

**For 69" and 72" Tall Doors
and Panels Only**

Installation

Bradmar™ Restroom Partitions Overhead Braced - Series 400

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Read the instructions in this manual before beginning installation. Save these instructions and refer to them for inspection, maintenance and troubleshooting information.

For questions regarding the operation, installation or maintenance of this product, visit bradleycorp.com or call 800.BRADLEY (800.272.3539).

Product warranties and parts information may also be found on our website at bradleycorp.com.



Safety Information

To ensure proper operation:

Installation

Failure to comply with these instructions may result in personal injury and/or property damage and will void the partition warranty.

Personal protective equipment (PPE) is required during the installation and maintenance of this product.

Compliance and conformity to local codes and ordinances is the responsibility of the installer.

Before beginning installation, make sure that the wall and floor backing are adequate to support the secure mounting of the toilet compartment units.

Make sure all floors and walls are clean and smooth. Remove loose impediments, such as protruding nails and other debris which could affect installation.

Review your partition layout drawings and verify the number of stalls and components before beginning installation.

This installation manual provides instruction for the assembly of normal partition configurations and standard components. Non-standard configurations or components including but not limited to curved or angled walls, partial walls, oversized panels, or modified hardware are not covered in this manual.

To avoid product or property damage:

Carefully remove components from skid, do not drag.

To prevent warping, always lay the material flat. Do not lean the material against the wall or stack unevenly. Allow 24 hours for material to adjust to site environment. Partitions should be installed in a climate-controlled environment and shielded from direct sunlight.

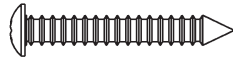
Supplies Required:

- Chalk line and pencil
- Flat blade and Phillips head screwdrivers
- Jigsaw or hacksaw
- Circular saw
- Two spring clamps
- 3/32", 7/64", 1/8", 5/32", 13/64", 7/32" and 1/4" drill bits
- Power drill or screw gun with drill bit extension
- Tape measure and 4' level
- 5/16" ceramic tile and masonry drill bit
- Hammer drill
- Spacers, 6" (152mm) and 9" (229mm) high and strong enough to support the panel

Hardware Provided



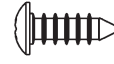
#14-16 Plastic
Anchor
FAST-T373



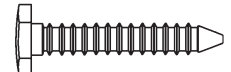
#14 x 2"
Button-Head
Sheet Metal Screw
TORX-T27 Drive
FAST-P002



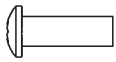
#14 x 5/8"
Button-Head
Sheet Metal Screw
TORX-T27 Drive
FAST-S0016



#14 x 3/4"
Button-Head
Sheet Metal Screw
TORX-T27 Drive
FAST-P001



5/16" x 1-1/2"
Hex Head
Lag Screw
FAST-S008



#10-24 x 3/4"
Button-Head
Barrel Nut
TORX-T27 Drive
FAST-P003



#8 x 1"
Flat Head
Sheet Metal Screw
Phillips Drive
FAST-P006



#10-24 x 3/4"
Button-Head
Shoulder Screw
TORX-T27 Drive
FAST-P004



#10 x 3/4"
Button-Head
Sheet Metal Screw
TORX-T25 Drive
FAST-P005



#10 x 5/8"
Button-Head
Sheet Metal Screw
Torx-T27 Drive
FAST-S0019



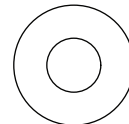
#6 x 3/4"
Phillips Flat-Head
Sheet Metal Screw
FAST-P011



#10 x 3/4"
Flat Head
Sheet Metal Screw
TORX-T25 Drive
FAST-S0006

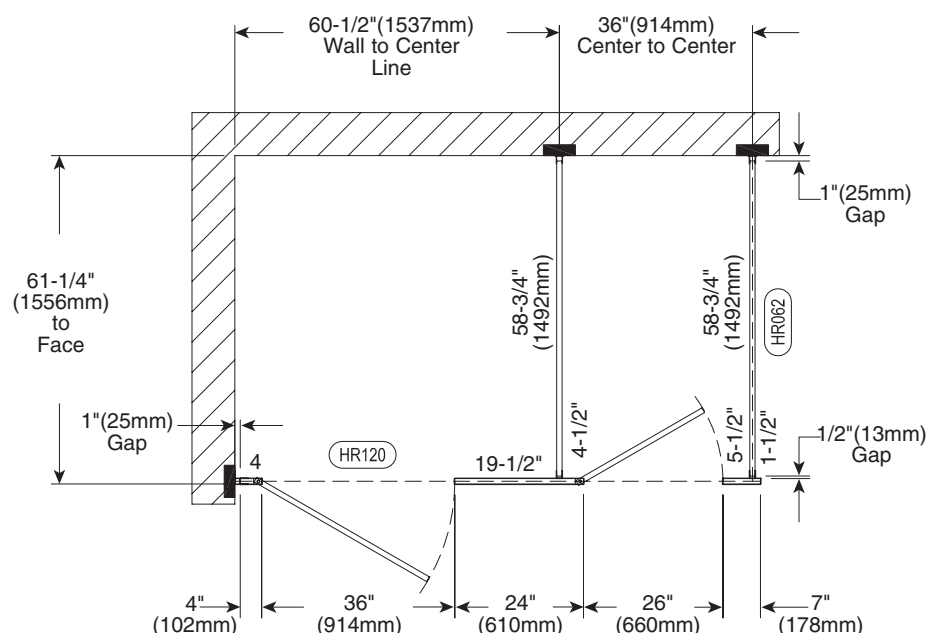


#10-24 x 2"
Flat Head
Machine Screw
TORX-T25 Drive
FAST-S0027




9/32" x 5/8"
Flat Washer
P10-449

Example of Submittal Drawing



1 Layout Dimensions - Continuous Brackets

 When installing the partition components, consult the applicable Mills Partition submittal drawing for compartment layout dimensions.

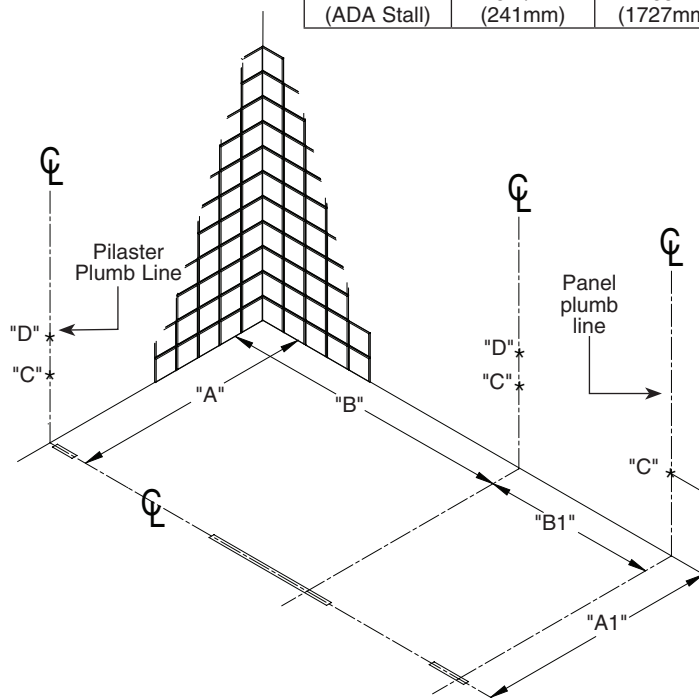
1. Pilaster Centerline: Measure from the back wall forward to the face of the compartment, subtract 1/2" (13mm) and mark this location on the floor ("A"). Mark the same measurement on the opposite end of your layout ("A1") and draw a straight line connecting both marks.

Freestanding (FS) Partitions: Refer to submittal drawings and determine the approximate location of the outside panels. Establish dimensions "A" and "A1" as explained above.




2. Panel Centerline: Measure the stall width across the back wall and place a mark at the base of the rear wall ("B"). Repeat this step for each panel, starting each measurement from the last panel centerline ("B1").
3. Draw a plumb line on all walls from each pilaster and panel centerline. From the highest point in the room, measure from the floor and place a mark on the pilaster/panel plumb line at dimension "C". Use a level to transfer that mark to all other plumb lines ("C").

In ADA stalls, using "C" as a reference point, measure up 3" to locate the "D" dimension.

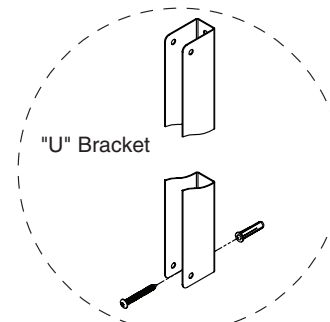
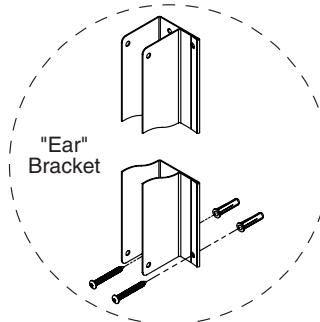
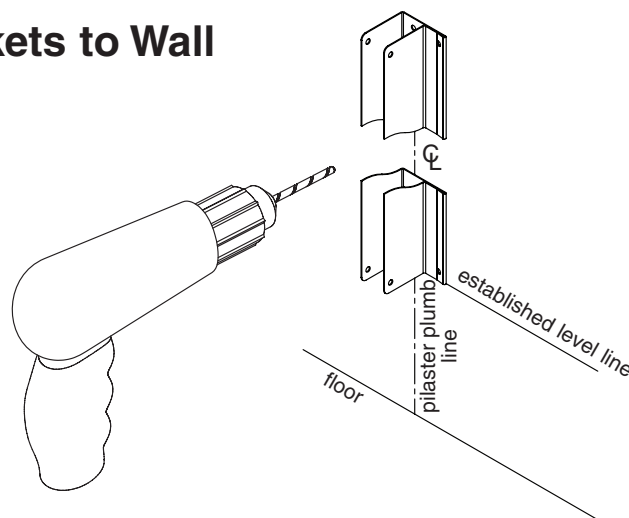
	A.F.F.	Bracket Height
Dim "C"	6-1/2" (165mm)	71" (1803mm)
Dim "D" (ADA Stall)	9-1/2" (241mm)	68" (1727mm)



2 Continuous Stainless Steel Brackets to Wall

-  On pilaster applications, position the bracket with the ear facing toward the inside of the stall.
-  Pilaster bracket is shown here; "Ear" brackets are for pilasters, and "U" brackets are for panels.
-  Brackets are used as templates, but since the hole patterns may be different, the brackets may not be interchangeable.

1. Place the bottom of each continuous bracket at the established level line. Center the bracket opening on the pilaster/panel plumb line.
2. Using the bracket as a template, mark the hole locations on the wall. Remove the bracket and drill a Ø5/16" hole (min. 2" [51mm] deep) at each hole location.
3. Insert the plastic anchors in all holes and secure the brackets to the wall with the #14 x 2" screws provided.



