For Video instructions

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General Notes

The following installation instructions are based on headrail braced compartments in the most common unit arrangement. Other arrangements will be encountered, i.e. units contained between two walls or between two free-standing panels. For details on ceiling hung and floor to ceiling connections, refer to the appendix. Always adhere to applicable building codes.

Ceiling hung and floor to ceiling toilet partitions require an overhead structural member (normally a channel). This member is supplied, installed and drilled by others. Stud assemblies are available from Hadrian, but Hadrian does not install them. Stud assemblies should be in place prior to application of finished ceiling.

FINAL LAYOUT DRAWINGS. For dimensional information, refer to your plan layout and dimensional details. Note in particular the relationship of the panels to the pilasters (panels do not necessarily fall on the center line of the pilaster).

Recommended Safety Equipment

- Safety Glasses
- Safety Gloves
- Safety Shoes
- Hard Hat

Tools Required

- 4 ft. level
- Chalk line
- Tape Measure
- Hammer
- Hammer drill
- 5/16” (8mm) masonry bit
- Miscellaneous drill bits, including 4mm (5/32”) & 8mm (5/16”)
- 6mm (1/4”) masonry bit
- 11mm (7/16”) & 13mm (1/2”) wrench
- Miscellaneous screw driver bits
- Adjustable wrench
- Hacksaw
- 318mm (12”) shim block to rest panels on for easier installation
- 6-lobe security driver bits
- “C” Clamp
**Installation Manual for Metal Toilet Partitions – Standard Series**

**STEP 1: Establish Floor Bracket Locations**

Establish the front centerline by taking the overall compartment dimension and deducting 16mm (5/8”).

Use final layout drawings to determine locations.

See page 16 for Alcove Partitions instructions.

**STEP 2: Fasten Floor Brackets**

Drill holes for the floor brackets 22mm (7/8”) in from edge of pilaster locations as indicated on the layout drawing.

See page 23 for ceiling hung mounted partition instructions.
See page 24 for floor mounted partition instructions.
See page 25 for floor to ceiling mounted partition instructions.

---

<table>
<thead>
<tr>
<th>Description</th>
<th>Part# Stainless Steel</th>
<th>Part#</th>
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<td>610072</td>
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<tr>
<td>Plastic Anchor #14-16</td>
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</tr>
<tr>
<td>H.R.Brcd Flr Floor Btl.</td>
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<td>604210</td>
</tr>
<tr>
<td>1/4 Bs Spd Whz-Zinc</td>
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<td>604260</td>
</tr>
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Drill a 6mm (1/4”) hole

Gap (+) pilaster size (-) 22mm (7/8”)
**STEP 2.1: Fasten Floor Brackets**

Follow the layout drawings for pilaster locations.

**STEP 2.2: Fasten Floor Brackets**

Fasten floor brackets to the floor.

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<th>Description</th>
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<tbody>
<tr>
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<td>#12 x 1-3/4&quot; screw 6-kwh 18-8</td>
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<tr>
<td>61053</td>
<td>Plastic Anchor #14-16</td>
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<tr>
<td>604210</td>
<td>H.R. Bolt, Fl. Floor Bkt.</td>
</tr>
<tr>
<td>604300</td>
<td>1/8&quot; Bs See Valve-Zinc</td>
</tr>
</tbody>
</table>

**STEP 2.3: Fasten Floor Brackets**

Follow the layout drawings for pilaster locations.

**STEP 2.4: Fasten Floor Brackets**

Fasten floor brackets to the floor. Repeat steps 2.3 & 2.4 if needed.

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>610332</td>
<td>#12 x 1-3/4&quot; screw 6-kwh 18-8</td>
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<tr>
<td>61053</td>
<td>Plastic Anchor #14-16</td>
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<td>604210</td>
<td>H.R. Bolt, Fl. Floor Bkt.</td>
</tr>
<tr>
<td>604300</td>
<td>1/8&quot; Bs See Valve-Zinc</td>
</tr>
</tbody>
</table>

**STEP 3: Erect Panel**

Using your centerline locations, fasten two 2-ear panel brackets to wall, per panel. Bracket centers should be approximately 457mm (18") and 1626mm (64") from floor*.

Note: Corner units will be provided with single ear brackets.

*Adjust based on masonry lines as necessary

See page 17 & 18 for continuous channel mounting instructions.

