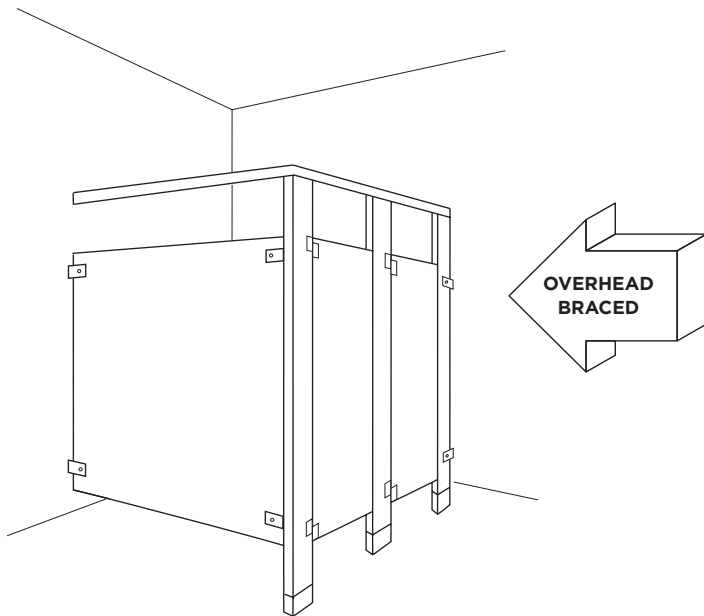


INSTALLATION INSTRUCTIONS

HIGH PRESSURE LAMINATE (HPL) TOILET PARTITIONS

1542 Classic Series®



Text



IMPORTANT:

Storage and Handling Information on last page. For faster, easier installation, please review these instructions thoroughly prior to installation.

PREPARATION

PRE-INSTALLATION.

- A. Structural support in walls and floors is not furnished by Bobrick. Confirm that adequate backing is present in wall, ceiling and floors prior to installation.
- B. This installation booklet must be used with the Bobrick layout sheets.
- C. You may verify hardware receipt by cross-referencing the last page of the layout sheets against the box contents.

INSTALLATION STEPS.

















1. Lay Out All Anchor Locations.....Page 3
2. Install All Anchors.....Page 4
3. Install Wall Brackets.....Page 7
4. Position Panels.....Page 9
5. Install Stile-To-Panel Brackets.....Page 9
6. Install Stiles/Wall Post.....Page 11
7. Install Headrail (if applicable).....Page 12
8. Install Inswing Doors.....Page 13
9. Install Outswing Doors.....Page 14
10. Install Shoes.....Page 15
11. Finishing And Cleanup.....Page 16



- A. Organize components with appropriate hardware.
- B. When calculating distances to centerlines, all panels, stiles, and doors are 1" (25mm) thick.
- C. Look for panel-to-stile offsets indicated on the layout sheets.

RECOMMENDED TOOLS.

CAUTION: Be sure to use proper safety gear.

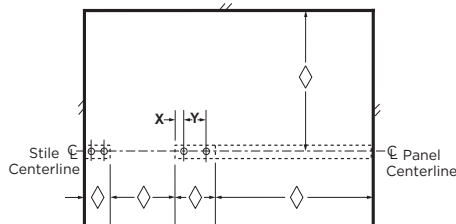
1.  Chalk Line
2.  Self Leveling Laser Device
3.  Masking Tape (for laying out holes on floors/walls/ceilings to be drilled)
4.  Tape Measure and Pencils
5.  Center Punch
6.  Electric and/or Battery-Powered Drill
7.  Drill Bits
#19 (.166") M4.2
3/16" (4.7mm)
5/16" (8mm)
3/8" (9.5mm) for Concrete/Masonry
7/16" (11mm)
8.  Screwdrivers/Screwdriver Bits
slotted and phillips, #1, #2 and #3
9.  Pin-Head Torx Screw Driver - (to install door hardware) - Supplied by Bobrick
10.  Shims
11.  Adjustable Supports
1-1/2" to 12" (40-105mm)
12.  Level
13.  Wrench - 9/16" (14mm) open end (2 reqd. for adjusting hex nuts on anchors)
14.  Hack Saw
15.  Hammer
16.  Safety Glasses

STEP 1 LAY OUT ALL ANCHOR LOCATIONS

LAYOUT EXAMPLES.

LEGEND: ◇ Obtain Dimension from Bobrick Layout Sheet.

Fig. 1b: Overhead-Braced Alcove Closed Layout.

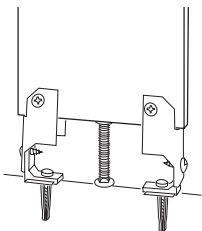


NOTE: The stiles are in-line with panel.

X Dim. = Stile Edge to Centerline of Mounting Hole. Y Dim. = Centerline-to-Centerline of Mounting Hole.

- Refer to Bobrick layout sheets for component locations on your specific application.
- From back wall, measure and mark the location of the stile centerline. Stile centerline = 1/2" (13mm) + panel length + gaps specified on layout sheets.
- From side wall and center of stile location, measure dimensions for floor or ceiling anchors according to layout sheet. Refer to the drilling tables below for center-to-center distances between anchors. For example: Overhead Braced stiles centerline of floor anchor from edge of stile is 1" (25mm); dimension on 3" (8cm) stile is 1-1/2" (38mm).

Fig. 1e: Detail of Overhead Braced Stile



NOTE: 16", 18", 20", 24" (41, 46, 51, 61cm) stiles have 2 leveling bars. Use the 2 outside slots for the 2 anchors.

