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The Revit product family for the Marley® MD cooling tower ("MD") provides the basic geometry and typical pipe connections for each unit size of the product line. The product family is compatible with Revit version 2012 and later, and may be downloaded at http://spxcooling.com/revit.

Inlet Connections
All model sizes of the MD have a single inlet connection per cell. The standard inlet location is on face A, but face B, C, or D may be alternately selected. Only one of the inlets should be connected; the others should be ignored or deleted. On models MD5006, MD5008 and MD5010, the water inlet and the motor cannot be located on the same face. The inlet size defaults to a commonly used pipe diameter for the unit size selected. Actual inlet size may vary depending on the design flow rate, and should be confirmed in the quotation.

Outlet Connections
Three types of outlet connections are included in this product family: side suction outlet (face A), bottom outlet, and end suction outlet (face B or D). Only one of the outlets should be connected; the others should be ignored or deleted. Outlet size defaults to a commonly used pipe diameter for the unit size selected. Actual outlet size may vary depending on the design flow rate, and should be confirmed in the quotation. The MD has an option for a sump outlet which is not included in this model.

Motor Face
The fan motor may be configured on either face A or face C. A plenum access door is provided on the motor face to allow access to the interior mechanical equipment, drift eliminators and spray system. If an optional mechanical access platform is selected, it will be installed on the same face as the motor. On models MD5006, MD5008 and MD5010, the motor is external to the airstream and cannot be located on the same face as the water inlet.

Optional Accessories
The following optional accessories are selectable parameters in the Structural category:

Ultra Quiet Fan
Mechanical Access Platform on Face A
Mechanical Access Platform on Face C

Mechanical Access Platforms are only available on the motor face. Other optional accessories may alter or prevent the use of these options and/or increase the size of the unit.

SPX COOLING TECHNOLOGIES, INC.
7401 WEST 129 STREET
OVERLAND PARK, KANSAS 66213
UNITED STATES

TEL | 913 | 664 | 7400
FAX | 913 | 664 | 7439

spxcooling.com

Multiple Cells
Multiple instances of the MD product family may be inserted into the Revit project for installations having multiple cells. Ensure the proper Revit model is selected, including applicable cell count, as tower height may vary depending on the number of cells in the final installation. Inline arrangements are the most common, and are characterized by face B of one cell being oriented towards face D of the next cell. Face B and face D are shorter than faces A and C. Some model sizes may also be arranged back to back, with face A of one cell oriented towards face C of the next cell. Cells arranged in this fashion must have either face A or face C open. Model sizes that can be oriented back to back can also be configured in a Quad arrangement, which is a four-cell combination of inline and back to back cells.

Standard center-to-center cell spacings are listed by model size in the table below.

	Center-to-Center Cell Spacing	
Unit Size	Inline	Back-to-Back
MD5006	104.00” (2642mm)	N/A
MD5008	110.00" (2794mm)	N/A
MD5010	146.25" (3715mm)	N/A
MD5016	146.25" (3715mm)	145.875" (3705mm)
MD5018	218.25” (5544mm)	145.875" (3705mm)

Clearances
The mechanical access platform option shows the required clearance for a safety cage on the platform ladder. Additionally, clearance must be provided at the air inlets and air discharge for adequate air flow. The clearance requirements vary by application, but the air inlet clearance can be approximated as half of the long side of one cell, and the air discharge clearance should be three fan diameters. Also note that vertical enclosures around the cooling tower should not rise above the fan discharge, otherwise air recirculation may impact performance.

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