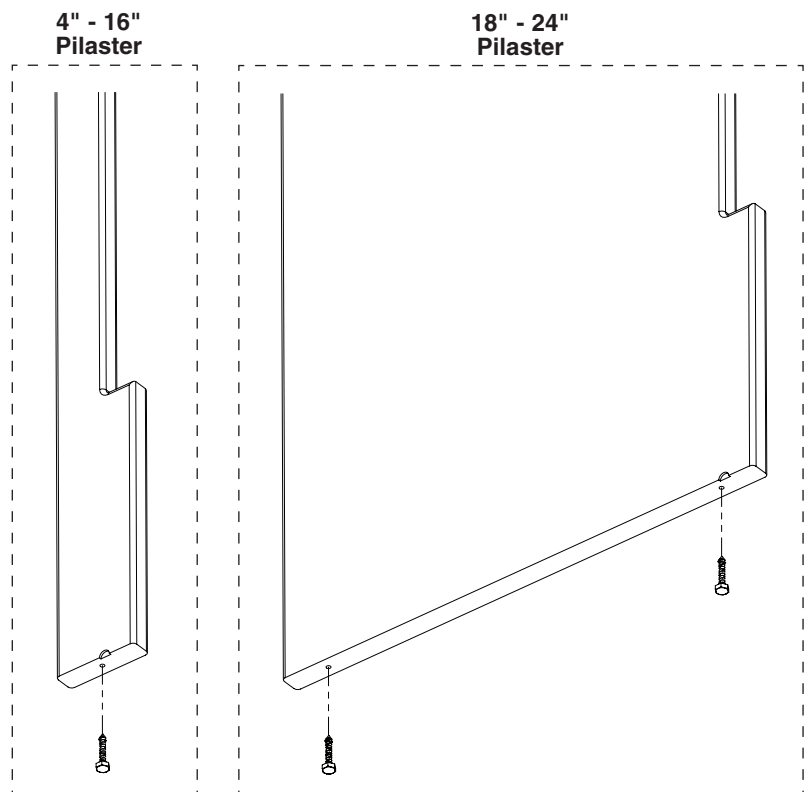
3 Leveling Screws to Pilaster



For integral hinge pilasters, a notch will be present on one end of the pilaster to indicate that it is the bottom.

1. 4" - 16" Pilaster: Center and drill a $\text{Ø}13/64$ " pilot hole, 1-1/2" (38mm) deep.

18" - 24" Pilaster: Drill (2) $\text{Ø}13/64$ " pilot holes, 1-1/2" (38mm) deep. Holes should be 2" (51mm) off each end of the pilaster.
2. Use leveling screw(s) to adjust height of pilaster as indicated based on pilaster width.



4 Continuous Brackets to Pilaster



Refer to the submittal drawing to locate the split dimension and layout location of each marked pilaster.



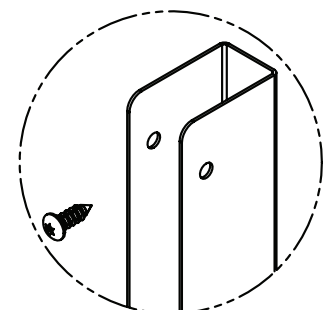
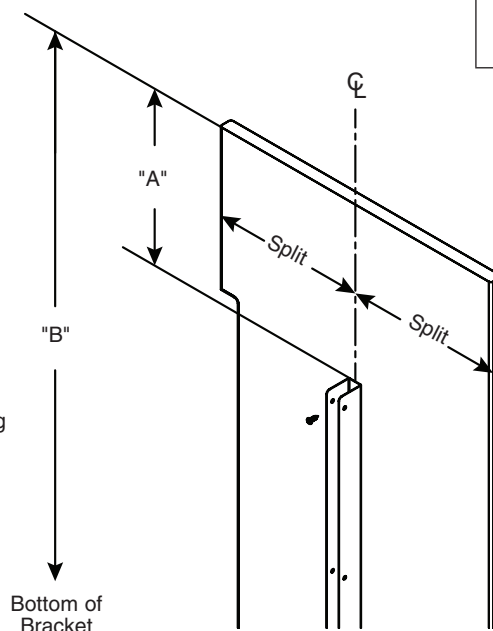
Brackets are used as templates, but since the hole patterns may be different, the brackets may not be interchangeable.



Pilaster shown is for reference only. Actual pilaster varies depending on application.

	Dim. "A"	Dim. "B"
69" Tall (ADA)	4" (102mm)	72" (1829mm)
72" Tall	4" (102mm)	75" (1905mm)

1. Measure down from the top of the pilaster and place a mark on the pilaster centerline at dimensions "A" and "B" for the respective bracket (see table).
2. Place the continuous bracket between each established level line. Center the bracket opening on the pilaster split centerline. Using the bracket as a template, mark the hole locations on the pilaster. Remove the bracket and drill a $\text{Ø}7/32$ " pilot hole, 3/4" (19mm) deep at each location.
3. Secure the continuous bracket to the pilasters using the #14 x 3/4" screws provided.

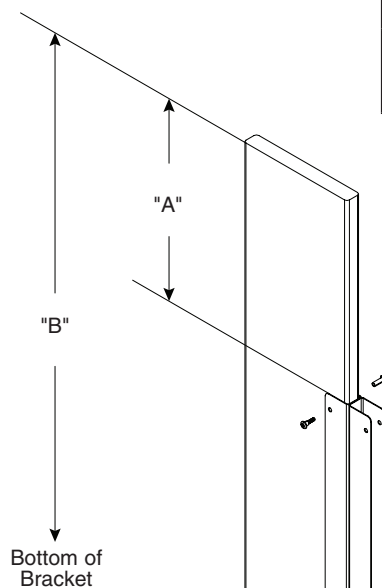


4a Alcove Brackets to Pilaster



Refer to the submittal drawing for the layout location of each alcove pilaster

1. Measure down from the top of the pilaster and place a mark on the side of the pilaster per dimensions shown for the respective bracket situation.
2. Center the bracket between each mark made in Step 1 and push tight against side of pilaster.
3. Using the bracket as a template, mark the hole locations on the pilaster. Remove the bracket and drill $\varnothing 1/4"$ holes through the pilaster at each location.
4. Secure the bracket to the pilaster using the #10-24 x 3/4" barrel nuts and #10-24 x 3/4" shoulder screws provided.



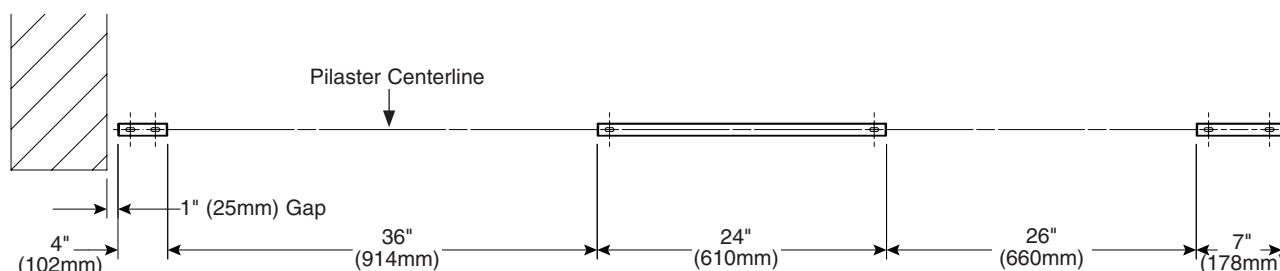
	Dim. "A"	Dim. "B"
69" Tall (ADA)	4" (102mm)	72" (1829mm)
72" Tall	4" (102mm)	75" (1905mm)

5 Pilaster Mounting Hardware

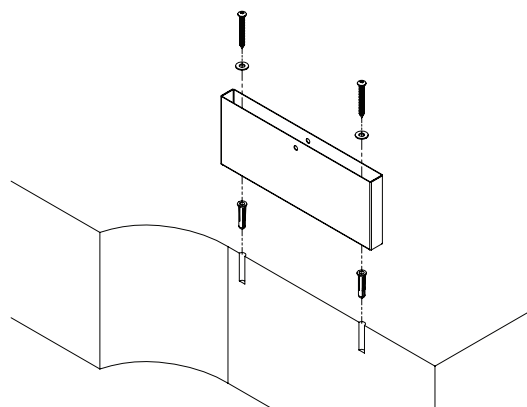
1. Starting with the pilaster closest to the wall, measure and mark the pilaster and door widths on the pilaster centerline. Make sure to leave the appropriate gap between the wall and the pilaster. Place the corresponding shoe on the pilaster centerline and center between the marks.



This view is an example only; refer to your submittal drawings for actual sizes.



2. Using the shoe as a template, mark the hole locations on the floor. Remove the shoe and drill $\varnothing 5/16"$ holes (min 2" (51mm) deep) into the floor. Make sure the holes are free of dirt and debris.
3. Insert plastic anchors into the holes and secure the shoe to the anchors using the 9/32" x 5/8" flat washer and #14 x 2" screws provided.



6 Pilasters and Panels with Stainless Steel Continuous Brackets

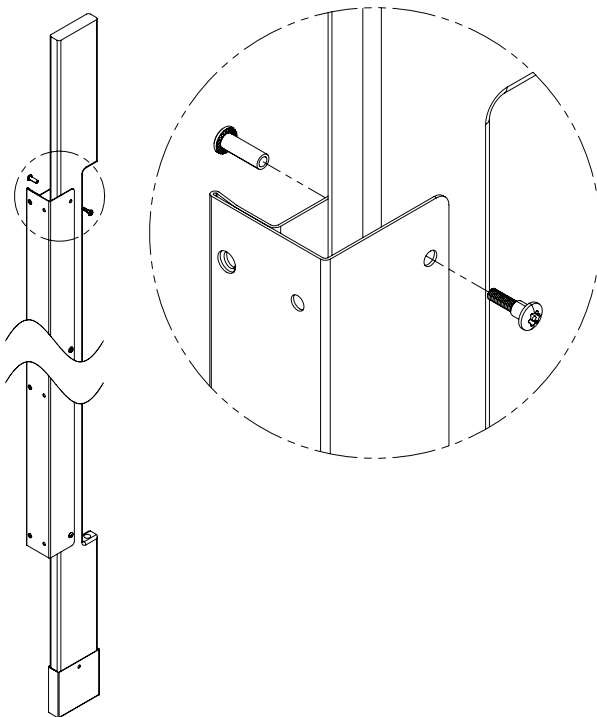
✓ Pilasters located at walls should be mounted first. Start at one end and install a panel, then a pilaster. Continue alternating until installation is complete. When installing in an alcove or in-corner, use an alcove bracket to secure the pilaster to the panel.

✓ Check to make sure the pilasters are plumb and level to each other. The pilaster height can be adjusted with the leveling screw that was placed at the bottom of the pilaster (see page 5 for attaching leveling screw).

Pilasters at Wall

✓ When installing pilaster at walls, the gaps range from 1/2" to 1-1/4" (13mm to 32mm). Refer to your submittal drawing for your gap sizes.

1. Place the pilaster within the shoe while at the same time placing the pilaster within the wall bracket.
2. Using the bracket as a template, drill Ø1/4" holes through the pilaster at each pilaster bracket hole. Secure the pilaster to the bracket using the #10-24 x 3/4" barrel nuts and #10-24 x 3/4" shoulder screws provided.

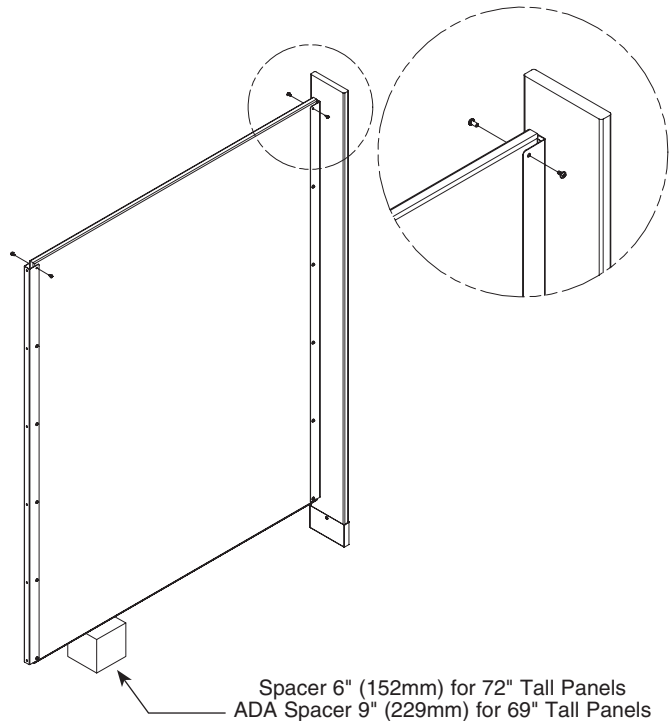


Pilasters with Panels (Single Panel)

✓ An aluminum heatsink is secured to one end of the panel to indicate the bottom.