Drilling Table							
Overhead-Braced Series — Standard				Floor-Anchored Series & Ceiling-Hung Stiles			
Stile Size (width)	No. of Holes	X Dim.	Y Dim.	Stile Size (width)	No. of Holes	X Dim.	Y Dim.
3" (76mm)	1	1-1/2" (38mm)	-	3" (76mm)	1	1-1/2" (38mm)	-
4" (102mm)	2	1" (25mm)	2" (50mm)	4" (102mm)	1	2" (50mm)	-
5" (125mm)	2	1" (25mm)	3" (75mm)	5" (125mm)	2	1-1/8" (30mm)	2-3/4" (70mm)
6" (152mm)	2	1" (25mm)	4" (102mm)	6" (152mm)	2	5/8" (16mm)	4-3/4" (121mm)
7" (178mm)	2	1" (25mm)	5" (127mm)	7" (178mm)	2	5/8" (16mm)	5-3/4" (146mm)
8" (200mm)	2	1" (25mm)	6" (152mm)	8" (200mm)	2	5/8" (16mm)	6-3/4" (172mm)
10" (254mm)	2	1" (25mm)	8" (200mm)	10" (254mm)	2	5/8" (16mm)	8-3/4" (222mm)
12" (305mm)	2	1" (25mm)	10" (254mm)	12" (305mm)	2	5/8" (16mm)	10-3/4" (273mm)
16" (406mm)	2	1" (25mm)	14" (355mm)	16" (406mm)	2	5/8" (16mm)	14-3/4" (375mm)
18" (457mm)	2	1" (25mm)	16" (406mm)	18" (457mm)	2	5/8" (16mm)	16-3/4" (426mm)
20" (508mm)	2	1" (25mm)	18" (455mm)	20" (508mm)	2	5/8" (16mm)	18-3/4" (475mm)
24" (610mm)	2	1" (25mm)	22" (560mm)	24" (610mm)	2	5/8" (16mm)	22-3/4" (578mm)

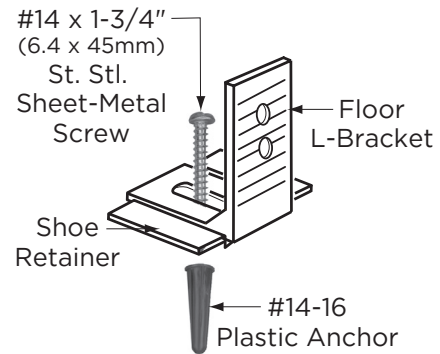
STEP 2 INSTALL ALL ANCHORS

OVERHEAD BRACED FLOOR ANCHORS.

- A. Based on stile size locate centerline of floor L-brackets from Drilling Table. (See page 3).
- B. Drill 5/16" (8mm) diameter hole to 1-3/4" (45mm) minimum depth. Remove all loose material from holes.
- C. Install plastic anchors into holes.
- D. Place one shoe retainer bracket at each hole location.
- E. Place floor L-bracket on top of and inside each shoe retainer.
- F. Install #14 x 1-3/4" (M6.4 x 45mm) floor screws to retain bottom floor L-brackets and shoe retainers. **Do NOT tighten screws.** Screws should be loose enough to adjust the floor L-brackets.
- G. Using the stile as a measurement tool, adjust the floor L-brackets to fit *inside* the stile brackets. Mark locations.
- H. Remove stile and tighten floor screws securely.

NOTE: Wood-floor anchors are available upon request. To install drill 3/16" pilot hole in the floor and install using #14 x 1-3/4" (M6.3 x 45mm) screws.

Fig. 2a: Detail of Overhead Braced Floor Anchor.

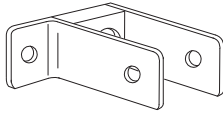


#1002416
FLOOR ANCHOR
PACKET-1540SERIES

BRACKET AND SCREW GUIDE

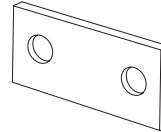
F-bracket

Panel to Wall
Stile to Wall
#1002350
Panel Packet



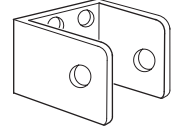
Flat Plate

Panel to In-Line Stile
#1002394
Alcove Packet



U-bracket

Panel to Stile
#1002350
Panel Packet



SCREWS



Flat Plate - Panel to In-Line Stile
**15/16" Shoulder Screw and
5/8" Barrel Nut**



F-Bracket - Stile/Panel to Wall
#12 x 2" - Phillips

Pilot Hole Sizes—

- **3/16" (.187) x 5/8" (16mm)**
- For attachment of brackets to panels and stiles.
- Do not through-drill.
- **Through-drilling required.**
- For attachment of Panel to In-line Stile brackets.
- **#19 (.166) x 2" (50mm)**
- For attachment of panel to wall brackets to stud backing.

NOTE: Adequate wall backing is required.

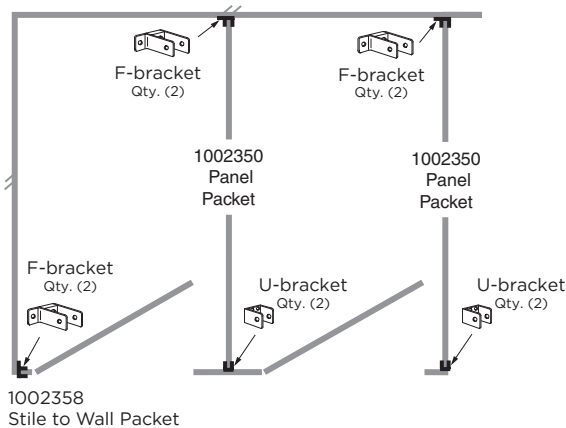
EXAMPLE BRACKET APPLICATIONS.

Use #12 x 2" screws for all stile-to-wall and panel-to-wall attachments.

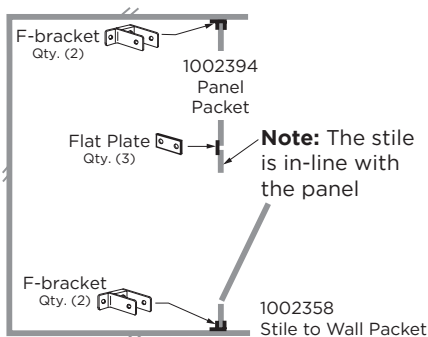
Use #14 x 5/8" screws on brackets-to-panel and stile.

Use 15/16" shoulder screw and 5/8" barrel nut on panel-to-in-line stile.

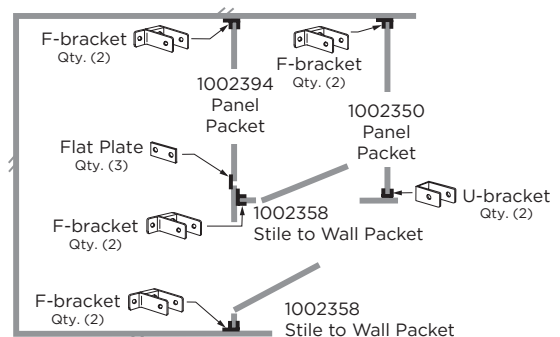
Front-Entry Corner Layout.



