# INSTALLATION

## INSTRUCTIONS

IRONWOOD MANUFACTURING

IRONWOOD MANUFACTURING | 6405A 172ND ST NE, ARLINGTON, WA 98223 | 360-568-1823

# Table of Contents

Thank you for choosing Ironwood Manufacturing.

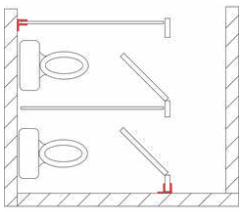
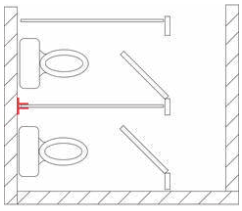
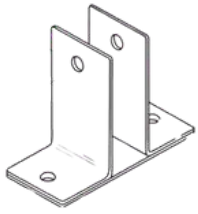
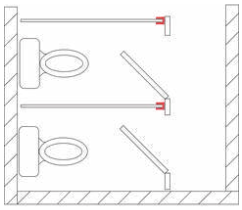
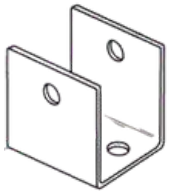
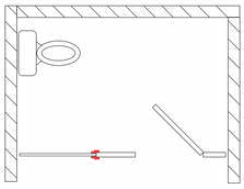
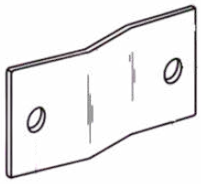
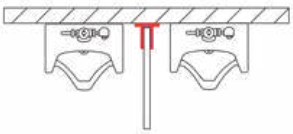
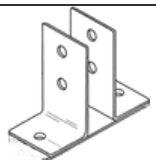
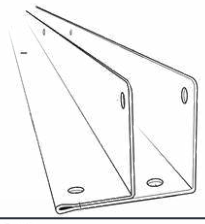
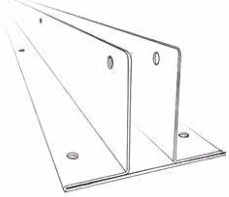
These instructions will guide you through the step-by-step process of installing Ironwood toilet partitions. Before beginning, please take a few minutes to review this guide and your job-specific shop drawings. A clear understanding of the materials, layout, and installation steps will help ensure a smooth process and successful result.

**IMPORTANT**

- **Confirm** site conditions match these requirements and your shop drawings.
- **Refer** to shop drawings for specialty components not included in this guide.
- **Follow** these instructions and use only designated hardware to maintain warranty coverage.
- These instructions apply to **Plastic Laminate (HPL), Wood Veneer, and Compact Laminate (Phenolic)** partitions only.
- **Contact Ironwood** before proceeding if anything is unclear.

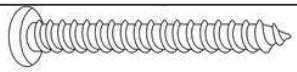
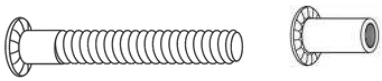
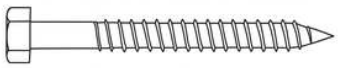
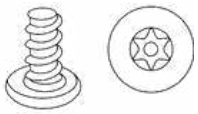
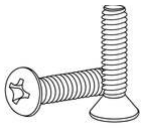
# HARDWARE AND TOOLS

## BRACKETS

| Bracket Type | Primary Use | Installation Notes | Location | Hardware Image |
|---|---|---|---|---|
| One Ear Bracket | Connects pilasters and end panels to walls | Mount with ear to the inside of the stall. If appropriate align holes with tile grout line |  |  |
| Two Ear Bracket | Connects interior panels to walls | If appropriate align holes with tile grout line |  |  |
| U Bracket | Connects panels to pilasters | Do not use through bolts |  |  |
| Alcove Clip | Connects panels to inline pilasters | Two brackets mounted back to back. Ensure no gap is present between panel and pilaster |  |  |
| Urinal Screen Bracket | Connects urinal screens to walls | If appropriate align holes with tile grout line |  |  |
| One Ear Continuous Bracket | Connects pilasters and end panels to walls | Set tops of brackets to a consistent height across all walls | ** See One Ear Bracket |  |
| Two Ear Continuous Bracket | Connects interior panels to walls | Set tops of brackets to a consistent height across all walls. | ** See Two Ear Bracket |  |

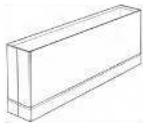
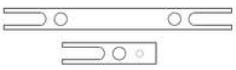
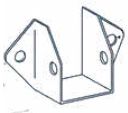
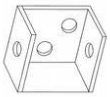
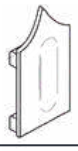
# HARDWARE AND TOOLS

## FASTENERS

| Type | Primary Use | Part Number | Hardware Image |
|---|---|---|---|
| 5/8" #10 Screw | **PLAM & Wood Veneer**<br>- U bkt to pilaster<br>- Headrail to bracket<br>- Headrail to pilasters<br>- Return headrail bracket<br>- Shoe to pilaster | |  |
| 2" #10 Screw | Floor plates to floor/ceiliing | |  |
| 3" #10 Screw | Wall brackets to wall<br>Headrail brackets to wall | |  |
| 1/2” Barrel Nut<br>3/8” Shoulder Screw | 1/2” Compact Laminate - panel brackets | 88209 (1/2" BN)<br>88229 (3/8" SH) |  |
| 5/8” Barrel Nut<br>1/2” Shoulder Screw | 5/8” Barrel Nut 1/2” Shoulder Screw | 88219 (5/8" BN)<br>88239 (1/2" SH) |  |
| 5/8” Barrel Nut<br>15/16” Shoulder Screw | 7/8” HPL-WV panel bracket<br>1/2” CPL panel to pedestal | 88219 (5/8" BN)<br>88259 (15/16" SH) |  |
| 5/8” Barrel Nut<br>1-1/16” Shoulder Screw | 3/4” CPL pilaster to pedestal<br>1-1/4” HPL-WV - pilaster bracket<br>1-1/4” HPL-WV - Hinge | 88219 (5/8" BN)<br>88269 (1-1/16" SH) |  |
| 5/8” Barrel Nut<br>1-5/16” Shoulder Screw | 1” CPL pilaster to pedestal | 88219 (5/8" BN)<br>88289 (1-5/16" SH) |  |
| 5/8” Barrel Nut<br>Threaded Stud | 1-1/4” HPL-WV pilaster to pedestal | 88219 (5/8" BN)<br>87054 |  |
| **Tapcon Screw**<br>• 2-3/4”<br>• 4” | 3” & 4” pedestal to floor (puck)<br>> 6” pedestal to floor (puck) | |  |
| Wood Dowel | Custom headrail splice | |  |
| 7/16” Pan Head - Blunt | CPL<br>U and/or L Bracket to Pilaster<br>Return Headrail to Headrail<br>Transon Clip to Transom/Pilaster<br>Hinge to Door/Pilaster<br>Shoe/Plate to Pilaster | 91429 |  |
| **Oval Head Machine Screw**<br>• 1- 3/8”<br>• 1- 5/8”<br>• 2” | Single Pull - 3/4” door thickness<br>Single Pull - 1 to 1-1/4” door thickness<br>BTB Pull - 3/4” door thickness | |  |
| **Flat Head Machine Screw**<br>• 2 - 1/4 | BTB Pull - CPL 1” door thickness<br>BTB Pull - HPL/WV 1-1/4” door thickness | |  |

# HARDWARE AND TOOLS

## MOUNTING STYLE SPECIFIC

| Type | Primary Use | Hardware Image |
|---|---|---|
| Shoe | Cover and protect the base or top of a pilaster where it meets the floor or ceiling. Used with a floor plate or pilaster mounting bar. |  |
| Floorplate | Mounting plates connect stall components to the floor or the ceiling, used in conjunction with the shoe. |  |
| Pedestal | Pedestals secure components to the floor and the ceiling while allowing for ceiling and floor height variations. |  |
| L Bracket | Mounts pilaster to floor and/or ceiling. Field cut of pilaster may be may be required for leveling. |  |
| Mounting Bar | **Floor Mount** - use wedge anchor & nuts and washers for leveling.<br>**Ceiling Hung** - use treaded rod & nuts and washers for leveling.<br>Bars are factory installed on pilasters |  |
| Aluminum Headrail | Attaches tops of pilasters to walls for stability. May require field cuts. |  |
| Headrail Wall Bracket | Connects aluminum headrail to a wall |  |
| Headrail Return Bracket | Attaches return headrail to back of headrail. Aluminum headrail only. |  |
| Headrail End Cap | Finishes open or exposed ends of aluminum headrails. |  |
| Custom Headrail | Made of matching partition material and attaches tops of pilasters to walls for stability. May require field cuts and sealing |  |

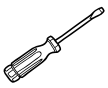
# HARDWARE AND TOOLS

## TOOLS REQUIRED

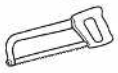

Safety Glasses


Chalk Line

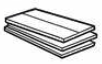

Drill


Screwdrivers


Laser Level


Hacksaw


Level


Shims


Panel Supports


Hammer


Center Punch


Wrench


Masking Tape

## SAFETY

- Wear PPE: safety glasses, gloves, hard hats
- Use caution when lifting or maneuvering heavy panels or hardware
- Follow all site-specific safety protocols
- Follow OSHA guidelines

