

BioPrism® Solid Surface

Installation Instructions Toilet Partitions

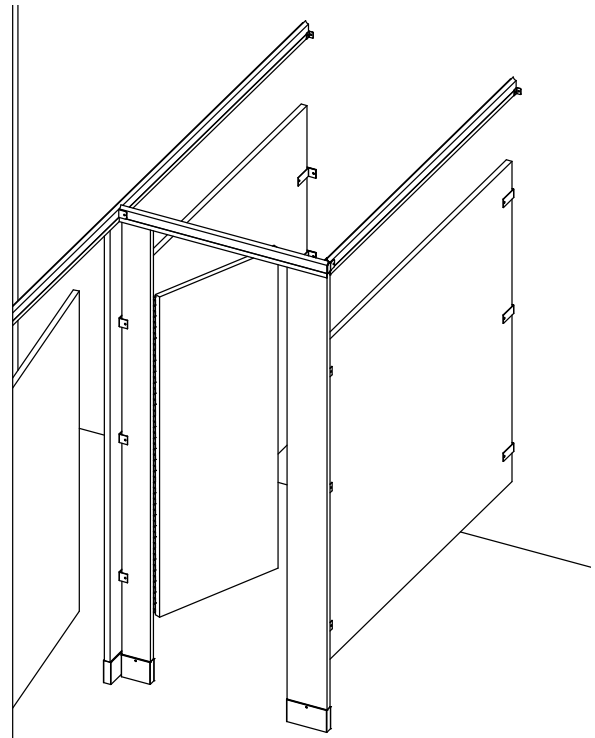
Please read all instructions before installing products.

These instructions are intended for use with InPro's "standard" toilet partitions, which include 58" high doors and wall panels, when deviating from the standard product, Inpro may supply a supplement to these instructions.

Recommended Tool List

- Tape Measure
- Electric or battery-powered drill
- Drill bits (1/4", 17/64", 15/64", 5/16", 3/8", 7/16" for concrete/masonry)
- Screw drivers/Screw driver bits (Flat head and Phillips #2 & #3)
- T-27 Pin-in head Torx driver
- 12" spacer
- Level
- Laser Level
- Chalk Line
- Miter saw
- Adjustable wrench
- Caulk Gun

FIG.1



APPLY SILICONE TO ALL HOLES DRILLED INTO THE PILASTERS, DOORS, WALL PANELS, OR URINAL SCREENS, BEFORE HARDWARE IS INSTALLED, TO PREVENT MOISTURE DAMAGE.

Tips from the Pros:

When calculating distances to center lines -- pilasters, panels, and doors are all 1" (25.4mm) thick.

Do not drill holes at an angle. Make sure to drill perpendicular to material.

Pilot Holes should be 15/64" (5.95mm) diameter and drilled approximately 1/4" (6.35mm) deep.

Through-drilled holes should be 1/4" (6.35mm) diameter. Drill completely through material. Do not drill through brackets.

In-wall bracing is not furnished by InPro® Corporation. Confirm adequate structural support exists in walls prior to installation.

Where ceiling mount is required, structure in ceiling is not furnished by InPro® Corporation. Actual mounting system, including additional structural bracing, if required, must be designed by the architect or structural engineer, and furnished by others.

IPC.1328/REV.7

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Step 1 - Drilling Holes for Pilaster Floor Anchors (See Figure 2A.)

1. Using the layout drawings (supplied by InPro®) and a tape measure, confirm actual room dimensions.
2. Determine physical layout of parts in relationship to the room. If there is a discrepancy, please contact your InPro® sales rep at 800-222-5556.
3. Using the layout drawing as your guide, mark the center lines for pilasters and panels on the floor where they meet the structural walls. Since walls in the room may not be square, confirm layout dimensions parallel to the back wall with those measured from the perpendicular side walls.
Tip: All parts are 1" (25.4 mm) thick.
4. Once measurements and layout has been confirmed, snap a chalk line between marks, made in the previous step, to mark partition center lines on the floor.
5. Starting from the side wall, measure and mark all hole drilling locations for pilaster anchors.
Tip: There are two holes per anchor—the distance between the two holes is always 1-1/2" [38.1mm]. There will be two "Floor Brackets" for pilasters 8" and larger, the brackets should be evenly spaced (See Figure 2B).

Step2 - Install Pilaster Floor Anchors (See Figure 2B.)

1. Drill a 3/8" (9.525mm) holes to 1-1/2" (38.1mm) minimum depth.
2. Blow out all dust inside hole.
3. Insert plastic anchor into hole. Using a hammer, gently tap the anchor into the hole until it reaches full depth.
4. Position floor bracket over anchors.
5. Insert Phillips head screw and secure floor bracket.
6. To compensate for pitched floors, peel and stick red Silicone Rubber shims onto top of screw heads to desired height. Shims are 1/4" (6.35mm) thick and fit inside the floor bracket, use as necessary.