Overhead-Braced Alcove Closed Layout.



Overhead-Braced Alcove Open Layout and Adjoining Front-Entry Stall.



CHROME HARDWARE

STEP 3 INSTALL WALL BRACKETS AND WALL POSTS

- Measure and mark the locations of centerlines for all the stiles and panels on walls.
- Using the wall brackets as templates, measure and mark the location of all mounting holes plumb, according to dimensions shown in illustrations (Fig. 3a, 3b, 3c).
- Use #19 (.166) drill bit (4.2mm) x 2" (50mm) pilot hole into adequate wall backing.
- Secure wall brackets with #12 x 2" (M5.5 x 50mm) screws.

⊕ These mounting points require wall backing.

◇ Obtain Dimension from Bobrick Layout Sheet.

Fig. 3a: Front-Entry Corner Layout with Wall Post

CHROME HARDWARE

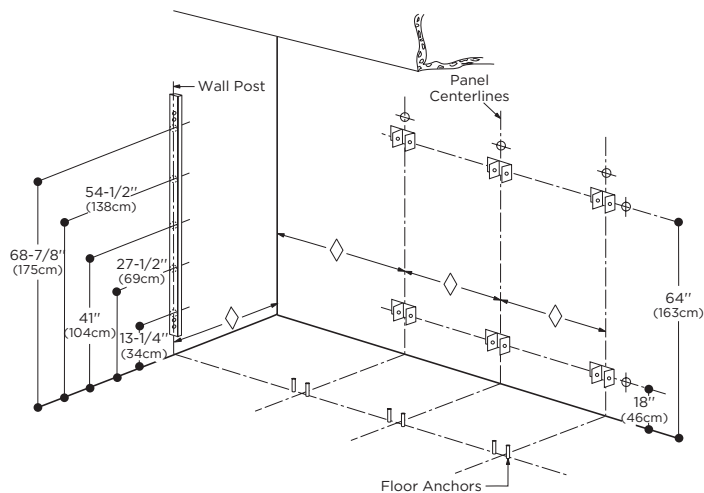
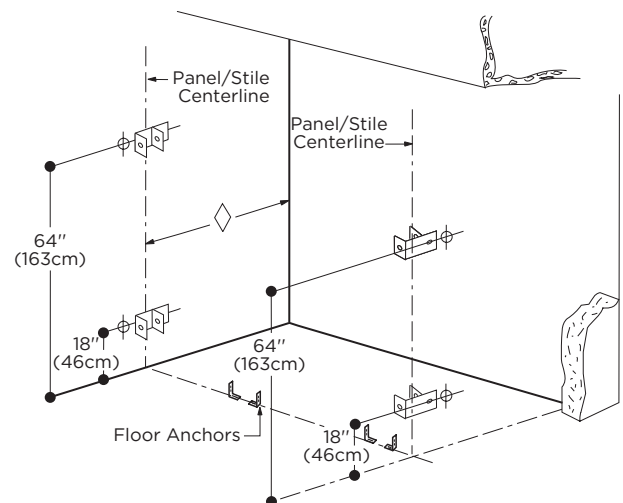


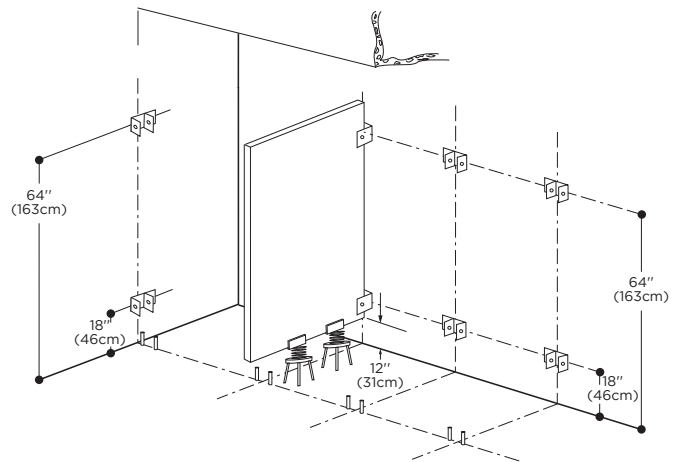
Fig. 3c: Overhead-Braced Alcove Closed Layout.



STEP 4 POSITION PANELS

1. Place adjustable supports in position for each panel to hold them 12" (305mm) above the floor.
2. Place panels on the supports and into their respective wall brackets. *Do not secure panels to wall brackets at this time.*

Fig. 4: Panel and Adjustable Supports.

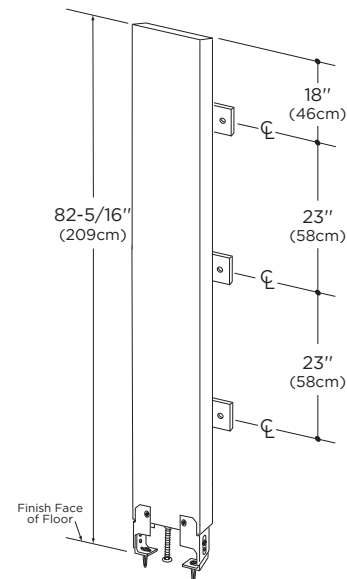


STEP 5 INSTALL STILE-TO-PANEL BRACKETS

CAUTION: Panel centerline is not always on the stile centerline. Refer to Bobrick Layout Sheets for panel offsets.

- A. Measure and mark the centerlines for two (2) U-brackets per stile.
- B. Using U-bracket as a template, mark the location of all mounting holes. Use a 3/16" (5mm) drill bit for 5/8" (16mm) deep pilot holes. *Caution: Do not drill through the stile.*
- C. Secure U-brackets with #14 x 5/8" (6.4 x 16mm) screws.
- D. Alcove in-line stile and panel attachment. (Fig 5b Alcove in-line stile) Use three (3) flat plates on one side of stile, inside stall. Attach flat plate using 15/16" (25mm) shoulder screws and 5/8" barrel nuts.