## DRILL BIT REFERENCE

Quick guide for common anchor and latch sizes.

| Drill Bit Size | Used For |
|---|---|
| 1/8" | Hook/bumper in Plastic Laminate (HPL) or Wood Veneer |
| 11/64" | Hook/bumpers in Compact Laminate & U Brackets |
| 3/16" | Pilot holes for floor plates or ceiling |
| 1/4" | Wall plugs in masonry/tile, headrail brackets |
| 5/16" | Outer holes for latch 134499, 134493 |
| 11/32" | Outer holes for latch 141289 |
| 3/8" | Floor anchor holes for wedge anchors |
| 7/16" | Center hole for surface-mount indicator latch 141289 |
| 19/32" | Center hole for latch 134499, 134493 |

*Always confirm with shop drawings for project-specific changes*

# PRE-INSTALLATION

## DOCUMENTATION

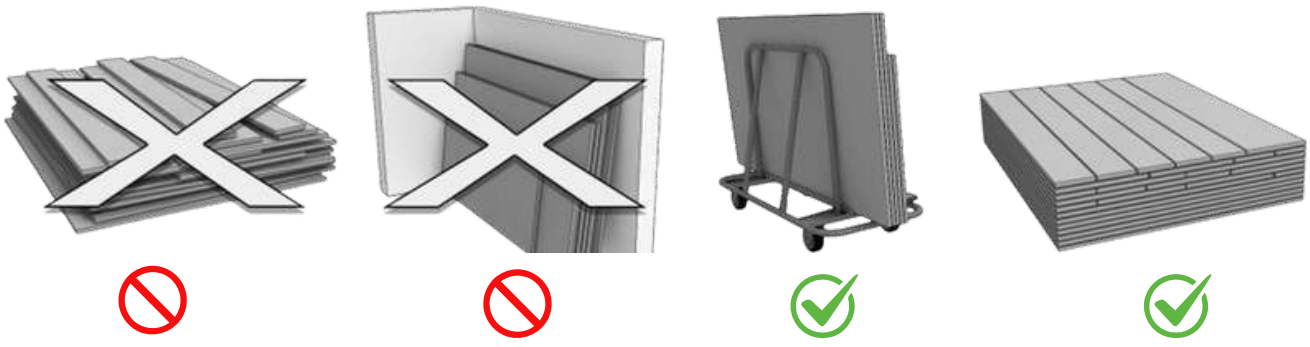
- All documentation is included in a manila envelope inside the crate
- Use the shop drawings to confirm centerlines and bracket locations
- Check the hardware list for part types and quantities
- Review installation instructions completely before beginning work

## BLOCKING REQUIREMENTS

- Confirm structural backing is in place per the shop drawings
- Check bracket, pilaster, and ceiling/wall-hung support locations
- If backing is missing, do not proceed with installation until proper support is added

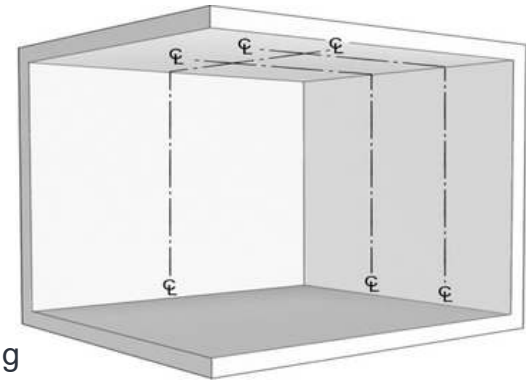
## STORAGE & HANDLING

- Store indoors in a clean, dry space, away from moisture and temperature extremes
- Inspect materials upon delivery and report any damage before installation
- Keep components supported in a packed crate or on a panel cart
- Avoid direct floor contact, leaning against walls, or loose stacking
- Proper storage and installation are required to maintain your product warranty



# LAYOUT AND MARKING

## WALLS AND CEILINGS



1. **Mark Centerline**
   - Use shop drawings to locate centerlines on all surfaces
   - Snap chalk lines and verify level and plumb with a laser

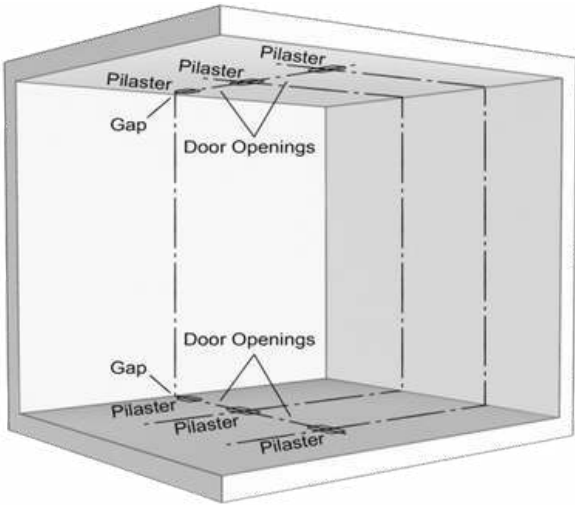
2. **Verify Layout**
   - Double-check alignment with drawings before drilling
   - Confirm component layout is accurate

## PILASTER LAYOUT

| Material | Thickness | Centerline Formula | Default Gap |
|---|---|---|---|
| Plastic Laminate / Wood Veneer | 1¼" | 0.625" + 0.375" + panel width + gap | 1" (unless noted) |
| Compact Laminate | 1" | 0.5" + 0.375" + panel width + gap | 1" (unless noted) |
| Compact Laminate | ¾" | 0.375" + 0.375" + panel width + gap | 1" (unless noted) |

1. **Mark Centerline**
   - Use the reference table to calculate pilaster centerlines from the back wall (depth)

2. **Mark Mounting Points**
   - Use shop drawings to locate floor and ceiling mounting points (width) and door clearances.
   - Compare to shop drawings to confirm, gaps may vary.
   - Measure from side walls per layout plan.
   - Snap floor and ceiling chalk lines and confirm plumb with a laser.
   - Verify door openings and gaps match the shop drawings.
   - Do not drill yet.

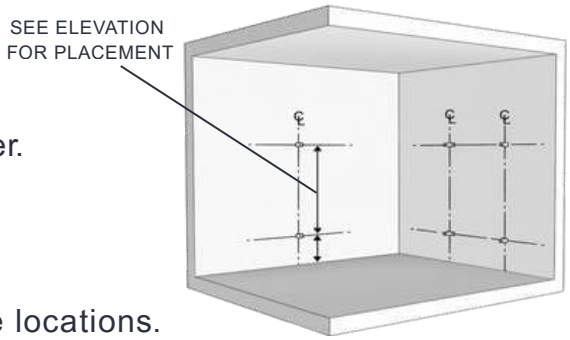


# LAYOUT AND MARKING

## WALL BRACKETS

### Fastener Requirements

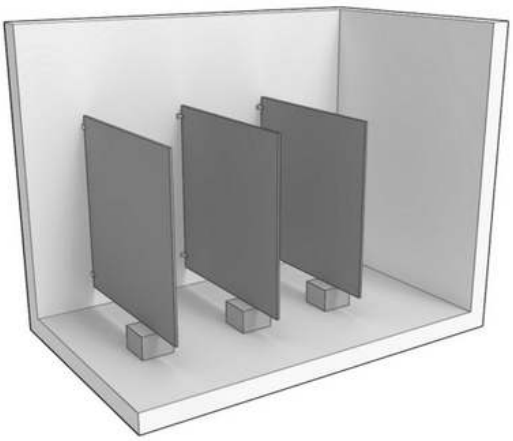
| Fastener Type | Material | Drill Size | Anchor Needed? |
|---|---|---|---|
| (2) 3" #10 stainless steel screws | Sheetrock with backing | No drilling needed | No |
| (2) 3" #10 stainless steel screws | Tile or masonry | ¼" diameter x 3" depth | Yes (plastic anchors) |




1. **Mark Bracket Height**
   - Refer to elevation views in shop drawings.
   - Mark bracket locations using a level or laser.
   - Snap chalk lines if needed.

2. **Mark Hole Locations**
   - Use the bracket as a template to mark hole locations.
   - Align fasteners with grout or mortar joints when possible to protect surface.

## PANEL PLACEMENT



1. **Position Panels**
   - Slide each panel into its assigned wall brackets.
   - Align with floor centerlines marked during layout.

2. **Level and Align**
   - Use shims or wedges to level.
   - Confirm alignment follows floor centerlines.

3. **Set Elevation**
   - Support panels at the desired height as shown in the shop drawing elevations.
   - Add additional support as needed.
   - Do not secure panels to wall brackets at this stage.
   - Fastening will be completed in a later step after pilasters are leveled and secured.