✓ Refer to your submittal drawing and leave the appropriate gaps. Standard gap is 1" (25mm) between the panel and wall and 1/2" (13mm) between the panel and pilaster.

1. Orientate the panel so the heatsink is on the bottom. Place the panel on the spacer and insert the panel into the wall bracket.
2. Place the pilaster within the shoe while at the same time placing the bracket around the panel.
3. Using the bracket as a template, drill Ø1/4" holes through the panel at each panel bracket hole. Secure the panel to the bracket using the #10-24 x 3/4" barrel nuts and #10-24 x 3/4" shoulder screws provided.

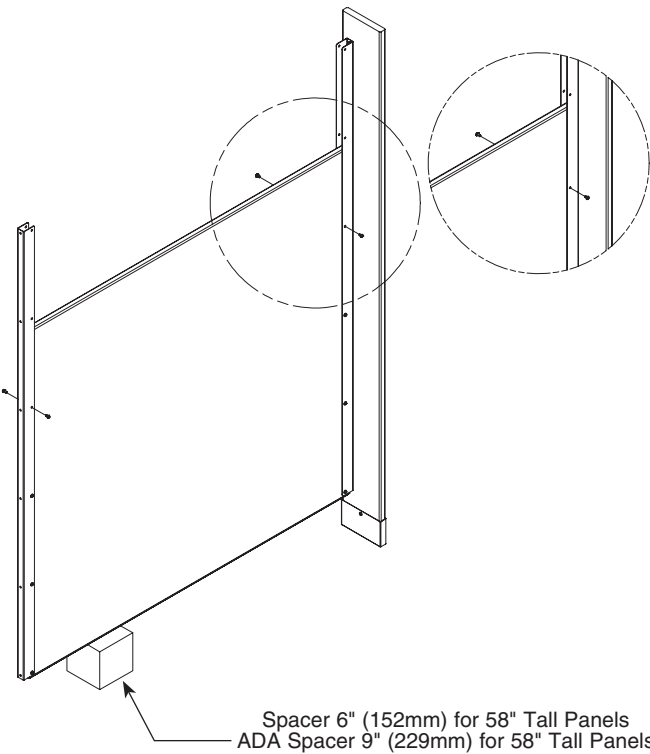


6a Pilasters and Panels with Stainless Steel Continuous Brackets

- ☒ Check to make sure the pilasters are plumb and level to each other. The pilaster height can be adjusted with the leveling screw that was placed at the bottom of the pilaster (see page 5 for attaching leveling screw).

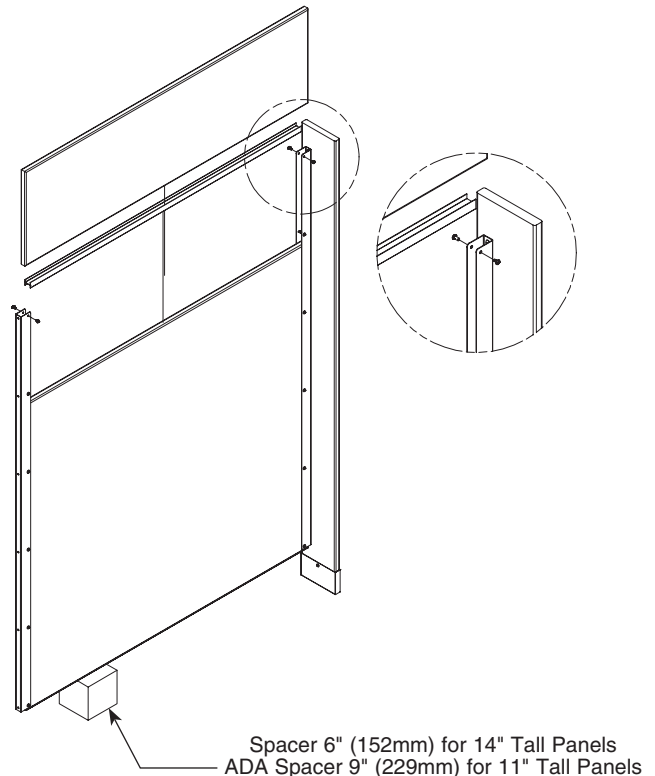
Pilasters with Panels (Stacked Panels - Bottom)

- ☒ An aluminum heatsink is secured to one end of the panel to indicate the bottom.
- ☒ Refer to your submittal drawing and leave the appropriate gaps. Standard gap is 1" (25mm) between the panel and wall and 1/2" (13mm) between the panel and pilaster.
1. Orientate the panel so the heatsink is on the bottom. Place the panel on the spacer and insert the panel into the wall bracket.
 2. Place the pilaster within the shoe while at the same time placing the bracket around the panel.
 3. Using the bracket as a template, drill Ø1/4" holes through the bottom panel at each panel bracket hole. Secure the panel to the bracket using the #10-24 x 3/4" barrel nuts and #10-24 x 3/4" shoulder screws provided.



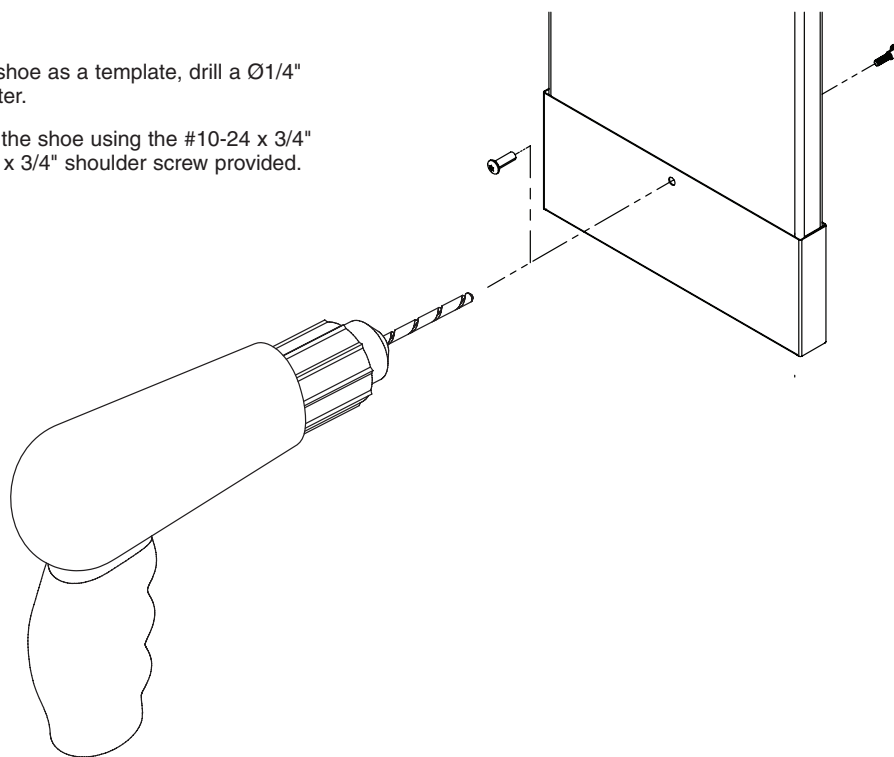
Pilasters with Panels (Stacked Panels - Top)

- ☒ Refer to your submittal drawing and leave the appropriate gaps. Standard gap is 1" (25mm) between the panel and wall and 1/2" (13mm) between the panel and pilaster.
4. Cut the "H" bracket to fit between the "U" brackets and place onto the bottom panel. Place top panel into "H" and "U" brackets as shown.
 5. Using the bracket as a template, drill Ø1/4" holes through the top panel at each panel bracket hole. Secure the panel to the bracket using the #10-24 x 3/4" barrel nuts and #10-24 x 3/4" shoulder screws provided.



7 Pilaster Shoes

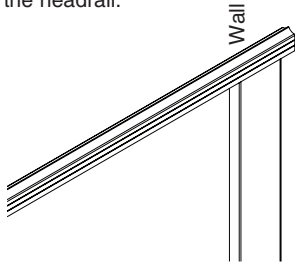
1. Using the hole in the shoe as a template, drill a Ø1/4" hole through the pilaster.
2. Secure the pilaster to the shoe using the #10-24 x 3/4" barrel nut and #10-24 x 3/4" shoulder screw provided.



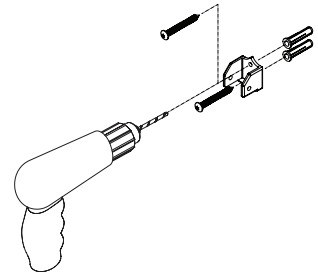
8 Headrail

- ✓ Make sure the pilasters are plumb and that the pilaster has been secured to the shoe. Leave the appropriate door opening between the pilasters as shown on your submittal drawing.
- ✓ The illustrations on this page show mounting hardware and fasteners for a generic application. Refer to your submittals to determine your actual headrail configurations.
- ✓ Some headrail sections may need to be cut to an appropriate size. Refer to your submittals for general headrail placement.
- ✓ Headrail configurations that come to an intersection should meet over a pilaster (see completed headrail assembly view below).

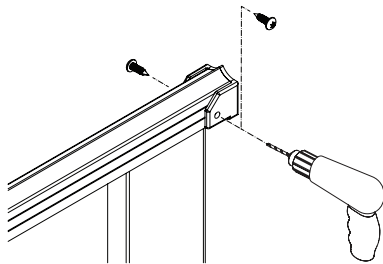
1. Place headrail over the top of each pilaster located at the wall and slide it tight against the side wall. Mark the outline of the headrail on the wall and remove the headrail.



2. Place the headrail bracket on the outline marked on the wall and mark the locations of the mounting holes. Remove bracket and drill (2) Ø5/16" holes at a minimum of 2" (51mm) deep. Prior to securing to the wall, enlarge the (2) back mounting holes of the bracket to Ø1/4". Secure the bracket to the wall with the #14 x 2" screws and plastic anchors provided.

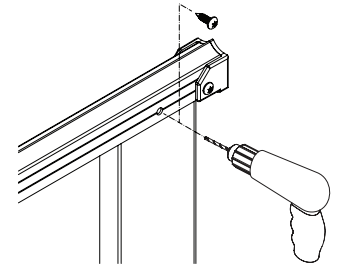


3. Place headrail over the top of the pilasters and slide it tight into the mounting bracket. Use the mounting bracket as a template and drill a Ø7/32" hole through the headrail. Secure the headrail to the mounting bracket with the #10 x 5/8" screws provided.

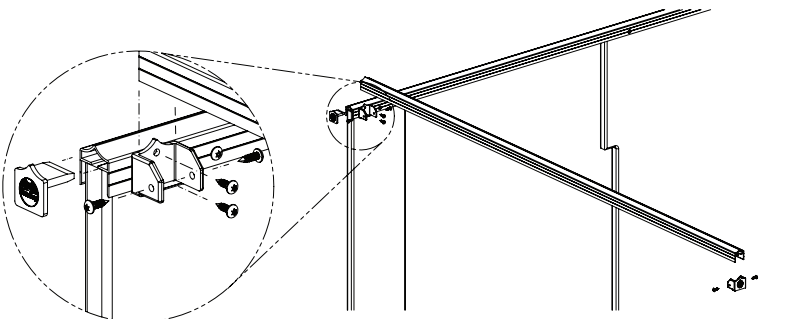


4. Make sure the pilaster is plumb and that the spacing between the pilasters for the doors is the correct dimension. On the back of each pilaster (starting with the first pilaster), drill a Ø7/32" hole through one face of the headrail only.