**STEP 3.1: Erect Panel**

Rest panel on 305mm (12") block and position in brackets. Drill one hole through top bracket and fasten. Keep panel on stabilizer block until pilaster has been installed.
**STEP 4: Erect Wall Pilaster**

Fasten two single ear pilaster "F" brackets to the wall. Bracket centers should be approximately 457mm (18") and 1626mm (64") from floor*.

*Adjust based on masonry lines as necessary

See page 17 & 18 for continuous channel mounting instructions.

---

**STEP 4.1: Erect Wall Pilaster**

Slide shoe onto the pilaster. Position the pilaster in wall brackets and over floor brackets. Install levelling device.

**Note:** For a better pilaster shoe fit, ensure that the front and back edges of the shoe are parallel to each other. If they are not, then apply hand pressure to the back seam of the shoe until the front and back edges are parallel.
**STEP 4.2: Erect Wall Pilaster**
Install the floor bracket hardware and tighten.

**STEP 4.3: Erect Wall Pilaster**
Plumb pilaster and fasten to the pilaster brackets

**STEP 5: Prepare Pilaster For Door**
Fasten lower hinge to the wall pilaster.

*Note:* When assembling the hinge hardware, set the wing nut to the bottom of the screw. Position the hinge assembly on a 45deg angle into the pre-drilled hinge hole.

See page 19 for Continuous Stop & Hinge Filler instructions.
See page 21 for Continuous Hinge instructions.
See page 22 for Wrap Hinge instructions.
STEP 5.1: Prepare Pilaster For Door

Install and fasten the male cam to lower hinge.

STEP 5.2: Prepare Pilaster For Door

Fasten the upper hinge to pilaster.

STEP 6: Fasten “U” Brackets To Pilaster

Place next pilaster on floor brackets and mark centerline of panel on the back. Mark bracket centers at 457mm (18”) and 1626mm (64”) from floor. Using the brackets as templates, mark and drill holes.

Remove pilaster from floor brackets and fasten “U” brackets.
**STEP 7: Erect Pilaster**

Slide shoe onto the pilaster. Position pilaster over the floor brackets. Adjust pilaster location so the alcove channel grasps panel. Install floor bracket hardware, levelling device and tighten.

**Note:** For a better pilaster shoe fit, ensure that the front and back edges of the shoe are parallel to each other. If they are not, then apply hand pressure to the back seam of the shoe until the front and back edges are parallel.

---

**STEP 7.1: Erect Pilaster**

Plumb panel and pilaster. Secure panel to the pilaster "U" brackets.

---

**Table: Part Numbers and Descriptions**

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<td>N/A</td>
<td>1/4 Med. Lockwasher Zinc</td>
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<td></td>
<td>604270</td>
<td>N/A</td>
<td>1/4-20 Hex Nut FInish</td>
</tr>
<tr>
<td></td>
<td>604220</td>
<td>N/A</td>
<td>H.R.Brd. Levelling Chnl</td>
</tr>
<tr>
<td></td>
<td>604230</td>
<td>N/A</td>
<td>5/16X3.5 Levelling Bh Cle</td>
</tr>
</tbody>
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---

**Diagram:**

- Drill 4mm (5/32") hole
- #12 x 5/8" screw 8-lobe TR-27
**STEP 8: Prepare Door For Hanging**

Insert female cam into the bottom-door hinge casting.

**STEP 8.1: Prepare Door For Hanging**

Install inner and outer knobs on the door.

See page 20 for Surface Latch instructions

See page 21 for Indicator Latch instructions

**STEP 8.2: Prepare Door For Hanging**

Insert female cam into the bottom-door hinge casting.

**STEP 8.3: Prepare Door For Hanging**

Fasten coat hook and bumper to door.

Mount door pulls 178mm (7") from the edge of door.

Refer to local codes for mounting height.

Barrier Free Coat Hook (Canada Only)

For doors that require barrier free hooks, recommended door hook height is between 457mm (18") and 1219mm (48") above finished floor.

*Always follow local codes*
STEP 9: Hang Door

Lower door onto the male cam of the lower hinge. Install threaded upper hinge pin. To set door at required angle, loosen the nut of the male cam assembly, set door at required angle and tighten nut.

---

STEP 9.1: Hang Door

Fasten Stop & Keeper on the pilaster, ensuring it lines up with the door latch. Reverse Stop & Keeper for inswing doors.

See page 19 for Continuous Stop & Hinge Filler instructions.
See page 20 for Surface Latch instructions.
See page 21 for Indicator Latch instructions.