# LAYOUT AND MARKING

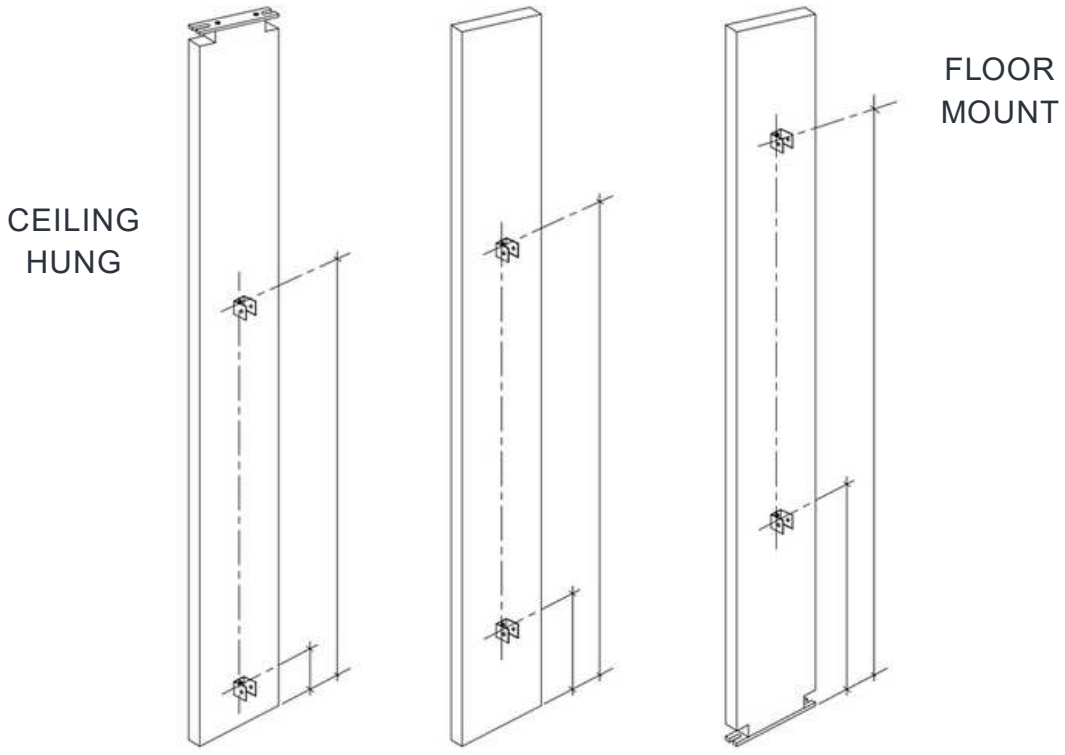
## PANEL TO PILASTER BRACKET PLACEMENT

1. **Mark Centerline**
   - Mark the panel centerline location on the inside face of the pilaster using the shop drawings.
   - The panel centerline is not always at the middle of the pilaster; check the shop drawings for offsets.

2. **Position Bracket**
   - Match U bracket height to the wall bracket elevation shown in the shop drawings.
   - Hold the bracket in place and mark hole locations using it as a template.
   - Maintain consistent placement.

3. **Mark Holes**
   - Confirm bracket location using the U Bracket as a template.
   - Mark all hole locations clearly for drilling.

4. **Drill and Fasten**
   - Drill 3/16" pilot holes before fastening.
   - Fasten with 5/8" #10 stainless steel screws.



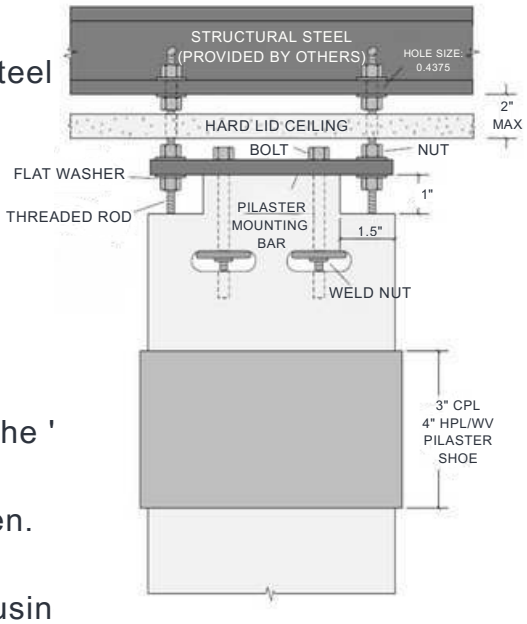
# PILASTER INSTALLATION

## CEILING HUNG

### Fastener Requirements

| Fastener Type | Location / Condition | Spec / Size Details |
|---|---|---|
| Threaded rod with nut/washer | Rod to structural steel | Above and below steel; size per hardware list |
| Nut and washer | Mounting bar to rods | Above and below bar; size per hardware list |
| 5/8" #10 stainless steel screw | Shoe to pilaster | Drill 3/16" pilot hole before fastening |
| 7/16” Pan Head - Blunt | Shoe to pilaster | Plastic Laminate/Wood Veneer |

1. **Prepare Ceiling Structure**
   - Install threaded rods above the ceiling per shop drawings.
   - Verify structural steel is in place.
   - Secure each rod with a nut and washer above and below steel
   - Keep the gap between steel and pilaster minimal to reduce lateral movement.
2. **Set Pilaster**
   - Slide shoe over pilaster top and tape temporarily.
   - Move pilaster into position under ceiling rods.
3. **Mount Pilaster to Ceiling Hardware**
   - Install washer/nut below ceiling line on each rod.
   - Move the pilaster onto the studs and position the panel in the ' brackets installed on the pilaster.
   - Install final washer/nut to hold pilaster loosely do not tighten.
4. **Adjust Position**
   - Set desired panel-to-wall gaps and pilaster-to-panel gaps usin drawings.
   - Make door opening adjustments if needed.
5. **Tighten and Secure**
   - Once alignment and gaps are correct, tighten all nuts to secure the pilaster in place.
6. **Finalize Shoe**
   - Install the shoe insert in shoe slot to test for length, finished end exposed. Remove the plug and cut to length if needed. Apply silicone and place insert into the shoe insert slot.



# PILASTER INSTALLATION

## FLOOR MOUNTED

### Fastener Requirements

| Fastener Type | Location / Condition | Spec / Size Details |
|---|---|---|
| 3/8" diameter wedge anchors | Pilasters ⩾ 6" wide | (2) per pilaster; drill 3" deep; use 3/8" washers & nuts. |
| 3/8" diameter wedge anchor | Pilasters < 6" wide | (1) drill 3" deep; use 3/8" washer & nut. |
| 5/8" #10 stainless steel screw | Shoe to pilaster (inside face) | Drill 3/16" pilot hole before fastening. |
| 7/16” Pan Head - Blunt | Shoe to pilaster | Plastic Laminate/Wood Veneer |

**1. Mark Centerline**
- Mark anchor hole locations 5/8" from the left or right edge of the pilaster along the chalk line.

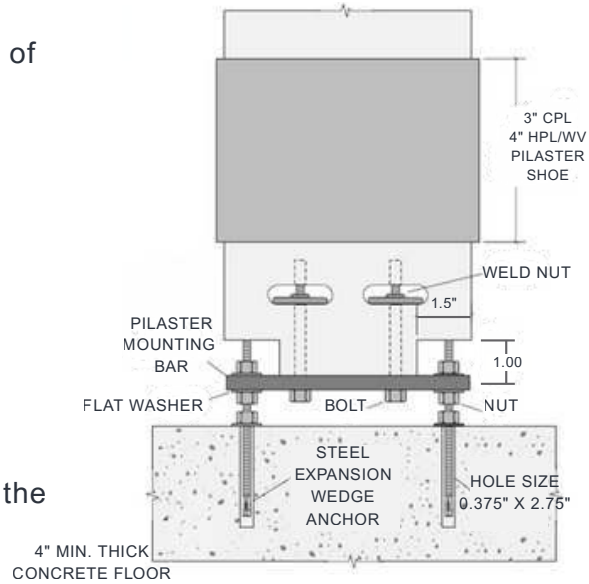
2. **Drill and Fasten**
- Drill 3" deep with a 3/8" bit and remove all loose material/debris from the hole.
- Insert the anchors provided.
- Place a 3/8" washer over each stud and use a 3/8" nut to tighten the anchor in place.
- Add a second washer and nut above for pilaster support.

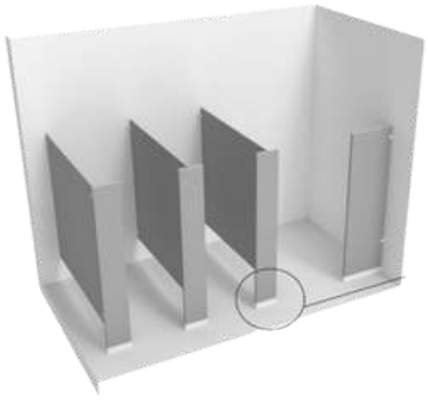
3. **Prepare and Position Pilaster**
- Slide shoe over pilaster and tape in place.
- Move the pilaster onto the studs and position the panel in the "U" brackets installed on the pilaster.

