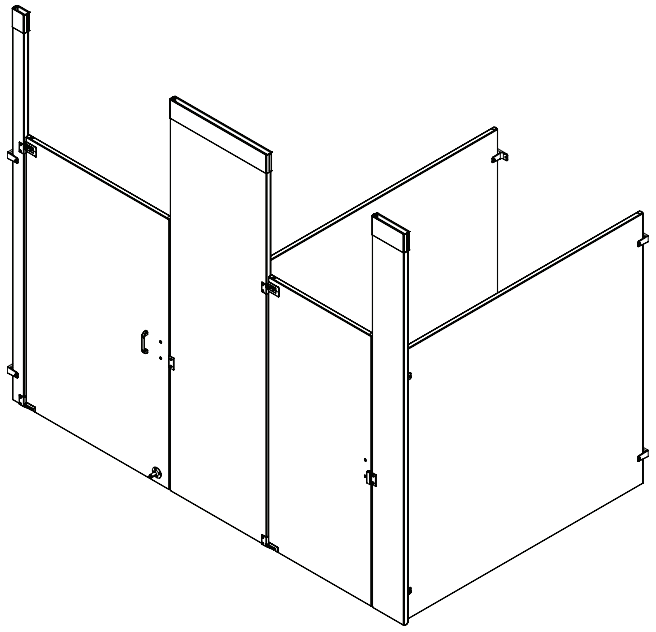


For Standard Height Doors and Panels Only

Installation

Powder Coated & Stainless Steel Restroom Partitions Ceiling Hung - Series 600

Table of Contents

Pre-Installation Information 2
Layout Dimensions for Brackets 3
Mounting Brackets to Wall 4-5
Mounting Brackets to Pilasters 5-6
Pilaster Mounting Hardware 7
Pilasters and Panels 8–10
Telescoping and Wall Hung Pilasters 11-14
Pilaster Shoes and Cross Bracing. 15
Hinges 16–19
Door Hardware. 20–21
Urinal Screens 22–24

WARNING

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

NOTICE

To prevent warping, always lay the material flat. Do not lean the material against the wall or stack unevenly.

To prevent "dimpling," extra caution should be taken when instructed to drill through one side of face only.

IMPORTANT

Read this installation manual completely to ensure proper installation, then file it with the owner or maintenance department. 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. Compliance and conformity to local codes and ordinances is the responsibility of the installer.

Separate parts from packaging and make sure all parts are accounted for before discarding packaging material. If any parts are missing, do not begin installation until you obtain the missing parts.

Product warranties and parts information may be found on Bradley's web site at bradleycorp.com.

HDWT-INSTR-011 Rev F; ECN 12-14-015E

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Bradley

P.O. Box 309, Menomonee Falls, WI USA 53052-0309
PHONE 800.BRADLEY (800.272.3539) FAX 262.251.5817
bradleycorp.com

Supplies Required:

- Chalk line and pencil
- Tape measure and 4' level
- Jigsaw (or hacksaw) and circular saw
- Two spring clamps
- 1/8", 9/64", 3/16", 3/8" and 1/4" drill bits
- Power drill or screw gun with drill bit extension
- 1/4" and 5/16" ceramic tile and masonry drill bit
- Hammer drill
- Spacer, 12" (305mm) high and strong enough to support weight of panel

Hardware Provided



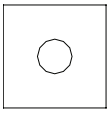
Spacer Nut
18-8 SS
FAST-S0044



3/8-16 x 6"
Threaded Rod
FAST-T5416



#14 x 1-1/2"
Button-Head
Sheet Metal Screw
Torx-T27 Drive
FAST-Z0043



1-1/4" Sq. x Ø 3/8"
Washer, Beveled
FAST-T680



13/32" x 3/4"
Washer, Flat
FAST-S0042



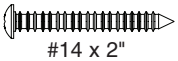
3/8-16
Hex Nut
FAST-T375



3/8" Lockwasher
FAST-T377



#14-16 Plastic
Anchor
FAST-T373



#14 x 2"
Button-Head
Sheet Metal Screw
Torx-T27 Drive
FAST-P002
(Stainless)



#14 x 2"
Button-Head
Sheet Metal Screw
Torx-T27 Drive
FAST-Z002
(Chrome Plated)



#10 x 5/8"
Button-Head
Sheet Metal Screw
Torx-T27 Drive
FAST-S351A



#14 x 5/8"
Button-Head
Sheet Metal Screw
Torx-T27 Drive
FAST-Z0016



#10 x 5/8"
Button-Head
Sheet Metal Screw
Torx-T27 Drive
FAST-Z0019



#10 x 3/4"
Flat-Head
Sheet Metal Screw
Torx-T25 Drive
FAST-Z0006



1/4"- 14 x 5/8"
Sheet Metal Screw
Torx-T27 Drive
FAST-S355A



#10-24 x 3/4"
Button-Head
Barrel Nut
Torx-T27 Drive
FAST-Z003
(Chrome Plated)



#10-24 x 3/4"
Button-Head
Barrel Nut
Torx-T27 Drive
FAST-P003
(Stainless)



#10-24 x 3/4"
Button-Head
Shoulder Screw
Torx-T27 Drive
FAST-Z004
(Chrome Plated)



#10-24 x 3/4"
Button-Head
Shoulder Screw
Torx-T27 Drive
FAST-P004
(Stainless)



#10-24 x 1"
Button-Head
Shoulder Screw
Torx-T27 Drive
FAST-Z004A
(Chrome Plated)



#10-24 x 1"
Button-Head
Shoulder Screw
Torx-T27 Drive
FAST-P004A
(Stainless)

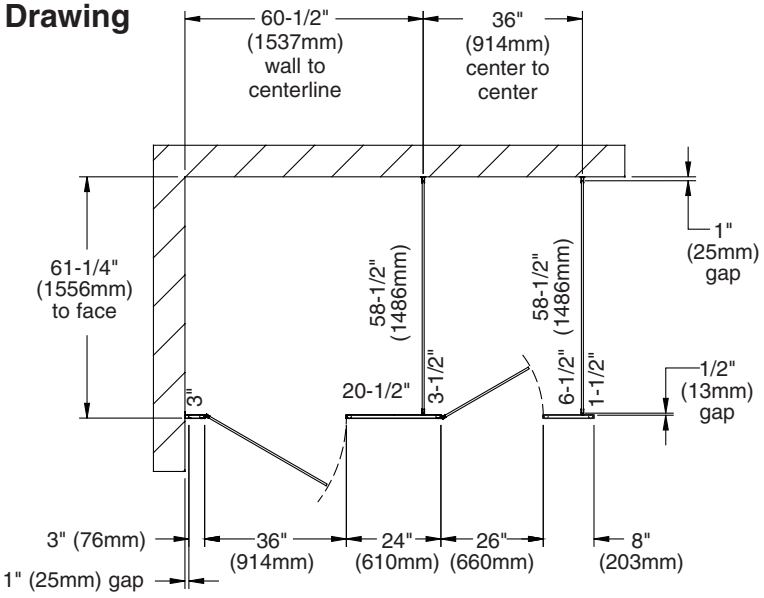


#10-24 x 2"
Flat-Head
Machine Screw
Torx-T25 Drive
FAST-Z0027



#10 x 2"
Flat-Head
Sheet Metal Screw
Torx-T25 Drive
FAST-S0023

Example of Submittal Drawing



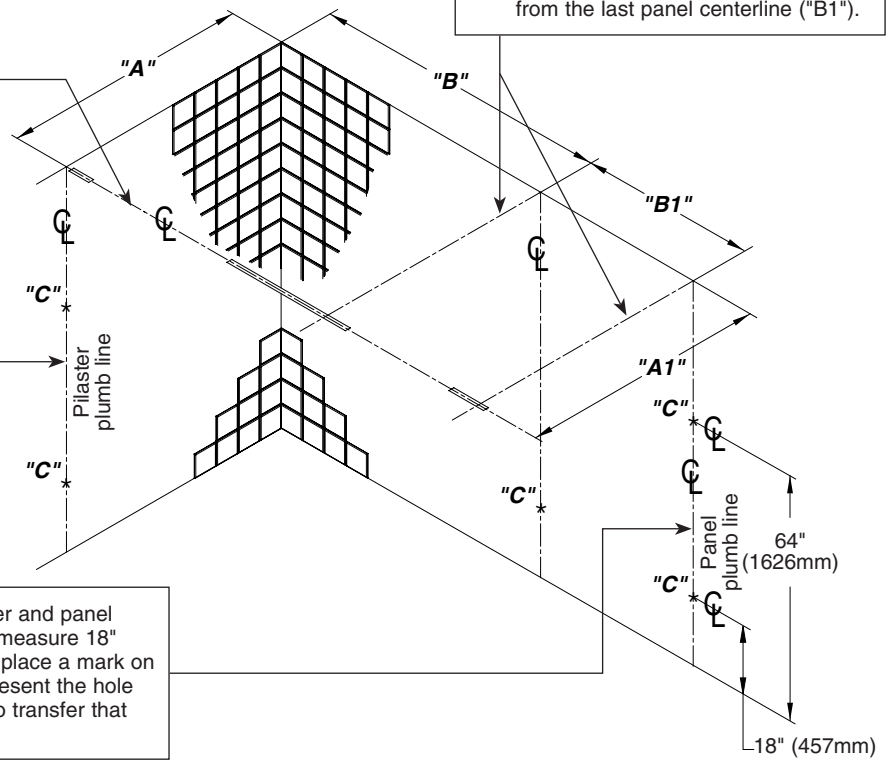
1 Layout Dimensions - Stirrup Bracket (Standard)

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

A **Pilaster Centerline:** Measure from the back wall forward to the face of the compartment, subtract 5/8" (16mm) and mark this location on the ceiling ("A"). Mark the same measurement on the opposite end of your layout ("A1") and draw a straight line connecting both marks.

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

B **Panel Centerline:** Measure the stall width across the back wall and place a mark at the top of the rear wall ("B"). Repeat this step for each panel, starting each measurement from the last panel centerline ("B1").



C Draw a plumb line on all walls from each pilaster and panel centerline. From the highest point in the room, measure 18" (457mm) and 64" (1626mm) from the floor and place a mark on the pilaster/panel plumb line. These marks represent the hole center line of the stirrup brackets. Use a level to transfer that mark to all other plumb lines ("C").

1a Layout Dimensions - Continuous Bracket (Optional)

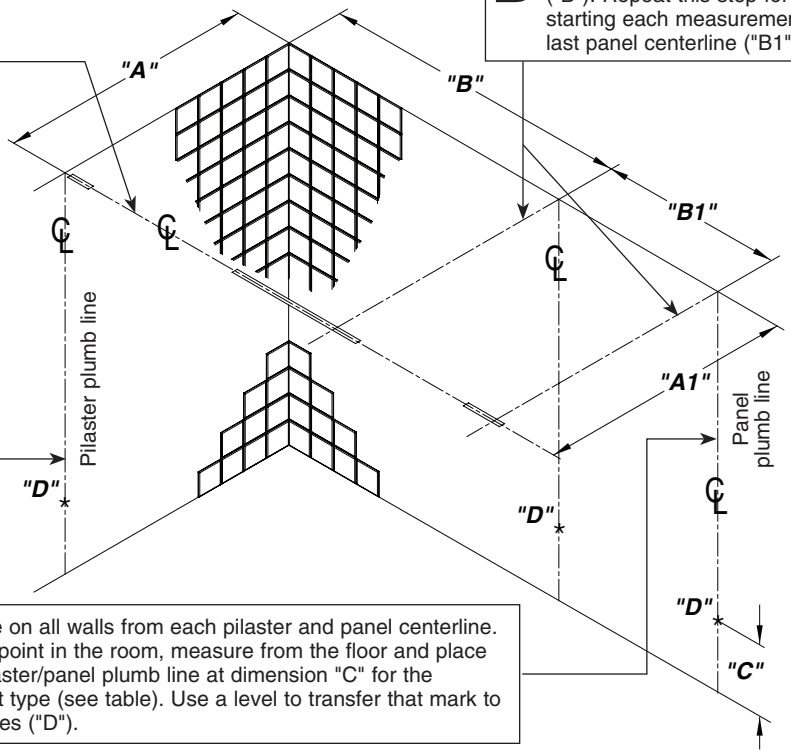
When installing the partition components, consult the applicable Mills Partition submittal drawing for compartment layout dimensions.

A **Pilaster Centerline:** Measure from the back wall forward to the face of the compartment, subtract 5/8" (16mm) and mark this location on the ceiling ("A"). Mark the same measurement on the opposite end of your layout ("A1") and draw a straight line connecting both marks.

