

To ensure that the circulation water is always safe and clean, treated water must be used and legionella risk assessment must be evaluated as outlined in *Regulation 406.01: Legionella Bacteria and Building Water Systems*.

ASHRAE Handbook—HVAC Applications, Chapter 52: Evaporative Cooling, provides additional guidance on evaporative cooling.

COMPLIANCE DOCUMENTATION

Table 502.19(1): Documents Required

Project Stages	Submittal Documents
Design Permit Application	<ol style="list-style-type: none"> 1. Air-conditioning layout for parking spaces. 2. Indirect evaporative cooling system specification. 3. Condensate water calculation (if applicable).
Construction Completion Application	<ol style="list-style-type: none"> 1. Final approved layout showing the location of evaporative cooling system and capacity. 2. Indirect evaporative cooling system technical data-sheet.
After Completion	<ol style="list-style-type: none"> 1. Performance and commissioning report.

REFERENCES AND ADDITIONAL INFORMATION

American Society of Heating, Refrigerating and Air-Conditioning Engineers. (2015). ASHRAE Handbook—HVAC Applications: Chapter 52, Evaporative Cooling.

Zhiyin Duan, Changhong Zhan, Xingxing Zhang, Mahmud Mustafa, Xudong Zhao, Behrang Alimohammadisagv, Ala Hasan c. (2012). Indirect evaporative cooling past, present and future potentials. *Renewable and Sustainable Energy Reviews* 16 (2012) 6823–6850.