



ContainAire®

Single Hinged Door Unit



Pictogram User Installation Guide



Introduction

Thank you for choosing a Tate Airflow product. Tate Airflow products are engineered to maximize the efficiency of your data center air handling system by isolating cold supply and hot exhaust airflow. We would be interested in hearing any comments you may have on this installation manual, product, or overall experience. Please call or e-mail our Technical Service Department:

Phone: 410-799-4200

E-mail: TateInfo@tateinc.com

Safety

- 2 or more people are required for the handling and installation of this system.
- Wear personal protective equipment (PPE) when drilling, cutting, or installing. PPE includes gloves, safety eyeglasses, hardhats, etc.
- Do not leave the site unattended until the installation is complete.
- Do not drill into the raised floor or server rack without first ensuring that no electrical wires or cabling are in the area of drilling.

Included Components

- ContainAire Single Hinged Door
- Floor and rack mounting hardware
- Installation Guide
-

Required Tools

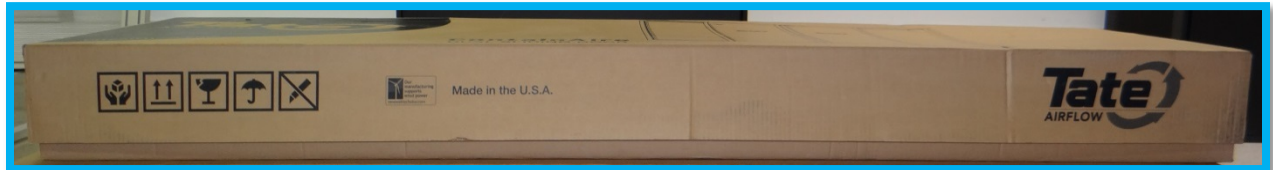
- 5/16" Drillbit with Driver
- Level
- Allen Wrench (6mm, 4mm, 3/32 in)



Please ensure the installment site is clean and level prior to assembly. Check level of floors and racks.

(!) Check level of floors and racks.