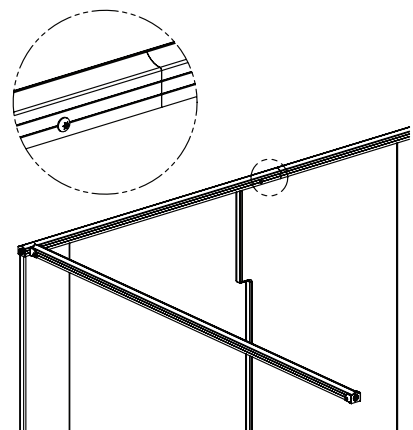
Using this hole as a template, drill a Ø1/8" pilot hole into the pilaster, 5/8" (16mm) deep. Secure the headrail to the back of each pilaster with the #10 x 5/8" screws provided.



5. For open end applications, cut the headrail to the appropriate length (if required). Attach the bracket to the wall at the correct height (see Step 2). Attach another bracket to a pilaster with #10 x 5/8" screws at the correct height (see view below). The headrail should be level with any adjacent headrail and should be located directly over the panel. Position each headrail onto the brackets and secure with required fasteners (see Step 3). Using a rubber mallet, install the headrail end cap.

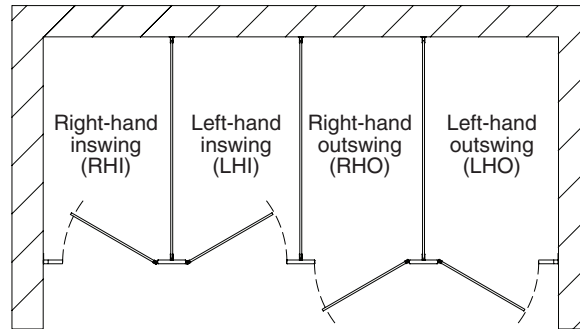


Completed Headrail Assembly



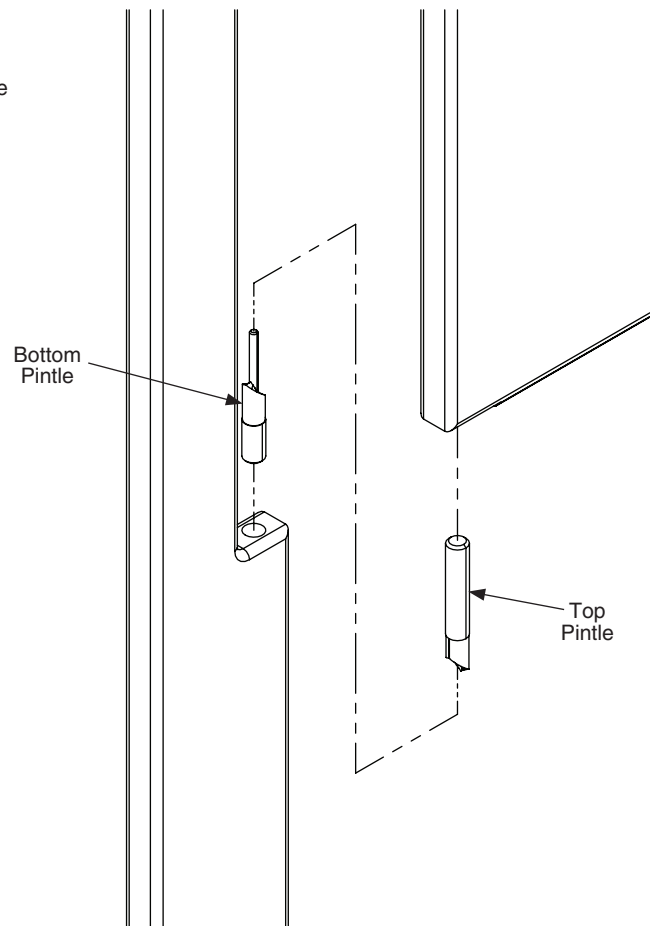
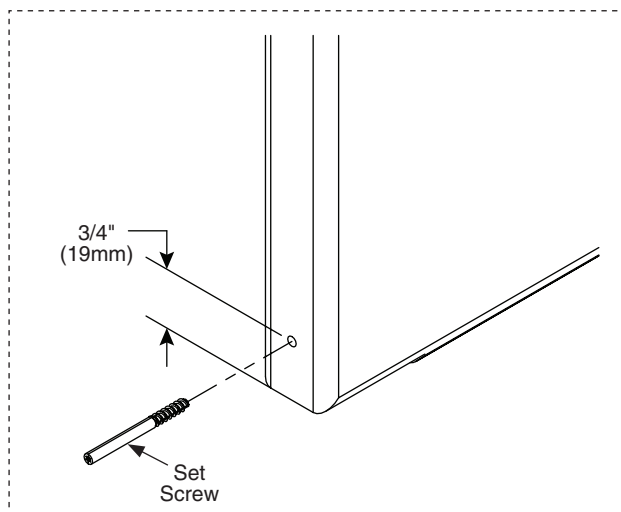
9 Integral Hinges (Standard)

- ✓ Before installing the hinges, make sure the door openings are the appropriate size, all pilasters are plumb and secured to the shoe, and that the headrail is installed.
- ✓ Refer to your submittal drawings to determine each specific door swing for your application. The door swing is determined by facing the compartment from the outside. The image below can help determine the door swing type.



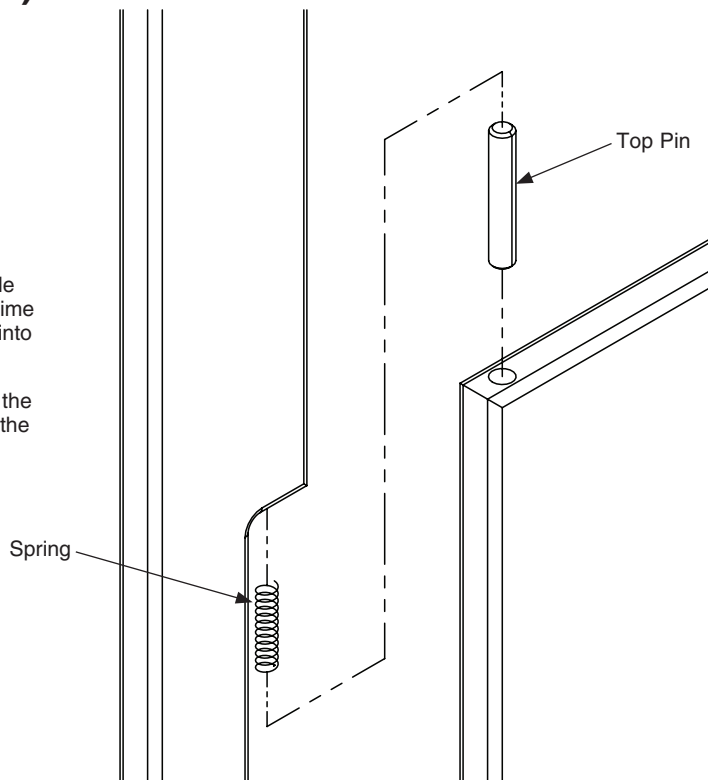
- ✓ An aluminum heatsink is secured to one end of the door to indicate the bottom.
- ✓ Top and bottom pintles are pre-lubricated for your convenience. Do not remove lubricant.

1. Orientate the door so the heatsink is on the bottom. Place the top pintle into the pre-drilled hinge hole on the bottom of the door. Use the bottom pintle to push the top pintle into the door until it bottoms out.
2. Measure approximately 3/4" (19mm) up from the bottom of the door and place a mark centered on the hinge side door edge.
3. Drill a Ø1/8" pilot hole, at least 1-1/2" (38mm) deep (pilot hole should penetrate the top pintle within the door). Screw the set screw in flush with the door's surface.
4. Insert the bottom pintle into the lower pre-drilled hinge hole on the pilaster. Place door onto the bottom pintle and rotate to engage the pintles.

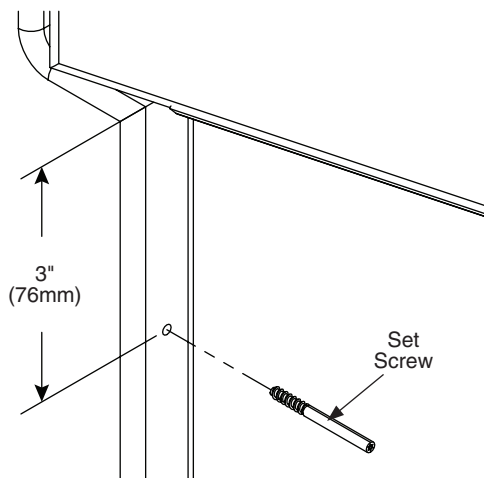


9 Integral Hinges - (Continued)

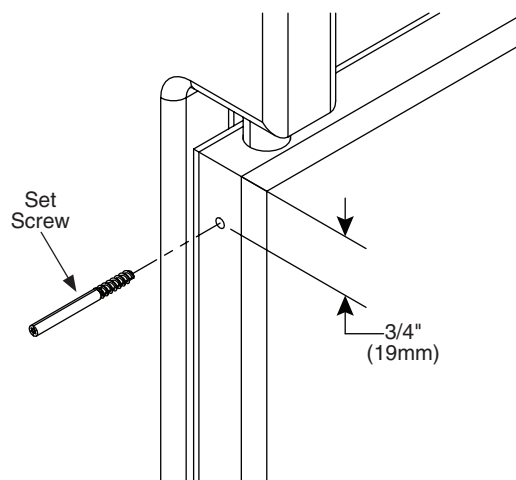
5. Place the spring and top pin into the upper pre-drilled hinge hole on the pilaster. Push pin into the hinge hole while at the same time moving the door into position. Release the top pin and guide it into the top pre-drilled hinge hole on the door.
6. Rotate the door to the desired "at rest" position. Push down on the door while maintaining the desired "at rest" position. (This sets the pintles in the bottom hinge).



7. With the door in the desired "at rest" position, measure approximately 3" (76mm) down from the top of the pilaster cutout and place a mark centered on the pilaster edge.
8. Drill a $\text{Ø}1/8$ " pilot hole, at least 1-1/2" (38mm) deep (pilot hole should penetrate the bottom pintle within the pilaster). Screw the set screw in flush with the pilaster's surface.



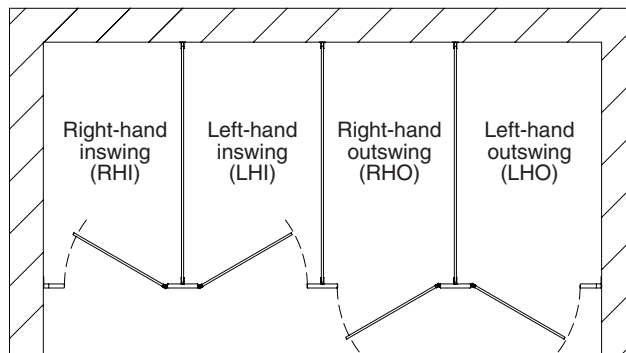
9. Measure approximately 3/4" (19mm) down from the top of the door and place a mark centered on the hinge side door edge.
10. Drill a $\text{Ø}1/8$ " pilot hole, at least 1-1/2" (38mm) deep (pilot hole should penetrate the top pin within the door). Screw the set screw in flush with the door's surface.



If the door is installed and pinned correctly, the door will "rise" slightly on the pintles as the door is opened.