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<table>
<thead>
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<td>601620</td>
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<td>5/16” Ext. tooth Lockwasher</td>
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<tr>
<td></td>
<td>601611</td>
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<td>Male Cam Insert</td>
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<tr>
<td></td>
<td>601400</td>
<td>N/A</td>
<td>Upper Hinge Pin</td>
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Mark centerline of door latch and install the Stop and Keeper.
STEP 10: Erect Remaining Compartments

Ensure all pilasters are fastened to floor brackets, add all remaining fasteners and repeat steps 3-10 (as necessary) for all remaining compartments.

Note: Hadrian recommends installing one compartment (including door) at a time.

STEP 11: Secure Headrail Brackets

Fasten Headrail brackets to the wall approximately 2070mm (81-1/2") above floor (some adjustments may be necessary due to varying floor conditions).
**STEP 12: Place Headrail**

Place Headrail into tops of pilasters and slide into Headrail brackets. Due to the width of some configurations, two or more pieces of Headrail may be required. Splice sections of Headrail on top of pilaster.

---

**STEP 12.1: Place Headrail**

Fasten Headrail to the Headrail wall brackets. Install Headrail end cap if required.

Adjust levelling devices to level all compartment components and tighten.

---

**Table: Headrail Components**

<table>
<thead>
<tr>
<th>Part#</th>
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<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>610071</td>
<td>610021</td>
<td>A12 x 5/8&quot; screw &amp; lobe TR-57</td>
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<tr>
<td>697220</td>
<td>N/A</td>
<td>Headrail End Cap</td>
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</table>
**Installation Manual** for Metal Toilet Partitions – Standard Series

**STEP 12.2: Place Headrail**

Fasten Headrail to pilasters. Use one screw for pilasters under 8” wide and two screws for pilasters over 8” wide. Fasten screws on interior of partitions only.

**STEP 12.3: Place Headrail**

Drill all remaining panel and pilaster holes and fasten to brackets.

---

This page contains diagrams and illustrations related to the installation of metal toilet partitions.
Appendix A-1 - Alcove Unit
Rest panel on 305mm (12") block and position in brackets. Drill one hole through top bracket and fasten. Keep the panel on stabilizer block until middle pilaster has been installed.

Appendix A-2 - Alcove Unit
Position alcove channel 311mm (12 1/4") from bottom of the pilaster. Concave side of alcove channel mounts to pilaster. Secure with a minimum of three screws. *Follow Step 7 for pilaster mounting instructions.*

Appendix A-3 - Alcove Unit
Plumb panel and pilaster. Secure panel to the alcove channel with a minimum of three screws on the inside of the unit.

Appendix A-4 - Alcove Unit
Fasten Headrail to the Headrail wall brackets. Adjust levelling devices to level all compartment components and tighten. *Follow Steps 4, 5, 8 and 9 for pilaster and door mounting instructions.*
Appendix B-1 - Continuous Channel Option

Using your centerline locations, measure, pre-drill and install plastic anchors.

*Adjust based on masonry lines as necessary

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Appendix B-2 - Continuous Channel Option

Fasten wall channels to wall. The bottom of the channel should be 314mm (12-3/8") from the floor.

**Note:** Stainless Steel channels are pre-drilled.
Appendix B-3 - Continuous Channel Option

Fasten wall channels to wall pilaster and panel.

Appendix B-4 - Continuous Channel Option

Place pilaster on floor brackets and mark centerline of panel on the back. Mark channel centers starting at 314mm (12-3/8") from finished floor. Using the channel as a template, mark and drill holes.
Appendix C-1 - Doors With Hinge Side Filler

Fasten upper and lower hinges to pilaster. (As shown in Step 5).
Place hinge side filler between hinges, pre-drill pilaster with 4mm (5/32") pilot holes and install fasteners.

Appendix C-2 - Doors With Continuous Stop

Place continuous stop on pilaster, ensuring the top lines up with the locking bar (trim) seam on the top of the door.
Pre-drill pilaster with 4mm (5/32") pilot holes and install fasteners.

Note: The arrow on the Stop Keeper must point upwards for the latch to line up with the keeper.
Appendix D-1 - Surface Mounted Latches (Out-swing)

Install surface mounted latch 13mm (1/2") from the door edge and install the Stop & Latch Keeper so it catches a maximum of 10mm (3/8"). The catch position is important to allow the door to lift for emergency access.