1. Your dual door unit will arrive in one (1) cardboard box with Tate Airflow logos.

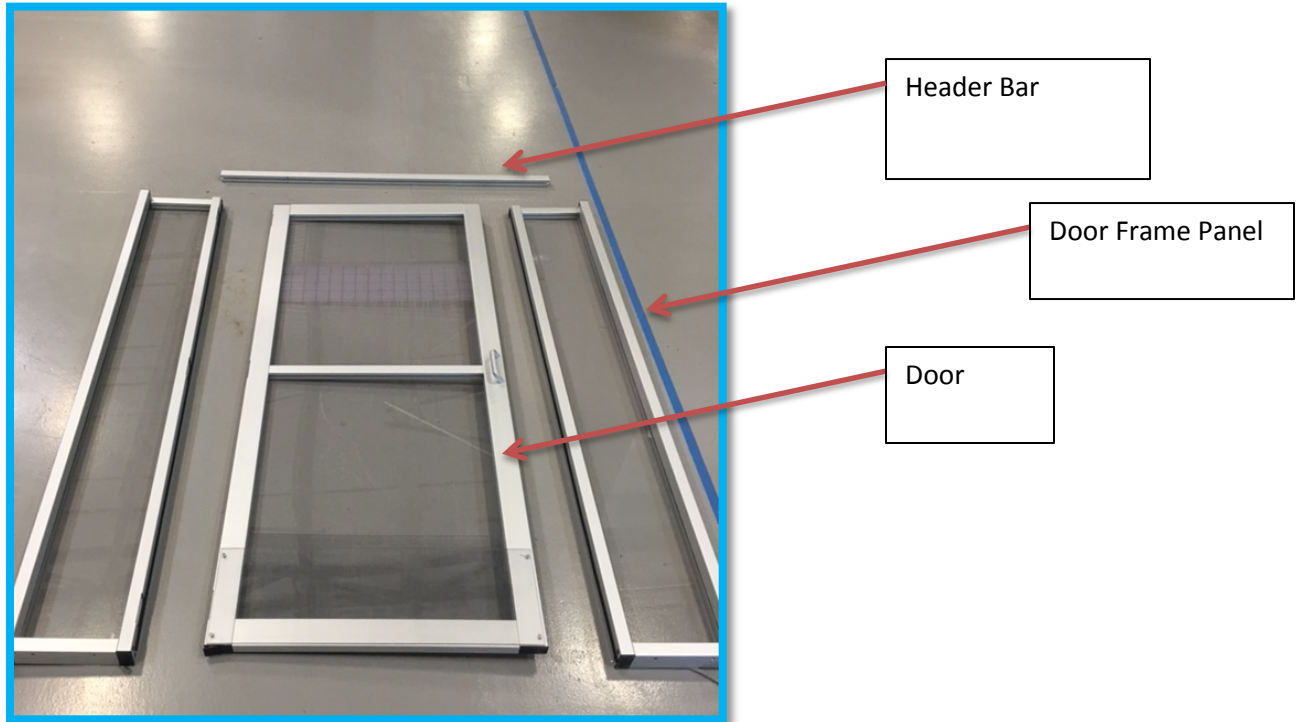


2. Remove the lid and you will find the floor and rack mounting hardware.





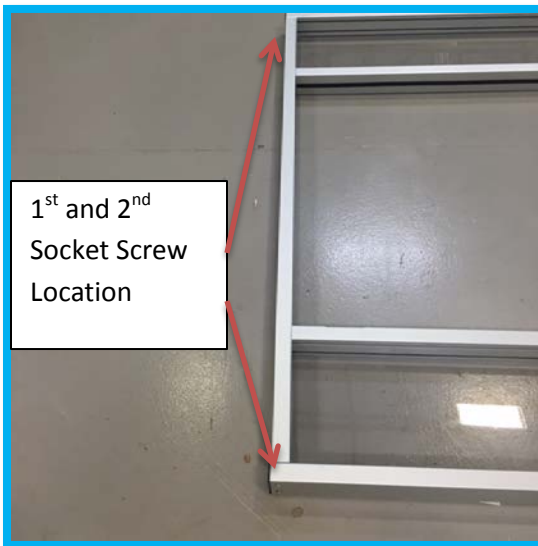
3. In the box you will find 2 separate doorframe panels, the door itself, and the header bar.



- Putting the door aside, position the header bar in between the 2 frame panels. The bar should be positioned off the ground and should sit flush with either frame.

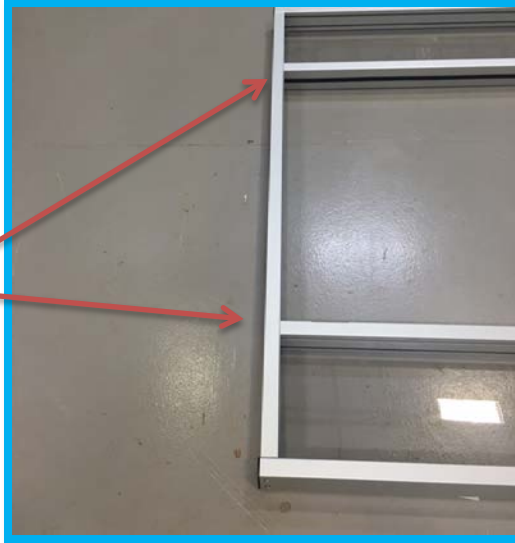


- Using an Allen key, tighten the header bar on opposite sides with the long socket screw. Once both sides have been tightened, put the black end caps on.



6. Continue to fasten the header bar in place by using the long socket screw on the inner 2 bars of the frame panels. Note that the header bar's flat surface should face outwards.