FIG. 2A

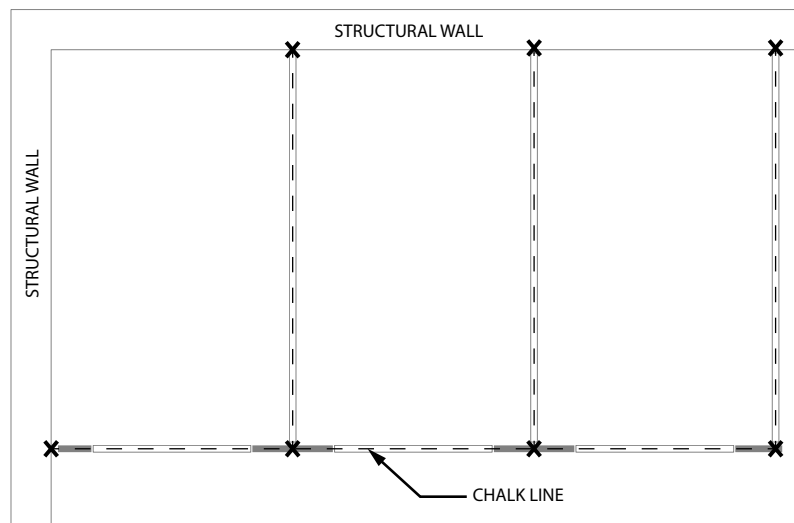
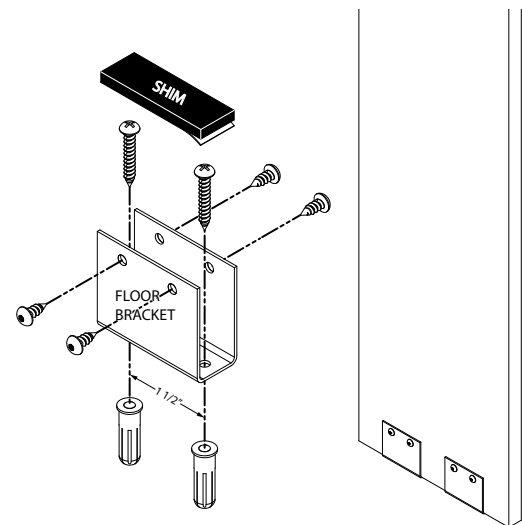


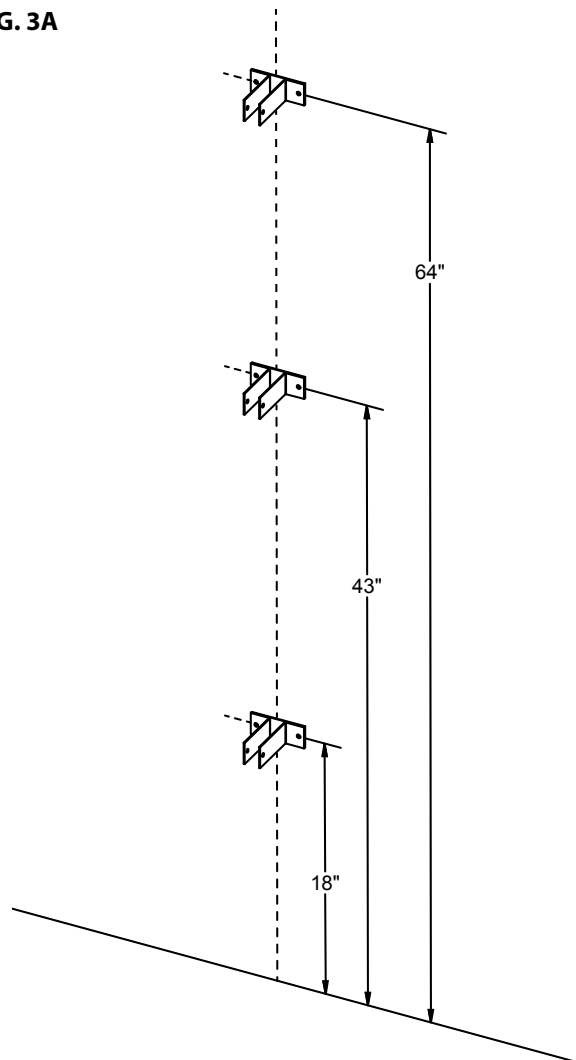
FIG. 2B



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FIG. 3A



Step 3 - Installing Wall Brackets

1. Use tape measure and level to measure, plumb, and mark center lines of all pilasters and panels on the structural walls.
2. From the highest point of the finished floor, measure up 18" (46cm), 43" (110cm) and 64" (163cm) and place a mark on the plumb line where the wall brackets are to be installed (*See Figure 3A*). For continuous brackets, measure 12-1/2" (32cm) from the highest point of the finished floor.
3. Using a laser level or chalk line, transfer those marks to all other plumb lines in the room.
4. Use the appropriate bracket as a template for marking the locations of all mounting holes (on exposed end panel, position the bracket with the ear facing toward the inside of the stall). (*See Figure 3C*)
5. Drill a 5/16" (7.94mm) hole (min. 2" [50.8mm] deep) at each location.
6. Insert the plastic anchors in all holes and secure the brackets to the wall with the #14 x 2" screws provided.

