

Data Center Airflow Containment Questionnaire

In order to minimize the time it takes to design and price your custom containment solution, please complete as much of the information requested below as possible.

Company Name	
Job Name	
Address Line 1	
Address Line 2	
City/State/Zip	

Date	
Contact	
Email	
Phone	
Fax	

Existing Room Conditions

Raised Floor	
Yes	No
Ceiling Type <i>(Check all that apply)</i>	
T-Bar	Grid size:
Structural Ceiling	Grid size:
Concrete Deck	Other
Cooling Method Used <i>(Check all that apply)</i>	
In Room CRACs/CRAHs	In Row/Rack Cooling
Central Plant	Top of Rack Mounted
Other	
How is Cold Air Supplied to Racks? <i>(Check all that apply)</i>	
Raised Floor	CRAC Out Top
From Overhead	CRAC Floor Low Supply
From Wall	

Hot Air Return Method Used <i>(Check all that apply)</i>	
Ceiling Plenum	Ducted Ceiling Grills
Top of Rack Unit	CRAC Low Floor Return
CRAC Top Return	In Row/Rack
In-Room Overhead	Other
Ducts	
If using ceiling as a hot air return plenum, are in-room CRAC units connected directly to the ceiling?	
Yes	No
If no, provide dimensions of your CRAC units	
CRAC Width	
CRAC Height	
CRAC Depth	

Type of Fire Suppression System Employed <i>(Check all that apply and describe)</i>			
Overhead Sprinkler	Smoke Detectors	FM System	Other
Describe <i>(e.g. sprinklers are in rows; sprinklers are random; suppression system nozzles are under raised floor, etc.)</i>			

Rack and Room Layout Information

Are there overhead cable trays?	
Yes	No
Access to baskets or cable trays required?	
Yes	No
Are racks in hot aisle/cold aisle configuration?	
Yes	No
Some	
Are all racks the same size?	
Yes	No
Support Structure	
Self-Support Frame	Cabinet Support
Ceiling Support	
Are there any gaps in the containment row?	
Yes	No

Dimensions	
Space Elevation	Aisle Width
Rack Height	Row Length
Rack Width	Rack Gaps
Rack Depth	Floor Height
Rack to Cable Tray	Floor to Ceiling
Rack/Cabinet Brand/Model/Part # (ex. APC-AR3100)	
Brand	Model
Part #	
Door Requirements (Check all that apply)	
Single Sliding	Double Sliding
Swing Door	Locking Mechanism
Door Placement(s) (ex. One in front/back of containment)	

Containment Area Obstacles		
Will a basket or cable tray(s) run through containment area?	Yes	No
Are sprinkler heads inside containment area?	Yes	No
Are columns or other obstacles inside containment area?	Yes	No
Are filler panels needed for gaps inside containment area?	Yes	No

Hot or Cold Aisle Containment Requirements

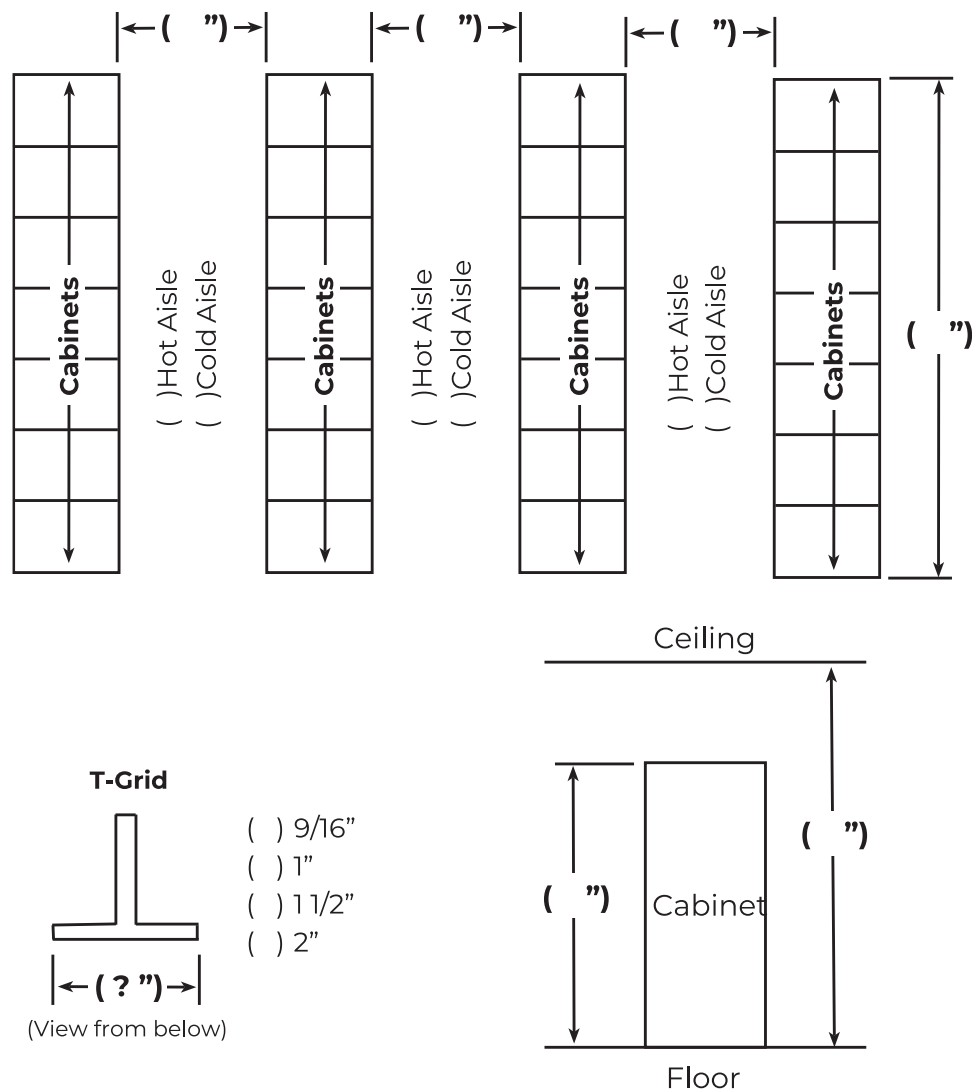
Containment Type		
Hot Aisle	Cold Aisle	
Hot Aisle Containment Requirements (if applicable)		
Will containment be open plenum? (open top; rises above)	Yes	No
Will containment meet drop-down ceiling?	Yes	No
Cold Aisle Containment Top Requirements (Check all that apply)		
Drop Away Ceiling Tiles (approved for use below sprinklers)	Active ceiling with Electro Magnetic drop-links	
Is there minimum 4" clearance above racks?	Yes	No
Other (Describe):		

Space Planning References

Accurate, current data center drawings are important in coming up with a good containment design and accurate pricing. Ideally, the drawings would show exactly what you need the containment for. Please provide your rep with a current layout of the data center floor, any photos of the current or future space, any drawings of the new environment as well as any obstacles or obstructions that are or will be within the containment area.

Alternatively, you can mark-up as-builts showing what the rows to be contained will be, or hand-draw your data center using the attached grid.

Example Diagram for Providing Layout Dimensions



Data Center Layout

Please draw an accurate, current layout of your data center.

This image shows a full page of blank graph paper. The grid consists of thin, light gray horizontal and vertical lines that intersect to form small squares across the entire surface. There are no margins, text, or other markings on the paper.

Additional Details