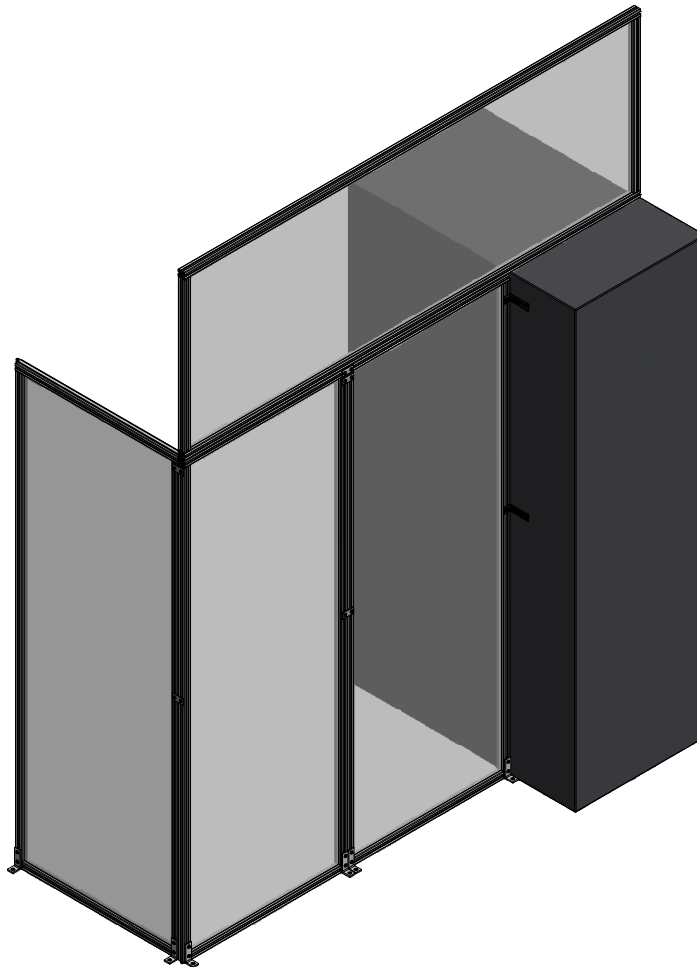


# Rigid Wall Assembly and Installation Guide



## **Safety & Handling**

When unpacking the rigid walls and components, be careful not to scratch the aluminum frame and the polycarbonate panel. They have been carefully packaged and inspected before crating. Inspect all components and be sure all required hardware is included for assembly (*refer to the Packing Slip for detailed information*).

Use only the proper and recommended tools for all assembly procedures as well as installation of the Rigid Walls in and around the cabinets.

Do not lean the Rigid Walls against walls, cabinets or posts where there is a chance for them to fall and become damaged.

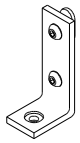
All movement and assembly requires two persons for safety and protection of the Rigid Walls being installed and the equipment around them.

## **Tools List**

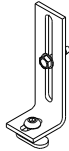
5/16" Hex Nut Driver Bit	Extension Cord	Hammer	1/4" Drill Bit (Masonry or standard)
Rubber Mallet	4' Level	Tape Measure	Pencil
Step Ladder	Phillips Drill Bit	Drill	5/32" T-Handle Hex Wrench

## **General Installation Tips and Tricks**

- Start by putting together a corner section of Rigid Wall, or against a wall or a cabinet. Then work outward or around the containment.
- Mount the Rigid Walls to the cabinets or wall as needed to provide rigidity so Rigid Wall does not flex due to differential pressures of the ventilation system.
- For long sections of Rigid Wall panels, place crossbars evenly down the aisle.
- Panels will fit snug between cabinets. If they are too snug, then remove the foam bulb.
- If the T-nut for mounting the hardware cannot be slid into the slot from the end, the T-nut can be inserted directly into the slot by placing a portion of the foam wrapping material in the slot and then placing the T-nut in the slot on the top of the foam. This will provide backing for the T-nut to hold it in position while inserting the screw. Once the screw is threaded onto the T-nut, hold the foam material and slide the T-nut off the foam, then remove the foam out of the slot.
- If springs are provided, place the spring in the slot and then place the T-nut in front of the spring to hold the T-nut in place.



Item 1



Item 2



Item 3

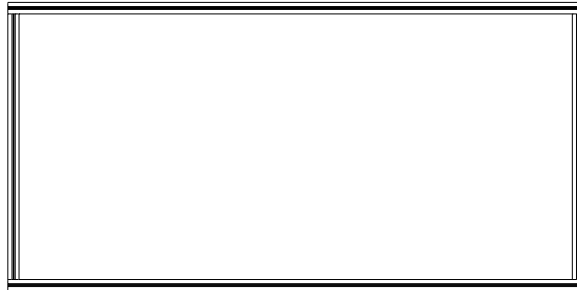


Item 4



Item 5

Parts List		
Item	Part Number	Description
1	HDW-400499	Floor Mount Bracket
2	HDW-401404	Formed Mounting Bracket
3	HDW-400105	Joining Strip
4	HDW-401408	Corner Bracket
5	HDW-401702	Square End Cap
6	RW-6150	Rigid Wall (F)
7	RW-6050	Rigid Wall (T)
8	RW-7050	Rigid Wall (T) with Access Panel
9	RW-7150	Rigid Wall (F) with Access Panel