**Note:** Fasten the surface mounted latch with Barrel Screw & Barrel Nut. Part #'s 620123 & 620124.

<table>
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<th>Part#</th>
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<th>Description</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>601809</td>
<td>601800-760</td>
<td>Door Stop &amp; Latch Keeper</td>
</tr>
<tr>
<td></td>
<td>610071</td>
<td>610021</td>
<td>Screw #12 X 5/8&quot; 6-Lobe</td>
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<tr>
<td></td>
<td>610121</td>
<td>620121-900</td>
<td>Surface Slide Latch</td>
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</table>

Appendix D-2 - Surface Mounted Latches (In-swing)

Install surface mounted latch 13mm (3/8") from the door edge and install the Stop & Latch Keeper so it catches the top of Keeper. The catch position is important to allow the door to lift for emergency access.

<table>
<thead>
<tr>
<th>Preview</th>
<th>Part#</th>
<th>Stainless Steel</th>
<th>Description</th>
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<td>610021</td>
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<td></td>
<td>610121</td>
<td>620121-900</td>
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<tr>
<td></td>
<td>610131</td>
<td>610139-900</td>
<td>Surface Latch Keeper (In swing)</td>
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</tbody>
</table>
Appendix E-1 – Indicator Latch

Install indicator latch keeper as shown.

Appendix E-2 – Indicator Latch (Out-swing)

Out-swing doors will use the continuous stop as the keeper. Out-swing spacer to be installed to allow the latch to clear the continuous stop.

Appendix E-3 – Indicator Latch (In-swing)

Line up the in-swing keeper with the latch.

Before fastening the keeper to the pilaster, ensure the door does not hit the keeper when opening. The door should clear the keeper by 1/32".
Appendix F-1 - Continuous Hinge

Mount hinge 311mm to pilaster (12 ¼”) above the finished floor. Align the hinge notch with the seam edge of pilaster. Plumb the hinge and fasten.

Note:
Fasten the screws starting at the top of the hinge and finish at the bottom. The hinge must be installed plumb to work correctly.

Appendix F-2 - Continuous Hinge

Use a 305mm (12”) block to position the door. Align the top of the hinge 6mm (1/4”) from the top of the door edge and 3mm (1/8”) from the pilaster edge. Plumb door and fasten the door to the hinge.

Note:
The hinge must be installed plumb to work correctly.
Appendix G-1 - Wrap Hinge

Install lower hinge by lining up the guide pins with the pre-drilled hinge hole on the pilaster and fasten.

**Note:**
Stainless Steel pilaster will have two small guide holes vs powder coated, which has a 7/8" hole.

Appendix G-2 - Wrap Hinge

Install upper hinge by lining up the guide pins with the pre-drilled hinge hole on the pilaster and fasten.
Establish front centerline by taking the overall compartment dimension and deducting 16mm (5/8”). Use final layout drawings to determine locations.

Drill holes for ceiling studs 25mm (1”) in from edge of pilaster locations as indicated on layout drawings.

Install ceiling stud hardware.

Position pilaster on ceiling studs, plumb and tighten. Hadrian recommends the supporting channel should be 25mm (1”) above the finished ceiling.
Appendix I-1 - Floor Mounted Pilasters
Establish Floor Stud Locations

Establish front centerline by taking the overall compartment dimension and deducting 16mm (5/8"). Use final layout drawings to determine locations.

Appendix I-2 - Floor Mounted Pilasters
Establish Floor Stud Locations

Drill 57mm (2 ¼”) deep holes for floor studs and position 25mm (1”) in from edge of pilaster locations as indicated on layout drawings.

Appendix I-3 - Floor Mount Pilasters – Erect Pilaster

Install floor stud hardware.

Appendix I-4 - Floor Mount Pilasters – Erect Pilaster

Position pilaster on floor studs 25mm (1”) above finished floor, plumb and tighten.
Appendix J-1 - Floor to Ceiling Pilaster
Ceiling Connection

Follow Appendix G-1 to G-4 for ceiling connection instructions.

Supporting Channel
"C" Channel is recommended

Finished Ceiling

Appendix J-2 - Floor to Ceiling Pilaster
Floor Connection

Follow Steps 1, 2 and 7 for floor connection instructions

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<tr>
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<td>1/4 Med. Lockwasher - Zinc</td>
</tr>
<tr>
<td>604270</td>
<td>N/A</td>
<td>1/4-20 Hex Nut Steel</td>
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<tr>
<td>604220</td>
<td>N/A</td>
<td>H.R. Bed. Levelling Chel.</td>
</tr>
<tr>
<td>604230</td>
<td>N/A</td>
<td>5/16x3.5 Levelling 8th Car</td>
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</tbody>
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