9a Continuous Spring-Loaded Piano Hinge (Optional)

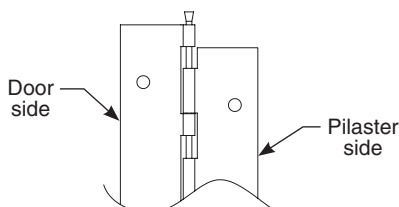
- ☒ Before installing the hinges, make sure the door openings are the appropriate size, all pilasters are plumb and secured to the shoe, and that the headrail is installed.
- ☒ Refer to your submittal drawings to determine each specific door swing for your application. The door swing is determined by facing the compartment from the outside. The image below can help determine the door swing type.



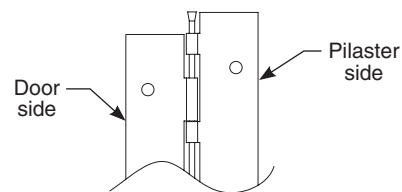
Continuous Piano Hinge

The part numbers listed are for hinges only and are used to determine the door swing as shown above. Inswinging doors should have hinges mounted on the inside of the stall while outswinging doors should have hinges mounted on the outside of the stall.

Part # HDWT-S0472 (68-1/2")
HDWT-S0408 (71-1/2")
(left hand in, right hand out,
knuckles facing front)

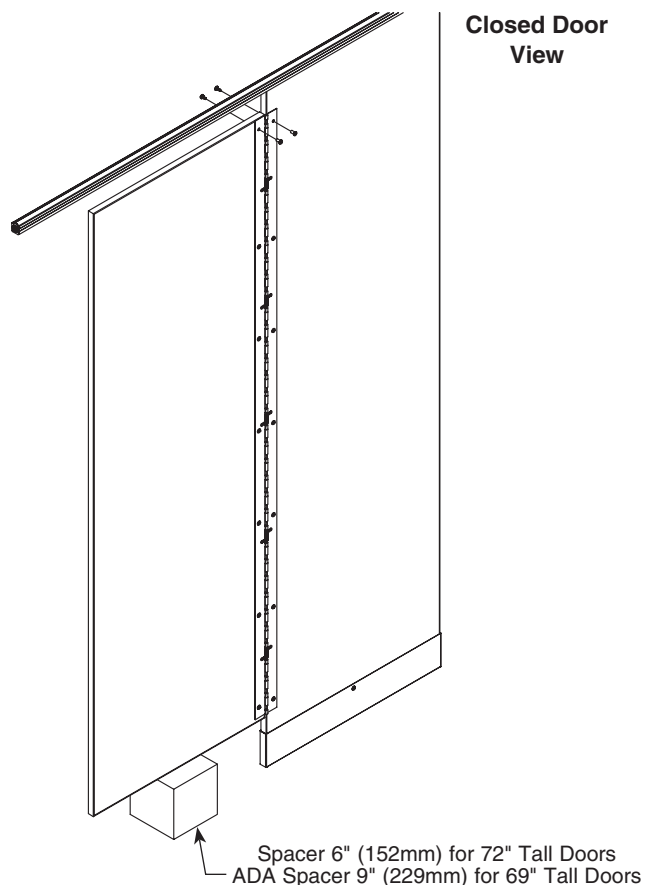


Part # HDWT-S0471 (68-1/2")
HDWT-S0407 (71-1/2")
(right hand in, left hand out,
knuckles facing front)



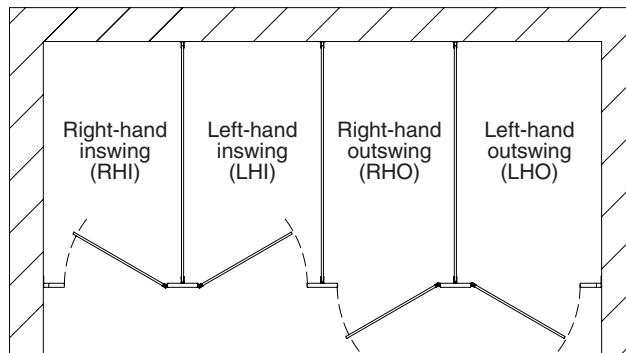
- ☒ An aluminum heatsink is secured to one end of the door to indicate the bottom.

1. Orientate the door so the heatsink is on the bottom. Place on a 6" (152mm) spacer (9" (229mm) for ADA) and set the door gaps. Standard hinge side gap is 3/16" (5mm).
2. Position the hinge so it is plumb and centered within the 3/16" (5mm) gap and centered top to bottom (approximately 1/4" (6mm) down from the top of the door).
3. Using the hinge as a template, drill Ø1/4" holes through the door at the top and bottom holes. Secure the hinge to the door using the #10-24 x 3/4" barrel nuts and #10-24 x 3/4" shoulder screws provided.
4. Verify the hinge side gap is still at 3/16" (5mm). Using the hinge as a template, drill Ø1/4" holes through the pilaster at the top and bottom holes. Secure the hinge to the pilaster using the #10-24 x 3/4" barrel nuts and #10-24 x 3/4" shoulder screws provided.
5. Using the hinge as a template, drill Ø1/4" holes for all remaining hinge holes through both the door and pilaster. Secure hinge with fasteners provided.



9b Continuous Cammed Piano Hinge (Optional)

- ✓ Before installing the hinges, make sure the door openings are the appropriate size, all pilasters are plumb and secured to the shoe, and that the headrail is installed.
- ✓ Refer to your submittal drawings to determine each specific door swing for your application. The door swing is determined by facing the compartment from the outside. The image below can help determine the door swing type.



Inswing Standard: 20 Degrees
 Inswing ADA: 0 Degrees
 Outswing Standard: 0 Degrees
 Outswing ADA: 0 Degrees

Continuous Cammed Piano Hinge

The part numbers listed are for hinges only and are used to determine the door swing as shown above. Inswinging doors should have hinges mounted on the inside of the stall while outswinging doors should have hinges mounted on the outside of the stall.

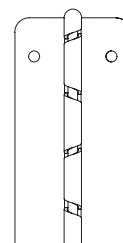
Part # HDWT-S0404-71 (71")

(20 degrees open cam hinge, knuckles facing front)

Part # HDWT-S0403-68 (68")

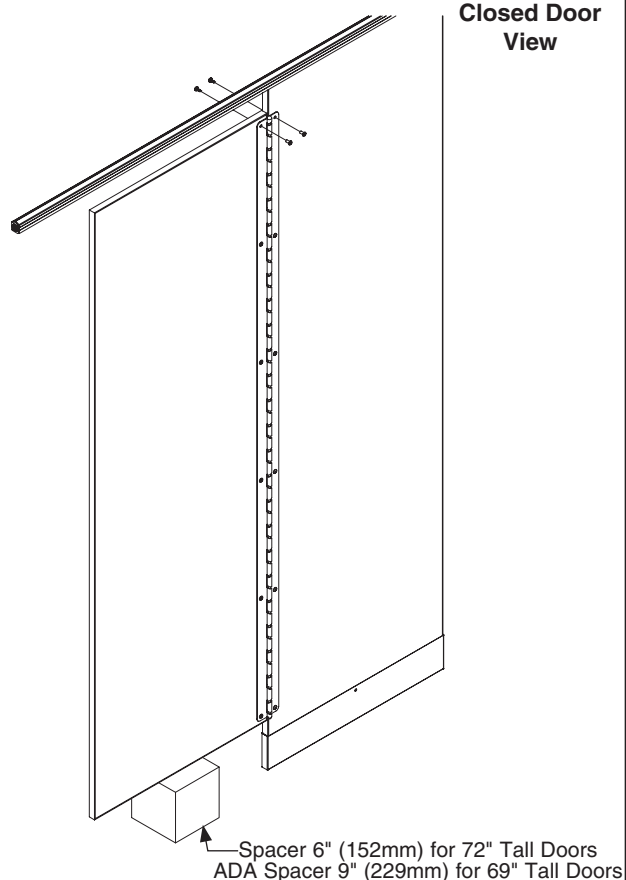
HDWT-S0403-71 (71")

(zero-degree open cam hinge, knuckles facing front)





- ✓ An aluminum heatsink is secured to one end of the door to indicate the bottom.

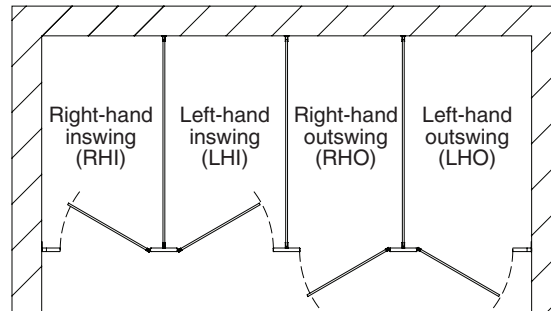
- Orientate the door so the heatsink is on the bottom. Place on a 6" (152mm) spacer (9" (229mm) for ADA) and set the door gaps. Standard hinge side gap is 3/16" (5mm).
- Position the hinge so it is plumb and centered within the 3/16" (5mm) gap and centered top to bottom (approximately 1/2" (13mm) down from the top of the door).
- Using the hinge as a template, drill Ø1/4" holes through the door at the top and bottom holes. Secure the hinge to the door using the #10-24 x 3/4" barrel nuts and #10-24 x 3/4" shoulder screws provided.
- Verify the hinge side gap is still at 3/16" (5mm). Using the hinge as a template, drill Ø1/4" holes through the pilaster at the top and bottom holes. Secure the hinge to the pilaster using the #10-24 x 3/4" barrel nuts and #10-24 x 3/4" shoulder screws provided.
- Using the hinge as a template, drill Ø1/4" holes for all remaining hinge holes through both the door and pilaster. Secure hinge with fasteners provided.



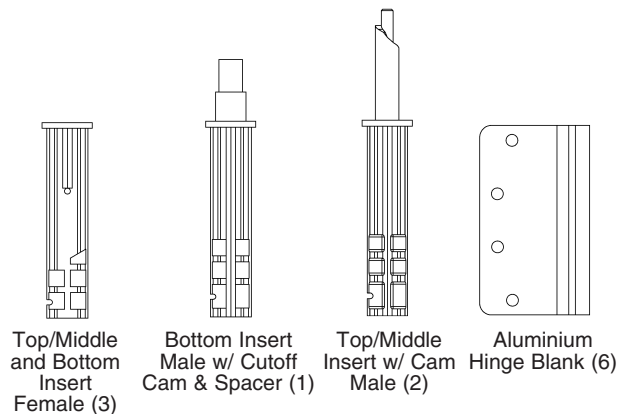
Spacer 6" (152mm) for 72" Tall Doors
 ADA Spacer 9" (229mm) for 69" Tall Doors

9c Aluminum Wraparound Hinge (Optional)


-  Before installing the hinges, make sure the door openings are the appropriate size, all pilasters are plumb and secured to the shoe, and that the headrail is installed.
-  Refer to your submittal drawings to determine each specific door swing for your application. The door swing is determined by facing the compartment from the outside. The image below can help determine the door swing type.