FIG. 3B

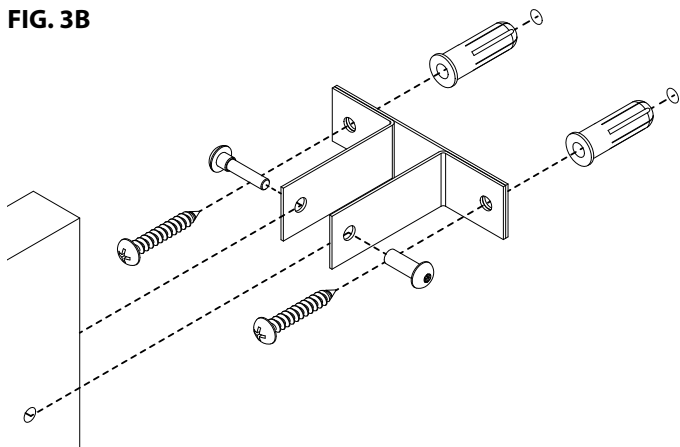
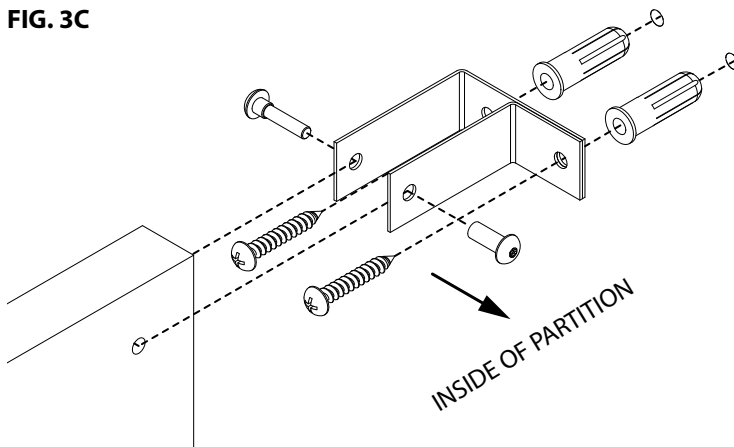


FIG. 3C



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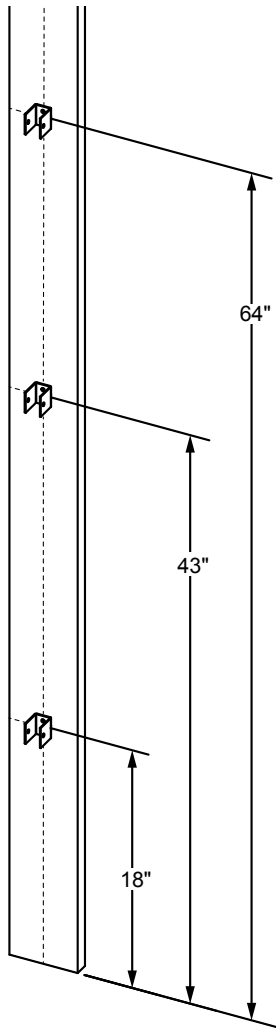
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FIG. 4A



Step 4 - Installing Pilaster "U-style" Brackets

1. Measure up 18" (46cm), 43" (110cm), and 64" (163cm) from the highest point of the finished floor and place a mark on the panel center line (on pilaster).
Tip: Refer to layout drawing for offset panel placements. For continuous brackets see #5-8 below.
2. Place center of each bracket on the mark, using the bracket as a template, mark the hole locations on the pilaster.
3. Drill a 15/64" (5.95mm) pilot hole, 1/4" [6.35mm] deep, at each location.
4. Secure the bracket using the #14 x 3/4" pan head screws provided. Skip #5-8 below.
5. For continuous brackets, center the the bracket vertically on the wall panel and mark the bottom edge location of the continuous bracket on the pilaster.
Tip: Refer to layout drawing for offset panel placements.
6. Place continuous bracket on panel centerline, using the bracket as a template, mark the hole locations on the pilaster.
7. Drill a 15/64" (5.95mm) pilot hole, 1/4" [6.35mm] deep, at each location.
8. Secure the bracket using the #14 x 3/4" pan head screws provided.