Item 7

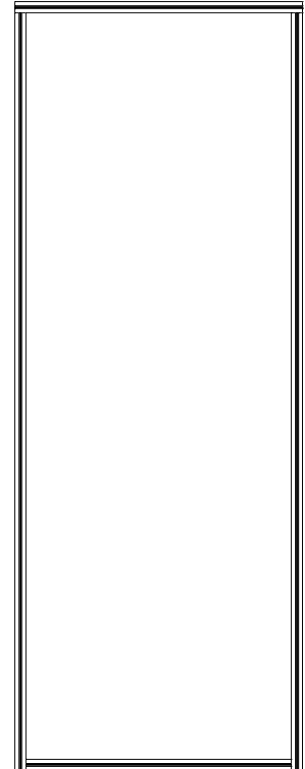
There are 2 different configurations of Rigid Walls, RW-6050 and RW-6150. Dependent on the configuration, the walls will be secured differently. The two configurations are:

1. RW-6050 (Rigid Wall (T)), above cabinet or horizontal configuration, and
2. RW-6150 (Rigid Wall (F)), floor mount walls or vertical configuration.

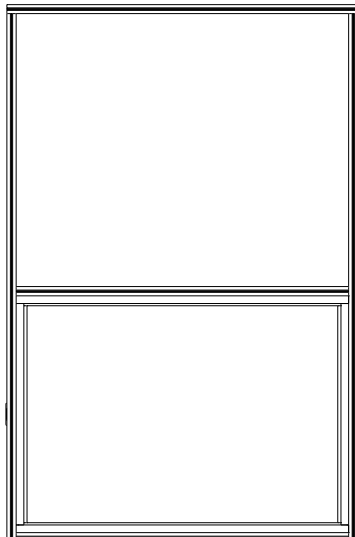
Each of these configurations have an option for a hinged door to enable access behind the Rigid Wall:

1. RW-7050 is an RW-6050 configuration with an access panel
2. RW-7150 is an RW-6150 configuration with an access panel.

RW-6050 provides access to the slots on the side frames and the top frame and RW-6150 provides access to the slot on the top and bottom frame.

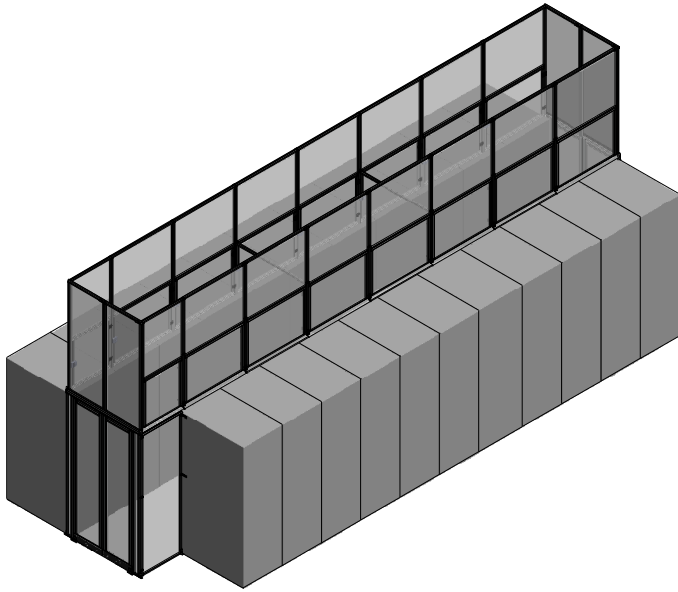


Item 6

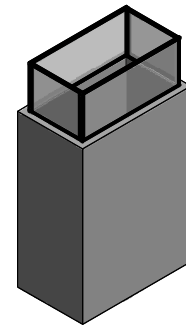


Item 9

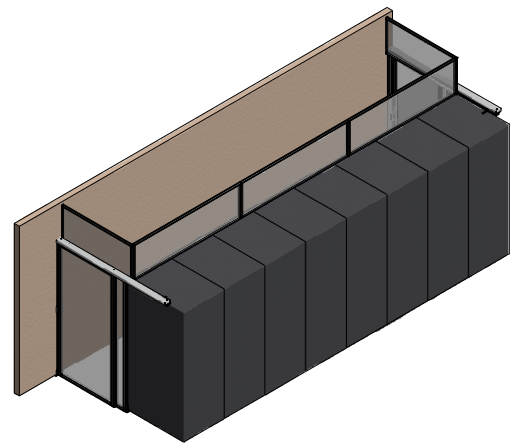
This manual shows multiple ways of connecting Rigid Walls. Depending on your application, determine how to connect the Rigid Walls by following the instructions in this manual and information provided on the Packing Slip or Drawings. Below are illustrations of several common Rigid Wall applications.