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

	Dim "C"
Stainless Steel	12-1/2" (318mm)
Aluminum	12-1/4" (311mm)

B **Panel Centerline:** Measure the stall width across the back wall and place a mark at the top of the rear wall ("B"). Repeat this step for each panel, starting each measurement from the last panel centerline ("B1").



C 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" for the respective bracket type (see table). Use a level to transfer that mark to all other plumb lines ("D").

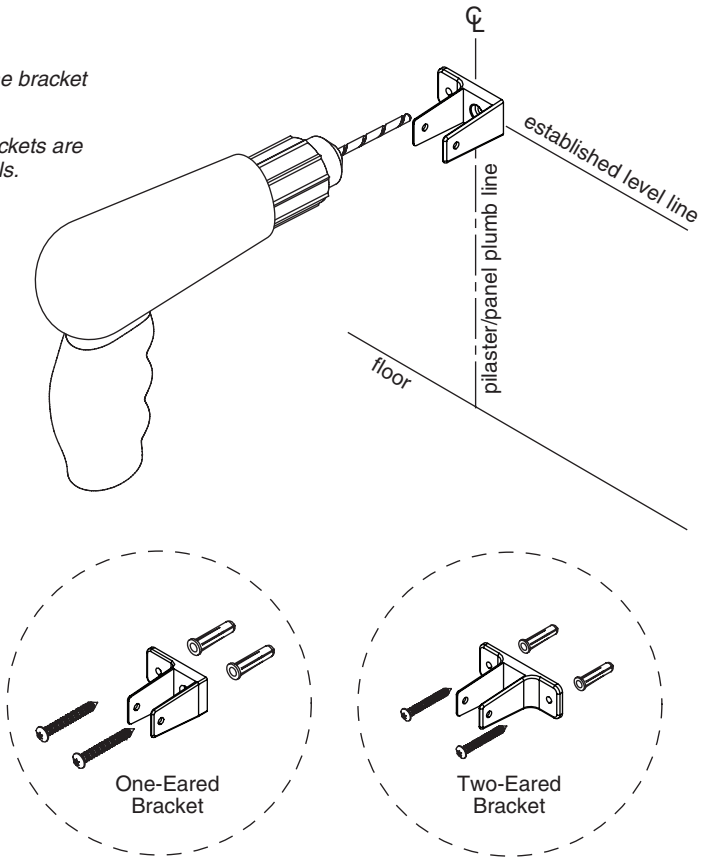
2 Stirrup Brackets to Wall (Standard)

- ☑ *On end panel and pilaster applications, position the bracket with the ear facing toward the inside of the stall.*
- ☑ *Pilaster bracket is shown here; 1-1/4" opening brackets are for pilasters, and 1" opening brackets are for panels.*

A Place the center of each stirrup bracket at the established level line. Center the bracket opening on the pilaster/panel plumb line.

B 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.

C Insert the plastic anchors in all holes and secure the brackets to the wall with the #14 x 2" screws provided.



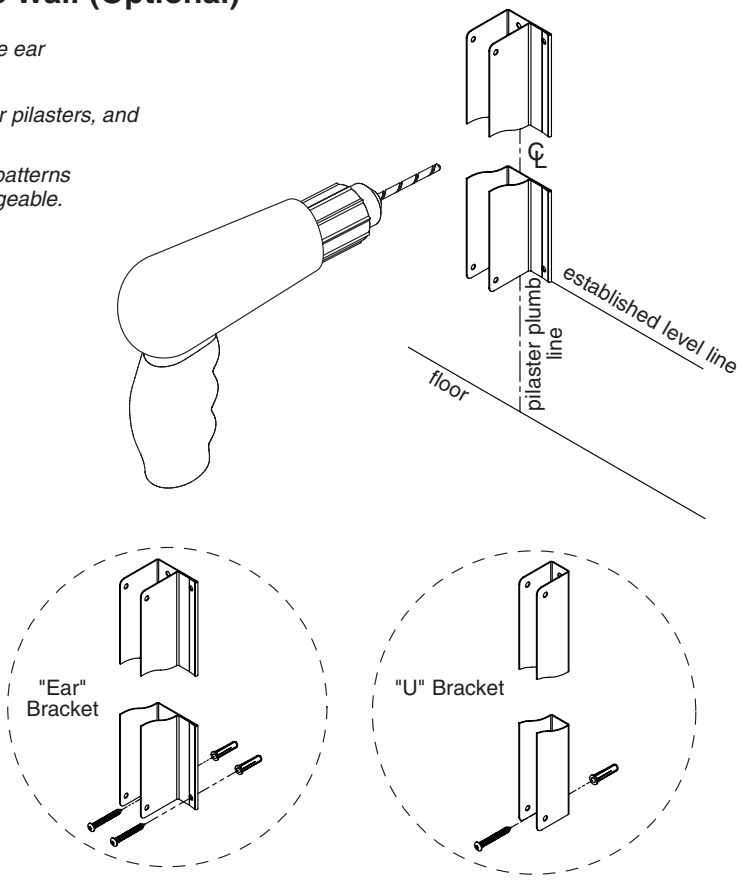
2a Continuous Stainless Steel Brackets to Wall (Optional)

- ☑ *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.*

A Place the bottom of each continuous bracket at the established level line. Center the bracket opening on the pilaster/panel plumb line.

B 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.

C Insert the plastic anchors in all holes and secure the brackets to the wall with the #14 x 2" stainless screws provided.



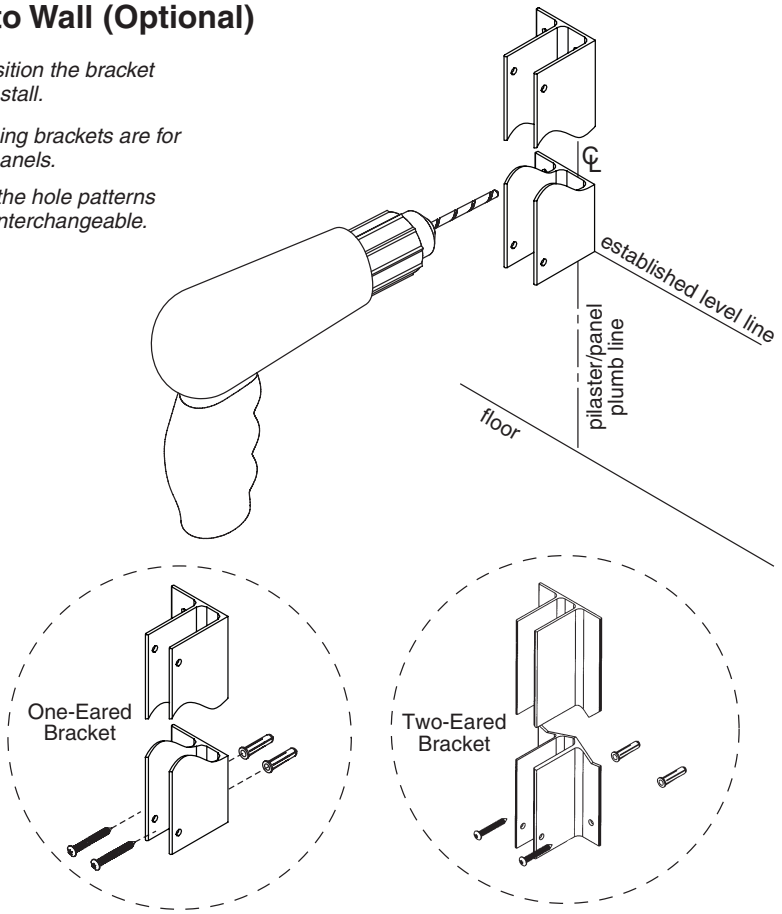
2b Continuous Aluminum Brackets to Wall (Optional)

- ☑ *On end panel and pilaster applications, position the bracket with the ear facing toward the inside of the stall.*
- ☑ *Pilaster bracket is shown here; 1-1/4" opening brackets are for pilasters, and 1" opening brackets are for panels.*
- ☑ *Brackets are used as templates, but since the hole patterns may be different, the brackets may not be interchangeable.*

A Place the bottom of each continuous bracket at the established level line. Center the bracket opening on the pilaster/panel plumb line.

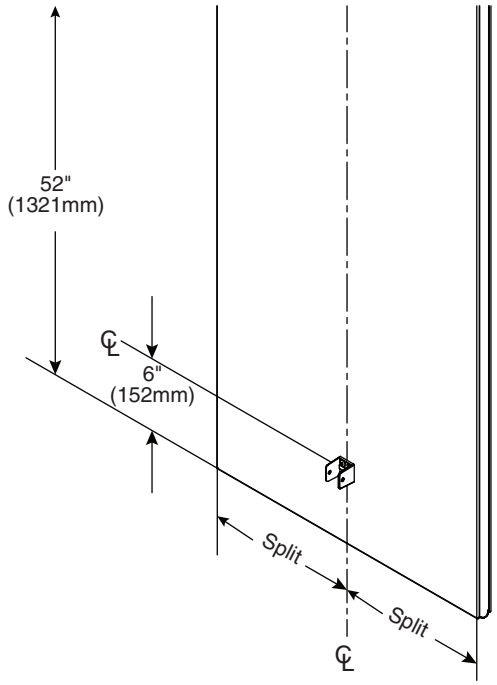
B Using the bracket as a template, mark the hole locations on the wall. Remove the bracket and drill a Ø5/16" hole (min. 2" [51mm] deep) at each hole location.

C Insert the plastic anchors in all holes and secure the brackets to the wall with the #14 x 2" stainless screws provided.



3 Stirrup Brackets to Pilaster (Standard)

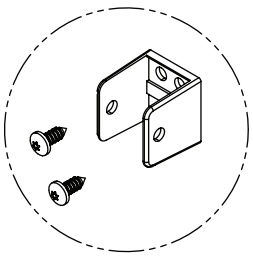
☑ *Refer to the submittal drawing to locate the split dimension and layout location of each marked pilaster.*



A Measure 6" (152mm) and 52" (1321mm) up from the bottom of each pilaster and place a mark on the pilaster split centerline.

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

B Place stirrup brackets at 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 Ø3/16" pilot hole (through inside face of pilaster only) at each location.

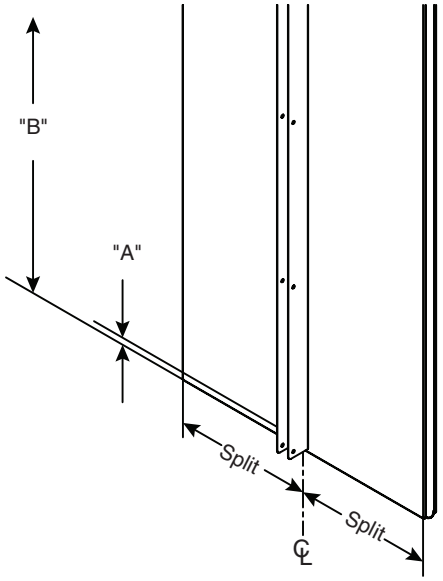


C Secure the stirrup brackets to the pilasters using the #14 x 5/8" screws provided.

3a Continuous Brackets to Pilaster (Optional)

- ☑ *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.*
- ☑ *Continuous stainless steel bracket shown.*

	Dim. "A"	Dim. "B"
Stainless Steel Bracket	1/2" (13mm)	57-1/2" (1461mm)
Aluminum Bracket	1/4" (6mm)	57-3/4" (1467mm)

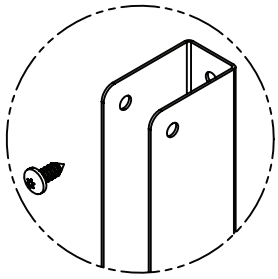


A Measure up from the bottom of the pilaster and place a mark on the pilaster split centerline at dimensions "A" and "B" for the respective bracket (see table on left).

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

B 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 Ø3/16" pilot hole (throught inside face of pilaster only) at each location.

C Secure the continuous bracket to the pilasters using the #14 x 5/8" stainless screws provided.