4. **Adjust Position**
- Set desired panel-to-wall gaps and pilaster-to-panel gaps using the shop drawings.
- Make door opening adjustments if needed.

**5. Tighten and Secure**
- Once alignment and gaps are correct, tighten all nuts to secure the pilaster in place.

**6. Finalize Shoe**
- Install the shoe insert in shoe slot to test for length, finished end exposed. Remove the plug and cut to length if needed. Apply silicone and place insert into the shoe insert slot.



**NOTE:** Concrete Substrate - Anchor Depth Requirement: Drill 3" deep for wedge anchor engagement.

# PILASTER INSTALLATION

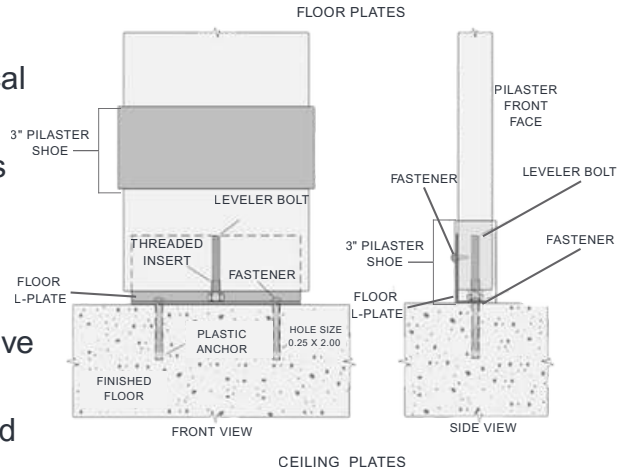
## HEADRAIL AND FLOOR TO CEILING

*with Stainless Steel Shoes and Mounting Plates*

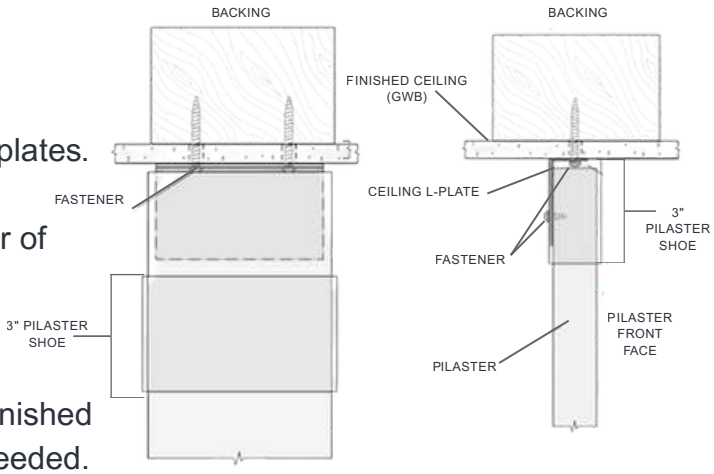
### Fastener Requirements

| Fastener Type | Material | Drill Size |
|---|---|---|
| (2) Plastic or lead anchors with (2) 2" #10 stainless steel screws | Concrete / CMU | 1/4" diameter × 2" deep |
| (2) 3" #10 stainless steel screws | Wood backing/blocking | Pilot hole (1/8"–5/32") |
| (2) 2" #10 stainless steel screws with plastic or lead anchors (through tile and substrate) | Tile over substrate | 1/4" diameter × 2" deep |
| 7/16” Pan Head - Blunt | Plastic Laminate/Wood Veneer | |

1. **Install Floor and Ceiling Plates**
   - Use a floor plate 1" shorter than the shoe. Orient the vertical leg towards the interior of the stall.
   - Align ceiling L-plate above pilaster with vertical leg towards the interior of the stall.
   - Mark holes using plates as templates.
   - Drill 1/4" holes, 2" deep, and insert plastic anchors.
   - Fasten each plate with (2) 2" #10 stainless steel square drive screws.
   - All plates (with the one exception of a 2" plate) are provided with two mounting holes for screws.




2. **Prepare and Position Pilaster**
   - Slide stainless shoes onto top and bottom of pilaster.
   - Temporarily tape shoes in place.
   - Set pilaster so shoes rest above and below installed plates.
3. **Secure Shoes**
   - Drill 3/16" pilot holes into face of each shoe at interior of stall.
   - Fasten with 5/8" #10 stainless steel screws.
4. **Finalize Shoe**
   - Install the shoe insert in shoe slot to test for length, finished end exposed. Remove the plug and cut to length if needed. Apply silicone and place insert into the shoe insert slot.




**NOTE:** Concrete must be at least 4" thick for proper anchor engagement.

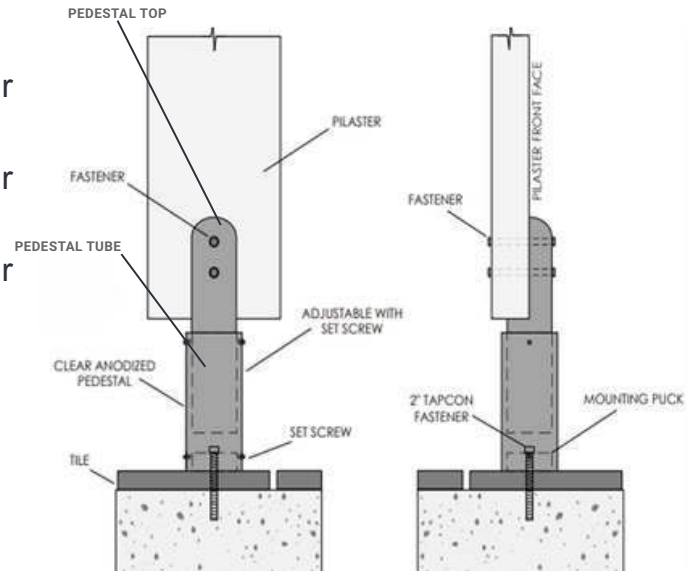
# COMPONENT PLACEMENT

## HEADRAIL & FLOOR TO CEILING INSTALLATION
*with Pedestals*

**Fastener Requirements**

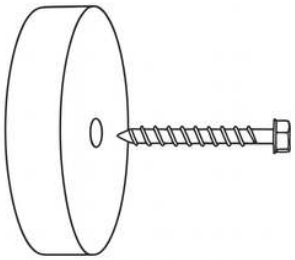
| Fastener Type | Material | Drill Size |
|---|---|---|
| #10 Tapcon screw | Concrete slab | 2 ¾ for 3" & 4" pedestals. Use 4" Tapcon for larger pedestals |
| #10 Tapcon screw | Finished floor over slab (tile, terrazzo, etc.) | |
| 88219 (5/8" Barrel Nut)<br>88269 (1-1/16" Shoulder) | | |

1. **Mark and Drill Anchor Hole**
   - Mark pilaster centerline per shop drawings.
   - Offset anchor location 5/8" toward stall exterior (PLAM/WV)
   - Offset anchor location 3/8" toward stall exterior (3/4" CPL)
   - Offset anchor location 1/2" toward stall exterior (1" CPL)
   - Drill ¼″ diameter hole, 2″ deep, if 2 ¾ tapcon, pilot should be 3" deep.




2. **Install Mounting Puck**
   - Place puck over drilled hole.
   - Fasten with #10 Tapcon screw 2 ¾”  or 4" (see fastener table).

3. **Set Pilaster and Secure**
   - Slide pedestal top into tube (do not tighten yet).
   - Orient pilaster over pedestal and lower into position.
   - Align with layout lines and bracket height.
   - Confirm panel placement in brackets.
   - Start with the tallest pilaster to establish level, accounting for some slope.
   - Adjust as needed to match elevation
   - Drill into pilaster and secure with shoulder screws and barrel nuts.
   - Tighten all set screws



# COMPONENT PLACEMENT

## HEADRAIL & FLOOR TO CEILING INSTALLATION

*with L-Brackets at floor*

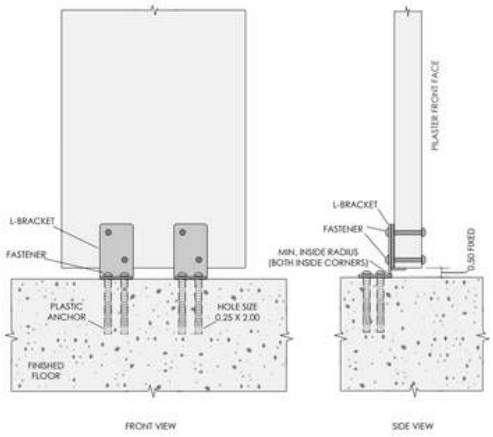
This method applies to installations where pilasters are secured at the floor using L brackets. It supports both headrail braced (HRB) and floor-to-ceiling (FTC) partition styles.

