

## Data Center Design Questionnaire

To better help you to make your data center more energy efficient and to provide a more accurate quote, please fill out the form and provide as much information as you can. If you have an accurate existing floor plan of your center, you can simply mark it up to provide us with the measurements needed.

|                      |               |               |
|----------------------|---------------|---------------|
| <b>Company Name:</b> |               | <b>Date:</b>  |
| <b>Job Name:</b>     |               | <b>Email:</b> |
| <b>Contact:</b>      |               |               |
| <b>Address:</b>      |               |               |
| <b>City:</b>         | <b>State:</b> | <b>Zip:</b>   |
| <b>Phone:</b>        | <b>Fax:</b>   |               |

### Existing room conditions:

- Raised Floor     Yes     No  
 Ceiling Type     T-bar    Grid Size:     9/16"     1"     1 1/2"     2"  
                    Concrete Deck     Plaster                     Wood Beam     Other

### What type of cooling method does the room use?: (Check All That Apply)

- Roof Top Central Air     Econimizer System     In Room CRAC's  
 In Row / Rack Cooling     Top of Rack Mounted     Other

### How is the cold air supplied to the racks?

- Raised Floor                     Ceiling Diffusers                     In Room Overhead Ducts  
 CRAC Out Top                     CRAC Out Top Front                     CRAC Low Supply Across Floor

*(Continue on next page)*

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## What method is employed for the hot air return?

- |   |  |   |
|---|--|---|
| <input type="checkbox"/> Ceiling Plenum               | <input type="checkbox"/> Ducted Ceiling Grills | <input type="checkbox"/> In Room Overhead Ducts |
| <input type="checkbox"/> CRAC Low Return Across Floor | <input type="checkbox"/> CRAC in Top           | <input type="checkbox"/> CRAC in Top front      |
| <input type="checkbox"/> In Row / Rack                | <input type="checkbox"/> Top of Rack Unit      | <input type="checkbox"/> Other                  |

**If you are using your ceiling as a hot air return plenum, are your in-room CRAC units connected directly to the ceiling**  Yes  No

**If no, please provide dimensions of your CRAC units:** \_\_\_\_\_W \_\_\_\_\_H \_\_\_\_\_D

## What type of fire suppression systems do you employ in the data center?

Please check all that apply or describe. It's helpful to know if the sprinklers are in rows or just random. Also if you are using a raised floor, are there suppression system nozzels under the floor.

- |  |  |                                     |
|--|--|-------------------------------------|
| <input type="checkbox"/> Overhead Sprinklers | <input type="checkbox"/> Smoke Detectors | <input type="checkbox"/> FM System: |
|--|--|-------------------------------------|

Other: \_\_\_\_\_  
(describe)

## Rack and room layout info:

To supply a more accurate quote, a room floor plan would be extremely helpful. You can provide a simple hand drawing on the attached grid or provide an existing drawing of the space. Please provide as much info as possible on the rack heights, aisle widths, etc. Please label the hot and/or cold aisles and any other air flow info you can, so we can make the recommendation for your data center.

**Are the racks in a hot aisle/cold aisle configuration?**  Yes  No  Some

**Are there overhead cable trays?**  Yes  No

**Rack Height:** \_\_\_\_\_ **Rack Width:** \_\_\_\_\_ **Rack Depth:** \_\_\_\_\_

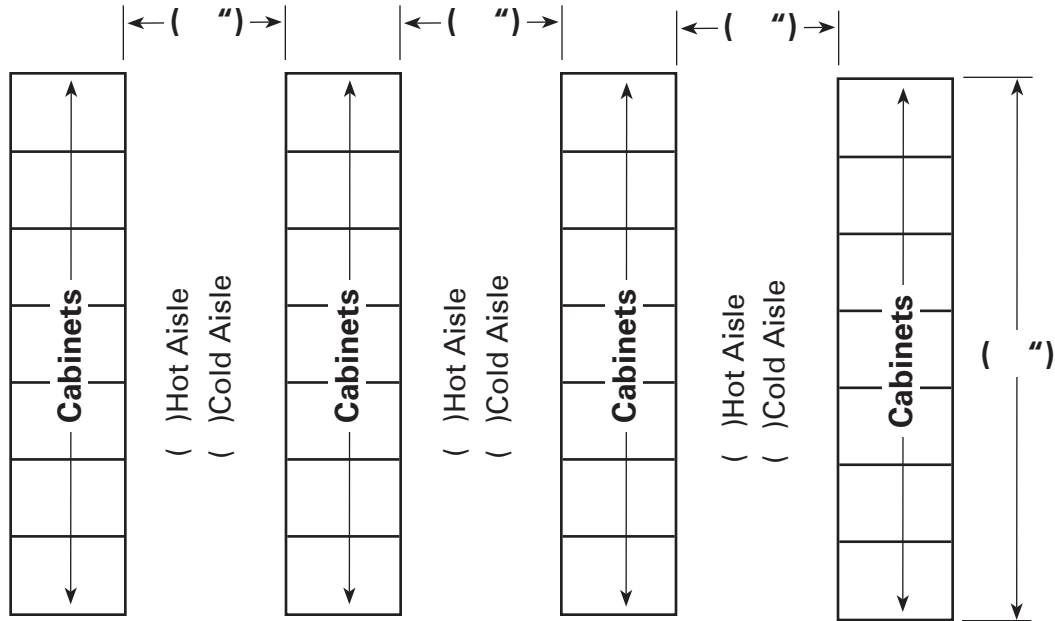
**Aisle Width:** \_\_\_\_\_ **Row Length:** \_\_\_\_\_ **Gaps Between Racks:** \_\_\_\_\_

**Rack to Cable Tray:** \_\_\_\_\_ **Floor to Ceiling Height:** \_\_\_\_\_

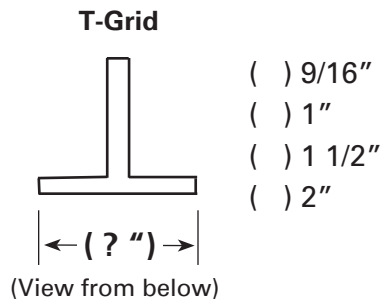
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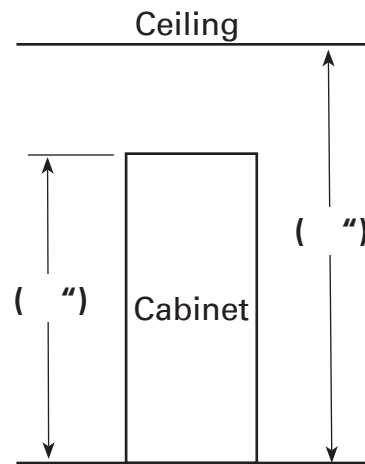
Example diagram for providing layout dimensions.



**FLOOR PLAN VIEW**



**CEILING**



**FLOOR ELEVATION VIEW**