Installing Inline Panel "H-Style" Brackets

9. Center the the bracket vertically on the wall panel and mark the bottom edge location of the continuous bracket on the pilaster.
10. Place "H-Style" bracket on the pilaster, use the bracket as a template to mark the hole locations on the pilaster.
11. Drill 1/4" (6.35mm) holes through the pilaster, where marked.
12. Secure the bracket using the barrel nuts and shoulder screws provided.

FIG. 4B

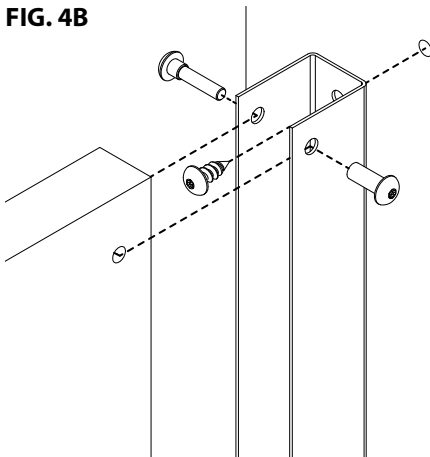
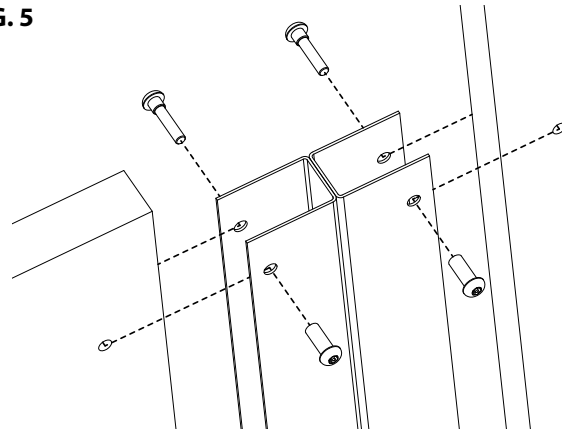


FIG. 5



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FIG. 6

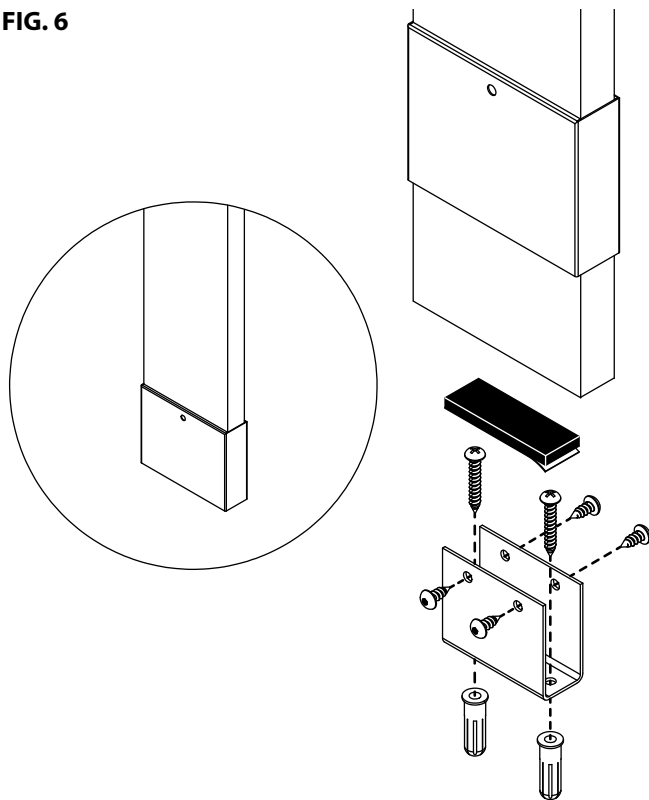
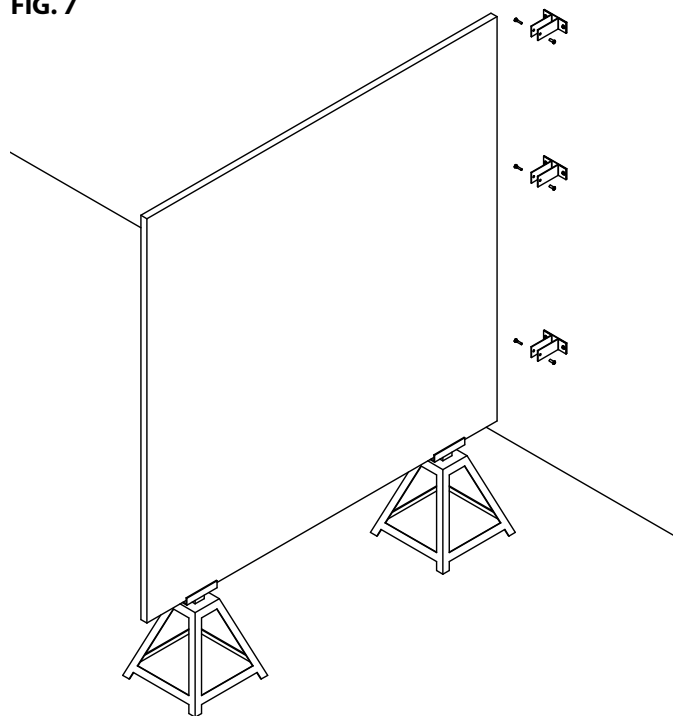