**Fastener Requirements**

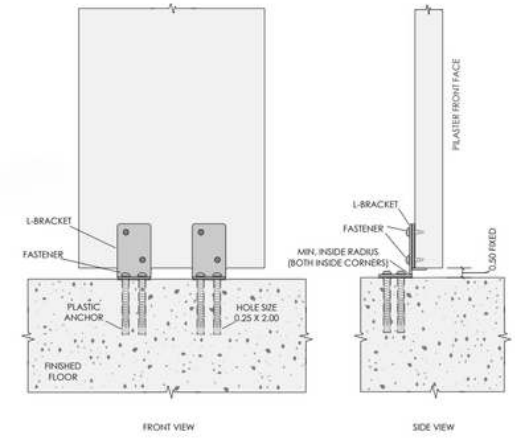
| Fastener Type | Material | Thickness |
|---|---|---|
| 88219 (5/8" Barrel Nut) & 88269 (1-1/16" Shoulder) | Plastic Laminate / Wood Veneer | 1¼" |
| 91429 (7/16” #12 Pan Head, Blunt Tip) | Compact Laminate | ¾" or 1" |
| 2" #10 stainless steel screws | | |

1. **Position Pilaster and Brackets**
   - Place the pilaster in its final location.
   - Align L-brackets at the base, with vertical legs facing the inside of the stall.
2. **Mark and Drill Floor Holes**
   - Use the L-bracket as a template to mark two holes.
   - Drill two ¼″ diameter holes, 2″ deep into the finished floor
   - Insert plastic anchors into both holes.
3. **Attach L-Brackets to Floor**
   - Use 2″ #10 stainless steel screws to secure L-brackets to the floor.
   - Pilaster is trimmed at the top and should be trimmed and re-sealed after necessary length is determined.
4. **Secure Pilaster to Brackets**
   - For PLAM/Wood Veneer pilasters, drill through the pilaster and install using through-bolts.
   - For Compact Laminate, drill a 11/64″ pilot hole and fasten directly with screws.
5. **Verify Alignment and Fit**
   - Ensure a consistent floor gap & confirm pilaster is plumb and aligned.
   - Reseal trimmed tops of PLAM or Veneer partitions with edge banding.

PLAM and Wood Veneer




Compact




**Note:** Pilasters are manufactured 1" taller to accommodate uneven floors.

# COMPONENT PLACEMENT

## FLOOR TO CEILING PILASTER INSTALLATION

*with L-Brackets at floor and ceiling*

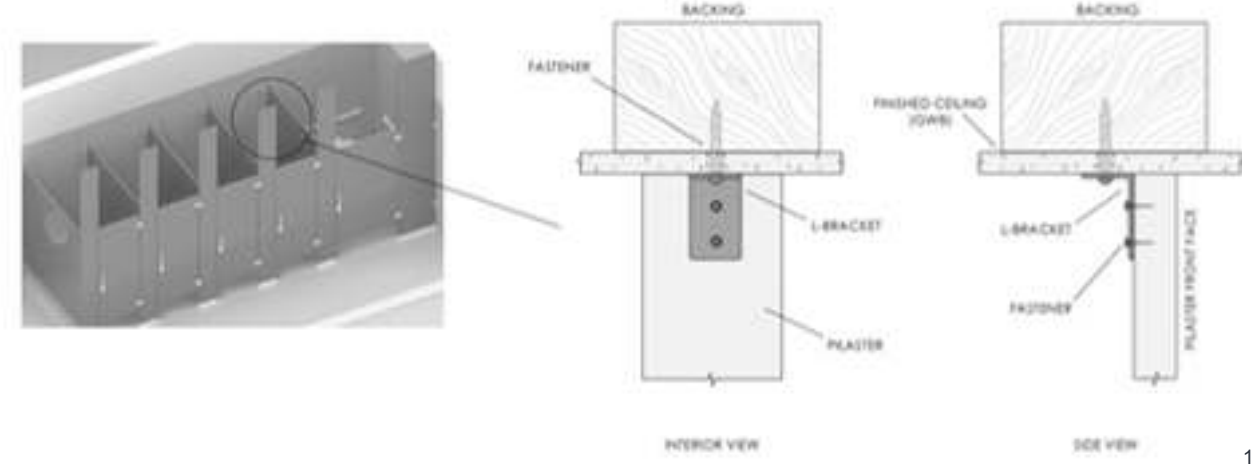
This method applies when floor-to-ceiling (FTC) pilasters are secured at both the floor and the ceiling using L-brackets.

**Fastener Requirements**

| Fastener Type | Material | Thickness |
|---|---|---|
| 88219 (5/8" Barrel Nut) & 88269 (1-1/16" Shoulder) | Plastic Laminate / Wood Veneer | 1¼" |
| 91429 (7/16” #12 Pan Head, Blunt Tip) | Compact Laminate | ¾" or 1" |
| 2" #10 stainless steel screws | | |

1. **Confirm Conditions**
   - Verify pilaster height and ceiling structure before beginning.
   - Follow shop drawings for all panel and wall gaps.
2. **Install Ceiling L-Brackets**
   - Fasten L-brackets into structural backing using 2″ #10 stainless steel screws.
   - Use two brackets for pilasters 8" and wider.
   - Reseal trimmed tops of PLAM or veneer partitions with edge banding.
3. **Attach Brackets to Pilaster**
   - For Compact Laminate, drill a 11/64″ pilot hole and fasten with screws.
   - For PLAM/Wood Veneer, drill through pilaster and attach with through-bolts.
4. **Align and Final Fasten**
   - Confirm pilasters are plumb and aligned before tightening.

**Note:** Ceiling L-brackets do not allow height adjustment. Pilasters are manufactured 1" taller to accommodate uneven floors. If trimmed, reseal top edge with included edgeband and contact adhesive - **Before attaching pilaster to L-Bracket**.

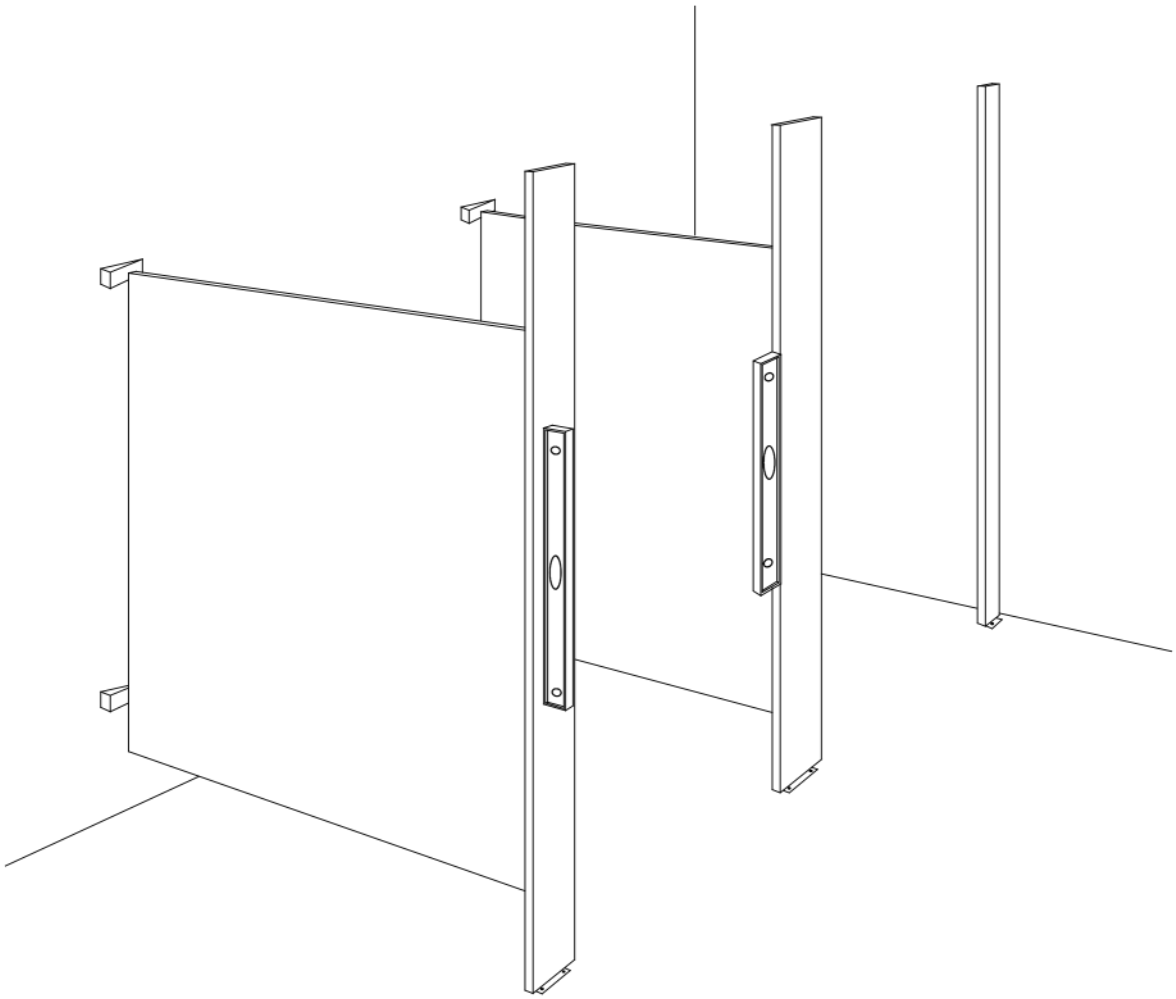


# COMPONENT PLACEMENT

## PILASTER TO PANEL INSTALLATION

This method applies to installations where the panel connects directly to a pilaster using standard brackets.