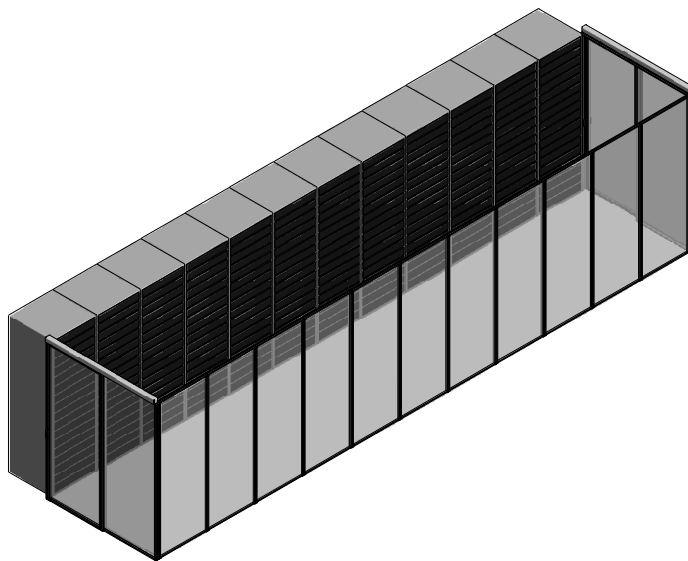
Above Cabinet Panels with Filler Panel



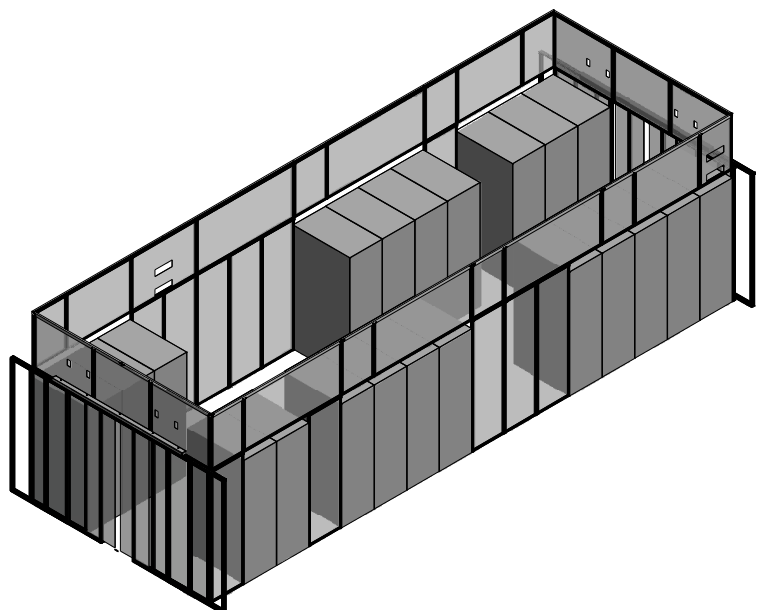
CRAC Hood



Against Wall



False Walls

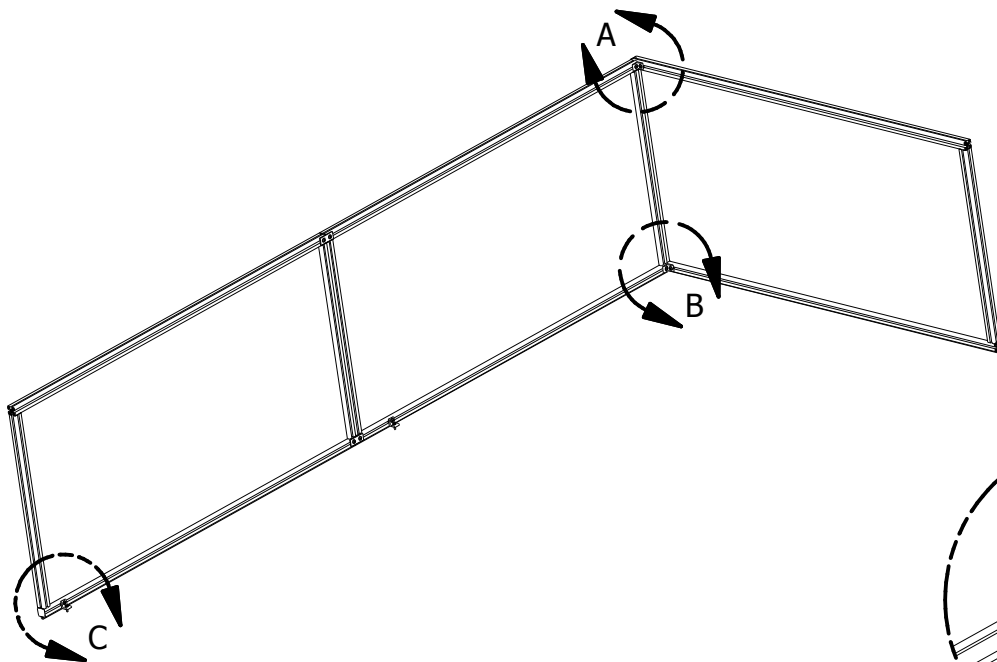


Multit-Configuration

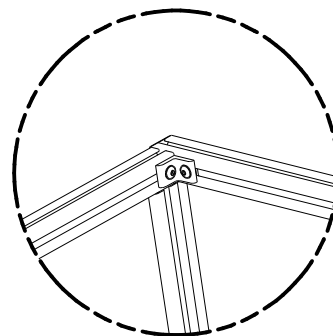
# Inside Corner Application

Use either the Inside Corner Application (this page) or Outside Corner Application (next page). The application was determined prior to the job being ordered (reference Packing Slip or provided drawings for the location of the Rigid Walls).