3b Alcove Brackets to Pilaster (Optional)

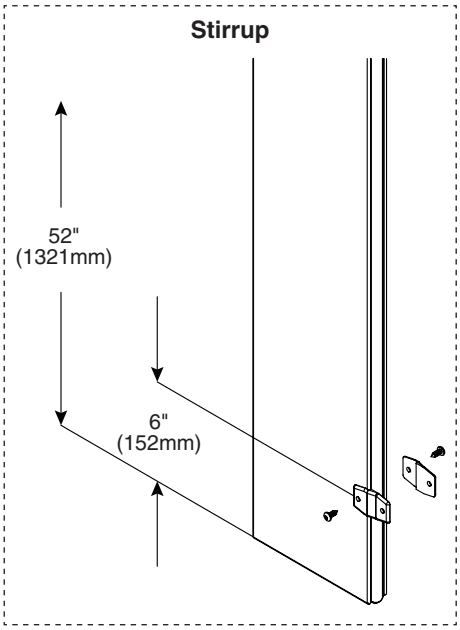
- ☑ *Layouts that use continuous aluminum brackets for pilaster and panel connections will use stirrup brackets for alcove connections. Continuous stainless steel brackets use continuous alcove brackets.*
- ☑ *Refer to the submittal drawing for the layout location of each alcove pilaster.*

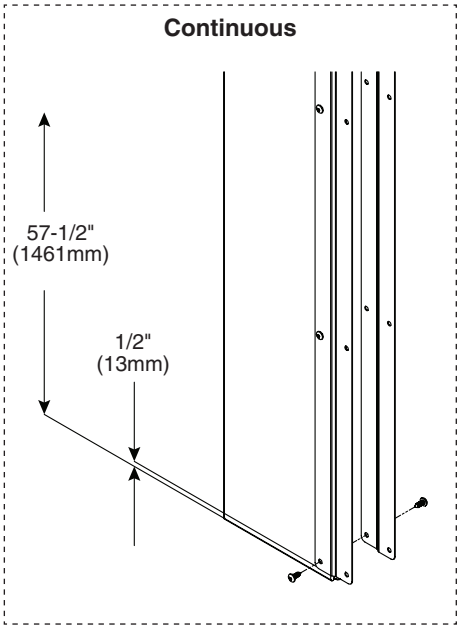
A Measure up from the bottom of the pilaster and place a mark at dimensions shown for the respective bracket situation.

B **Stirrup:** Position the center of each bracket at the marks made in Step A.
Continuous: Center the bracket between each mark made in Step A.

C Using the bracket as a template, mark the hole locations on the pilaster. Remove the bracket and drill Ø3/16" holes through the pilaster at each location.

D Secure the bracket(s) to the pilaster using the #14 x 5/8" screws (stainless on continuous) provided.

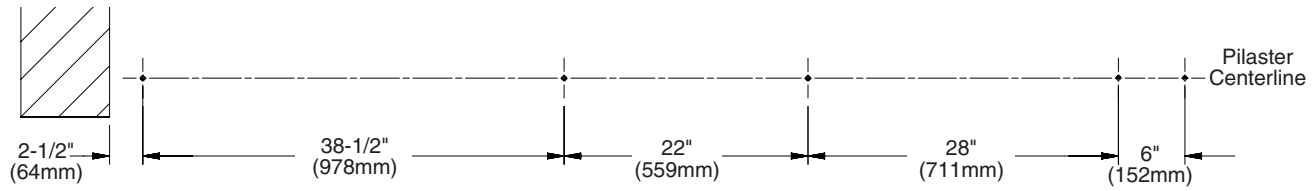




4 Pilaster Mounting Hardware

"C" channel and ceiling (not included) is required for ceiling hung partition installation.

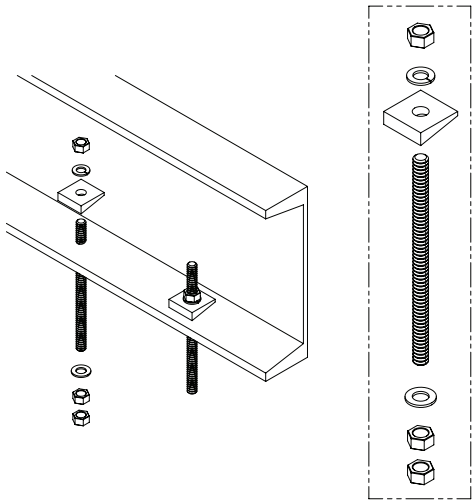
A This view is an example only. Refer to your submittal drawings to determine placement of the anchors on the pilaster centerline for your application. Typical anchor centers are measured 1" (25mm) in from each edge of the pilaster (except 3" pilasters where only one anchor is used).



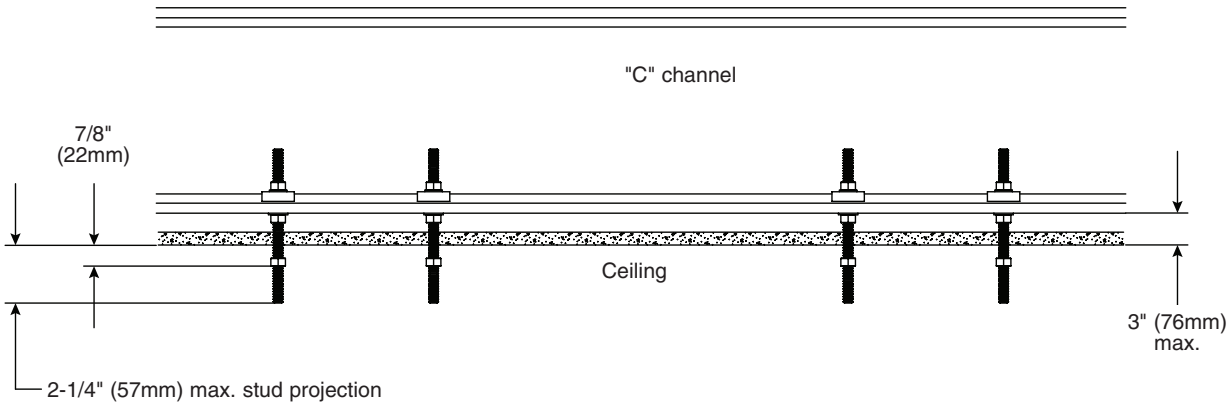
B Drill Ø3/8" holes in the "C" channel for each pilaster anchor required.

C Place a threaded rod through each hole and secure to the topside of the "C" channel with a 1-1/4" Sq. x Ø3/8" beveled washer (if needed), 3/8" lockwasher, and 3/8" hex nut.

D Secure the threaded rod to the underside of the "C" channel with a 13/32" x 3/4" washer and 3/8" hex nut. Place an additional hex nut on the underside of the "C" channel for all threaded rods.



E From the highest point in the room, adjust the support nut to approximately 7/8" (22mm) down from the finished ceiling. Level and adjust the remaining support nuts to this height.



5 Pilasters and Panels with Stirrup Brackets (Standard)

☑ *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.*

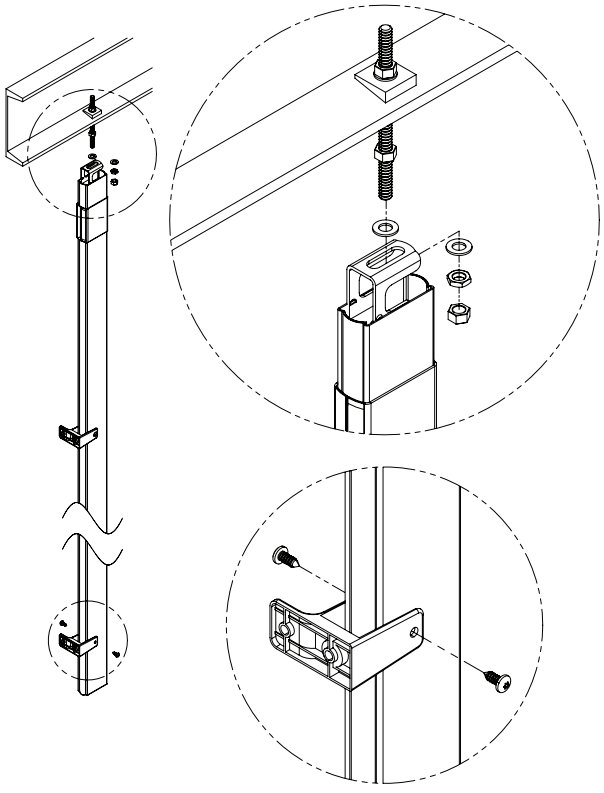
☑ *Check to make sure the pilasters are plumb and level to each other. The pilaster height can be adjusted by moving the support nuts on the threaded rod up or down (see page 7).*

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.*

A Slide the shoe onto the top of the pilaster and use a piece of tape to keep the shoe positioned below the mounting hardware. Make sure the shoe mounting hole is facing inside the stall and that the hole is towards the bottom.

B Place a 13/32" x 3/4" washer onto each threaded rod, then set the pilaster up onto the mounting hardware while at the same time placing the pilaster within the wall brackets. Secure the pilaster to the mounting hardware using the 13/32" x 3/4" washer(s), spacer nut(s), and 3/8" hex nut(s) provided.



C Using the bracket as a template, drill Ø3/16" holes through the pilaster at each pilaster bracket hole. Secure the pilaster to the bracket using the #14 x 5/8" screws provided.

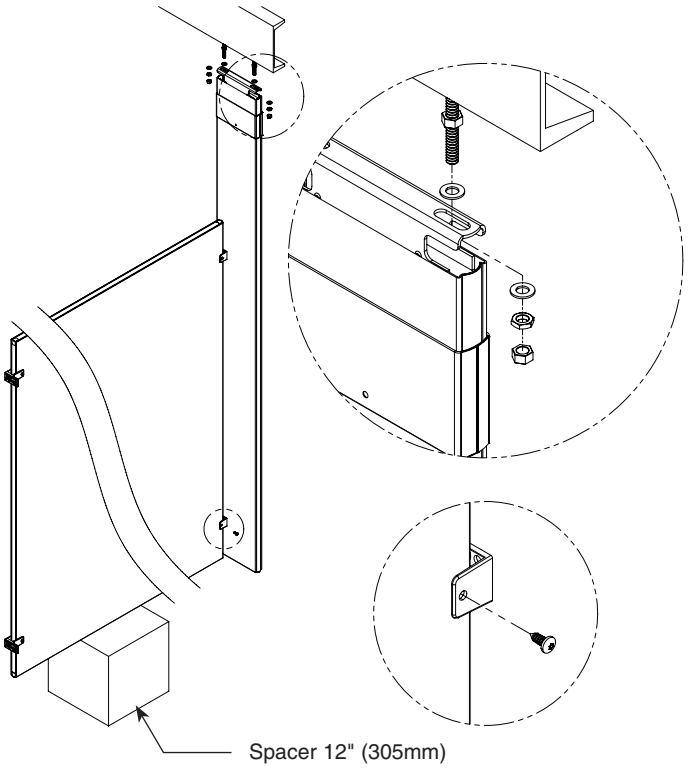
Pilasters with Panels

☑ *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.*

A Place the panel on the spacer and insert the panel into the wall brackets.

B Slide the shoe onto the top of the pilaster and use a piece of tape to keep the shoe positioned below the mounting hardware. Make sure the shoe mounting hole is facing inside the stall and the hole is towards the bottom.

C Place a 13/32" x 3/4" washer onto each threaded rod, then set the pilaster up onto the mounting hardware while at the same time placing the brackets around the panel. Secure the pilaster to the mounting hardware using the 13/32" x 3/4" washer(s), spacer nut(s), and 3/8" hex nut(s) provided.



D Using the bracket as a template, drill Ø3/16" holes through the panel at each panel bracket hole. Secure the panel to the bracket using the #14 x 5/8" screws provided.

5a Pilasters and Panels with Stainless Steel Continuous Brackets (Optional)

☑ *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.*

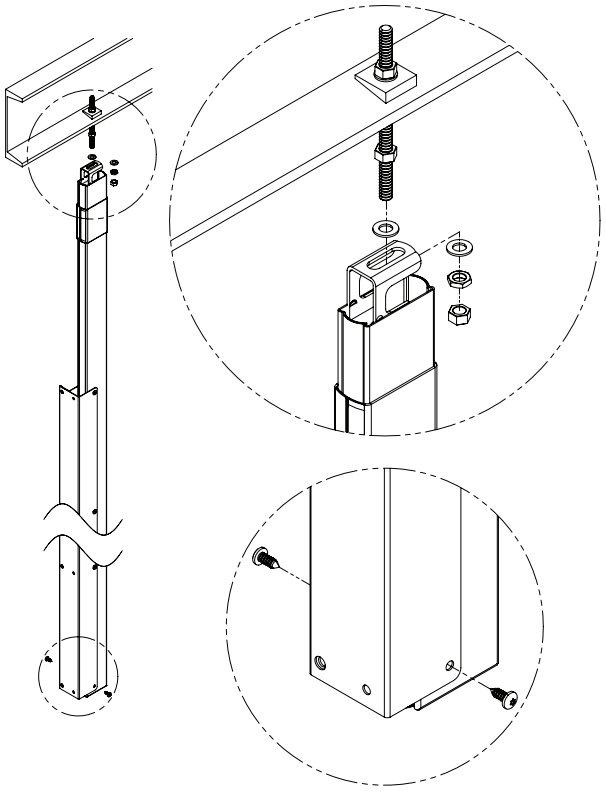
☑ *Check to make sure the pilasters are plumb and level to each other. The pilaster height can be adjusted by moving the support nuts on the threaded rod up or down (see page 7).*

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.*

A Slide the shoe onto the top of the pilaster and use a piece of tape to keep the shoe positioned below the mounting hardware. Make sure the shoe mounting hole is facing inside the stall and that the hole is towards the bottom.