1. **Confirm Pilaster Plumb**
   - Use a level to verify each pilaster is vertical and square to the opening.
   - Shim between wall and panel as needed to match shop drawings.
2. **Drill for Brackets**
   - Mark panel/pilaster offsets and hole locations using a U-bracket; drill ¼″ holes in panel.
3. **Attach Panel to Pilaster**
   - Align brackets and secure with 5/8" screws for PLAM or Wood Veneer, blunt nose screws for CPL, insert barrel nuts and shoulder screws into panel, and tighten.
4. **Confirm Fit and Finish**
   - Confirm stall is square, gaps are consistent, and all components are plumb and secured.



# COMPONENT PLACEMENT

## ALUMINUM HEADRAIL INSTALLATION

*If applicable*

This method applies to installations where aluminum headrail is used to brace pilasters or partition runs. Headrail may terminate at walls, pilasters, or other headrail sections and must be trimmed in the field to match actual dimensions.

**Fastener Requirements**

| Fastener Type | Material | Application |
|---|---|---|
| 3″ #10 stainless steel screw with plastic plug (if needed) | PLAM or Wood Veneer | Bracket to Wall |
| 5/8″ #10 stainless steel screw | | Bracket to Pilaster<br>Bracket to Headrail<br>Return Bracket Connections |
| 7/16" #12 pan head blunt | CPL | Bracket to Pilaster<br>Bracket to Headrail<br>Return Bracket Connections |

1. **Confirm Lengths and Dry Fit**
   - Using shop drawings, measure and cut headrail to required length.
   - Most headrail ships about 2" longer to allow for wall variances.
   - Place headrail over pilasters to check fit.
2. **Mark and Install Wall Brackets**
   - Using the headrail brackets as a template, mark mounting hole locations on both the wall and the headrail. Drill ¼″ pilot holes in the wall.
   - Install brackets with 3″ #10 stainless steel screws (use plastic wall plugs if mounting to masonry or tile; if not, screws alone are sufficient with proper backing). Confirm level.
3. **Fasten Headrail to Wall Brackets**
   - Position headrail and secure - see Fastener Requirements above.
   - Confirm tight, gap-free wall connection.
4. **Anchor Headrail to Pilasters**
   - Drill a 3/16" pilot hole in the headrail and a 1/8" pilot hole in the pilaster material.
   - Fasten, ensuring pilasters are plumb and headrail is level.
5. **Install Return Brackets (if required)**
   - Where headrails intersect, install return brackets.
   - Install end caps at all exposed headrail ends.

# COMPONENT PLACEMENT

## CUSTOM HEADRAIL INSTALLATION

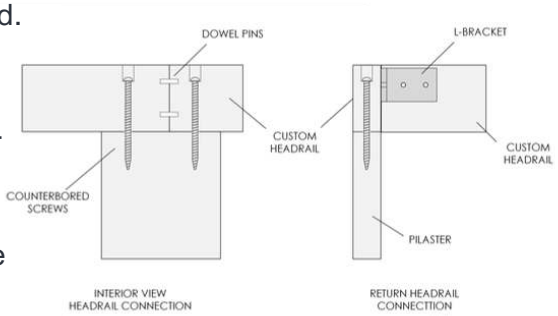
*If applicable*

Use this method when headrail sections require in-line (splice) or return connections. Headrail is field-trimmed and secured using dowel pins and brackets as required.

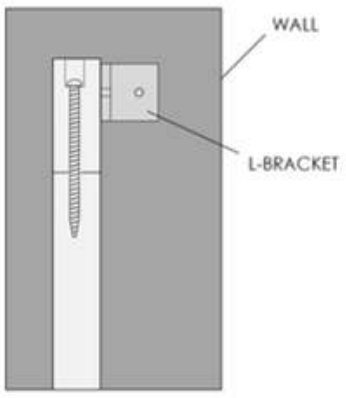
**Fastener Requirements**

| Fastener Type | Application |
|---|---|
| 3″ #10 stainless steel screw with plastic plug (if needed) | Wall to Bracket |
| 5/8" #10 stainless steel screw | Bracket to Pilaster |
| (2) Wood dowel pins – ⅜" dia. × 1" long | Headrail to Headrail (Splice) |
| 5/8" #10 stainless steel screw | Headrail to Pilaster |

1. **Confirm Lengths and Dry Fit**
   - Using Shop drawings, determine lengths required to cut and install headrail where indicated. Most headrail will come from the factory approximately 2" longer than needed to allow for wall variances. Please cut and seal the headrail ends if needed.
   - Dry fit over pilasters and check bracket alignment.
2. **Splice Headrail Sections (if applicable)**
   - Custom headrail, which butts parallel into other headrails ("in-line" or "splice"), uses two dowel pins to secure the two headrails together.
   - For in-corners or alcove layouts measure from the inside edge of the front headrail to the back wall. Cut headrail to fit.




4. **Fasten Headrail and Anchor to Pilasters**
   - Using the L brackets as a template, mark the location for mounting holes in walls and headrail.
   - Ironwood does not provide fasteners to connect custom headrails to pilasters, and pilasters are not factory prepped for fasteners . In some applications it is necessary to use flat alcove clips with 5/8” #10 screws for this connection.
5. **Install Return Brackets (if required)**
   - Secure headrail to walls where required with L brackets. Use 3" #10 stainless steel screw with wall plugs if masonry or tile is present; if not, the screw alone will be sufficient with proper backing. Secure the bracket to the headrail using 5/8” #10 stainless steel screws.
   - Use the L bracket to connect the return headrail to another headrail segment.




HEADRAIL TO WALL CONNECTION

# DOOR AND HARDWARE INSTALLATION

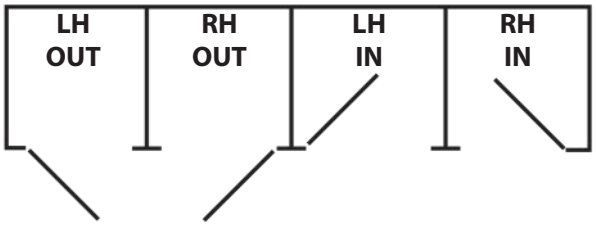
## SURFACE MOUNTED HINGES – 2 HINGES

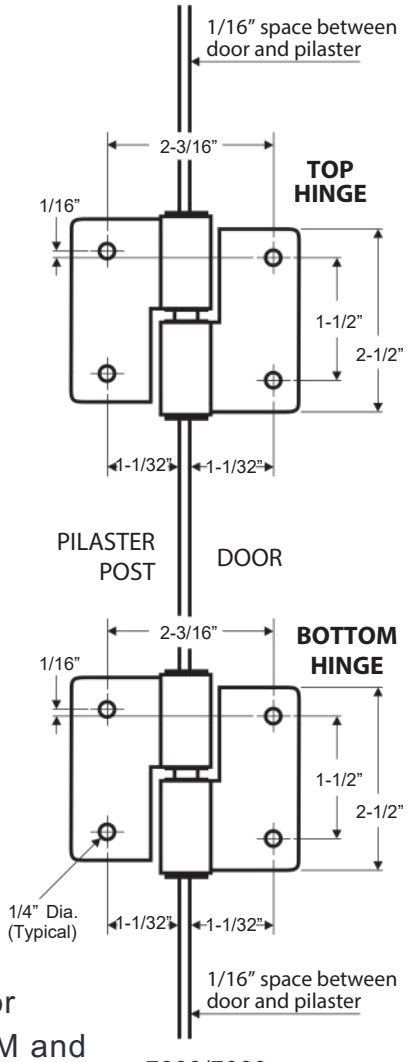
### Fastener Requirements

| Fastener Type | Material | Thickness |
|---|---|---|
| 88219 (5/8" Barrel Nut) & 88269 (1-1/16" Shoulder) | Plastic Laminate / Wood Veneer | 1¼" |
| 91429 (#12 × 7/16” Pan Head, Blunt Tip) | Compact Laminate (Phenolic) | ¾" or 1" |

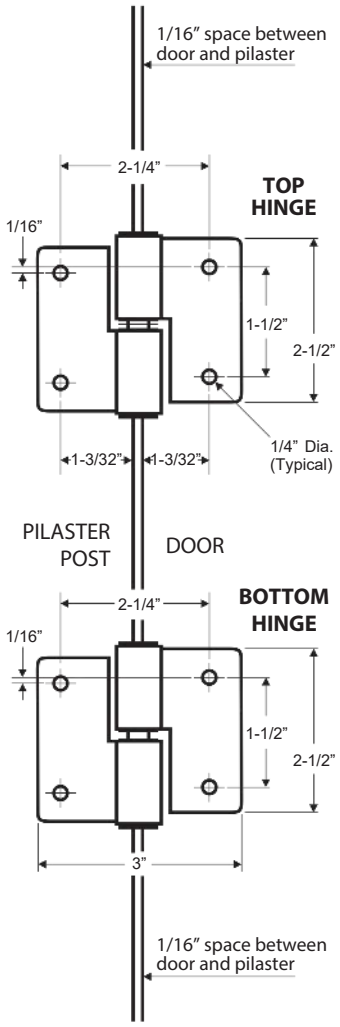
1. **Mark and Transfer Hinge Locations**
   - Find and set hinges to pilaster as per shop drawings.
   - Locate and set upper and lower hinges on the door, with the door in the “at rest” position per drawing. This is to allow for the rise of the door when opening.
2. **Select Hinges and Install**
   - 7083 and 7089 hinges are handed to left hand in (LHI) or right hand out (RHO), and 7073 and 7079 hinges would be used for left hand out (LHO) or right hand in (RHI).
   - With the door in a closed position, allow ½” minimum space above the door for hinge lift.
3. **Adjust and Test Operation**
   - Check for smooth motion, alignment, and consistent gaps.