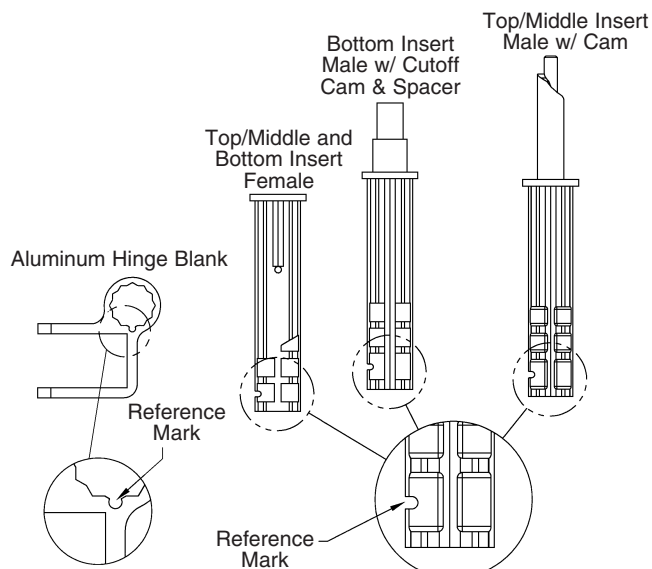


1. Separate the hinge components and ensure all parts are included as shown.



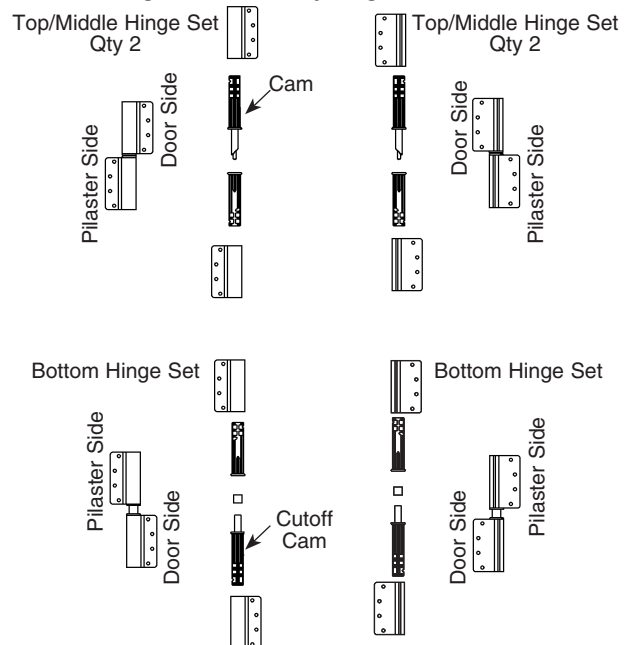
3. Align the reference marks of the inserts and hinge blanks as shown.

-  Hinge blanks and inserts have reference marks that are used in setting the hinge position. The top hinge contains the cam and the bottom hinge has the cutoff cam with spacer.

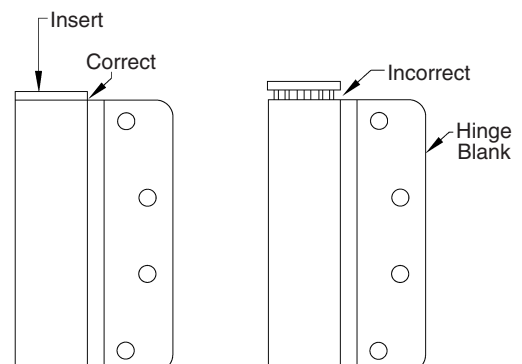


2. Find the hinge assembly that coincides with the door swing. Arrange the hinge sets as shown.

Left In and Right Out Assembly Right In and Left Out Assembly



4. Assemble inserts into the hinge blanks making sure the insert collar fits tightly against each of the hinge blanks.



9c Aluminum Wraparound Hinge (Continued)

5. Determine and set the "at rest" position of the door by adjusting the position of the top/middle male insert within the hinge blank (see detail below).

6. Orientate the door so the heatsink is on the bottom. Position the upper hinge blank of the top hinge set so that it is 2" (51mm) from the top of the door. Using the hinge as a template, drill a $\varnothing 3/32$ " pilot hole, 1" (25mm) deep into the door edge. Secure the hinge to the door using the #8 x 1" screw provided.

Repeat for the other two sets of hinges. The lower hinge blank of the bottom hinge set should be positioned 2" (51mm) from the bottom of the door. The middle hinge set should be approximately centered on the door.

7. Using hinges as a template, drill $\varnothing 1/4$ " holes through the door for all hinge holes. Secure the hinge to the door using the #10-24 x $3/4$ " barrel nuts and #10-24 x $3/4$ " shoulder screws provided.

8. Place the included cardboard spacer on the male insert of the bottom hinge set. Assemble and position on the door the missing halves of all hinge sets. Use a piece of tape to hold the hinge sets together.

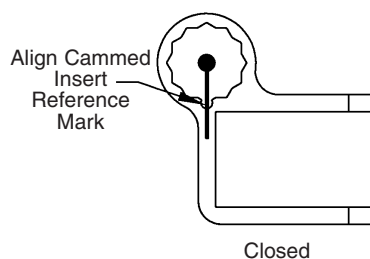
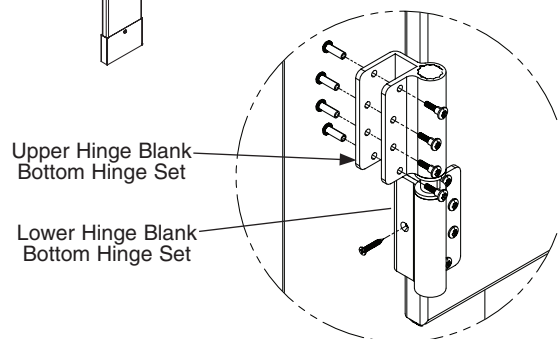
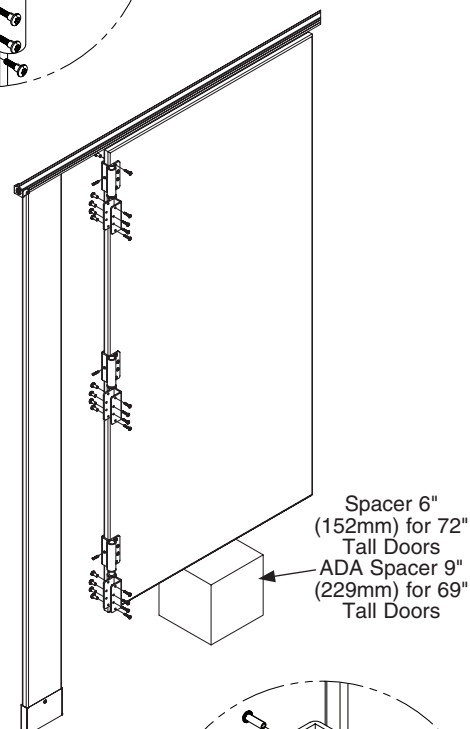
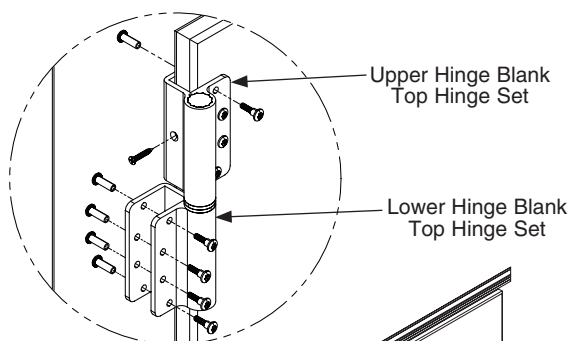


Make sure all hinge sets are fully engaged with each other. The cardboard spacer used on the bottom hinge will set the needed knuckle gap for the cam to function properly.

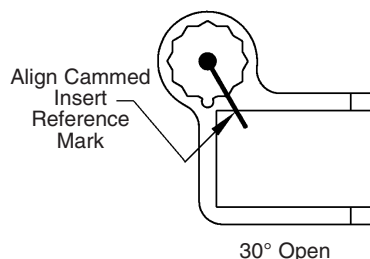
9. Place door on a 6" (152mm) (9" (229mm) for ADA) spacer and slide into position. Make sure all hinge blanks slip around the pilaster and are tight against the pilaster edge.

10. Using all hinges as a template, drill $\varnothing 1/4$ " holes through the pilaster for all hinge holes. Secure the hinge to the pilaster using the #10-24 x $3/4$ " barrel nuts and #10-24 x $3/4$ " shoulder screws provided.

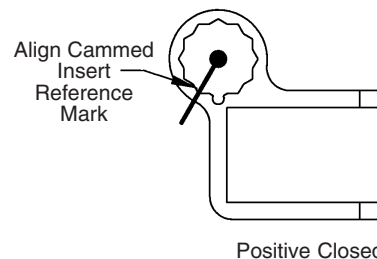
11. Remove tape and cardboard spacer from the hinge sets.



Closed



30° Open



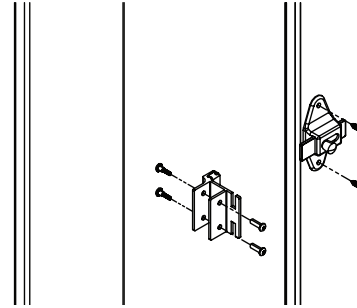
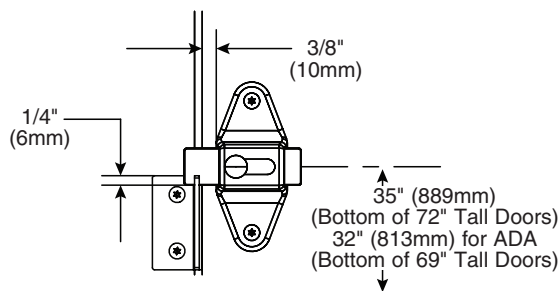
Positive Closed

10 Door Hardware for Inswing Doors - Stainless



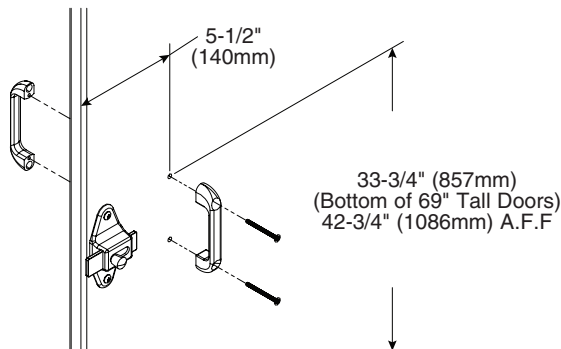
Local codes vary from state to state. Check your local codes before installing the coat hook and door pulls.

1. Position latch per dimensions below with the leading edge 3/8" (10mm) from the door edge. Using the latch as a template, mark the hole locations and drill Ø7/32" pilot holes, 3/4" (19mm) deep. Secure latch to door with the #14 x 3/4" screws provided.

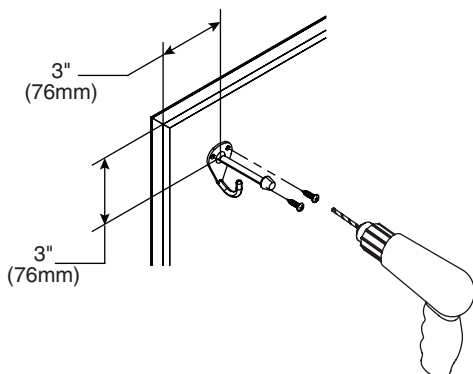


2. With the door in the closed position, place the strike/keeper on the pilaster and align the top so it is 1/4" (6mm) above the bottom of the latch slide bar. Using the strike/keeper as a template, mark the hole locations and drill Ø1/4" holes through the pilaster. Secure the strike/keeper to the pilaster with the #10-24 x 3/4" barrel nuts and #10-24 x 3/4" shoulder screws provided.

3. For 32" - 36" ADA doors only, mark the location for the top hole on the inside face of the door 33-3/4" (857mm) up from the bottom of 69" tall doors (42-3/4" [1086mm] above finished floor) and 5-1/2" (140mm) from the door edge. Drill (2) Ø1/4" holes (spaced 3-1/2" [89mm] apart) through the door and secure the door pulls to the door as shown with the #10-24 x 2" flat machine screws provided.

