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| **MECHANICAL**  **TAC ACTION/Votes**  **Local Technical amendments**  **to the**  **2020 7th Edition Florida Building Code** | | | |
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| **JURISDICTION** | **DOCUMENT with TECHNICAL AMENDMENT** | **SUMMARY OF TECHNICAL AMENDMENT** | **TAC ACTION/VOTE** |
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| Pinellas County Construction Industry Licensing Board  (PCCLB) | FBC –  Residential  M1411.3 | 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. Local Conditions and Need: This amendment requires all horizontal primary condensate drain within  unconditioned areas shall be insulated. | VOTE: |
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| County of Broward | FBC – Mechanical  Sec 314.2.1 | **SECTION 314 CONDENSATE DISPOSAL**  **[M] 314.2.1 Condensate drainage collection, use 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.  With Exceptions: (see details) | VOTE: |
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| County of Broward | FBC – Mechanical  Sec 307 | **SECTION 307 CONDENSATE DISPOSAL**  **307.2.1 Condensate drainage collection, use or 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. | VOTE: |
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| County of Broward | FBC – Mechanical  Sec 908.3 | 908.3.1 Sitting of cooling towers shall comply with Section 7.2.1 of ASHRAE 188-2018.  Exception: The replacement of existing cooling towers on previously permitted and approved locations.  **CHAPTER 15 REFERENCED STANDARDS**  188-2018 Legionellosis:  Risk Management for  Building Water Systems 908.3.1 | VOTE: |
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| County of Broward | FBC – Mechanical  sec 908.8 | **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~~ thru 908.8.3.  **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.  **908.8.2 Drift eliminators.** Cooling towers and evaporative condensers shall be equipped with drift eliminators that have a maximum drift rate of 0.002% of the recirculated water volume for counter flow towers and 0.005% of the recirculated water flow for crossflow towers ~~as established in the equipment’s design specifications~~.  **908.8.3** An affidavit of compliance demonstrating compliance with section 908.5 Florida Building Code 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.  Exception: Cooling water tower systems utilizing reclaimed water for the total amount of makeup water are exempt from the provisions of section 908.8.1 thru 908.8.3 Florida Building Code. | VOTE: |
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