**Note:** Use provided through-bolt fasteners for hinges. Not doing so will void warranty (PLAM and Wood Veneer only)




7083/7089
LEFT HAND IN
RIGHT HAND OUT




7073/7079
LEFT HAND OUT
RIGHT HAND IN

# DOOR AND HARDWARE INSTALLATION

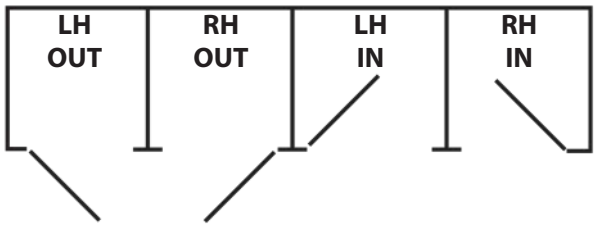
## SURFACE MOUNTED HINGES – 3 HINGES

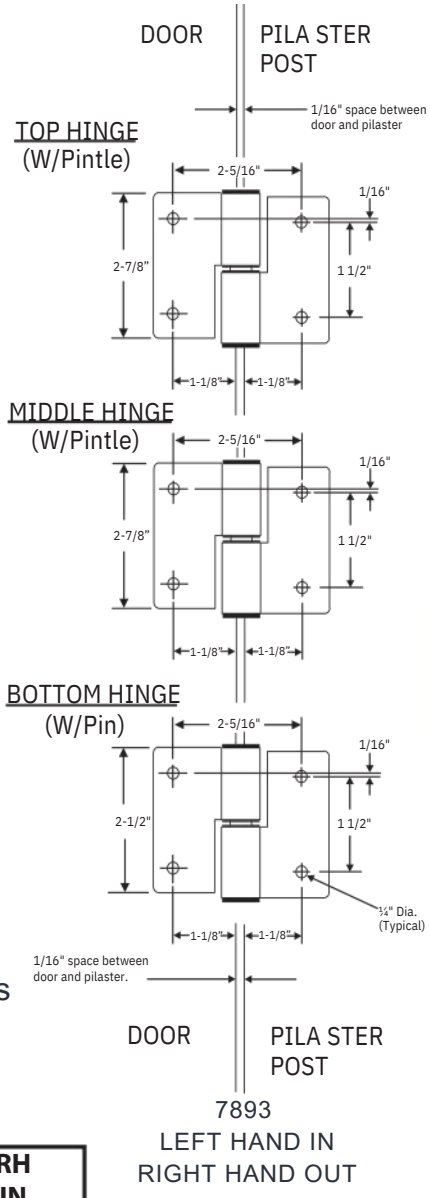
### Fastener Requirements

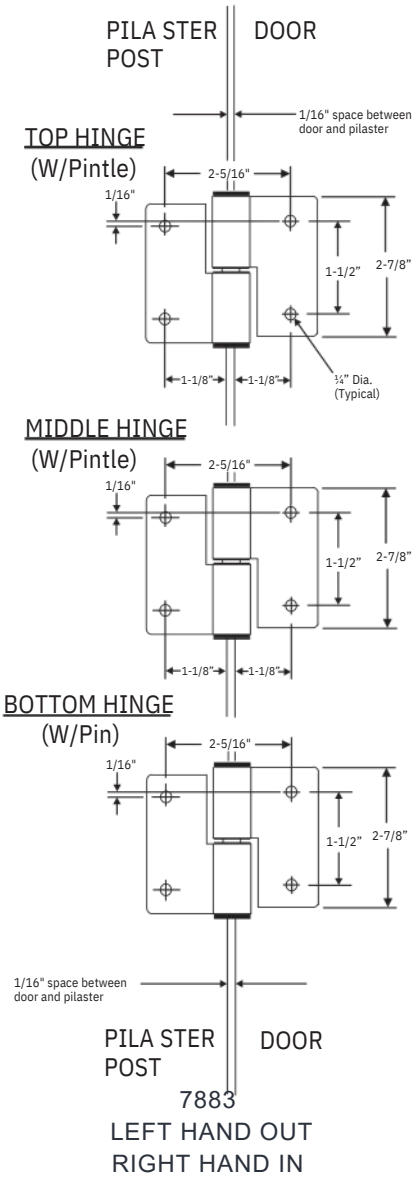
| Material | Thickness | Fastener Type |
|---|---|---|
| Plastic Laminate / Wood Veneer | 1¼" | 88219 (5/8" Barrel Nut) & 88269 (1-1/16" Shoulder) |
| Compact Laminate (Phenolic) | ¾" or 1" | 91429 (#12 × 7/16” Pan Head, Blunt Tip) |

1. **Mark Hinge Locations**
   - Locate and set hinges to pilaster per shop drawings.
   - With the door in resting position, locate and set upper and lower hinges on the door per drawing. This is to allow for the rise of the door when opening.
2. **Select Hinges and Install**
   - 7893 hinges are handed to left hand in (LHI) or right hand out (RHO), and 7883 hinges would be used for left hand out (LHO) or right hand in (RHI).
   - With the door in a closed position, ensure ½” (minimum) space above the door for hinge lift.
3. **Adjust and Test Operation**
   - Check for smooth motion, alignment, and consistent gaps

**Note:** Use provided through-bolt fasteners for hinges. Not doing so will void the warranty (PLAM and Wood Veneer only)



# FINAL HARDWARE INSTALLATION

## SURFACE MOUNT INDICATOR SLIDE LATCH

*Assembly Instructions 6069*

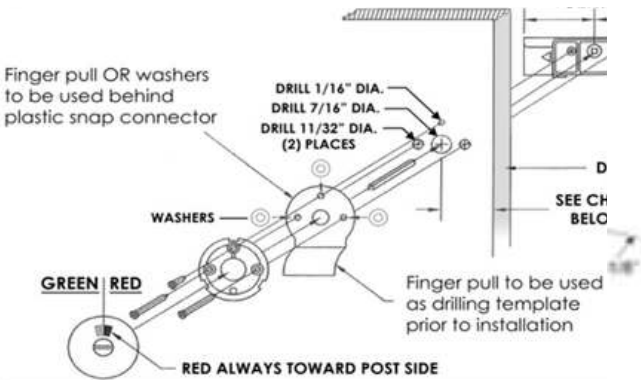
The indicator slide latch kit includes two pins designed to be used with 1" and 1¼" door thicknesses. If the door is ¾" thick, use the alternate pin (provided separately).

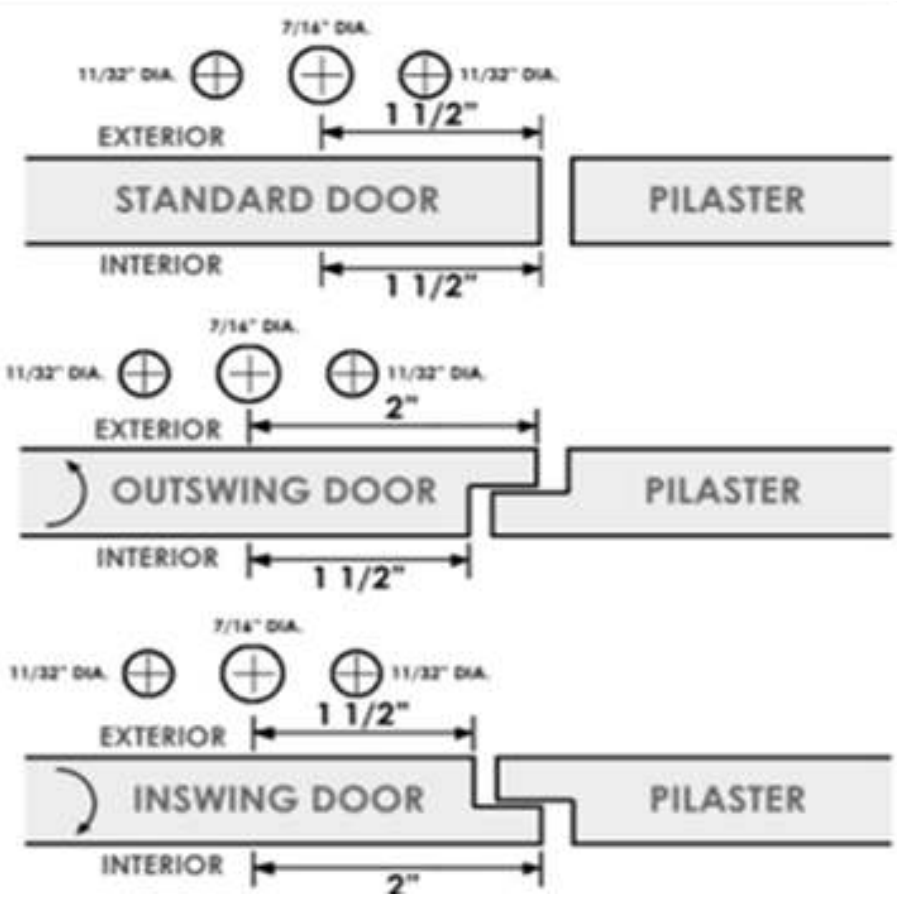
1. **Align Template**
   - Use the template that is located in each latch box.

