

THE FIRE SUPPRESSION DROP CEILING



Get To Know Us

Data Clean Asia specializes in maintenance and the identification, cleaning, and remediation of contamination. We provide maintenance services for a variety of controlled environments, from data center to cleanrooms. Data Clean has been serving our clients with Airflow Management to Eliminate Bypass Airflow, Raise Set Points, Lower PUE and Eliminate Hot Spots .

Our customer list reads like the Who's Who of the corporate world such as NTT Global DC, Global switch, Princeton DC, and Keppel DC just to name a few.



The Fire Suppression drop ceiling



The Fire Suppression Access Drop Ceiling is design to meet any data center fire protection system. In the event of a fire, the drop ceiling falls away, paving the way for sprinklers or fire suppression agents to circulate in to the contain aisle, the ceiling panels equipped with an electromagnetic drop-link activation system. The Fire Suppression Access drop Ceiling System is fall safe and paves the way for a fully enclosed environment while inactive. Designed for easy installation, it can be customised as per the specifications to your Data Center requirement.

The Fire Suppression Access Ceiling is the perfect addition to any data center fire protection program. In the event of a fire, the ceiling adeptly falls away, allowing sprinklers of fire suppression agents to circulate freely.

The patent pending design features ceiling panels equipped with a electromagnetic droplink activation system. Superior to competing ceiling system. The Fire Suppression Access Ceiling System is fall safe and creates a fully enclosed environment while inactive.

Benefits:

- Utilizes a electromagnetic droplink activation system to ensure fail safe protection in case of a powe outage.
- Ceiling panels fall away through the use of a soft drop system, preventing injury to equipment and personel in the event of deployment.
- System can be tested and reset in an event of deployment.
- Works with rigid ceiling panel system, allowing for a fully enclosed data center aisle.
- Fully adjustable Z-bar angle mouniting track of riser panels raises ceiling for rack door clearance or other obstacle.
- Easy and flexible installation.

How do they work ?

When power is applied to the electromagnetic link, it turns on the unit's built in electromagnet.

This electromagnet is attracted to the steel armature plate which is mounted to ceiling panel, holding the panels up in place.

When power to the link is turned off. the electromagnet releases the armature plate, allowing the ceiling panels drop.

The Fire Suppression Access Ceiling is made for easy installation and can be customised based on the specifications of your data center.



Ceiling Support Option:

- No rack required
- No additional brackets necessary
- Ceiling support with treader rods

MODEL	DESCRIPTION	SIZE
RC-44-C	Rack Cap, Hinged fold-down frame, Soft Open Shocks, Mag links, Clear anodized	4' x 4'
RC-46-C	Rack Cap, Hinged fold-down frame, Soft Open Shocks, Mag links, Clear anodized	4' x 6'
RC-48-C	Rack Cap, Hinged fold-down frame, Soft Open Shocks, Mag links, Clear anodized	4' x 8'

MODEL	DESCRIPTION	SIZE
RC-44-B	Rack Cap, Hinged fold-down frame, Soft Open Shocks, Mag links, Clear anodized	4' x 4'
RC-46-B	Rack Cap, Hinged fold-down frame, Soft Open Shocks, Mag links, Clear anodized	4' x 6'
RC-48-B	Rack Cap, Hinged fold-down frame, Soft Open Shocks, Mag links, Clear anodized	4' x 8'