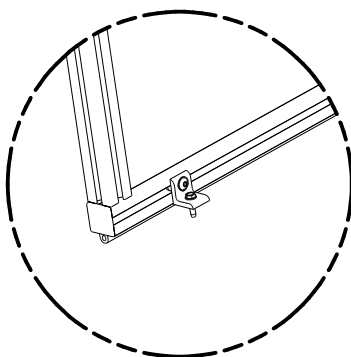
- Secure the Corner using a corner bracket (Detail A & B).
  - Ensure corners are tight and properly aligned while tightening corner bracket using  $\frac{5}{32}$ " T-Handle wrench.
  - 1 each corner bracket on top and bottom rail and the middle section, if required.
- Securing Rigid Wall to the top of the Cabinet (Detail C).
  - Secure Rigid Wall to the top of the cabinets using corner brackets with provided #10 self drilling screws or provided velcro dependent on the connection application when ordered.
- Place End Caps on the aluminum extrusion for a finished look on the exposed outside corners.



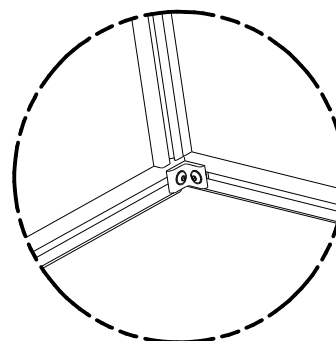
Above Cabinet Rigid Walls



DETAIL A



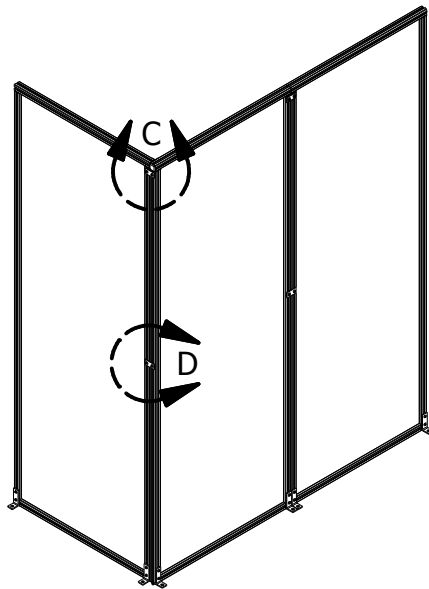
DETAIL C



DETAIL B

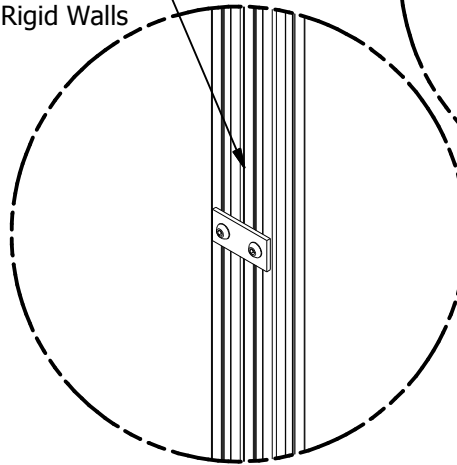
# Outside Corner Application

- Place Joining Strips on the outside corner per Detail C & D below.
  - Ensure corners are tight and properly aligned while tightening Joining Strip using  $\frac{5}{32}$ " T-Handle wrench.
  - Place Joining Strips on the top and the middle or bottom of the Rigid Wall, depending on the height of the Rigid Wall and the quantity of Joining Strips shipped.
- Place End Caps on the ends of the aluminum extrusion for a finished look on the outside exposed corners.