B Place a 13/32" x 3/4" washer onto each threaded rod, then set the pilaster up onto the mounting hardware while at the same time placing the pilaster within the wall bracket. Secure the pilaster to the mounting hardware using the 13/32" x 3/4" washer(s), spacer nut(s), and 3/8" hex nut(s) provided.



C Using the bracket as a template, drill Ø3/16" holes through the pilaster at each pilaster bracket hole. Secure the pilaster to the bracket using the #14 x 5/8" stainless screws provided.

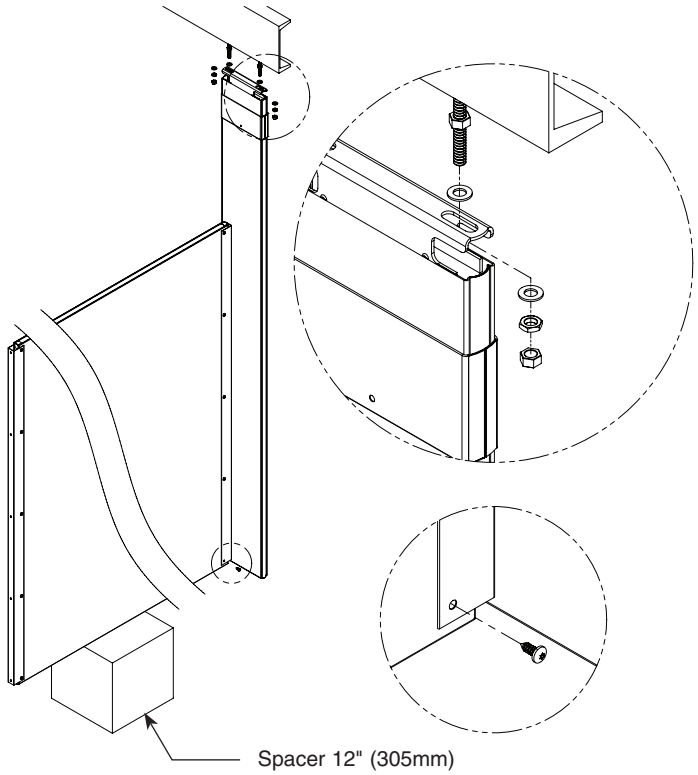
Pilasters with Panels

☑ *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.*

A Place the panel on the spacer and insert the panel into the wall bracket.

B Slide the shoe onto the top of the pilaster and use a piece of tape to keep the shoe positioned below the mounting hardware. Make sure the shoe mounting hole is facing inside the stall and that the hole is towards the bottom.

C Place a 13/32" x 3/4" washer onto each threaded rod, then set the pilaster up onto the mounting hardware while at the same time placing the bracket around the panel. Secure the pilaster to the mounting hardware using the 13/32" x 3/4" washer(s), spacer nut(s), and 3/8" hex nut(s) provided.



D Using the bracket as a template, drill Ø3/16" holes through the panel at each panel bracket hole. Secure the panel to the bracket using the #14 x 5/8" stainless screws provided.

5b Pilasters and Panels with Aluminum Continuous Brackets (Optional)

☑ *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.*

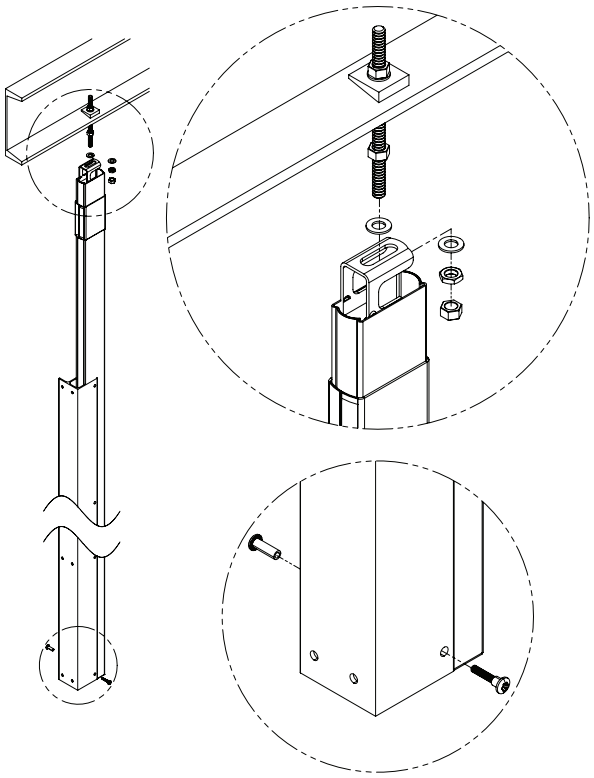
☑ *Check to make sure the pilasters are plumb and level to each other. The pilaster height can be adjusted by moving the support nuts on the threaded rod up or down (see page 7).*

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.*

A Slide the shoe onto the top of the pilaster and use a piece of tape to keep the shoe positioned below the mounting hardware. Make sure the shoe mounting hole is facing inside the stall and that the hole is towards the bottom.

B Place a 13/32" x 3/4" washer onto each threaded rod, then set the pilaster up onto the mounting hardware while at the same time placing the pilaster within the wall bracket. Secure the pilaster to the mounting hardware using the 13/32" x 3/4" washer(s), spacer nut(s), and 3/8" hex nut(s) provided.



C 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" stainless barrel nuts and #10-24 x 1" stainless shoulder screws provided.

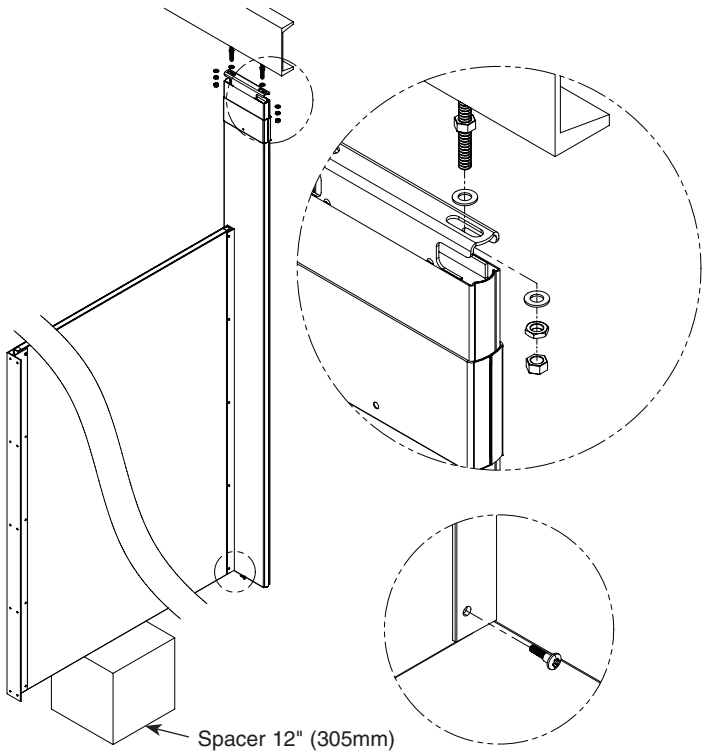
Pilasters with Panels

☑ *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.*

A Place the panel on the spacer and insert the panel into the wall bracket.

B Slide the shoe onto the top of the pilaster and use a piece of tape to keep the shoe positioned below the mounting hardware. Make sure the shoe mounting hole is facing inside the stall and that the hole is towards the bottom.

C Place a 13/32" x 3/4" washer onto each threaded rod, then set the pilaster up onto the mounting hardware while at the same time placing the bracket around the panel. Secure the pilaster to the mounting hardware using the 13/32" x 3/4" washer(s), spacer nut(s), and 3/8" hex nut(s) provided.



D 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" stainless barrel nuts and #10-24 x 3/4" stainless shoulder screws provided.

5c Telescoping Pilasters (Optional)

☑ *Mounting channels are used as templates but may not be interchanged because the hole patterns may be different.*

☑ *To establish level line, from the highest point in the room, measure 12-1/8" (308mm) from the floor. Use a level to transfer this mark to the pilaster plumb line.*

A Place the bottom of the mounting channel at the established level line. Center the channel opening on the pilaster plumb line.

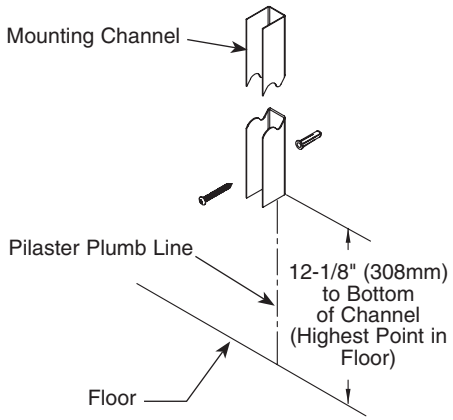
B Using the mounting channel as a template, mark the hole locations and remove mounting channel. Drill a Ø5/16" hole (min. 2" [51mm] deep) at each hole location.

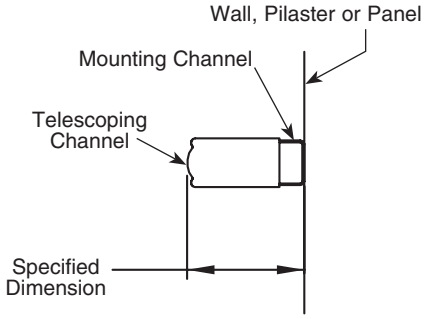
C Insert the plastic anchors in all holes and secure the mounting channel to the wall with the #14 x 2" screws provided.

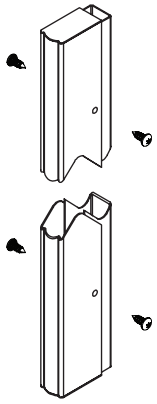
D Slide the telescoping channel over the mounting channel. Refer to the submittal drawings and adjust the width to meet the specified dimension.

E Using the holes in the telescoping channel as a template, drill Ø3/16" holes through the mounting channel. Secure the telescoping channel to the mounting channel with the #14 x 5/8" screws provided.

Telescoping Pilaster at Wall







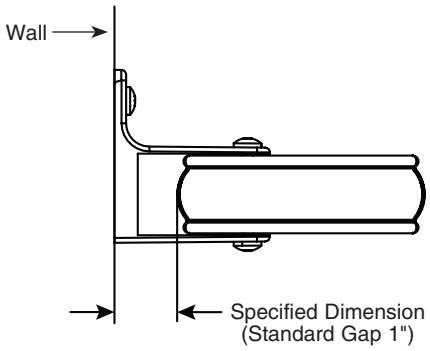
5d Wall-Hung Pilasters (58") - Stirrup Brackets (Optional)

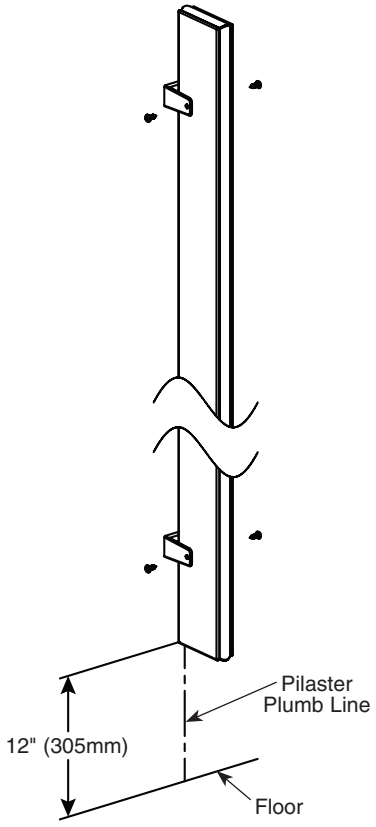
- ☑ *See Step 2 for instructions on mounting the stirrup brackets to a wall.*
- ☑ *See Step 3 for instructions on mounting the stirrup brackets to a pilaster.*
- ☑ *To establish level line, from the highest point in the room, measure 12" (305mm) from the floor. Use a level to transfer this mark to the pilaster plumb line.*

Pilasters at Wall

A Slide the wall-hung pilaster into the stirrup brackets and align with the established level line. Refer to the submittal drawing and adjust to meet the specified dimension.

B Using the stirrup bracket as a template, drill Ø3/16" holes through the pilaster at each bracket hole. Secure the pilaster to the bracket using the #14 x 5/8" screws provided.