Fig. 5b: Overhead-Braced Bracket Placement.



For In-Line Stile and Panel

◇ Obtain Dimension from Bobrick Layout Sheet.

Overhead Braced Series

- A. Install leveling bolt into stile.
- B. While stile is laying flat, rotate leveling bolt so that overall stile dimension is 82-5/16" (209cm) from the head of the leveling bolt to the top edge of stile.
Note all floor slopes and adjust stile heights accordingly.
- C. Mount stile and install #14 x 5/8" (6.4 x 16mm) screws through the side of stile bracket into the floor L-bracket. *Leave screws loose. (Fig. 6d)*
- D. Level and plumb the panels. Using stile U-bracket as a template, drill 3/16" (5mm) pilot holes into the panel.
Special note: U-bracket panel hole should be a minimum of 1/2" (13mm) off edge of panel.
- F. Fasten U and F-brackets to panels with #14 x 5/8" (6.4 x 16mm) screws or 1002500 for stainless steel option.
- G. Level and plumb stile. Tighten stile bracket screws #14 x 5/8" into floor L-bracket.

Fig. 6c: Panel Installation

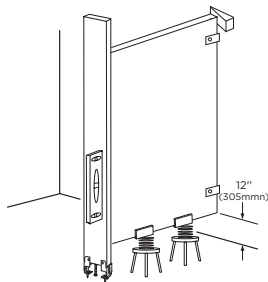


Fig. 6d: Front View Overhead Braced

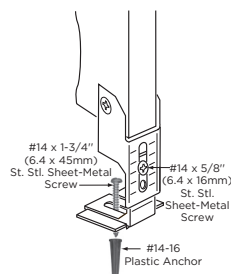
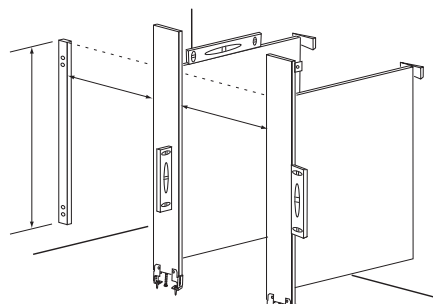
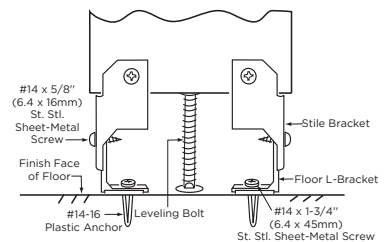


Fig. 6e: Side View Overhead Braced



STEP 7 INSTALL HEADRAIL

Note: Bobrick provides headrail in 84" (213cm) long sections. Headrail seams must be located over stiles.

- A. Measure wall-to-wall dimension less 1/4" (6mm). For corner application, measure from wall to outside edge of stile less 1/8" (3mm).
- B. Place headrail over top of stiles.
- C. Drill 3/16" (.187) x 3/4" (4.7 x 19mm) pilot holes through interior sides of headrail into stiles. Fasten headrail to stile using #12 x 7/16" (M5.5 x 10mm) screws.
- D. For corner and alcove layouts, cut return headrail 1/8" less than dimension from inner edge of headrail to the back wall.
- E. Using headrail L-bracket as a template, mark the location for mounting holes in back of front headrail and wall.
- F. Drill 3/16" (.187) x 3/4" (4.7 x 19mm) pilot holes. Fasten headrail L-bracket to stile using #12 x 7/16" (M5.5 x 10mm) screws.
- G. Drill 3/16" (.187) x 2" (50mm) pilot holes in wall. Fasten headrail L-bracket to wall using #12 x 2" (M5.5 x 50mm) screws.
- H. Insert headrail return piece into headrail L-bracket. Secure with #12 x 7/16" (M5.5 x 10mm) screws.
- I. For corner layouts, install end cap to finish open headrail end.

Fig. 7a: Alcove Configuration.

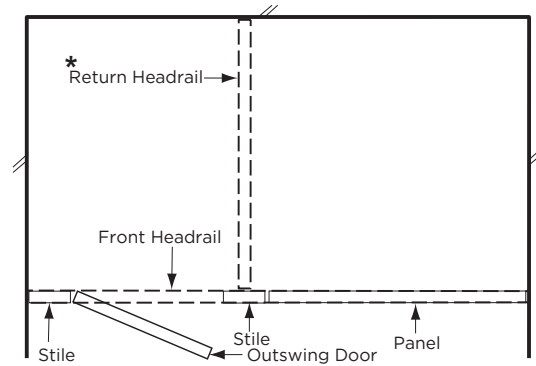


Fig. 7b: Headrail Installation Hardware. Corner Configuration.

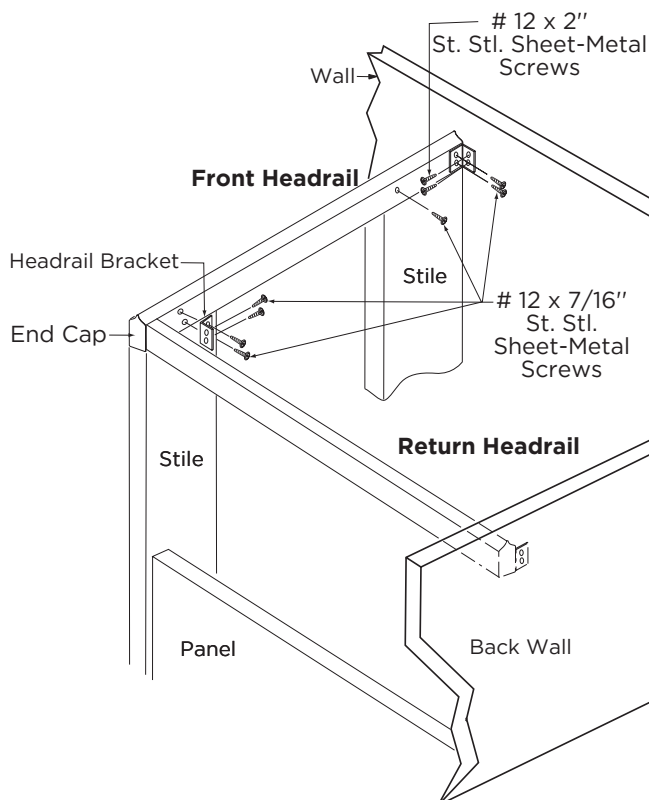
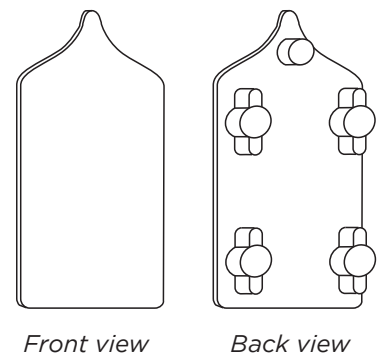


Fig. 7c: Detail of End Cap.