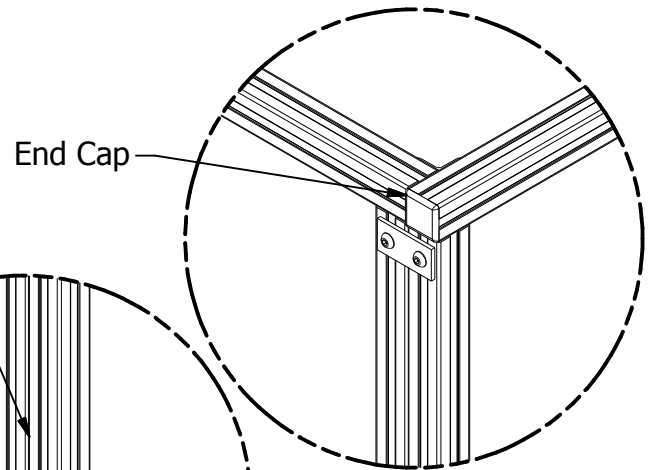


Outside Corner  
On Floor

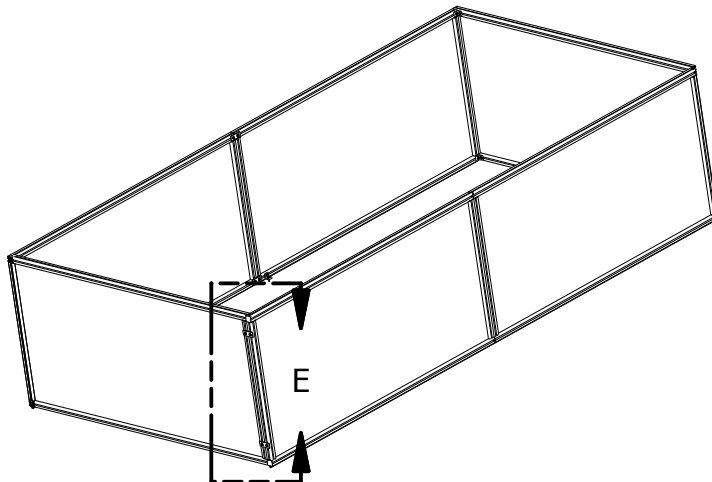
Press firmly together  
to eliminate gap  
between Rigid Walls



DETAIL D

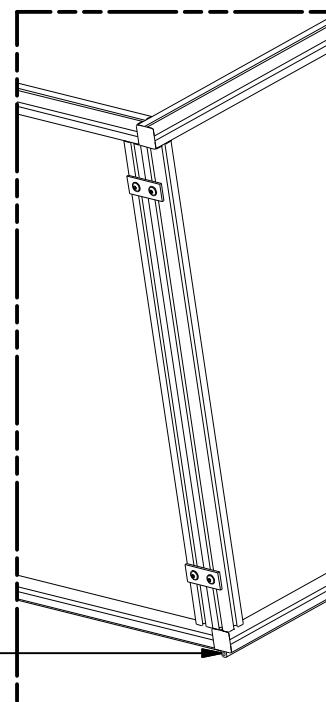


DETAIL C



Outside Corner  
Above Cabinet

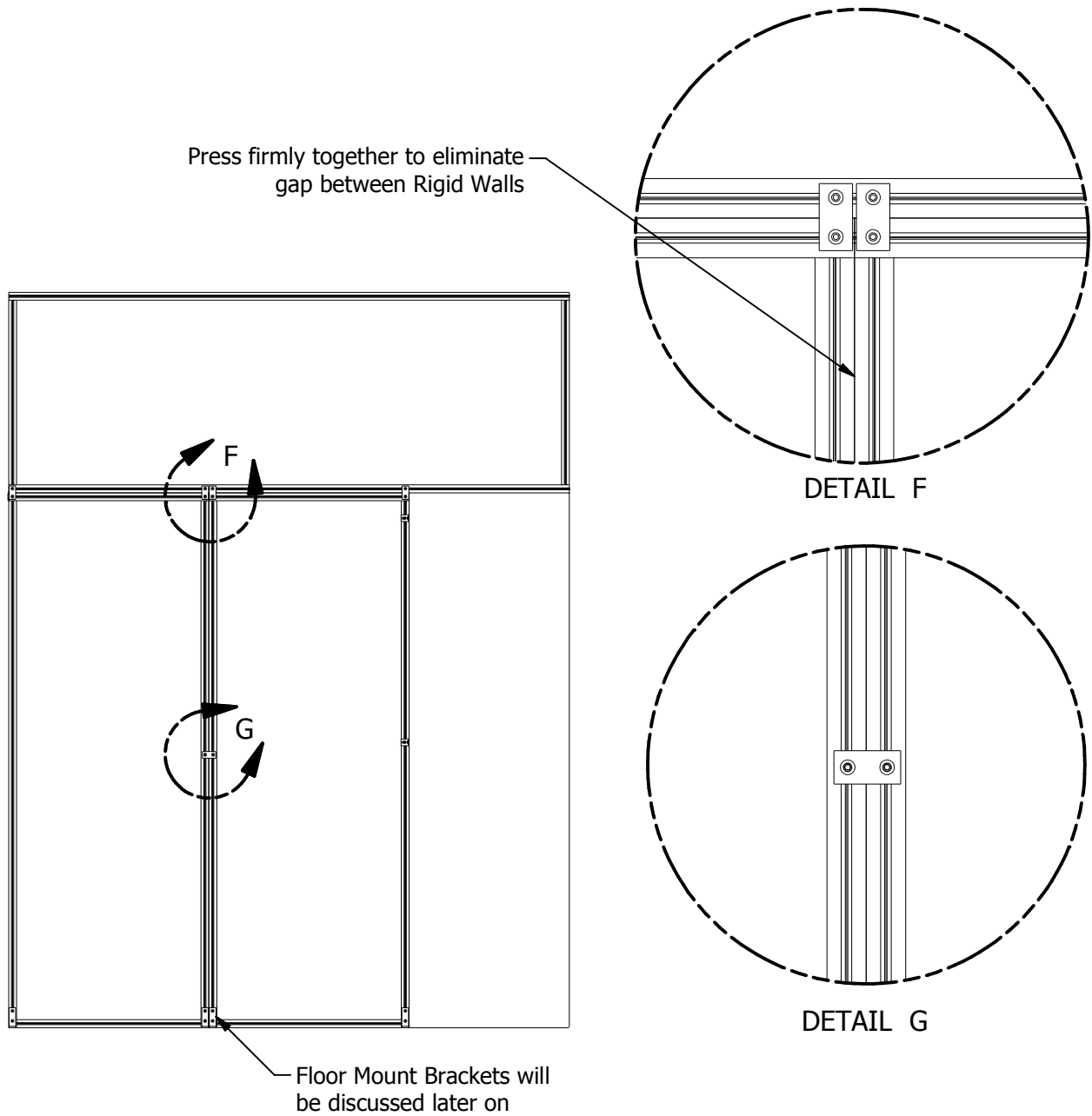
Attach Foam Bulb on the top,  
bottom, or sides depending on  
the application. Refer to Packing  
List or Drawings for details.