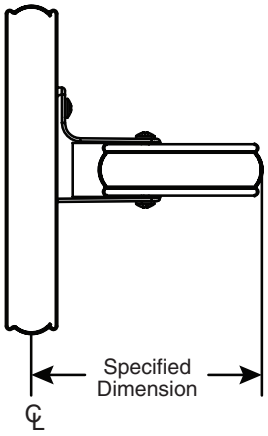


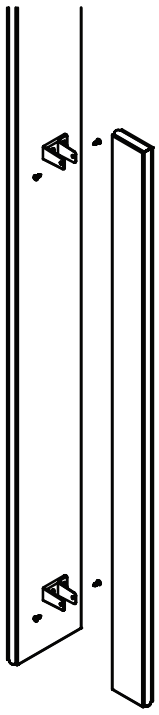


Pilasters at Pilasters

A Slide the wall-hung pilaster into the stirrup brackets and align with the established level line. Refer to the submittal drawing and adjust to meet the specified dimension.

B Using the stirrup bracket as a template, drill Ø3/16" holes through the pilaster at each bracket hole. Secure the pilaster to the bracket using the #14 x 5/8" screws provided.





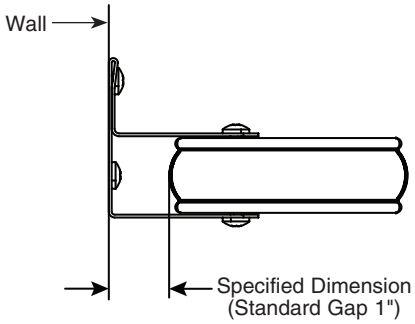
5e Wall-Hung Pilasters (58") - Continuous Stainless Steel Brackets (Optional)

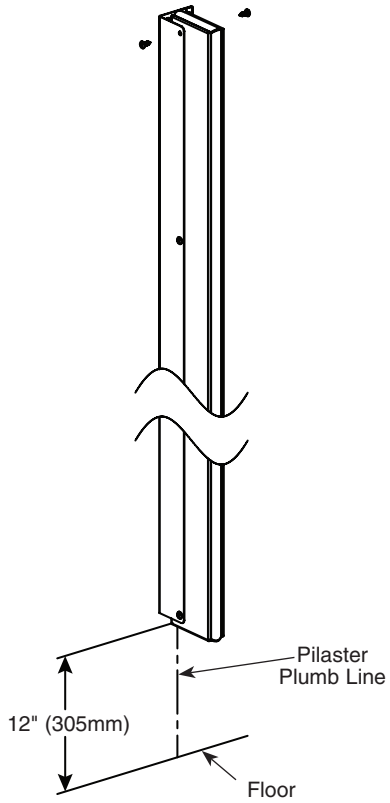
- ☑ *See Step 2a for instructions on mounting the continuous stainless steel bracket to a wall.*
- ☑ *See Step 3a for instrustions on mounting the continuous stainless steel bracket to a pilaster.*
- ☑ *To establish level line, from the highest point in the room, measure 12" (305mm) from the floor. Use a level to transfer this mark to the pilaster plumb line.*

Pilasters at Wall

A Slide the wall-hung pilaster into the continuous bracket and align with the established level line. Refer to the submittal drawing and adjust to meet the specified dimension.

B Using the continuous bracket as a template, drill Ø3/16" holes through the pilaster at each bracket hole. Secure the pilaster to the bracket using the #14 x 5/8" stainless screws provided.

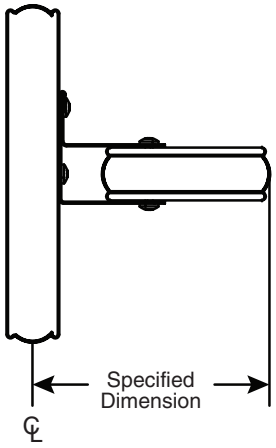


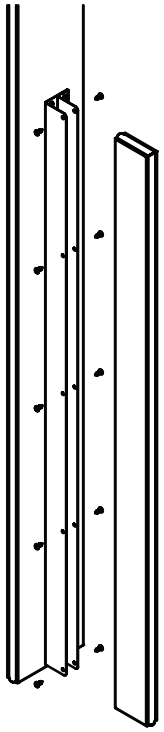


Pilasters at Pilasters

A Slide the wall-hung pilaster into the continuous bracket and align with the established level line. Refer to the submittal drawing and adjust to meet the specified dimension.

B Using the continuous bracket as a template, drill Ø3/16" holes through the pilaster at each bracket hole. Secure the pilaster to the bracket using the #14 x 5/8" stainless screws provided.





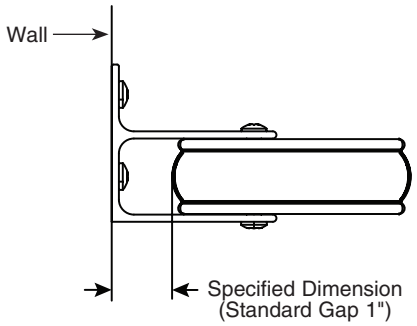
5f Wall-Hung Pilasters (58") - Continuous Aluminum Brackets (Optional)

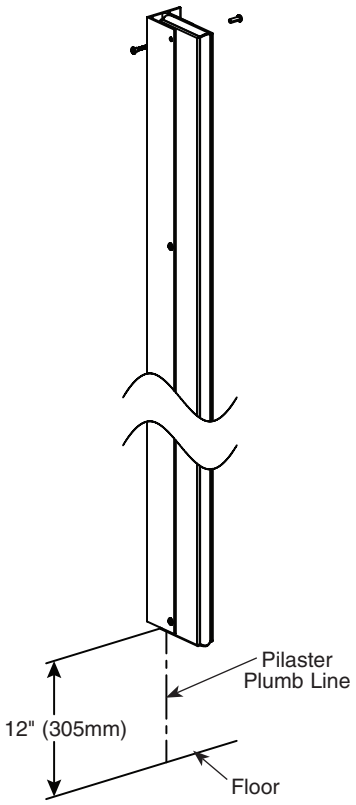
- ☑ *See Step 2b for instructions on mounting the continuous aluminum bracket to a wall.*
- ☑ *See Step 3a for instrustions on mounting the continuous aluminum bracket to a pilaster.*
- ☑ *To establish level line, from the highest point in the room, measure 12" (305mm) from the floor. Use a level to transfer this mark to the pilaster plumb line.*

Pilasters at Wall

A Slide the wall-hung pilaster into the continuous bracket and align with the established level line. Refer to the submittal drawing and adjust to meet the specified dimension.

B Using the continuous bracket as a template, drill Ø1/4" holes through the pilaster at each bracket hole. Secure the pilaster to the bracket using the #10-24 x 3/4" stainless barrel nuts and #10-24 x 1" stainless shoulder screws provided.

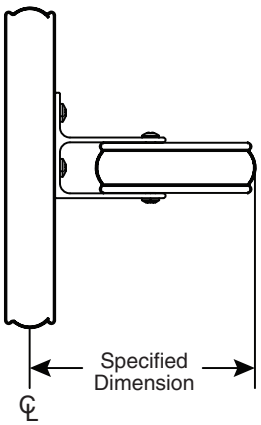


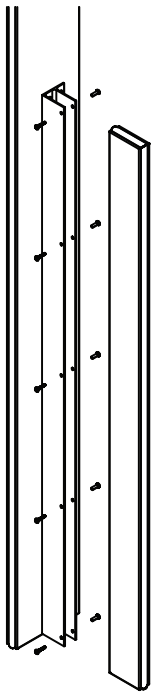


Pilasters at Pilasters

A Slide the wall-hung pilaster into the continuous bracket and align with the established level line. Refer to the submittal drawing and adjust to meet the specified dimension.

B Using the continuous bracket as a template, drill Ø1/4" holes through the pilaster at each bracket hole. Secure the pilaster to the bracket using the #10-24 x 3/4" stainless barrel nuts and #10-24 x 1" stainless shoulder screws provided.

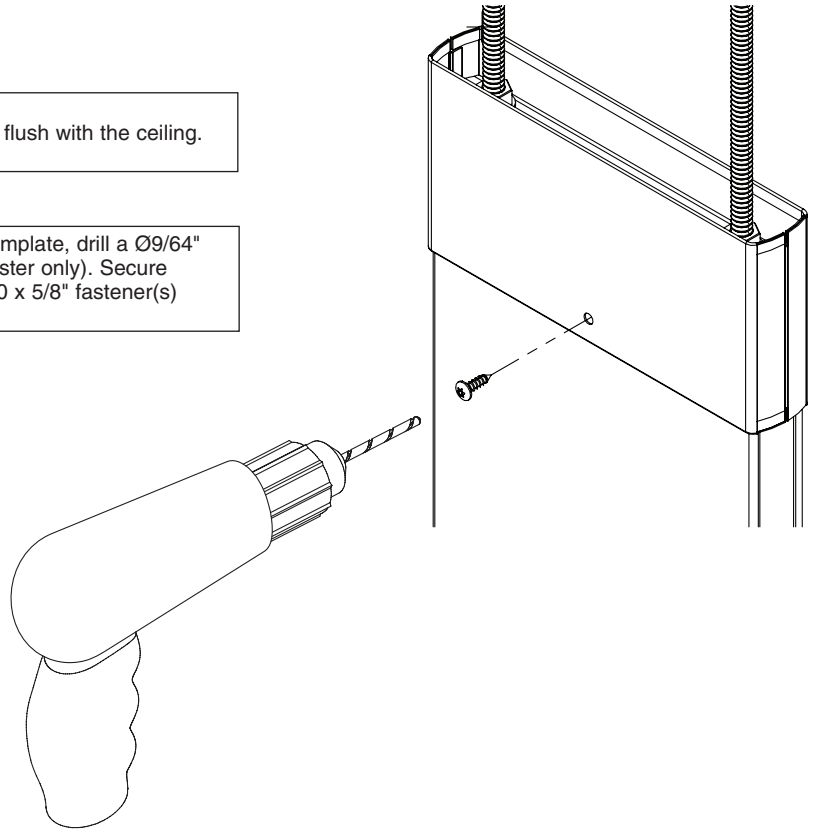




6 Pilaster Shoes

A Position pilaster shoe so that it rests flush with the ceiling.

B Using the hole(s) in the shoe as a template, drill a Ø9/64" pilot hole (through inside face of pilaster only). Secure the shoe to the pilaster using the #10 x 5/8" fastener(s) provided.



7 Cross Bracing (Standard on Ceiling Heights 9'-0" and Above)

☑ *When installing cross bracing, consult the applicable Mills Partition submittal drawings for specific location.*

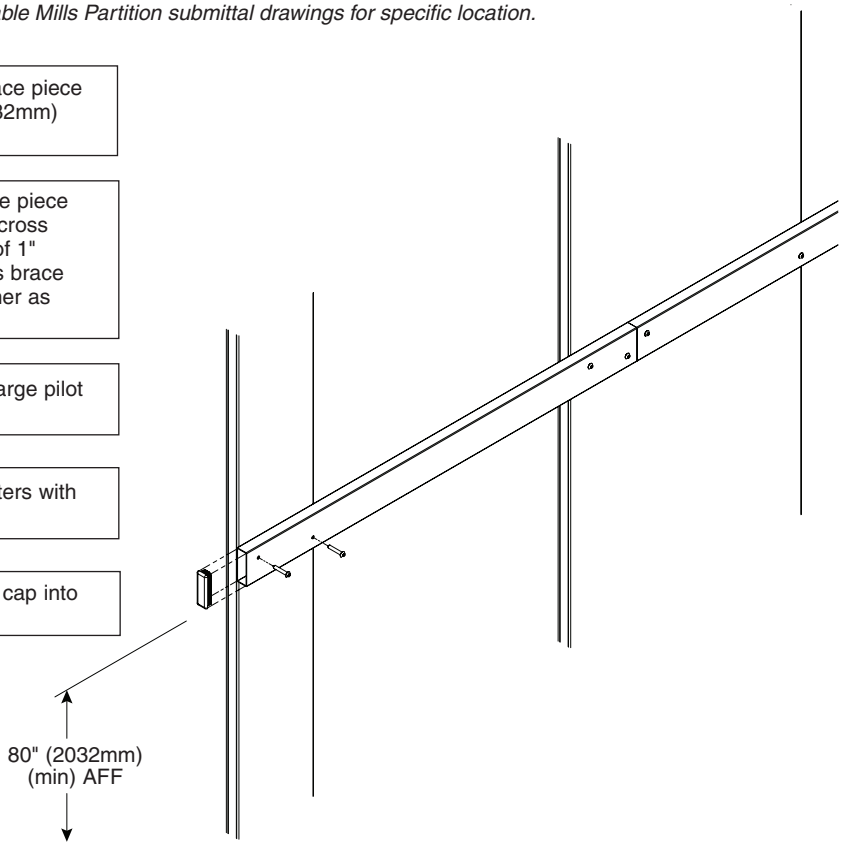
A From the inside of the stall, position the cross brace piece so that the bottom edge is a minimum of 80" (2032mm) above the finished floor.