#1002360
HEADRAIL HDWE PACKET

STEP 8 INSTALL INSWING DOORS

- A. Secure the flanges into the door notches using #10 x 1" (4.8 x 25mm) screws (Fig. 8a).
 - B. Using the hinge brackets as a template, measure and mark the location of mounting holes in the stile. *The 12-11/16" (32cm) dimension shown (Fig. 8a Stile) is to the top edge of the stile to C_L of first hinge hole.*
 - C. Use 1/4" (6mm) bit to drill four (4) holes *through* the stile. Through-bolt the hinge brackets using one-way screws and threaded sleeves.
 - D. Mount the door, then drive the hinge pin down through the predrilled hole in the top of door.
 - E. Adjust the cam on the lower hinge bracket so the door closes to desired position, tighten hex nut.
 - F. Mount latch and keeper as shown (Fig. 8b, 8d). Through-bolt latch and keeper using one-way screws and threaded sleeves.
- NOTE:** To ensure *emergency access locate the keeper so the latch slide is seated no more than 5/16" (7mm) into the keeper slot as shown (Fig. 8b). *Emergency access is achieved by lifting door.
- F⁽²⁾. Perpendicular Keeping Stile. Mount latch as shown (Fig. 8c). Through-bolt latch using one-way screws and threaded sleeves. Using keeper as template, place keeper as shown in (Fig. 8c) overhanging edge of stile, to line up with latch slide. Mark location of mounting holes. Secure keeper to stile using #10 x 5/8" screws.
 - G. Mount robe hooks to doors at locations where they can also perform as door bumpers.
 - H. If required, apply a synthetic lubricant to the hinge.
 - I. Clean stalls as required.

Fig. 8a: Door-to-Stile Hardware.

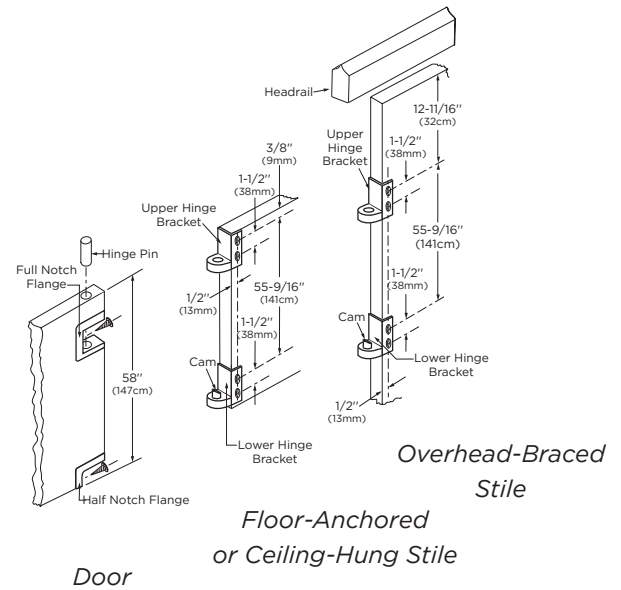
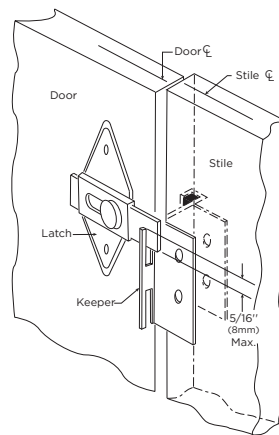
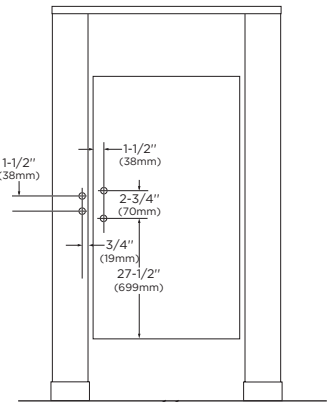


Fig. 8b: Mounting Location of Latch, Keeper with Emergency Access

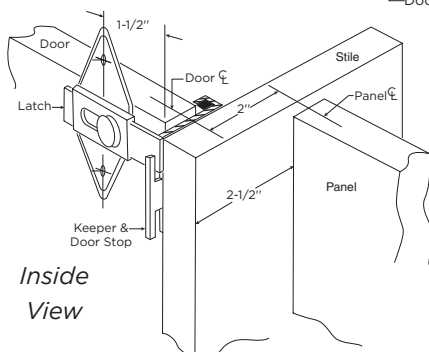
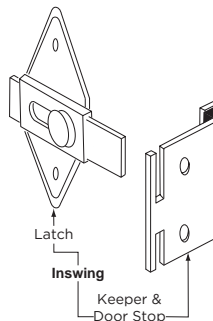
#1002038 - DOOR HDW, I/S, CHROME