2. **Drill Mounting Holes**
   - ·Drill the center hole using a 7/16” drill bit.
   - ·Drill the two outer holes using an 11/32” drill bit.

3. **Install the Latch**
   - Attach the latch using the screws provided in the kit.

4. **Attach Latch to Door**
   - Confirm that the red indicator is fully visible in the window when the latch is engaged.



# FINAL HARDWARE INSTALLATION

## SURFACE MOUNT INDICATOR LATCH W/KEEPER

*Assembly Instructions 134499 and 134493*

The surface mounted indicator latch is provided with a separate hardware kit, per door thickness.  Latch installs on the door and engages with a keeper on the pilaster.

**1. Align Template**

- Use the paper template included in the kit to mark drilling locations on the door

**2. Drill Mounting Holes**

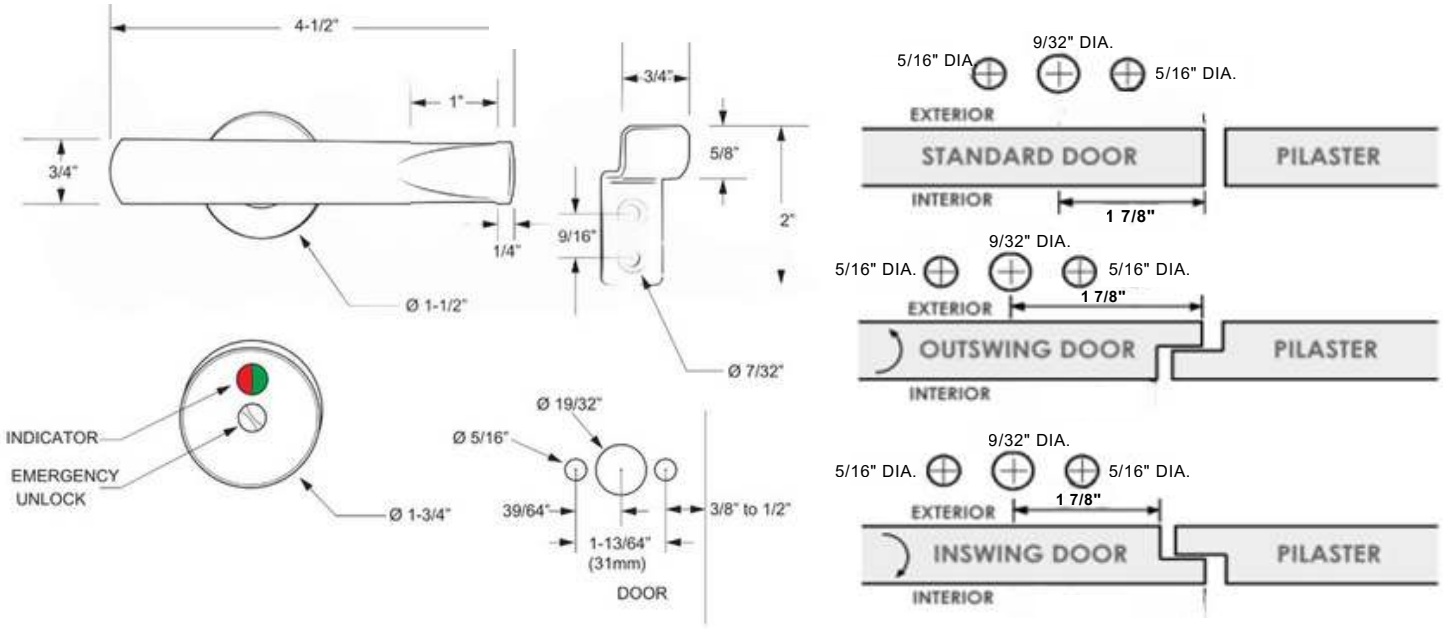
- Drill the center hole using a 19/32” drill bit.
- Drill the two outer holes using an 5/16” drill bit.

**3. Install the Latch**

- Attach the latch using the screws provided in the kit.

**4. Verify Latch Alignment**

- Confirm that the red indicator is fully visible in the window when the latch is engaged.



# FINAL HARDWARE INSTALLATION

## DOOR PULLS AND HOOK/BUMPER

### Fastener Requirements

| Fastener Type | Application | Thickness | Notes |
|---|---|---|---|
| 88369 – 1⅝″ with 96623 finish washer | 8″ Bar Pull (Single) | 1¼" | |
| 88359 – 1⅜″ with 96623 finish washer | | ¾" | |
| 88369 – 1⅝″ with 96623 finish washer | D-Style Pull | 1″ or 1¼″ | Aligns with surface-mounted latch |
| 88359 – 1⅜″ with 96623 finish washer | | ¾″ | |
| 72650 – 8-32 × 2½″ | Back-to-Back Pull | 1″ or 1¼″ | Includes set collars and wrench |
| 88359 – 1⅜″ | | ¾″ | |
| 0171848 – ¾″ #8 screw | Hook/Bumper | PLAM or Veneer | Drill ⅛″ holes |
| 0171848 – ¾″ #8 screw | | Compact | Drill 11/64″ holes |

**1. Bar Pull**

- Drill two 3/16″ holes, 3-15/16″ (100 mm) on center.
- 1¼”, 1” Doors - use 88369 1-5/8” fastener with 96623 Finish Washer
- ¾” Doors – use 88359 1-3/8” fasteners with 96623 Finish Washer
- Confirm ADA height.

**2. Back to Back Door Pull**

- Place the collar on the screw and attach the pull without set screws onto the outside face of the door.
- Insert set screws into pull with holes.
- Slide pull with set screws over collars and push tight against the inside face of the door.
- Tighten set screws with Allen wrench.
- Confirm ADA height.

**3. D Pull**

- Drill two 3/16″ holes, 2¾″ on center.
- ¼” and 1” Doors - Use 88369 1 5/8” fastener with 96623 Finish washer.
- 3/4” Doors - Use 88359 1 3/8” fastener with 96623 Finish washer.
- Confirm ADA height.

**4. Hook and Bumper**

- For PLAM or Veneer drill 1/8” holes.
- For Compact drill 11/64” holes.
- Install using fastener O171848 - 3/4” #8 O171848.
- Confirm ADA height.

# FINAL INSTALLATION CHECKLIST

The following checklist should be reviewed at the end of installation. Confirm each item is complete and meets Ironwood Manufacturing's installation standards and the job-specific shop drawings.

☑ **Panels and Pilasters**
All panels and pilasters are level, plumb, and aligned per the layout. Gaps between components match the shop drawings.

☑ **Doors**
Doors swing freely with correct clearances. Hinge lift operates as intended. No binding or uneven spacing is present.

☑ **Hardware**
All hardware is securely fastened. No missing or loose components. Latches, pulls, and bumpers are installed and functional.

☑ **Finishing Details**
Shoe inserts, end caps, and cover plates are properly installed. Exposed edges are sealed where required.

☑ **Site Cleanup**
Installation area is clean. All packaging and debris have been removed from the site.

☑ **Final Verification**
Installer has verified door handing, ADA compliance, and that the layout matches the approved shop drawings. Any discrepancies or damage have been reported before sign-off. All component labels removed.

# THANK YOU & NEXT STEPS

Thank you for installing Ironwood toilet partitions.

We appreciate the opportunity to be part of your project. If you have any questions during or after installation, our team is here to help.

For additional support, warranty information, or replacement parts, contact:

**Ironwood Manufacturing**

6405A 172nd St NE
Arlington, WA 98223
360-568-1823

support@ironwood-mfg.com
www.ironwood-mfg.com

Scan for installation guides, hardware cut sheets, and more.
https://ironwood-mfg.com/data-sheets/