DETAIL E

# Rigid Wall to Rigid Wall Application

- Ensure Rigid Walls are tight together when fastening Joining Strip using  $\frac{5}{32}$ " T-Handle Hex wrench.



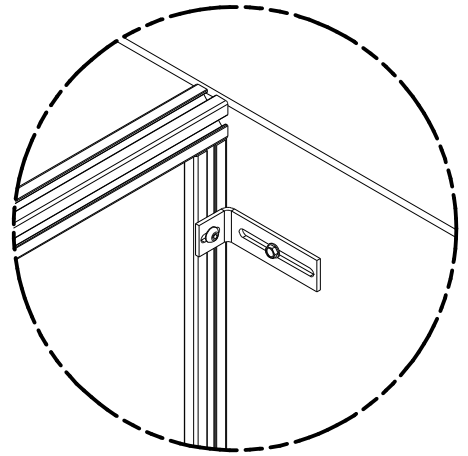
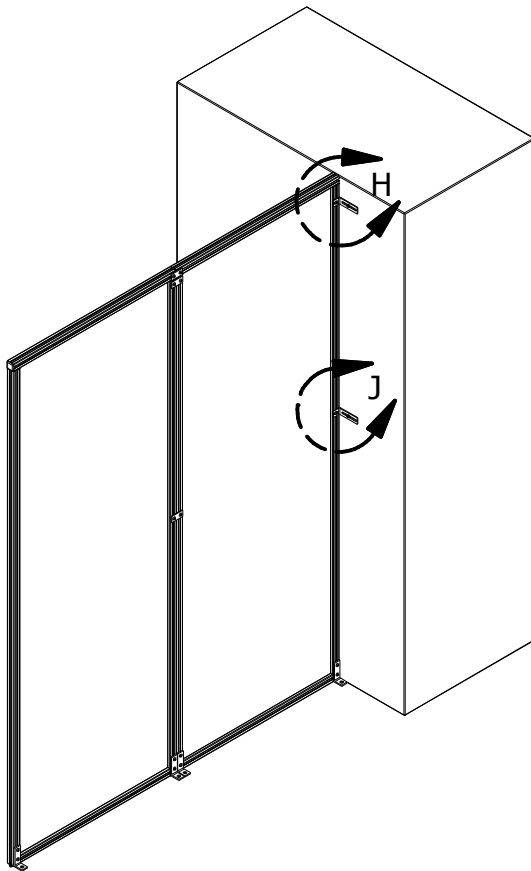
# **Rigid Wall to Cabinet or Drywall Application**

- **Cabinet Installation**

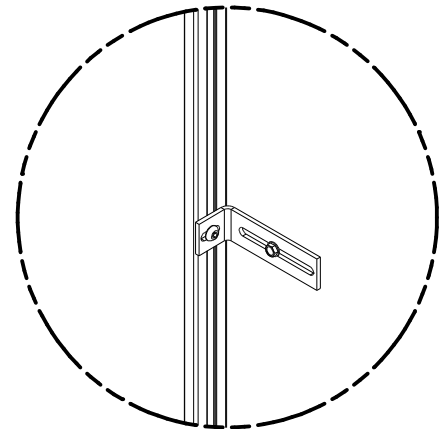
- Use the Formed Mounting Bracket to secure the top and middle of the Rigid Wall to the Cabinet using a #10 Self Tapping Screw as shown in Detail H & J.
- Velcro may also be attached to the Formed Mounting Bracket and Cabinet to secure the Rigid Wall to the cabinet.

- **Drywall Installation**

- Use the Formed Mounting Bracket to secure the top and middle of the Rigid Wall to the wall using a drywall anchor or equivalent as shown in Detail H & J.