#1002140 - KEEPER I/S ALCOVE, CHROME

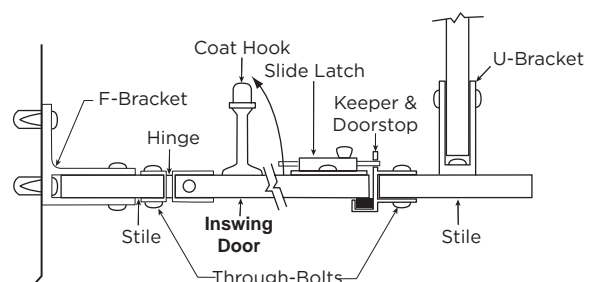


**Perpendicular Stile
See Fig. 8c**



**Fig. 8c: Perpendicular Stile
Mounting Location of Latch and Keeper.**

**Fig. 8d: Top View InLine Stile
Mounting Location of Latch and Keeper.**



STEP 9 INSTALL OUTSWING DOORS

- Secure the flanges into the door notches using #10 x 1" (4.8 x 25mm) screws (Fig. 9a).
- Using the hinge brackets as a template, measure and mark the location of mounting holes in the stile. *The 12-11/16" (32cm) dimension shown (Fig. 9a Stile) is to the top edge of the C of first hinge hole.*
- Use 1/4" (6mm) bit to drill four (4) holes *through* the stile. Through-bolt the hinge brackets using one-way screws and threaded sleeves.
- Mount the door, then drive the hinge pin down through the predrilled hole in the top of door.
- Adjust the cam on the lower hinge bracket so the door closes to desired position, then tighten the hex nut.
- Mount latches and keepers as shown (Fig. 9b, 9d). Through-bolt latches and keepers using one-way screws and threaded sleeves.

NOTE: To ensure *emergency access locate the keeper so the latch slide is seated no more than 5/16" (7mm) from the top of the keeper. (See Fig.9b). *Emergency access is achieved by lifting the door. **NOTE:** On outswing door, install the handle on outside of door opposite the latch Using the door handle as a template on the outside of door, mark location for top hole in handle 31-5/8" (803mm) up from the bottom edge of door and 2" (50mm) from side edge of door. Mark location for bottom hole in handle. Drill two (2) 3/16" (5mm) diameter holes through door. Attach door handle to outside of door using #8-32 x 1-1/4" one way screws provided.

- Perpendicular Keeping Stile. Mount latch as shown (Fig. 9c). Through-bolt latch using one-way screws and threaded sleeves.

NOTE: Using keeper as template, place keeper as shown in (Fig. 9c) to line up with latch slide. Mark location of mounting holes. Secure keeper to stile using #10 x 5/8" screws.

- Mount robe hooks to doors at locations where they can also perform as door bumpers. **NOTE:** On outswing doors, position robe hook per local barrier-free codes.
- If required, apply a synthetic lubricant to the hinge.
- Clean stalls as required.

Fig. 9a: Door-to-Stile Hardware.

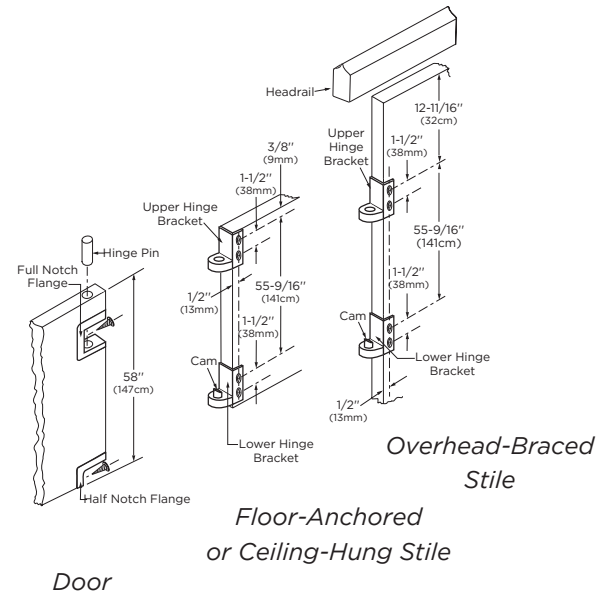
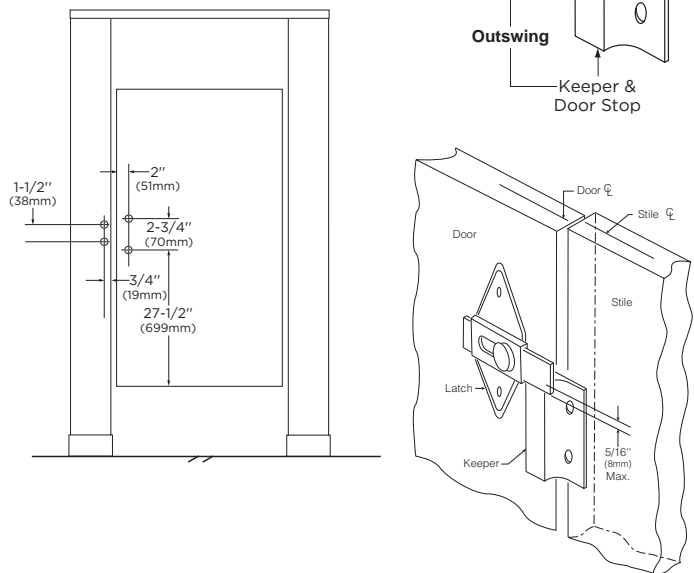


Fig. 9b: Mounting Location of Latch and Keeper with Emergency Access

#1002039 - DOOR HDW, O/S, CHROME



Perpendicular Stile to Panel See Fig. 9c

#1002144 - KEEPER O/S ALCOVE, CHROME

Fig. 9d: Top View In-Line Stile Mounting Location of Latch and Keeper.