ELECTROMAGENT SPECIFICATION

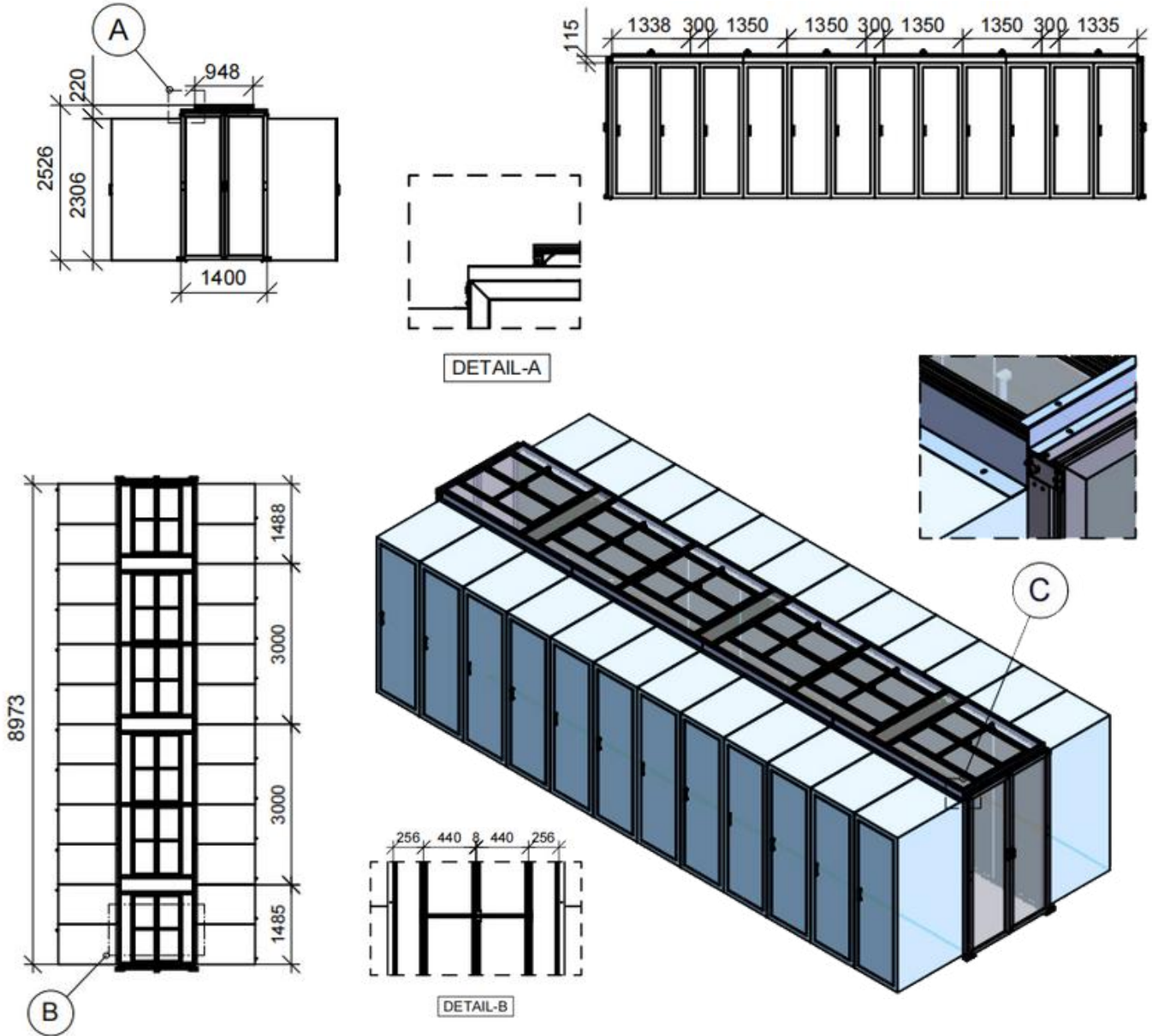
Model	DC-EMDL-14-1
Power	12-24VDC
Magnet Size	2.75 x 1.5 x 1 in.
Armature Size	2.375 x 1.25 x .3125 in.
Holding Force	55kg
Current Drain	12V, 160mA 12V, 8mA
Housing	Aluminium
Weight	1lb

Accessories

MODEL	DESCRIPTION
ZB-22-8-C	Z-Track Mounting - 96°
ZB-22-8-B	Z-Track Mounting - 96°



Drop Ceiling Drawing



Part	Drawing number Item reference	Part or assembly group name	Standard or catalog	Shape, Dimension, Designation	Amount	Material	Qty
General tolerances		Scale	Project	DATA CLEAN	Material		
			Product	Ref	DATA CLEAN ASIA PTE LTD		
Mass	B/A	Drawing Name					
Design	2019-01-07 STA	Prev	New				
Check		DC-STEL-DCW-L6DH234-ASY					
Acc							

01 The DC Modular Aluminium Sliding Door

Double Sliding Door

A Revolution in Data Center Containment Doors!

The ideal solution for both cold and hot aisle containment designs. Combining cost effectiveness with ease of installation, the no threshold design eliminates tripping hazards.

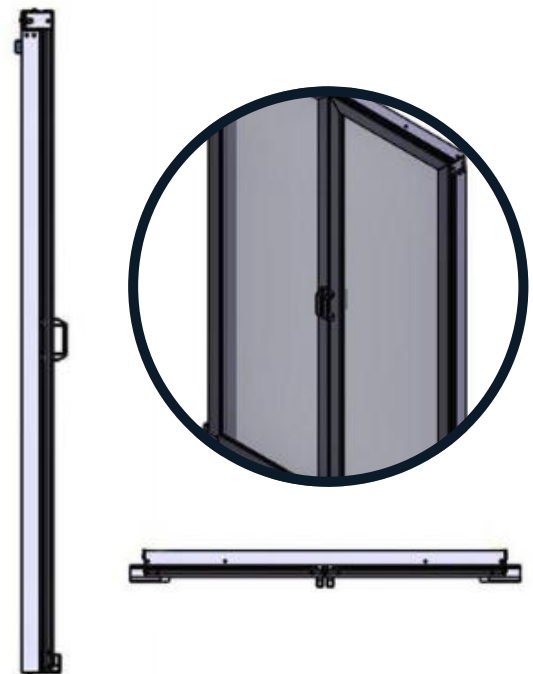
Frame components arrive pre-assembled and easily connect to the header rail which secures the assembly together. Integrated slide-locks simplify door installation onto the frame.

FEATURES

- Sweep seal and perimeter gasketing provides maximum containment
- Easy-glide track system
- The self-aligning door require no adjustments
- Insert range from polycarbonate
- Exclusive self-closing in minutes
- No protruding header of track assembly allowing for a sleek, simple design
- Anodized aluminium framing, available in clear and black finishing
- The modular sliding aluminium door easy glide system and self closing cartridge is integrated into the door so that the are tucked away from view when the door is closed and open
- Door is pre-hung and installed in minutes
- The tool-less design allow for quick and easy installation, removal dan re-installation



The sliding doors reduce data center operating costs by improving thermal efficiency and reducing IT equipment intake temperatures, which enhances both equipment life and reliability.



Find Your Hot Aisle Containment Solution With Us Now



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