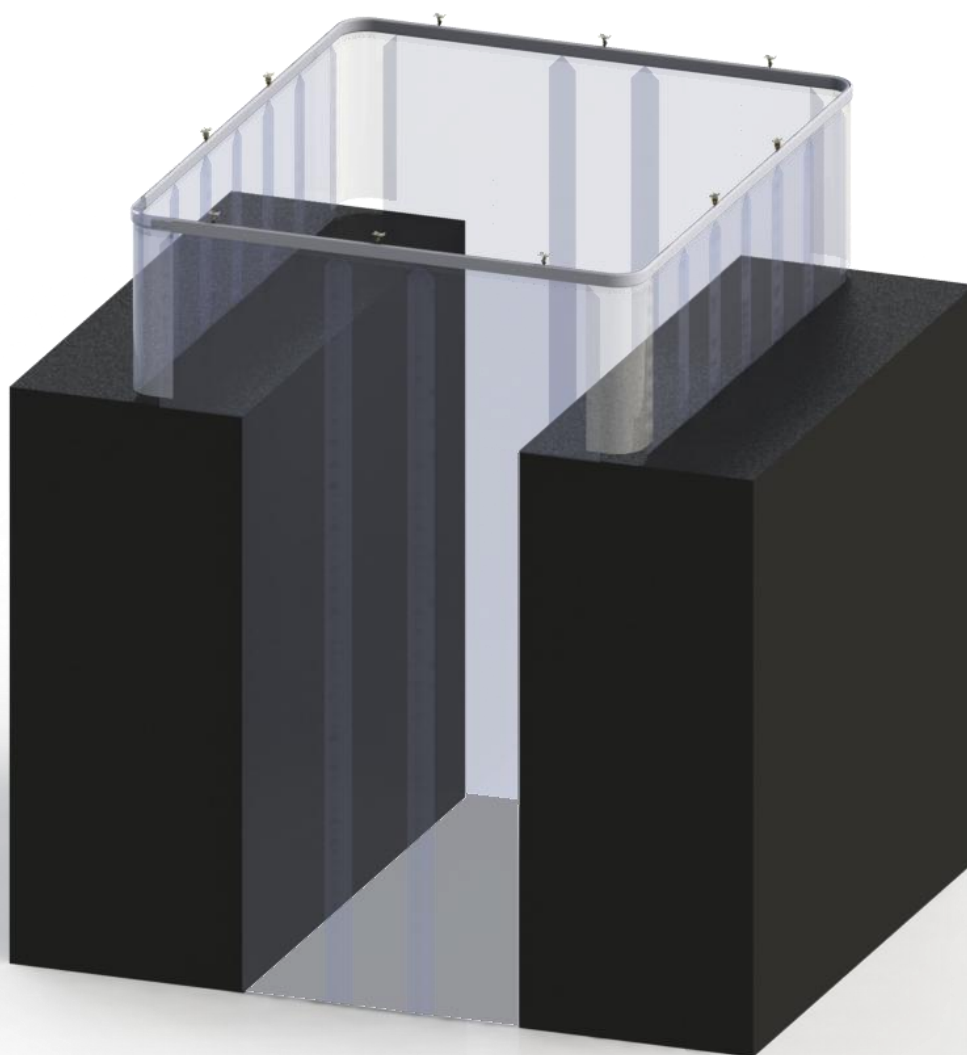


INSTALLATION GUIDE





Please Help Us Improve This Manual

We would be very interested to hear any comments you might have on this new installation manual. We are particularly interested in learning of omissions or subjects that are unclear. Please call, fax, or e-mail and direct your comments to Technical Service. Thank you very much for your assistance.

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TABLE OF CONTENTS

1. Overview.....	3
2. Safety and Quality Assurance....	4
3. Cautions and Warnings.....	4
4. Components	5
5. Assembly	6
6. Additional Information	8

1. Overview

Strip Door is the finest ceiling mounted strip door for both cold and hot aisle containment; because it combines cost-effectiveness and ease of installation. Over the long-term the ContainAire Strip Door will also reduce “total cost of ownership” by making it easier to fully separate cold supply and hot exhaust airflow.