B Drill (2) Ø7/32" pilot holes through the cross brace piece and the inside face of each pilaster only that the cross brace piece spans. Holes should be a minimum of 1" (25mm) from pilaster edge, 1" (25mm) from cross brace piece edge, and spaced diagonally from each other as shown.

C For the cross braced piece only, remove and enlarge pilot holes to Ø1/4".

D Reposition and secure cross brace piece to pilasters with the #14 x 1-1/2" screws provided.

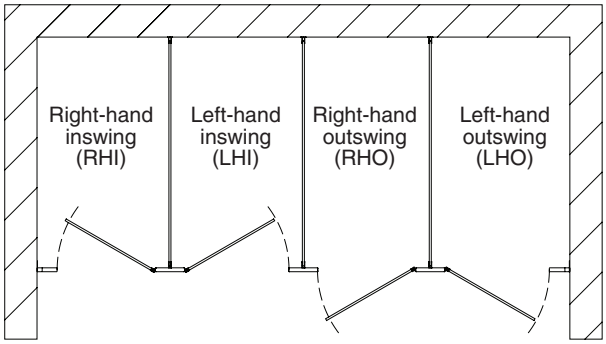
E For open end configurations, place provided end cap into cross brace piece as shown.



8 Wraparound Gravity Hinges (Standard)

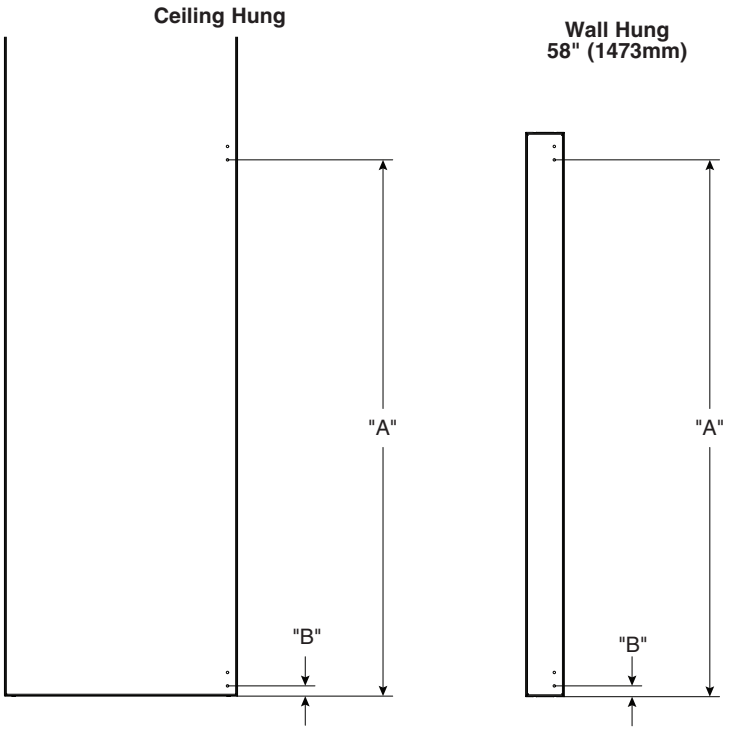
☑ *Before installing the hinges, make sure the door openings are the appropriate size, all pilasters are plumb and secured to the ceiling.*

☑ *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.*



A Measure up from the bottom of the pilaster and place a mark at dimension "A" and "B". This mark represents the lower hole location of the top and bottom hinge.

B Using the hinge as a template, drill Ø1/4" holes through the pilaster.



☑ *For 58" wall hung pilaster, establishing dimensions "A" and "B" as shown in the table will result in the top of the door being flush with the top of the pilaster when the cam setting on the door is set to 0°.*

	Dim. "A"	Dim. "B"
Ceiling Hung	7/16" (11mm)	54-9/16" (1386mm)
Wall Hung 58" (1473mm)	7/16" (11mm)	54-9/16" (1386mm)

8 Wraparound Gravity Hinges (Continued)

☑ *The door hinge assembly consists of separate door and pilaster hardware.*

☑ *Door cam surfaces can become worn under normal use. The application of lithium grease can help prolong door cam life and reduce friction between surfaces.*

C Secure the top and bottom pilaster hinge to the pilaster with the #10-24 x 3/4" barrel nuts and #10-24 x 1" shoulder screws provided.

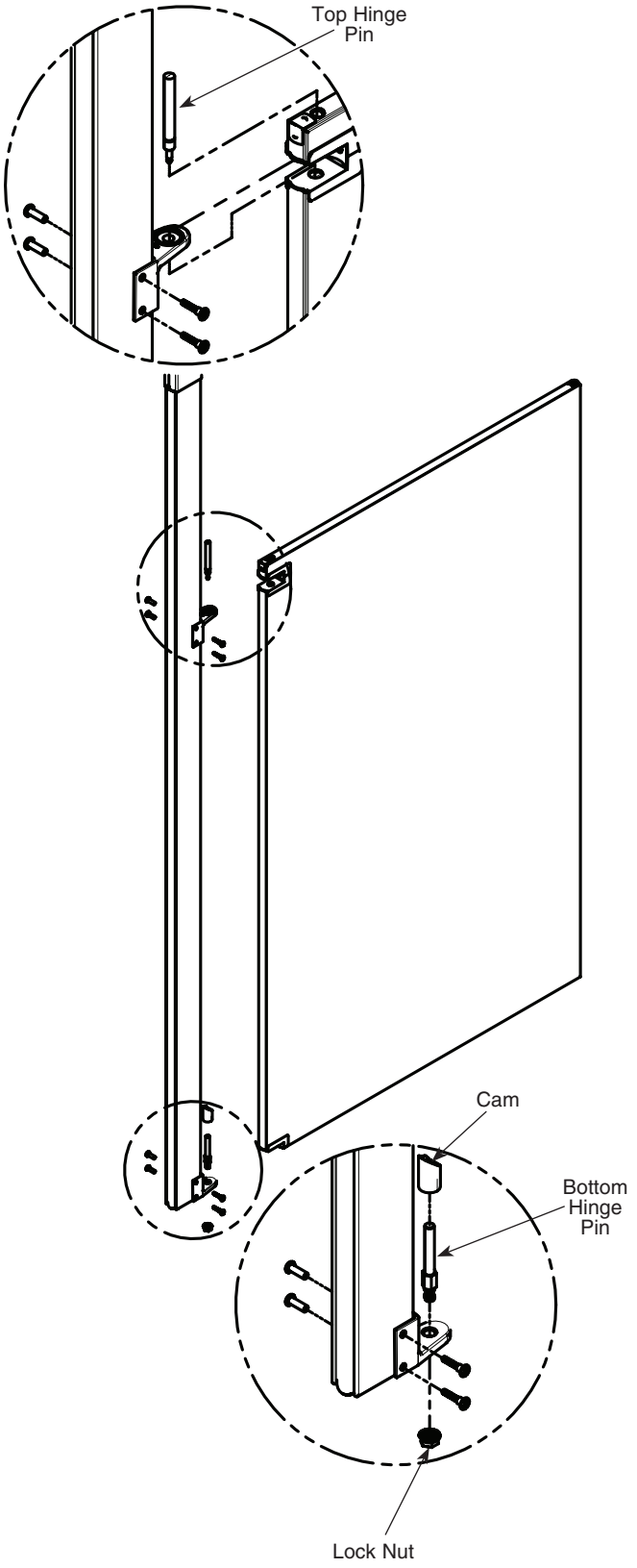
D Assemble the bottom hinge cam and pin as shown. Insert into the bottom hinge and thread the locknut loosely onto the bottom hinge pin.

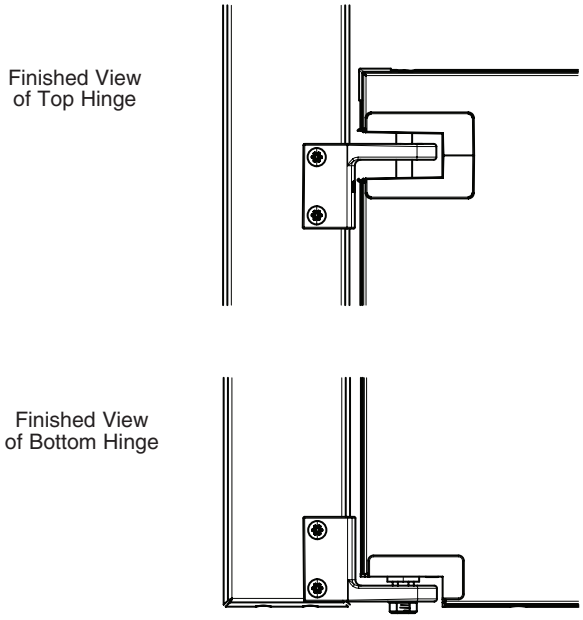
E Place the bottom door hinge opening onto the bottom pilaster hinge. Position the top door hinge opening into the top pilaster hinge and insert the top hinge pin.

☑ *The top hinge pin should snap securely into place.*

F Rotate the door to the desired "at rest" position. Push down on the door while holding it in the "at rest" position. This sets the male and female cams in the bottom hinge. Tighten the hex nut to secure the door in the "at rest" position.

☑ *For doors requiring a full close, rotate the door 15° past the closed position.*

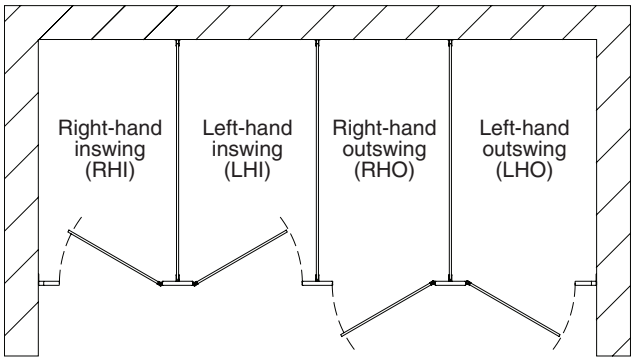




8a Continuous Spring-Loaded Piano Hinge (Optional)

☑ *Before installing the hinges, make sure the door openings are the appropriate size, all pilasters are plumb and secured to the ceiling.*

☑ *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.*

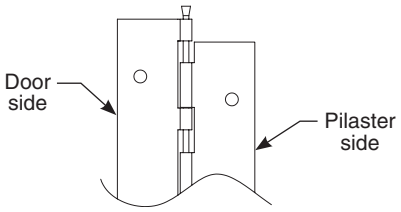


Continuous Piano Hinge

The part numbers listed are prefixes only and are used to identify the appropriate door kit based on your door swing as determined 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.

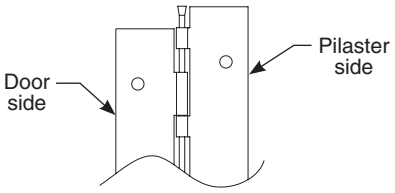
Part # Prefix HDWT-S0209

(left hand in, right hand out, knuckles facing front)



Part # Prefix HDWT-S0208

(right hand in, left hand out, knuckles facing front)



A Place a door on a 12" (305mm) spacer and set the door gaps. Standard hinge side gap is 9/32" (7mm).

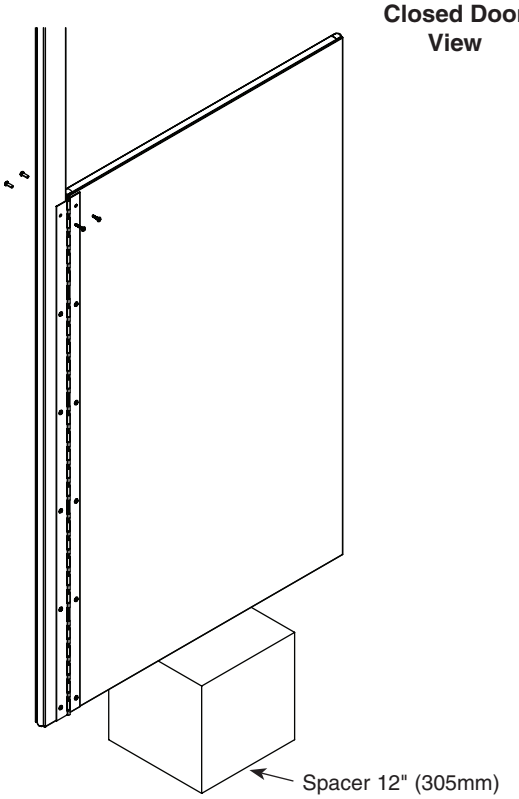
B Position the hinge so it is plumb and centered within the 9/32" (7mm) gap and centered top to bottom (approximately 1/4" (6mm) down from the top of the door).