FIG. 7



Step 5 - Installing Panels and Pilasters (Figures 6 and 7)

Tip: Pilasters located at structural walls should be mounted first. Before installing pilasters, slide shoe up from the bottom and temporarily secure with tape. Solid Surface shoes may need to be cut down slightly when pilaster is located by a wall

Where ceiling mount is required, structure in ceiling is not furnished by InPro® Corporation. Actual mounting system must be designed by the architect or structural engineer and furnished by others. See Installation Instructions – Step Eleven.

Start at one end of the layout and install a wall panel, then a pilaster. Continue this sequence until all wall panels and pilasters are installed. Refer to Layout Drawing and leave the appropriate gaps (standard gap is 1" [25.4mm] between wall panel and structural wall, and ½" [12.7mm] between the wall panel and the pilaster).

Double-check that the pilasters are plumb and level to each other. The pilaster height can be adjusted by applying peel and stick red silicone rubber shims onto top of screw heads to desired height, before the mounting holes are drilled. Shims are 1/4" (6.4mm) thick and fit inside the floor bracket, use as necessary.

1. Place a panel on the 12" (30.5cm) spacers, and insert the panel into the wall brackets.
2. Slide shoe up the pilaster from the bottom and temporarily secure with tape.
3. Peel and stick the necessary number of shims to make level.
4. Set the pilaster onto the floor anchor shim while placing the pilaster bracket around the panel.
5. Confirm all parts are level and plumb.
6. Using brackets as a template, drill 1/4" (6.35mm) holes through panels for each bracket hole.
7. Secure the panels to the brackets using the barrel nuts and shoulder screws provided.
8. Slide the Shoe down over the floor anchor bracket, and secure with Pan 6-lobe screws. Silicone top perimeter of shoe using color match silicone, if desired.
9. Repeat steps for each partition unit.

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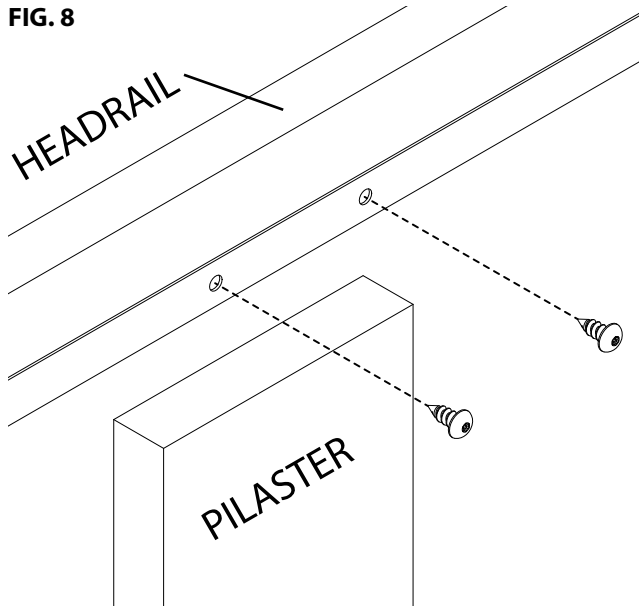
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FIG. 8

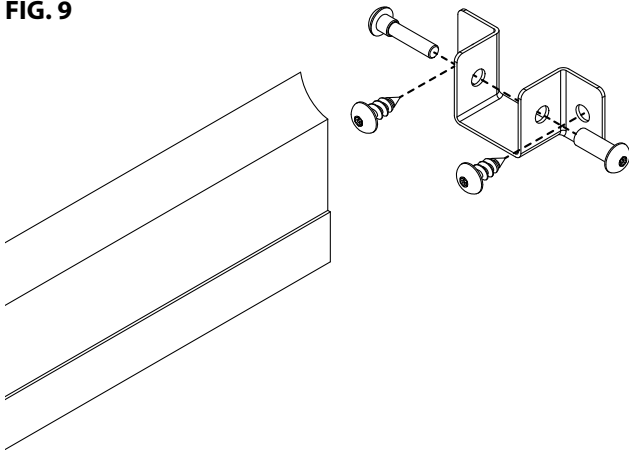


Step 6 - Installing Headrail (Figures 8 and 9)

Tip: Make sure the Pilasters are plumb and that all shoulder screws and barrel nuts are tight. Leave the appropriate door spacing between pilasters (refer to the Layout Drawings). Some headrail sections may need to be cut to length on site (refer to the Layout Drawings). Head rail sections that need to be joined in-line should meet and be connected over a pilaster support (#8 x 1/2" screws and head rail connector pack provided).