High-grade aluminum track, UL and FM rated fire suppression links, and ESD fire resistant strip vinyl will ensure a long lasting strip door solution.

The ContainAire Strip Door includes all of the components and fasteners required to assemble and install. ContainAire Strip Doors can be installed on the drop-ceiling grid or be hung onto any stationary ceiling system such as cable trays, U channel, and or directly into a variety of ceiling materials (metal, cement, etc.).

The ContainAire strip door is modular in design. The aluminum track comes in 6 sizes (1’, 2’, 3’, 4’, 5’ or 6’). It connects using ball joints (no tools required). The vinyl strips slide into a slot on the bottom of the aluminum track. The UL ceiling connector slides on the top of the track.

2. Safety and Quality Assurance

The following recommendations should be carefully observed as part of any ContainAire Strip Door installation. In particular, the safety of the installers must be placed ahead of all other considerations. Some of the following warnings or cautions have been highlighted in the appropriate sections of the manual.

- **DO** read this Installation Guide thoroughly prior to beginning any work.
- **ALWAYS** use an OSHA approved step ladder or elevated surface lift when working at an elevated level.
- **ALWAYS** Follow OSHA guidelines for elevated work safety.
- **DO NOT** use drop ceiling grid for installer support. Keep two feet on the ladder or elevated work lift.
- **DO NOT** use the rack cabinet as a elevated work platform.
- **ALWAYS** wear grounding straps.
- **DO NOT** work on an elevated surface alone.

3. Cautions and Warnings

This manual contains important information of the installation of your ContainAire Strip Door. We strongly recommend that you read and follow the instructions contained in this manual.

At several points in the manual there may be items of special interest or significant impact which are highlighted by one of the following notices.

Warning:

Hazards or unsafe practices that could cause personal injury or death.



Caution:

Hazards or unsafe practices that could cause product damage..



Note:

Significant points of interest.

4. Components

The major components for the ContainAire Strip Door are shown in Figures 2 and 3. The components include:

- Aluminum Track
- Aluminum Splicer
- (1-3) x Hanger(s)
- (1-3) x Fire Suppression Link(s)
- Fire Resistant Vinyl Strip Door(s)