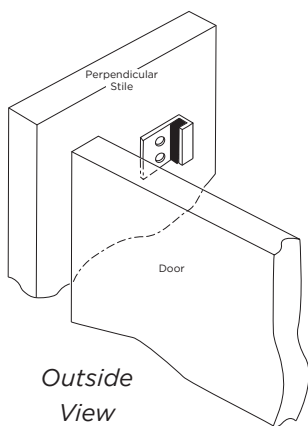
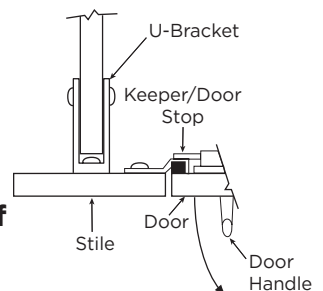
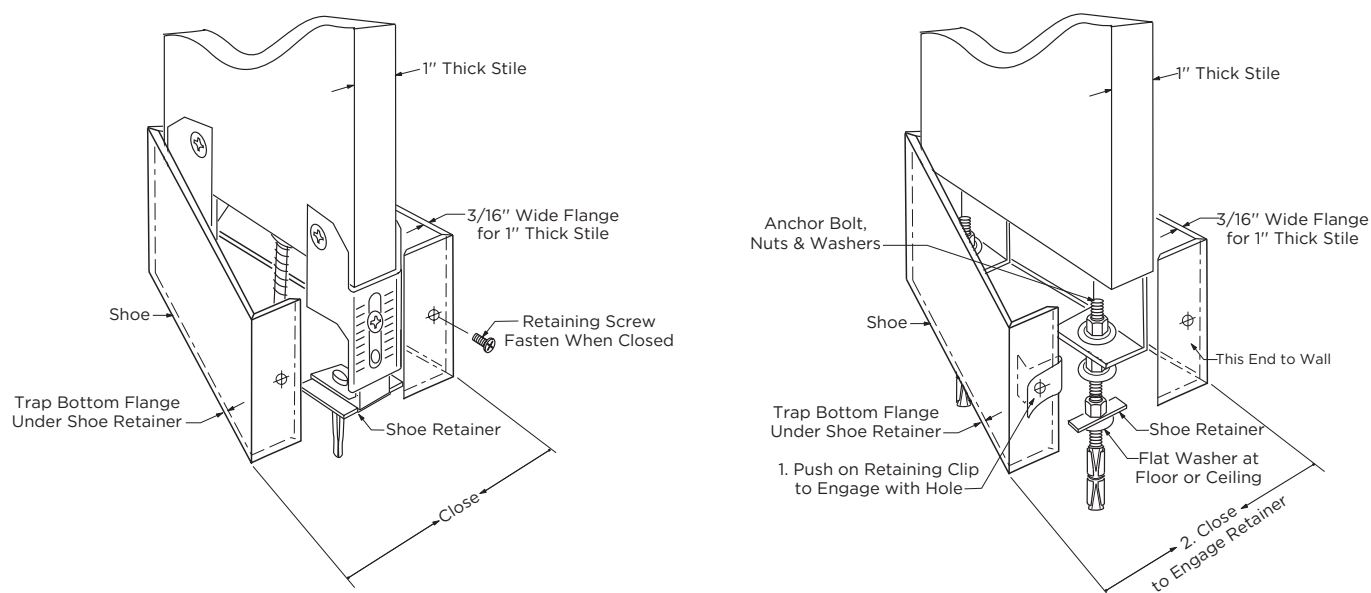


Fig. 9c: Perpendicular Stile Mounting Location of Keeper.

STEP 10 INSTALL SHOES

- A. Locate proper width shoe for stile.
- B. Confirm shoe retainer (#1002413 for Overhead-Braced Series (Fig. 10a) or #1002186 for Floor-Anchored or Ceiling-Hung Series (Fig. 10b)) is installed on anchor bolt next to flat washer closest to floor or ceiling. For anchor assembly detail, reference diagram on Page 4.
- C. Shoes accommodate 1" thick or 3/4" thick stiles. For 1" thick stiles, orient shoe with 3/16" wide flange return against faces and edge of stile.
- D. Standard Stile Installation - See Fig. 10
Open end of shoe and slide onto bottom of stile, trapping bottom flange under shoe retainer. Close open end of shoe, overlapping so holes are aligned. Install flat head retaining screw through double thickness of material to close shoe.
- E. Remove protective covering and wipe shoe clean.

Fig. 10: Standard Stile Installation. (Overhead Braced Anchor Shown)



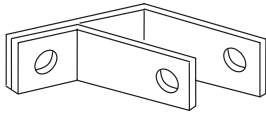
REPLACEMENT SHOE GUIDE			
Stile Width	Bobrick Part Number	Stile Width	Bobrick Part Number
3"	1002175	10"	1002179
4"	1002176	12"	1002180
5"	1002184	16"	1002181
6"	1002177	18"	1002196
7"	1002197	20"	1002182
8"	1002178	24"	1002183

STEP 11 FINISHING AND CLEANUP

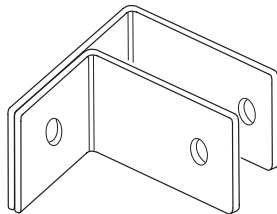
- A. Remove any exposed labels from the components of toilet compartments.
- B. Clean surfaces as needed. *CAUTION: Do not use cleaners containing acid on Bobrick toilet compartments. For example, tile cleaners containing acid may attack the stainless steel hardware. For Bobrick recommendations, refer to Bobrick Form Nos. TB-21 and TB-60.*

BRACKETS AND SCREWS

F-brackets

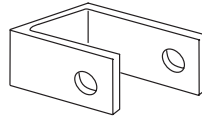


#1000353
Panel to Wall

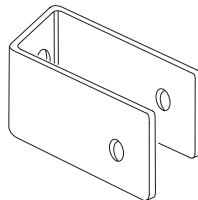


#1000975
Panel to Wall 1080 Series

U-brackets

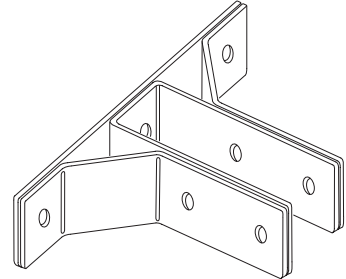


#1000356
Panel to Stile

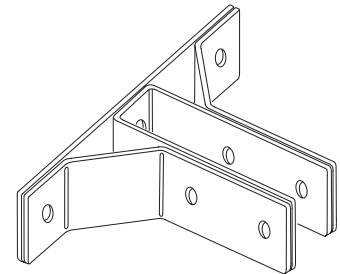


#1000972
Panel to Stile 1080 Series

U-brackets

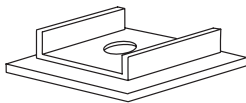


#1000357
1045 series



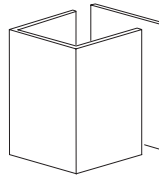
#1002956
1085 series

Base Plate



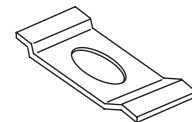
#1000157
SPC Hardware

Shoe



#1000158 Front Plate
#1000159 Rear Plate
SPC Hardware

Shoe Retainer



#1000103
SPC Hardware



#1002500
#12 x 3/4" 1040 Bracket to Screen



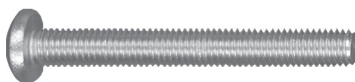
#1002499
#12 x 7/16" Bracket to Panel/
Bracket to Stile 1080 Series