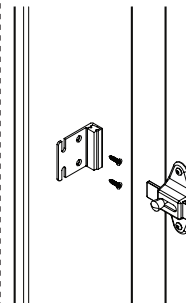


4. Place the coat hook 3" (76mm) down from the top and 3" (76mm) from the latch side of the door (hook goes on the inside face of the door). Using the hook as a template, drill (2) Ø5/32" pilot holes, 3/4" (19mm) deep. Secure with the #10 x 3/4" screws provided.



Flat Strike/Keeper

5. With the door in the closed position, place flat strike/keeper so the latch slide bar fits within the top notch.



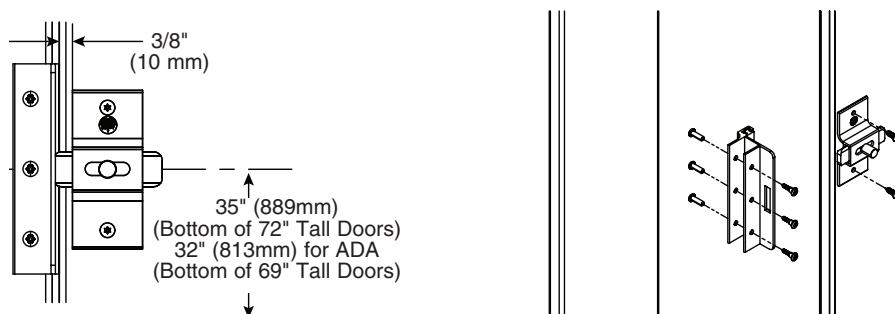
6. Using the flat strike/keeper as a template, drill (2) Ø5/32" pilot holes, 3/4" (19mm) deep. Secure the flat strike/keeper to the pilaster using the #10 x 3/4" flat head screws provided.

10a Door Hardware for Inswing Doors - Aluminum



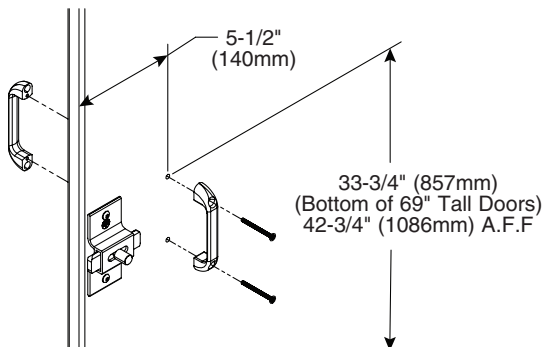
Local codes vary from state to state. Check your local codes before installing the coat hook and door pulls.

- A** Position latch per dimensions below with the leading edge 3/8" (10mm) from the door edge. Using the latch as a template, mark the hole locations and drill Ø7/32" pilot holes, 3/4" (19mm) deep. Secure latch to door with the #14 x 3/4" screws provided.



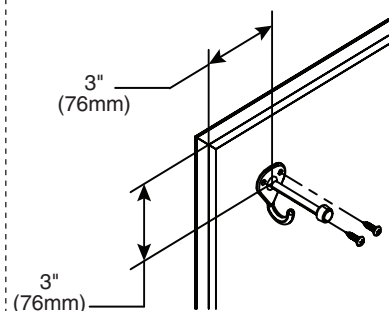
- B** With the door in the closed position, place the strike/keeper on the pilaster and align the slot so it is centered around the latch slide bar. Using the strike/keeper as a template, mark the hole locations and drill Ø1/4" holes through the pilaster. Secure the strike/keeper to the pilaster with the #10-24 x 3/4" barrel nuts and #10-24 x 3/4" shoulder screws provided.

- C** For 32" - 36" ADA doors only, mark the location for the top hole on the inside face of the door 33-3/4" (857mm) up from the bottom of 69" tall doors (42-3/4" [1086mm] above finished floor) and 5-1/2" (140mm) from the door edge. Drill (2) Ø1/4" holes (spaced 3-1/2" [89mm] apart) through the door and secure the door pulls to the door as shown with the #10-24 x 2" flat machine screws provided.



D

Place coat hook 3" (76mm) down from the top and 3" (76mm) from the latch side of the door (hook goes on the inside face of the door). Using the hook as a template, drill (2) Ø5/32" pilot holes, 3/4" (19mm) deep. Secure with the #10 x 3/4" screws provided.



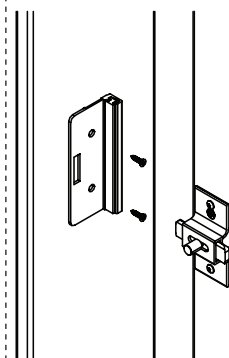
E

With the door in the closed position, place flat strike/keeper on the pilaster and align the slot so it is centered around the latch slide bar.

F

Flat Strike/Keeper: Using the flat strike/keeper as a template, drill (2) Ø5/32" pilot holes, 3/4" (19mm) deep. Secure the flat strike/keeper to the pilaster using the #10 x 3/4" flat head screws provided.

Flat Strike/Keeper

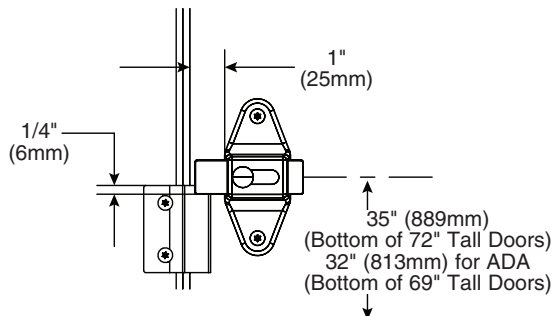


10b Door Hardware for Outswing Doors - Stainless



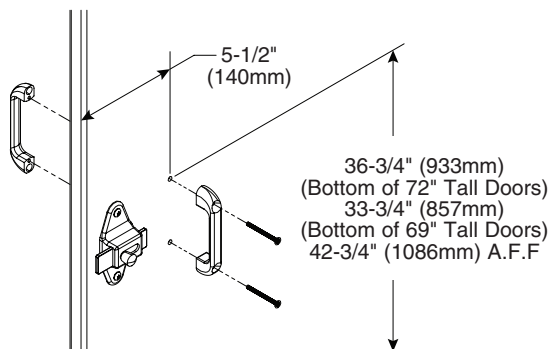
Local codes vary from state to state. Check your local codes before installing the coat hook and door pulls.

1. Position latch per dimensions below with the leading edge 1" (25mm) from the door edge. Using the latch as a template, mark the hole locations and drill $\varnothing 7/32$ " pilot holes, $3/4$ " (19mm) deep. Secure latch to door with the #14 x $3/4$ " screws provided.

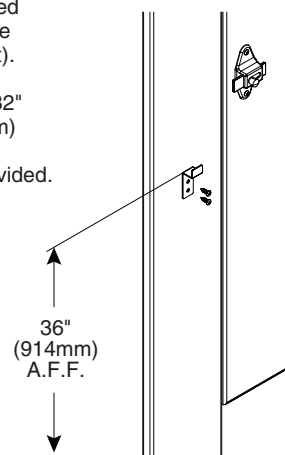


2. With the door in the closed position, place the strike/keeper on the pilaster and align the top so it is $1/4$ " (6mm) above the bottom of the latch slide bar. Using the strike/keeper as a template, mark the hole locations and drill $\varnothing 1/4$ " holes through the pilaster. Secure the strike/keeper to the pilaster with the #10-24 x $3/4$ " barrel nuts and #10-24 x $3/4$ " shoulder screws provided.

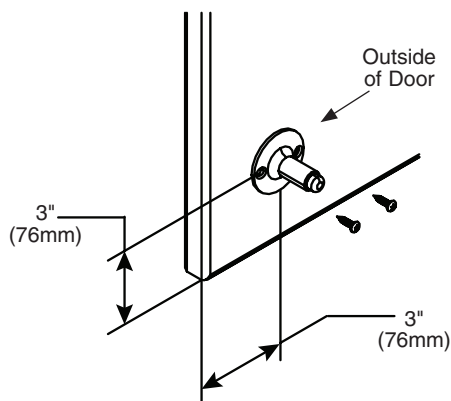
3. Mark the location for the top hole on the inside face of the door per dimensions below and 5-1/2" (140mm) from the door edge. Drill (2) $\varnothing 1/4$ " holes (spaced 3-1/2" [89mm] apart) through the door and secure the door pulls to the door as shown with the #10-24 x 2" flat machine screws provided.



4. Position the coat hook 36" (914mm) above finished floor (hook goes on the inside of compartment). Using the hook as a template, drill (2) $\varnothing 7/32$ " pilot holes, $3/4$ " (19mm) deep. Secure with the #14 x $3/4$ " screws provided.

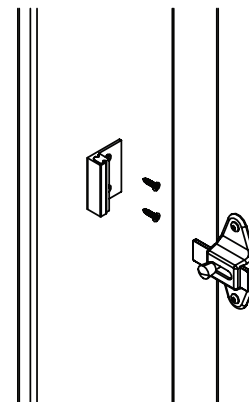


5. Place wall bumper 3" (76mm) up from the bottom and 3" (76mm) from the latch side of the door (bumper goes on the outside face of the door). Using the bumper as a template, drill (2) $\varnothing 5/32$ " pilot holes, $3/4$ " (19mm) deep. Secure with the #10 x $3/4$ " screws provided.



Flat Strike/Keeper

6. With the door in the closed position, place the flat strike/keeper on the pilaster and align the top so it is $1/4$ " (6mm) above the bottom of the latch slide bar.
7. Using the flat strike/keeper as a template, drill (2) $\varnothing 5/32$ " pilot holes, $3/4$ " (19mm) deep. Secure the flat strike/keeper to the pilaster using the #10 x $3/4$ " flat head screws provided.

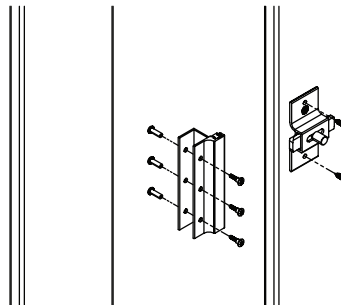
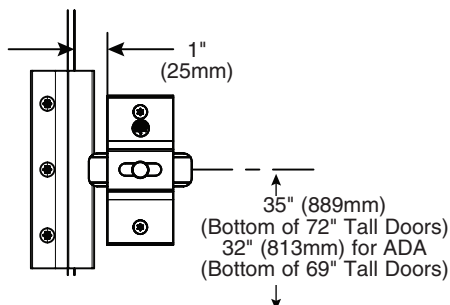


10c Door Hardware for Outswing Doors - Aluminum



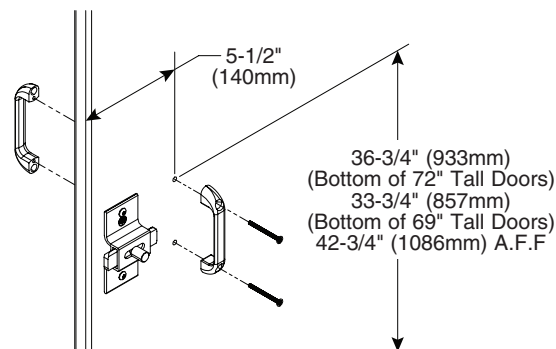
Local codes vary from state to state. Check your local codes before installing the coat hook and door pulls.

- A** Position latch per dimensions below with the leading edge 1" (25mm) from the door edge. Using the latch as a template, mark the hole locations and drill $\varnothing 7/32$ " pilot holes, $3/4$ " (19mm) deep. Secure latch to door with the #14 x $3/4$ " screws provided.