C 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" stainless barrel nuts and #10-24 x 3/4" stainless shoulder screws provided.

D Check to make sure the hinge side gap is still at 9/32" (7mm). 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" stainless barrel nuts and #10-24 x 1" stainless shoulder screws provided.

E Drill Ø1/4" holes through the remaining hinge holes on the door and pilaster. Secure with the fasteners provided.

Closed Door View



8b Stainless Steel Flat Hinge (Optional)

☑ *See Step 1 for instructions on laying out pilaster plumb line.*

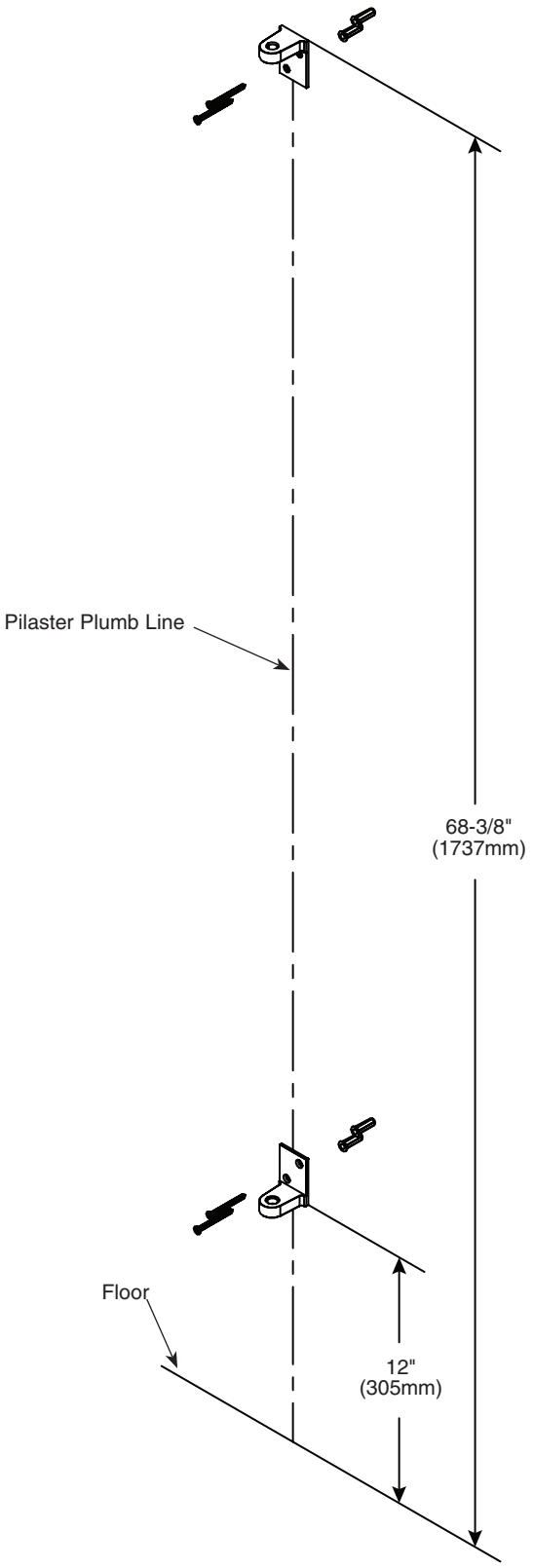
A From the highest point in the room, measure 12" (305mm) and 68-3/8" (1737mm) from the floor. Use a level to transfer these marks to the pilaster plumb line.

B Position the bottom of the bottom flat hinge on the 12" (305mm) mark and center on the pilaster plumb line. Using the flat hinge as a template, mark the hole locations on the wall. Remove the flat hinge and drill a Ø1/4" hole (minimum 2" [51mm] deep) at each hole location.

C Position the top of the top flat hinge on the 68-3/8" (1737mm) mark and center on the pilaster plumb line. Using the flat hinge as a template, mark the hole locations on the wall. Remove the flat hinge and drill a Ø1/4" hole (minimum 2" [51mm] deep) at each hole location.

D Insert plastic anchors in all holes and secure the flat hinge to the wall with #10 x 2" stainless flat head screws provided.

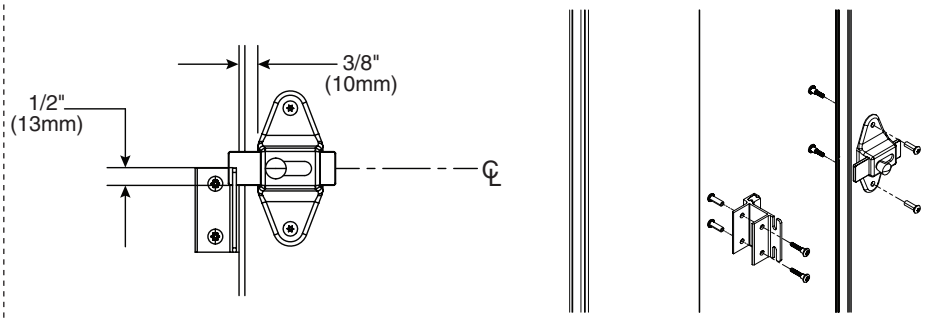
E See step 8, D thru F for instructions on attaching the door to the hinge.



9 Door Hardware for Inswing Doors - Surface

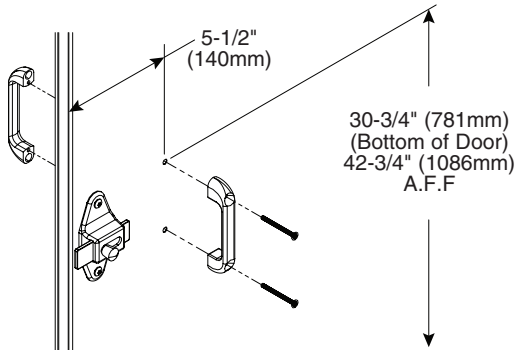
Local codes vary from state to state. Check your local codes before installing the coat hook and door pulls.

A Position latch centered top to bottom and with the leading edge 3/8" (10mm) from the door edge. Using the latch as a template, mark the hole locations and drill Ø1/4" holes through the door. Secure latch to door with the #10-24 x 3/4" barrel nuts and #10-24 x 3/4" shoulder screws provided.

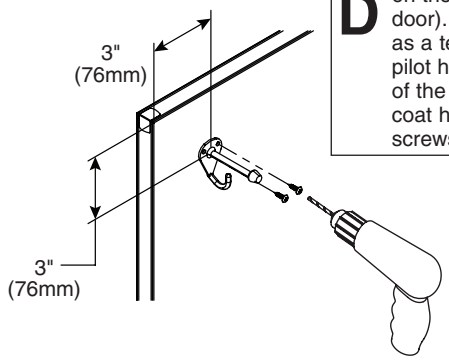


B With the door in the closed position, position the strike/keeper on the pilaster and align the top so it is 1/2" (13mm) above the bottom of the latch slide bar. Using the strike/keeper as a template, mark the hole locations and drill Ø1/4" holes through the pilaster. Secure the strike/keeper to the pilaster with the #10-24 x 3/4" barrel nuts and #10-24 x 1" shoulder screws provided.

C For 34" - 36" doors, mark the location for the top hole on the inside face of the door 30-3/4" (781mm) up from the bottom of 58" 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 with the #10-24 x 2" flat machine screws provided.

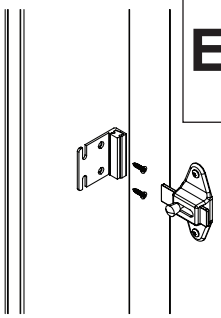


D Place the coat hook 3" (76mm) down from the top and 3" (76mm) from the latch side of the door (hook goes on the inside face of the door). Using the coat hook as a template, drill (2) Ø9/64" pilot holes through inside face of the door only. Secure the coat hook with the #10 x 5/8" screws provided.



Flat Strike/Keeper

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

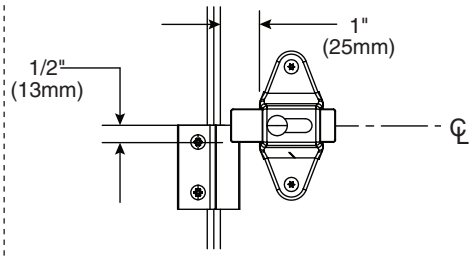


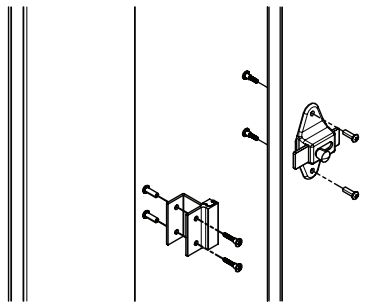
F Using the flat strike/keeper as a template, drill (2) Ø1/8" pilot holes through one face of the pilaster only. Secure the flat strike/keeper with the #10 x 3/4" flat head screws provided.

9a Door Hardware for Outswing Doors - Surface

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

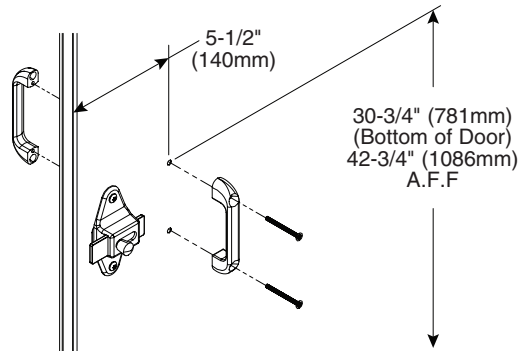
A Position latch centered top to bottom and with the leading edge 1" (25mm) from the door edge. Using the latch as a template, mark the hole locations and drill Ø1/4" holes through the door. Secure latch to door with the #10-24 x 3/4" barrel nuts and #10-24 x 3/4" shoulder screws provided.



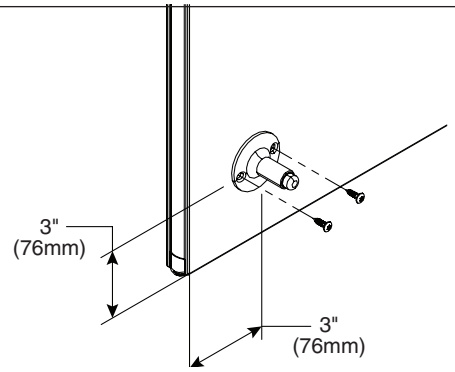


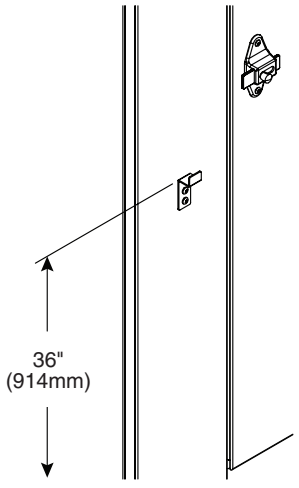
B With the door in the closed position, position the strike/keeper on the pilaster and align the top so it is 1/2" (13mm) above the bottom of the latch slide bar. Using the strike/keeper as a template, mark the hole locations and drill Ø1/4" holes through the pilaster. Secure the strike/keeper to the pilaster with the #10-24 x 3/4" barrel nuts and #10-24 x 1" shoulder screws provided.

C Mark the location for the top hole on the inside face of the door 30-3/4" (781mm) up from the bottom of 58" 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 Position the 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) Ø9/64" pilot holes through outside face of the door only and secure to door with the #10 x 5/8" screws provided.



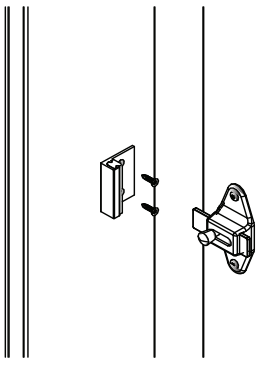


E Position the coat hook 36" (914mm) above finished floor (hook goes on the inside of compartment). Using the hook as a template, drill (2) Ø3/16" pilot holes through inside face of the pilaster only and secure with the #14 x 5/8" screws provided.

Flat Strike/Keeper

F With the door in the closed position, position the flat strike/keeper on the pilaster and align the top so it is 1/2" (13mm) above the bottom of the latch slide bar.

