 1105.8, 1108.1  Systems    34—2019 Designation and Safety Classification 202, 1102.2.1, 1103.1  of Refrigerants  62.1—2019 Ventilation for Acceptable Indoor Air Quality 403.3.1.1.2.3.2  170—2017 Ventilation of Health Care Facilities 407  ANSI/AMCA 210- ANSI/ASHRAE Laboratory Methods of Testing Fans 403.3.2.4  51—16 for Aerodynamic Performance Rating  188-2021 Legionellosis: 908.3.1  Risk Management for Building Water Systems |  |

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| Broward County |  | **CHAPTER 9 SPECIFIC APPLIANCES, FIREPLACES, AND SOLID FUEL-BURNING**  **EQUIPMENT**  **SECTION 908 COOLING TOWERS, EVAPORATIVE CONDENSERS, AND FLUID COOLERS**  **Section 908.8 Cooling Towers**  Cooling towers, both open-circuit and closed-circuit type, and evaporative condensers shall comply with Sections 908.8.1 and 908.8.2 through 908.8.3.  **Exception**: Cooling water tower systems utilizing reclaimed water for the total amount of makeup water are exempt from the provisions of Sections 908.8.1 through 908.8.3 Florida Building Code.  Section 908.8.1 **Conductivity ~~or~~ and flow-based control of cycles of concentration**.  ~~Cooling towers and evaporative condensers shall include controls that automate system bleed based on conductivity, fraction of metered makeup volume, metered bleed volume, recirculating pump run time, or bleed time~~. New cooling towers, and evaporative condensers, including replacements, shall be operated with conductivity controllers, as well as, make-up and blowdown (bleed off) meters, and shall achieve a minimum of 8 cycles of concentration.  **Section 908.8.2 Drift eliminators.** Cooling towers and evaporative condensers shall be  equipped with drift eliminators that have a maximum drift rate of ~~0.005 percent of the circulated water flow rate as established in the equipment’s design specifications~~ 0.002% of the recirculated water volume for counterflow towers and 0.005% of the recirculated water flow for crossflow towers.  **Section 908.8.3** An affidavit of compliance demonstrating compliance with section  **908.8.1** Florida Building Code, Mechanical, shall be submitted by the property  manager/owner to the local water provider every 12 months following system installation. The affidavit shall be signed by the service provider and include all dates of service within the reporting period and verified system operation at a minimum of 8 cycles of concentration |  |
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| Pinellas County Construction Licensing Board (PCCLB) | **Residential**  <https://floridabuilding.org/Upload/FBC/CodeID_7844_63fb_4.PC.RESIDENTIAL_M1411.3.pdf> | **M1411.3 Condensate disposal**. Condensate from cooling coils and evaporators shall be conveyed from the drain pan outlet to an approved place of disposal. Such piping shall maintain a minimum horizontal slope in the direction of discharge of not less than 1/8 unit vertical in 12 units horizontal (1-percent slope). Condensate shall not discharge into a street, alley or other areas where it would cause a nuisance. **All primary condensate drain lines installed within unconditioned areas shall be insulated with insulation having a thermal resistivity of not less than R-3.** |  |

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