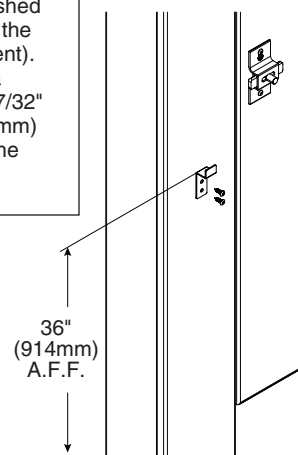


- B** With the door in the closed position, place the strike/keeper on the pilaster so it is centered on the latch slide bar. Using the strike/keeper as a template, mark the hole locations and drill $\varnothing 1/4$ " holes through the pilaster. Secure the strike/keeper to the pilaster with the #10-24 x $3/4$ " barrel nuts and #10-24 x $3/4$ " shoulder screws provided.

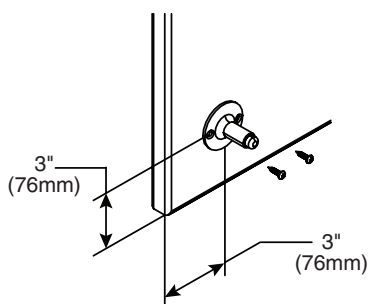
- C** Mark the location for the top hole on the inside face of the door per dimensions below and 5-1/2" (140mm) from the door edge. Drill (2) $\varnothing 1/4$ " holes (spaced 3-1/2" [89mm] apart) through the door and secure the door pulls to the door as shown with the #10-24 x 2" flat machine screws provided.



- D** Position the coat hook 36" (914mm) above finished floor (hook goes on the inside of compartment). Using the hook as a template, drill (2) $\varnothing 7/32$ " pilot holes, $3/4$ " (19mm) deep. Secure with the #14 x $3/4$ " screws provided.



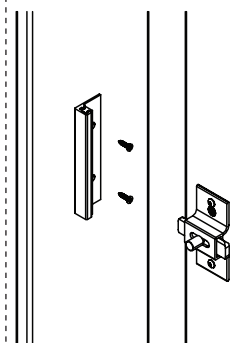
- E** Place wall bumper 3" (76mm) up from the bottom and 3" (76mm) from the latch side of the door (bumper goes on the outside face of the door). Using the bumper as a template, drill (2) $\varnothing 5/32$ " pilot holes, $3/4$ " (19mm) deep. Secure with the #10 x $3/4$ " screws provided.



- F** With the door in the closed position, place flat strike/keeper so it is centered on the latch slide bar.

- G** **Flat Strike/Keeper:** Using the flat strike/keeper as a template, drill (2) $\varnothing 5/32$ " pilot holes, $3/4$ " (19mm) deep. Secure the flat strike/keeper to the pilaster using the #10 x $3/4$ " flat head screws provided.

Flat Strike/Keeper



11 Stiffener Bracket



A stiffener bracket is required for all pilasters 16" and larger.



The stiffener bracket is installed on the largest side of a pilaster split.

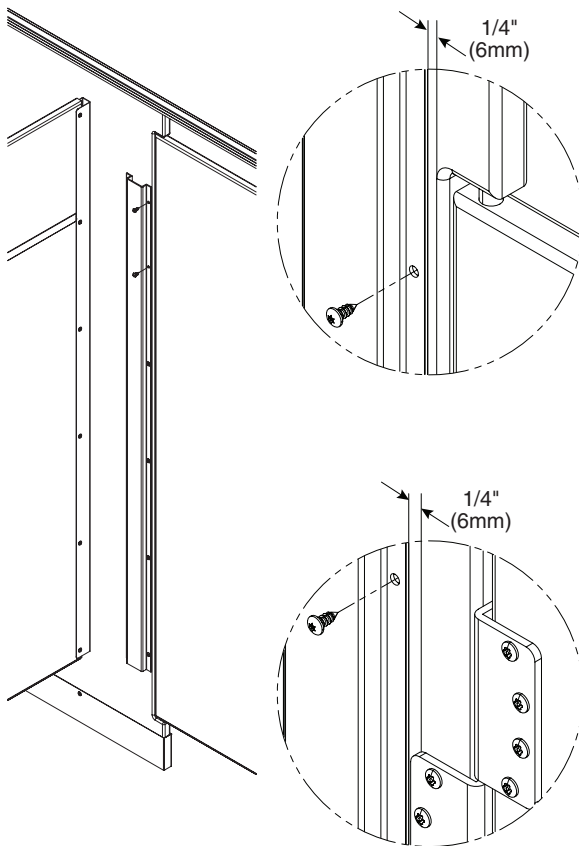
Stiffener at Door Hinge

1. Position stiffener bracket on pilaster so the bracket edge is 1/4" (6mm) from the integral hinge cutout and centered top to bottom.



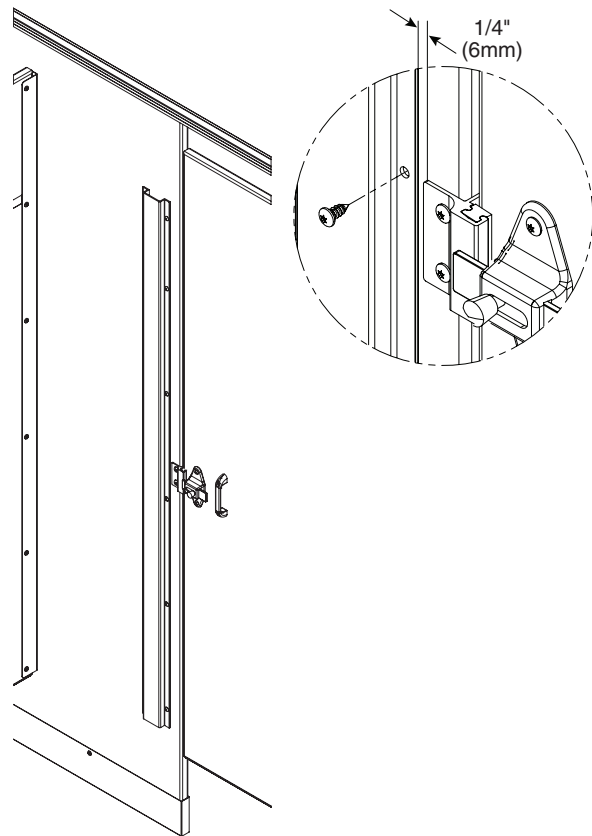
For wraparound and continuous hinges, position 1/4" (6mm) from the hinge edge.

2. Using the bracket as a template, drill Ø7/32" pilot holes, 3/4" (19mm) deep. Secure the bracket to the pilaster with the #14 x 5/8" screws provided.



Stiffener at Door Strike

1. Position stiffener bracket on pilaster so the bracket edge is 1/4" (6mm) from the strike/keeper and centered top to bottom.
2. Using the bracket as a template, drill Ø7/32" pilot holes, 3/4" (19mm) deep. Secure the bracket to the pilaster with the #14 x 5/8" screws provided.



12 Urinal Screens with Continuous Stainless Steel Brackets

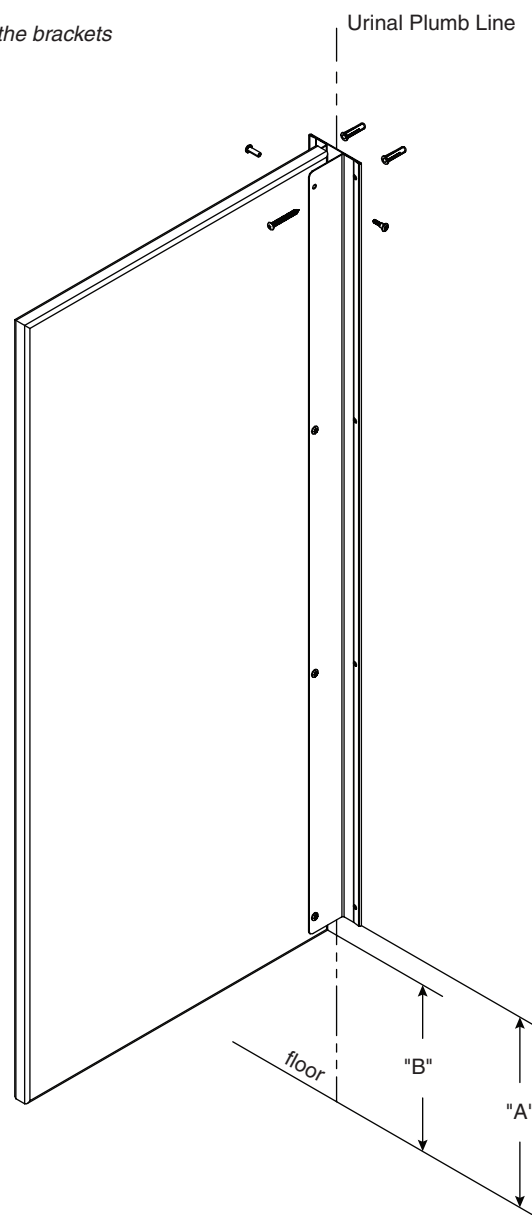
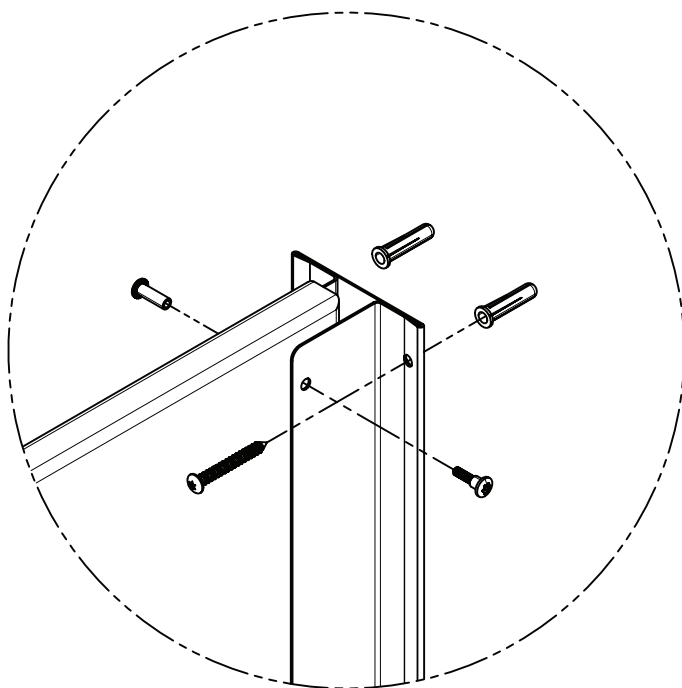


Before installing the urinal screen components, determine the correct location for your application.



Brackets are used as templates, but since the hole patterns may be different, the brackets may not be interchangeable.

1. Draw a plumb line on the wall to represent the urinal screen centerline. Measure from the highest point in the room and place a mark on the urinal screen centerline at dimension "A" for the respective urinal screen height (see table).
2. Place the bottom of the bracket on the mark and center the opening on the urinal screen centerline. Using the bracket as a template, mark the hole locations on the wall. Remove the bracket and drill a Ø5/16" hole (minimum 2" [51mm] deep) at each hole location.



3. Insert plastic anchors in all holes and secure bracket to the wall with the #14 x 2" screws provided.
4. Place the urinal screen at dimension "B" for the respective urinal screen height (see table) and insert it into the wall bracket until a 1" (25mm) gap between the wall and urinal screen is established.
5. Using the bracket as a template, drill Ø1/4" holes through the urinal screen at each bracket hole. Secure the urinal screen to the bracket with the #10-24 x 3/4" barrel nuts and #10-24 x 3/4" shoulder screws provided.

	Dim "A"	Dim "B"
42" Urinal Screen	18-1/2" (470mm)	18" (457mm)
48" Urinal Screen	12-1/2" (318mm)	12" (305mm)