#1000050
#10-32 x 3/8" Phillips
SPC Bracket to Post



#1000133
Acorn Nut - 10-32
Through-Bolt Urinal Screen



#1000134
#10-32 x 1-3/4" (44mm) Phillips
Through-Bolt Urinal Screen 1040 Series



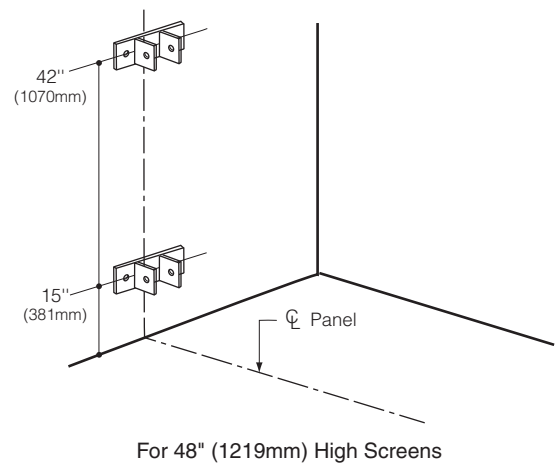
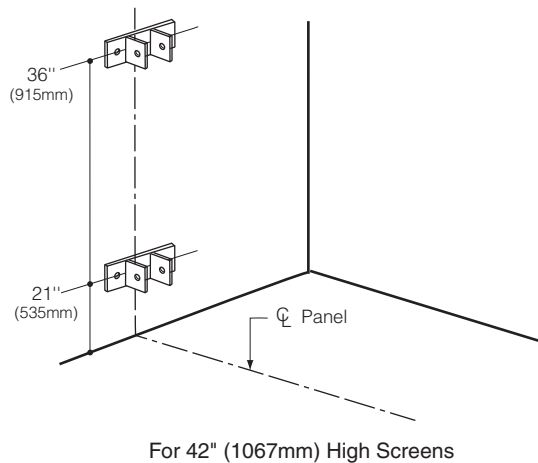
#1002966
#10-32 x 1-1/4" (38mm) Pin-in-Head Torx Screw
Screen - 1080 Series



#1002495
#12 x 2" (50mm)
Wall Screws

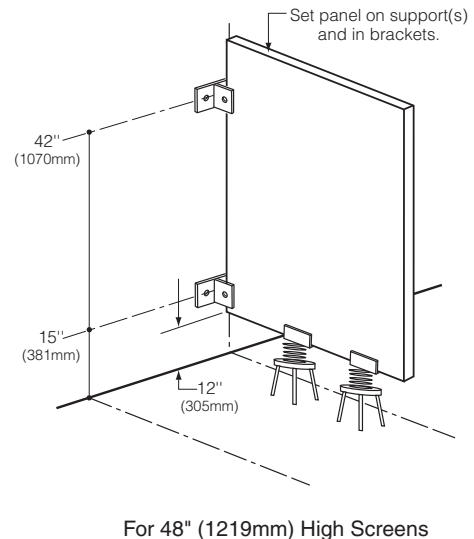
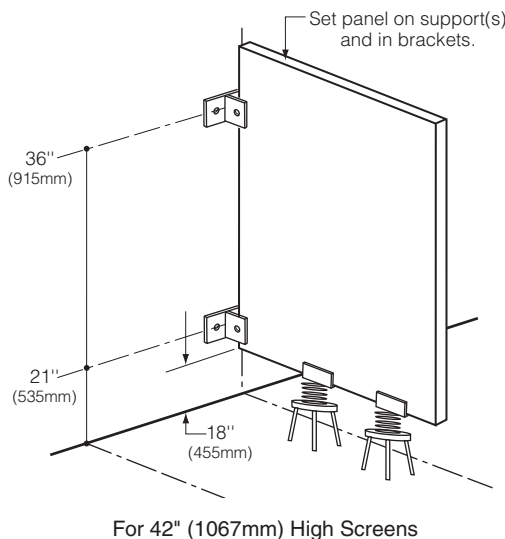
STEP 1 WALL HUNG URINAL SCREENS

Fig. a: Layout Walls and Install Brackets.



- Using the wall brackets as templates, measure and mark the location of all mounting holes, according to dimensions shown in illustrations (Fig. a, b).
- Use #19 (.166) drill bit for 2" (50mm) deep pilot holes into adequate wall backing.
- Secure wall brackets with #12 x 2" screws.

Fig. b: Put Screen in Place.



- Position panel so that it contacts the heads of the screws that attach the brackets to the wall.
- Using brackets as templates, drill #19 through the panel.
- Fasten panel to brackets with #10-32 x 1-1/4" (#10-32 x 1-3/4" 1040 only) screw and #10-32 acorn nut.

FINISHING AND CLEANUP

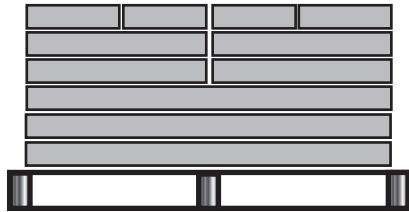
- Remove any exposed labels from the components.
- Clean surfaces as needed. **CAUTION:** Do not use cleaners containing acid on Bobrick toilet compartments. For example, tile cleaners containing acid may attack the stainless steel hardware. For Bobrick recommendations, refer to Bobrick Advisory Bulletins Nos. TB-21 and TB-60.

Important Toilet Partition Storage and Handling Information

Store in a clean, dry area. Do not store outside.
Move material to installation area 72 hours before installation.
Always store material flat with weight evenly supported.

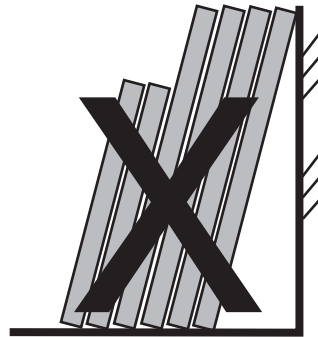
Toilet Partition Stacking

Do This



Stack Flat

Don't Do This



Stack Upright

Failure to follow these instructions may result in warped material
which is not covered by Bobrick's warranty.



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