ISO 9001 COMPANY

B.A.C.

PRODUCT REPORT

PRD51/00

Basinless Series 3000 Construction Option Extends Equipment Life, Reduces Installation and Maintenance Costs

Mounts Directly to New or Existing Concrete Basins

Six cell installation on concrete basin

- **EXTENDS EQUIPMENT LIFE**
- **REDUCES INSTALLATION COSTS**
- **REDUCES MAINTENANCE COSTS**
- **COMPLEMENTS SEISMIC REQUIREMENTS**
- **IDEAL FIELD-ERECTED ALTERNATIVE**

The Basinless Unit Construction Option enables Series 3000 Cooling Towers to be directly applied to projects utilizing new or existing concrete cold water basins. This custom feature, available exclusively on BAC Series 3000 Cooling Towers, extends equipment life, reduces installation and maintenance costs for units mounted to concrete basins, complements stringent equipment seismic requirements, and provides a cost-effective alternative for many field-erected cooling tower projects.

EXTENDS EQUIPMENT LIFE

Premature failure of integral steel cold water basins is a leading cause of cooling tower replacement. Replacement of the integral steel basin with a concrete cold water basin (furnished by others) eliminates a leading cause of premature cooling tower replacement.

REDUCES INSTALLATION COSTS

Basinless units mount directly to piers or columns in new or existing concrete basins (furnished by others), eliminating the expenses associated with steel support structures. For multi-cell installations, the costs and complexity associated with the extensive piping, valving and equalization requirements of multiple, individual integral cold water basins is eliminated.

REDUCES MAINTENANCE COSTS

The integral basin of conventional units can become a redundant component on equipment applied for remote sump operation. The basinless construction option eliminates the maintenance requirements of this area and provides easy access to the concrete cold water basin through large access doors on both end walls of the unit.

COMPLEMENTS SEISMIC REQUIREMENTS

At-grade installed equipment is subjected to less stringent seismic forces as determined by the 1997 Uniform Building Code. Concrete basins, installed at grade, provide rigid anchorage for cooling tower structures, enabling improved resistance to seismic forces.

IDEAL ALTERNATIVE TO FIELD-ERECTED COOLING TOWERS

Basinless units provide an ideal alternative for new or replacement field-erected cooling towers constructed on concrete basins. The basinless option permits the thermal performance assurance of CTI certified cooling towers, and the consistent quality of factory-assembled equipment, to be installed in a fraction of the time and expense associated with field-erected alternatives.

Suggested Specification:

The cooling tower shall be furnished without an integral cold water basin and be designed for mounting directly to piers or columns in concrete cold water basin furnished by others. Manufacturer shall submit recommended design details for the concrete cold water basin and coordinate with installing contractor to ensure basin is compatible with manufacturer's suggested support requirements. Cooling towers with integral steel cold water basins shall not be accepted.

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