G Using the flat strike/keeper as a template, drill (2) Ø1/8" pilot holes through one face of pilaster only. Secure the flat strike/keeper to the pilaster using the #10 x 3/4" flat head screws provided.

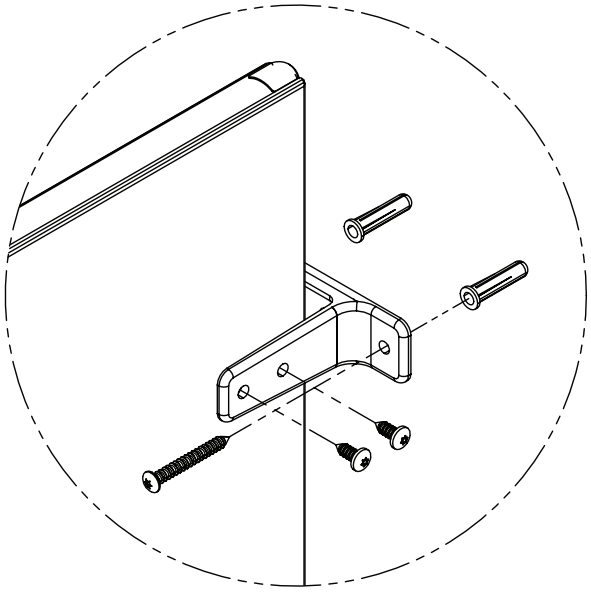


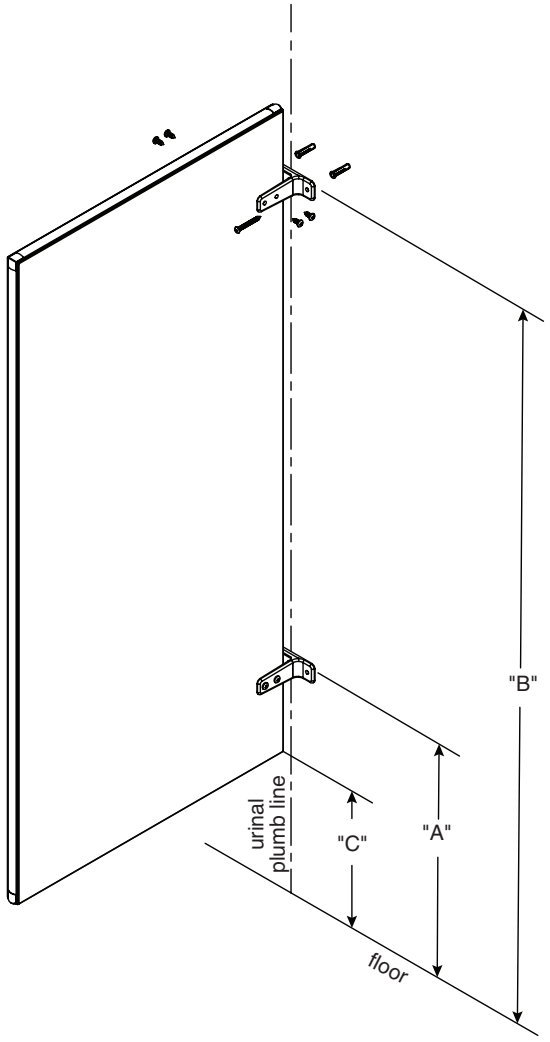
10 Urinal Screens with Stirrup Brackets (Standard)

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

A 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 dimensions "A" and "B" for the respective urinal screen height (see table below).

B Position and center brackets at each mark and 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.





C Insert plastic anchors in all holes and secure bracket to the wall with the #14 x 2" screws provided.

D Place the urinal screen at dimension "C" for the respective urinal screen height (see table on right) and insert it into the wall brackets until a 1" (25mm) gap between the wall and urinal screen is established.

E Using the bracket as a template, drill Ø3/16" holes through the urinal screen at each bracket hole. Secure the urinal screen to the brackets with the #14 x 5/8" screws provided.

	Dim "A"	Dim "B"	Dim "C"
42" Urinal Screen	24" (610mm)	54" (1372mm)	18" (457mm)
48" Urinal Screen	18" (457mm)	54" (1372mm)	12" (305mm)

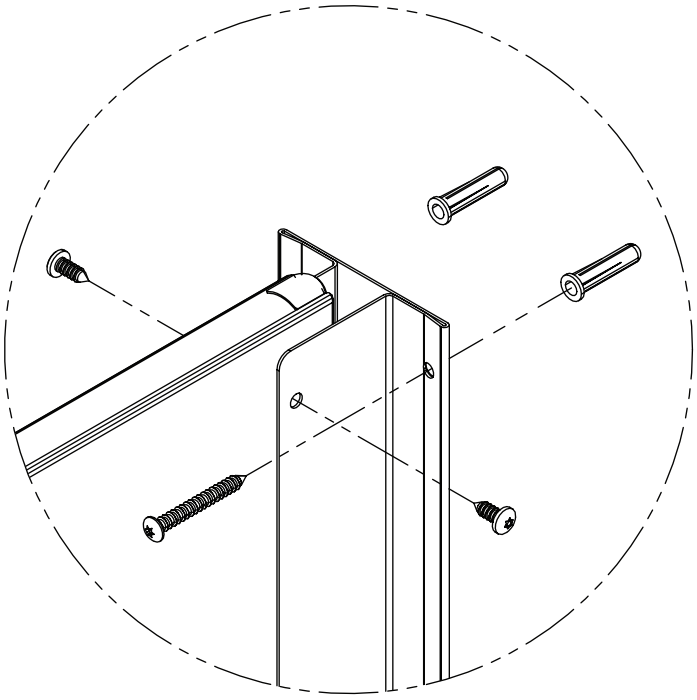
10a Urinal Screens with Continuous Stainless Steel Brackets (Optional)

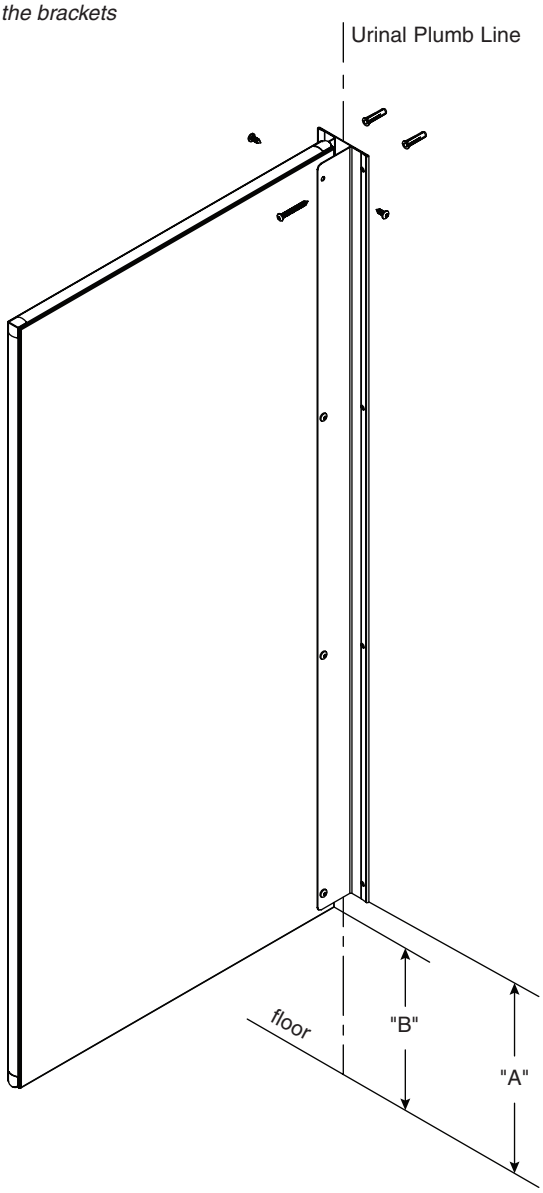
☑ *Before installing the urinal screen components, determine the correct location for your application.*

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

A 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 below).

B 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.





C Insert plastic anchors in all holes and secure bracket to the wall with the #14 x 2" stainless screws provided.

D Place the urinal screen at dimension "B" for the respective urinal screen height (see table on right) and insert it into the wall bracket until a 1" (25mm) gap between the wall and urinal screen is established.

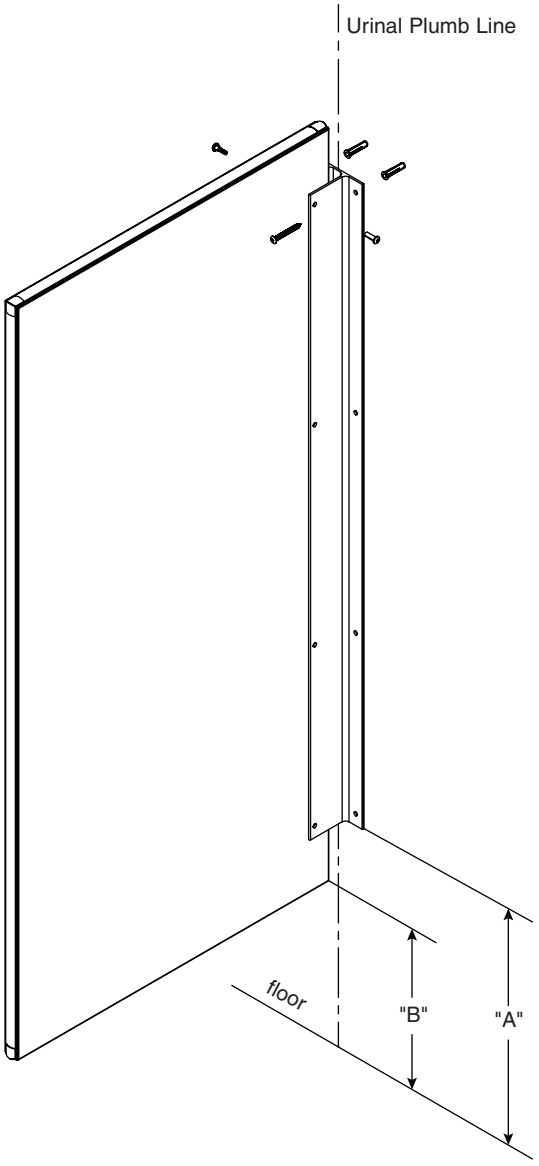
E Using the bracket as a template, drill Ø3/16" holes through the urinal screen at each bracket hole. Secure the urinal screen to the bracket with the #14 x 5/8" stainless screws provided.

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

10b Urinal Screens with Continuous Aluminum Brackets (Optional)

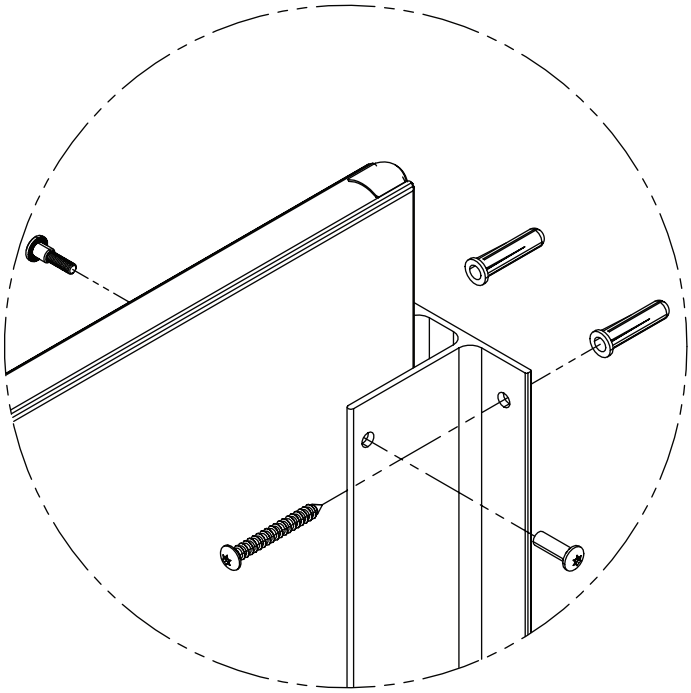
☑ *Before installing the urinal screen components, determine the correct location for your application.*

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



A 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 below).

B 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.



C Insert plastic anchors in all holes and secure bracket to the wall with the #14 x 2" stainless screws provided.

D Place the urinal screen at dimension "B" for the respective urinal screen height (see table on right) and insert it into the wall bracket until a 1" (25mm) gap between the wall and urinal screen is established.

E 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" stainless barrel nuts and #10-24 x 3/4" stainless shoulder screws provided.

	Dim "A"	Dim "B"
42" Urinal Screen	18-1/4" (464mm)	18" (457mm)
48" Urinal Screen	15-1/4" (387mm)	12" (305mm)