DETAIL H

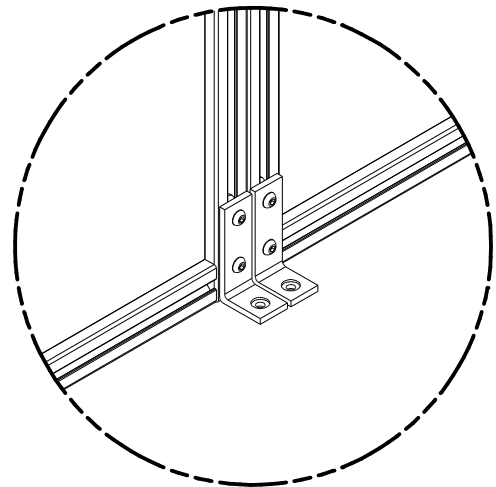
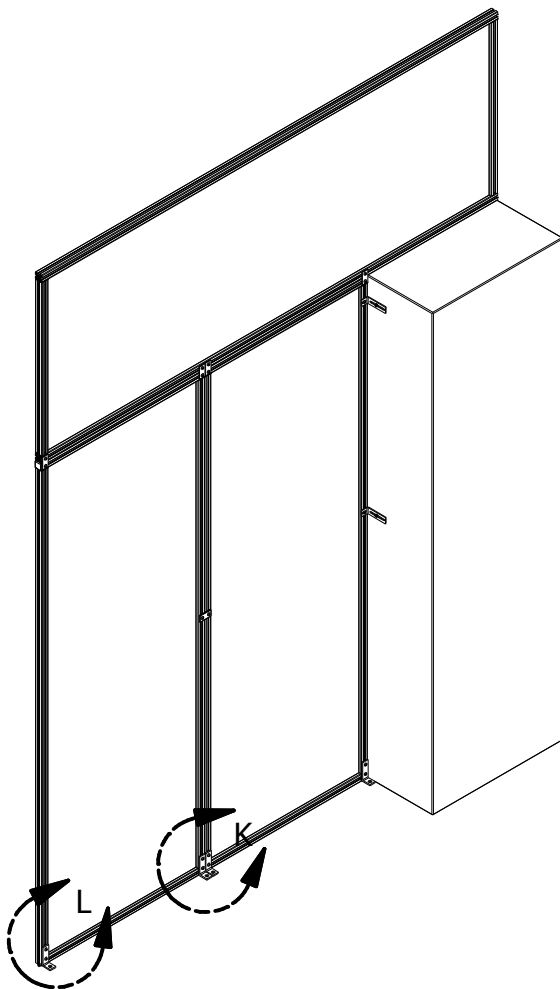


DETAIL J

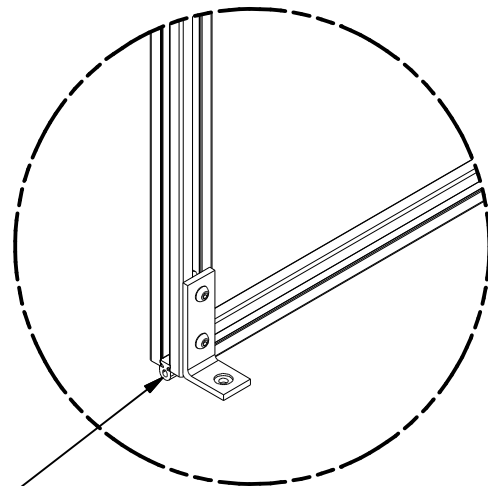


## Rigid Wall to Floor Installation

- With a pencil mark the center of the hole of the Floor Bracket on the floor.
- Lift the Floor Bracket up out of the way and lightly tighten so it will not fall down.
- Use a  $\frac{1}{4}$ " drill bit (masonry or regular) and drill a hole into the floor.
- Place a #10-12 Blue Plastic Anchor into the hole and using a hammer lightly tap it into the hole drilled in the previous step.
- Loosen the Floor Bracket and set it on the floor in place.
- Insert the #10 x 1- $\frac{1}{2}$ " Pan Head Screw through the hole of the Floor Bracket into the Blue Plastic Anchor and secure using a Phillips drill bit.
- Using  $\frac{5}{32}$ " T-Handle Hex wrench secure the Floor Bracket to the Rigid Wall.



DETAIL K

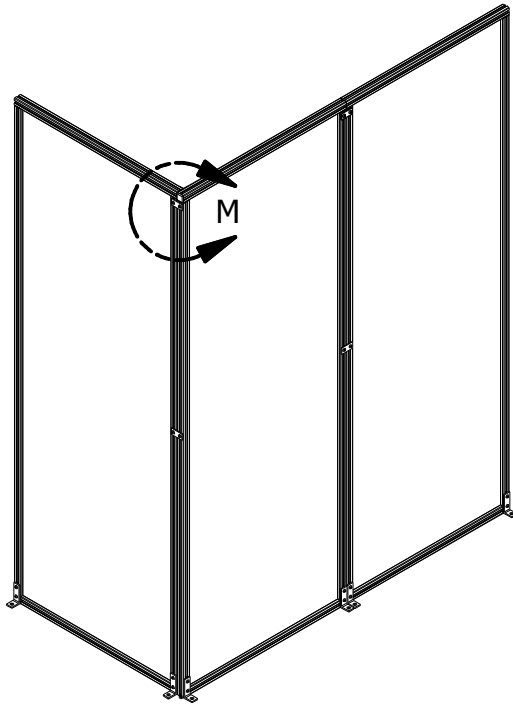


DETAIL L

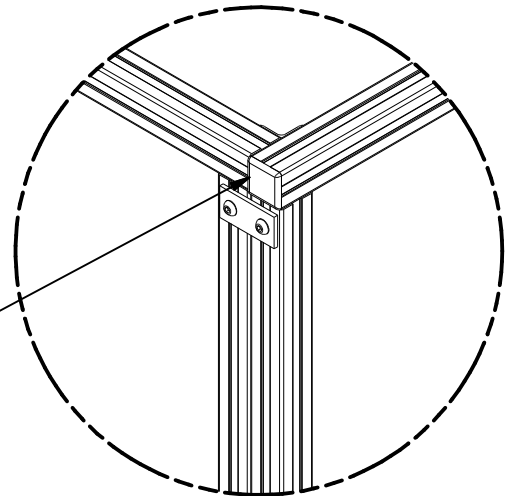
Attach Foam Bulb on the top, bottom, or sides depending on the application. Refer to Packing List or Drawings for details.