1. Place head rail over the top of each pilaster and slide it tight against the side wall.
2. Position head rail bracket and mark the bracket mounting holes on the wall.
3. Drill 5/16" (7.94mm) hole (min. 2" [5.1cm] deep) at each location.
4. Secure each bracket to the wall with screws and plastic anchors provided.
5. Place head rail back into position and using the head rail bracket as a template, drill a 1/4" (6.35mm) hole through the head rail.
6. Fasten the head rail to the bracket using barrel nuts and screws provided.
7. On the inside of each pilaster (starting at one end), drill a 1/4" (6.35mm) hole through one face of the headrail only.
8. Using this hole as a template, drill a 15/64" (5.95mm) pilot hole into the pilaster 1/4" (6.35mm) deep. Secure the headrail to the inside of the pilaster with #14 x 3/4" screws provided.
9. For outside corner layouts, cut both head rails to correct length, and install perpendicular head rail using head rail corner pack provided. Insert the End Plug into the open end.

FIG. 9



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FIG. 10

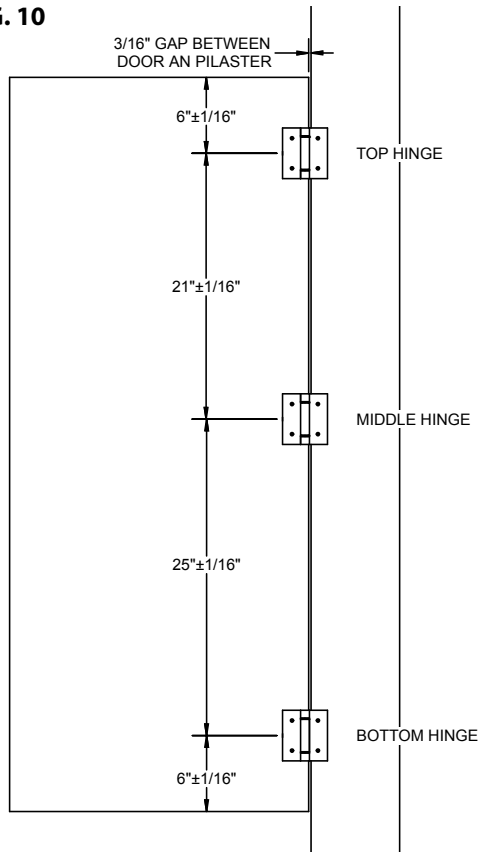
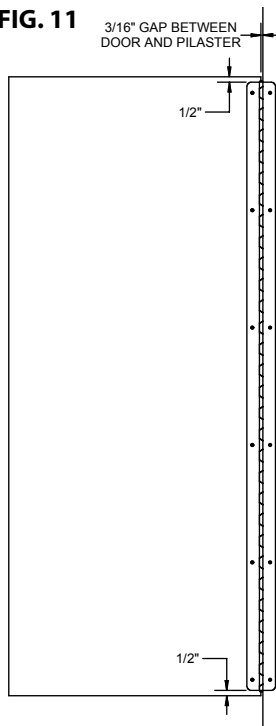


FIG. 11



Step 7 - Installing Surface-Mounted Hinges (Figure 10)

Tip: Before installing hinges, make sure the door openings are the correct size, all pilasters are plumb and that the head rail is installed.

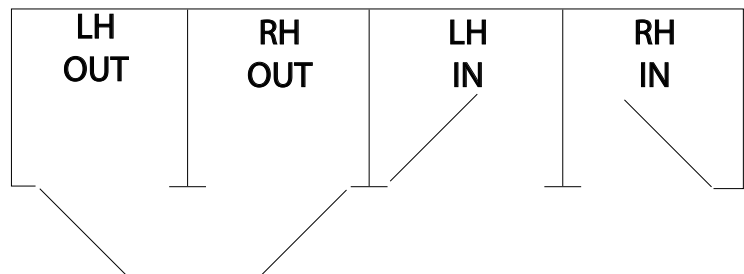
Determine the door swing by facing the stall from the outside. Refer to your Layout Drawings to determine each specific door swing. (See Figure 12)

1. Attach all three door hinges to the door at the factory drilled hole locations with the provided screws (See Figure 11 for continuous piano hinge).
2. Place the door on a 12" (30.5cm) spacer and move it into position (when the door is in the closed position, the standard gap at the hinge and latch sides should be 3/16" (4.76 mm) and the bottom of the door should be 12" (30.5cm) from the floor).
3. Using the hinges as templates, mark and drill 15/64" (5.95mm) pilot holes approximately 1/4" (6.35mm) deep in the pilaster.
4. Secure the hinges to the pilaster with the #14 x 3/4" Pan 6-lobe screws.
5. Adjust the pintle in the top hinge to determine the "at rest" position of the door.