3rd and 4th
Socket Screw
Location



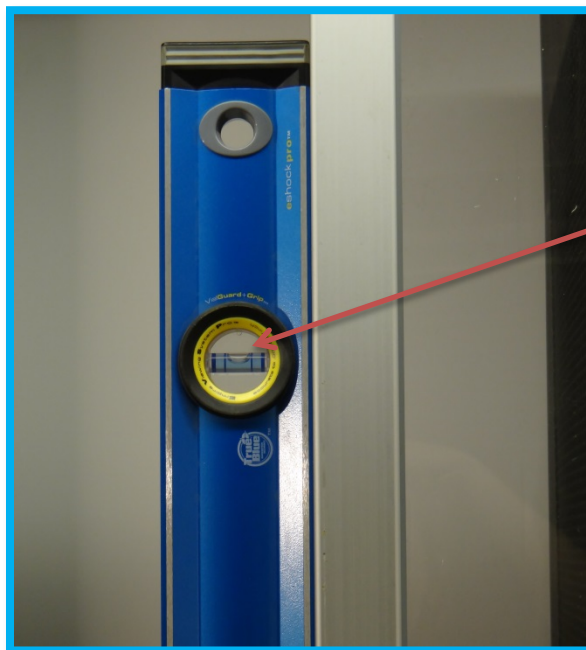
7. The header bar and the side panels are now connected. Using 2 people carefully lift up and place against aisle end. Position as desired. Make sure that the area is free from obstructions.



8. Measure to make sure that the doorway is square. The top and bottom measurements should equal each other.



9. Use the level to ensure that the frame is in the correct location and is not tilted in any way. Use the level on the sides and on top of the header bar.

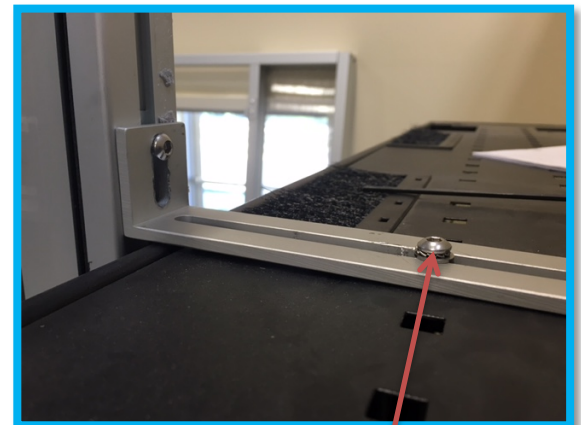
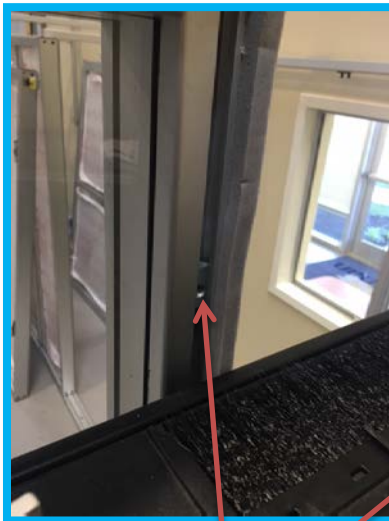


Frame is level

10. Using the drill, bolt down the frame to the floor at both door side panels. Each side panel should be drilled down at 2 locations.



11. On opposite posts, bolt the brackets to the doorpost and then to the cabinet. Make sure the door is flat against the cabinet so no air can escape. Note that all mounting details cannot be covered in this guide; conditions will dictate best method of attachment.



T-Bolt

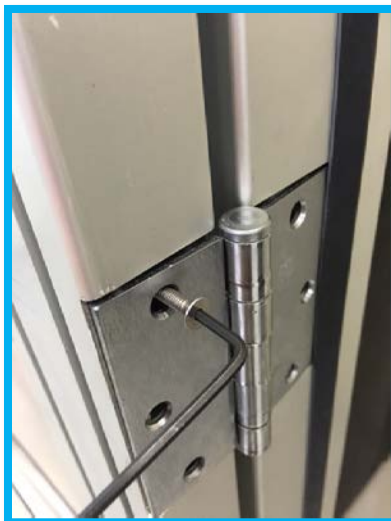
Nut, Bolt, and Washer

12. Stand the door against the left frame panel. Ensure that the 3 hinge extrusions pair up.



Hinge extrusions
are aligned

13. One at a time, place each hinge into an extrusion and, using an Allen key, bolt the hinge to the door and frame. The cylinder of the hinge should protrude outwards.



14. Verify that the doors are level again. Open and close the door to check.





15. You're done! The door has been successfully installed.



Thank you for choosing Tate!



Trouble Shooting

1. Door is not level, Door rubs floor when opening

The doors may not align properly if the floors are not level or if the Header is not fully bolted down.

2. Door does not seal properly

The doors will not seal correctly if the frame assembly is not square. Adjust the frame assembly by loosening