# **End Cap Application**

- Place black square End Caps on all of the the exposed ends of the aluminum extrusion for a finished look.



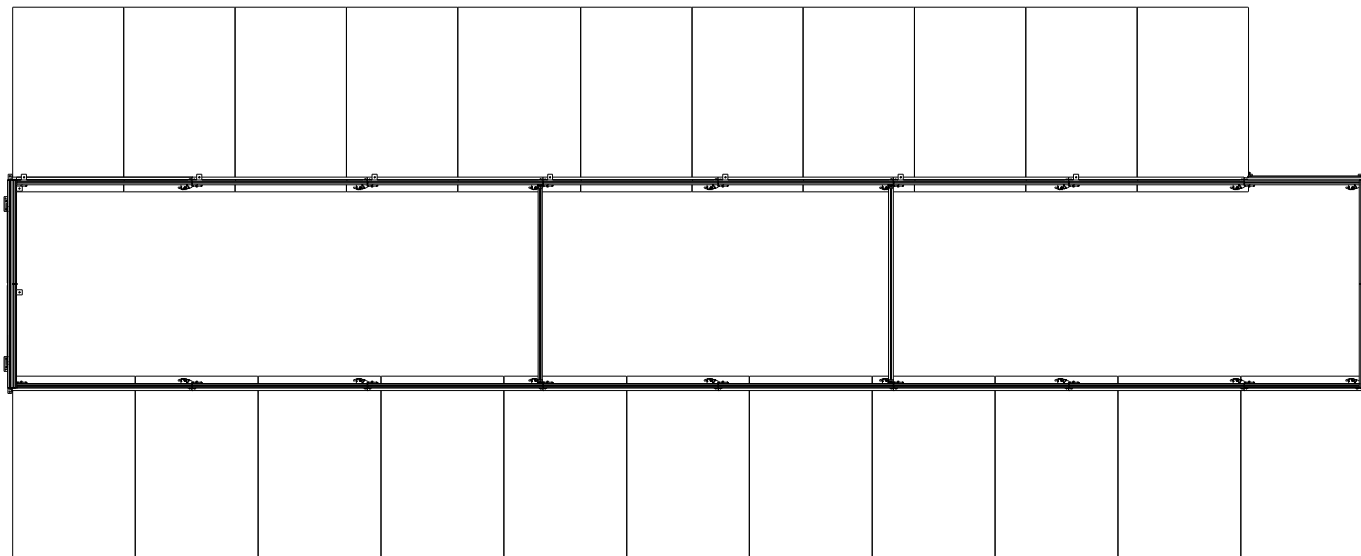
Location of End Caps —



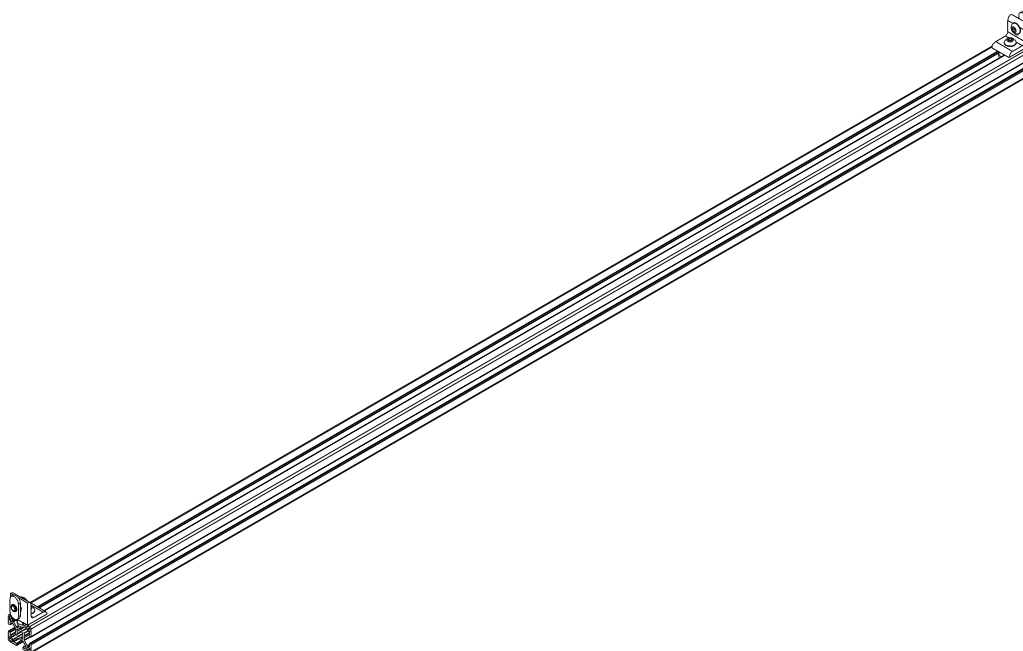
DETAIL M

## Crossbar Application

- Place Crossbars evenly spaced along the aisle, if required. The crossbars will be supplied for longer aisles.



Top View with Crossbars



Crossbar