Step 8 - Attaching Piano Hinge

1. Attach the continuous piano hinge to door at the factory drilled hole locations with the provided screws. (See Figure 11)
2. Place the door on a 12" (30.5cm) spacer and move into position (when the door is in the closed position, the standard gap at hinge and latch sides should be 3/16" (4.76mm) and the bottom of the door should be 12" (30.5cm) from the floor).
3. Using the hinge as a template, mark and drill 15/64" (5.95mm) pilot hole approximately 1/4" (6.35mm) deep in the pilaster.
4. Secure the hinge to the pilaster with the #14 x 3/4" Pan 6-lobe screws.

FIG. 12



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FIG. 13
IN-SWING DOORS

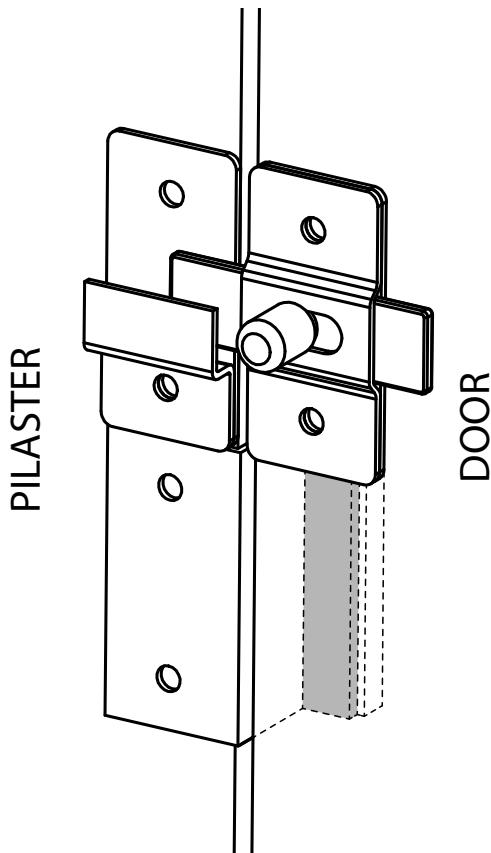
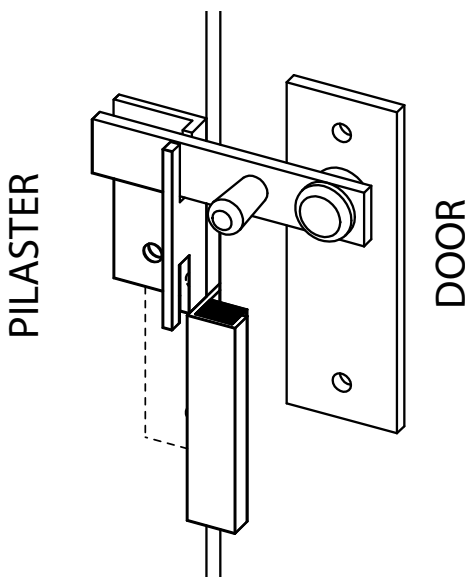


FIG. 14
OUT-SWING DOORS



Step 9 - Installing Latch and Strike/Keeper for In-swing and Out-swing Doors

(Figures 13 & 14)

Tip: Local codes vary from state to state. Check your local codes before installing the coat hook and door pulls. Consult the ADA Standards for any ADA Compliant Stalls.

In-Swing:

1. Position the slide latch on the inside of the door at the desired location.
2. Using the slide latch as a template mark the hole locations on the door.
3. Drill a 15/64" (5.95mm) pilot hole approximately 1/4" (6.35mm) deep at each location.
4. Position the slide latch on the inside of the door, over the pilot holes.
5. Secure the latch to the door with the #14 x 3/4" Pan 6-lobe screws.
6. With the door in the closed position, place the keeper on the pilaster and then align the latch slide bar so that it fits within the notch of the keeper and operates freely.
7. Using the keeper as a template, mark the hole locations on the pilaster and drill two 15/64" (5.95mm) pilot holes approximately 1/4" (6.35mm) deep.
8. Using the strike as a template, mark the hole locations on the pilaster (The strike plate will be on the inside of the pilaster while the bumper will be on the outside of the door). Drill a 15/64" (5.95mm) pilot hole approximately 1/4" (6.35mm) deep at each location.
9. Secure the strike & keeper to the pilaster with the #14 x 3/4" Pan 6-lobe screws.