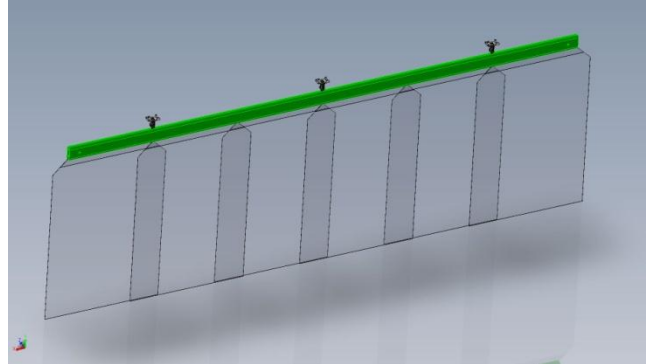


Figure 1: Aluminum track and splicer

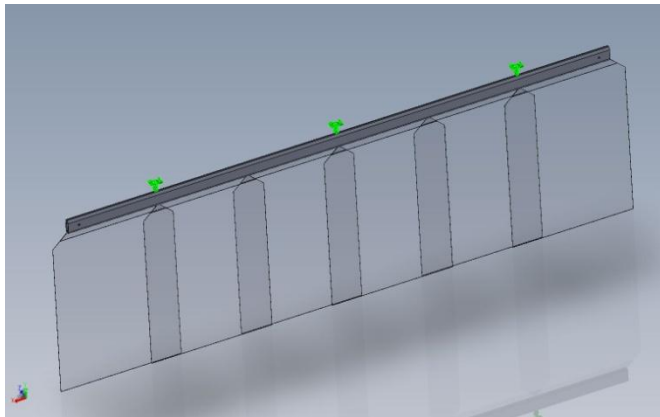


Figure 2: Ceiling attachment system and fusible link

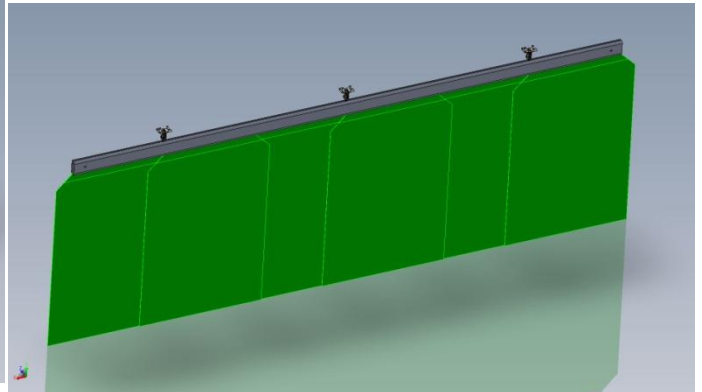


Figure 3: Fire resistant vinyl strip door

Note:

Please refer to the ContainAire Application Guide for additional information and to determine proper product selections.

5. Assembly

Tools Required

- Measuring tape
- Plumb bob
- Marker
- Pliers
- Knife

1. Determine where the strip door is to be installed on the ceiling.

Position the Strip Door at the end of the aisle slightly back from the rack row end (approx 1-2 inches).

2. Install the Ceiling Attachment.

Twist the white clip onto the drop-ceiling grid. The 360-degree ball allows attachment to be on either the parallel or perpendicular grid. Install the ceiling attachments over the area you want the Strip Door to hang. Sometimes the white ceiling clip is easier to install with a set of pliers. The 360-degree ball and the UL/FM rated link are already attached to the ceiling clip.

3. Install the aluminum track.

Slide the aluminum track onto the 360-degree ball.

4. Install the fire resistant strip vinyl.

Slide the strips of vinyl onto the bottom of the aluminum track. The top of each vinyl strip should be pulled tight against the adjacent strip.

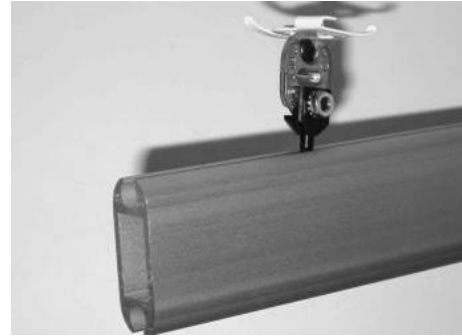


Figure 4: 360-Degree ball

5. If the track is longer than 6 feet, install the Splicer.

For aisle widths greater than 6 feet slide the splicer into the end of the track in the direction you want to extend the track. Next repeat steps one through three. Then connect the two tracks with the splicer. Ensure that the ball connectors fully snap into place.

Note:

Some fire marshals prefer that the aluminum tracks not be connected.

6. Vinyl Overlap

Ensure that the vinyl is overlapped from one sheet to the other. Cut the bottom of the strips to match the floor. We suggest that you allow for up to one inch longer than the actual distance so as to prevent leakage.

7. Cutting the Vinyl

At times you may want to cut the vinyl to fit around an obstruction. It's best to mark the vinyl and cut along a straight edge.

6. Additional Information

We are including additional detail views of the ContainAire Strip Door.

Working around lights

It is preferable not to install the ContainAire over a light. It's best to install on the grid parallel to the light. When this cannot be done you can install the ContainAire on the perpendicular grid at the ends of the light. Be sure to install the splicer so that you can disconnect the section over the light when light maintenance is required.

Working Around Cable Trays and other obstructions

The vinyl can easily be modified to work around obstructions. Cut an opening in the vinyl the same shape as the obstruction. The vinyl under the obstruction can be adhered together using two sided tape or Velcro.



Figure 5: Working around obstructions