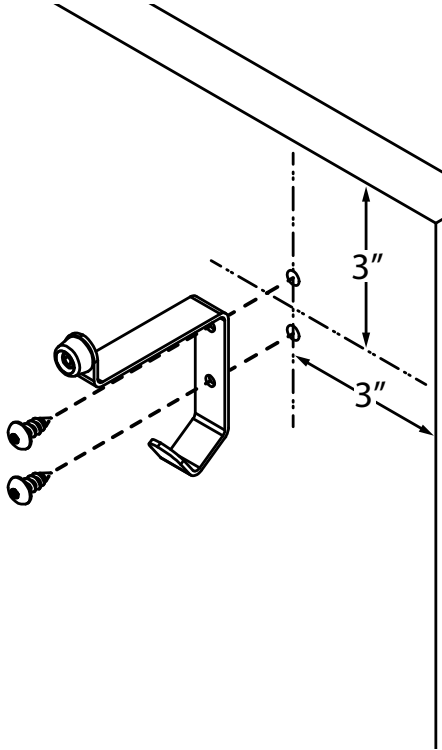
Out-Swing:

- The instructions are the same as for an In-Swing except that the strike plate will be on the outside of the pilaster and the bumper will be on the inside of the door.

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FIG. 15



Step 10 - Installing Door Pulls and Coat Hooks

Tip: Local codes vary from state to state. Check your local codes before installing the coat hook and door pulls. Consult the ADA Standards for any ADA Compliant Stalls.

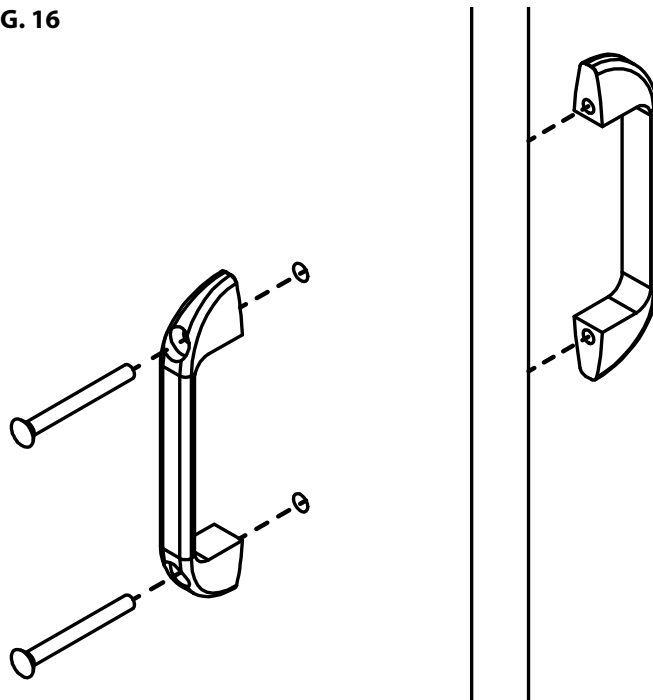
Coat Hook: (Figures 15)

1. On the inside (latch side) of the door measure down 3" (76.2mm) and place a mark on the door, measure over 3" (76.2mm) from the edge of the door and make a mark.
2. Center the coat hook on the marks created in the previous step. Using the coat hook as a template mark the mounting holes on the door.
3. Drill 15/64" (5.95mm) pilot holes approximately 1/4" (6.35mm) deep at each location.
4. Secure the coat hook to the door with #14 x 3/4" Pan 6-lobe screws.

Door Pull: (Figures 16)

1. Place the door pull in the desired location on the inside (latch side) of the door and place a mark on the door for the top hole. Measure down 3 1/2" (88.9mm) and place a mark for the second hole.
2. Drill 1/4" (6.35mm) holes through the door at the each location.
3. Secure the door pull, to the door, by inserting the screws through the inside handle and door. Then thread them into the outside handle and tighten.

FIG. 16



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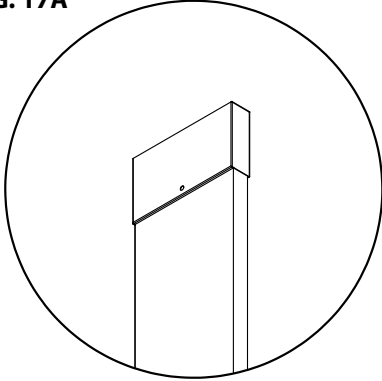
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FLOOR TO CEILING AND CEILING MOUNTED PARTITIONS

FIG. 17A



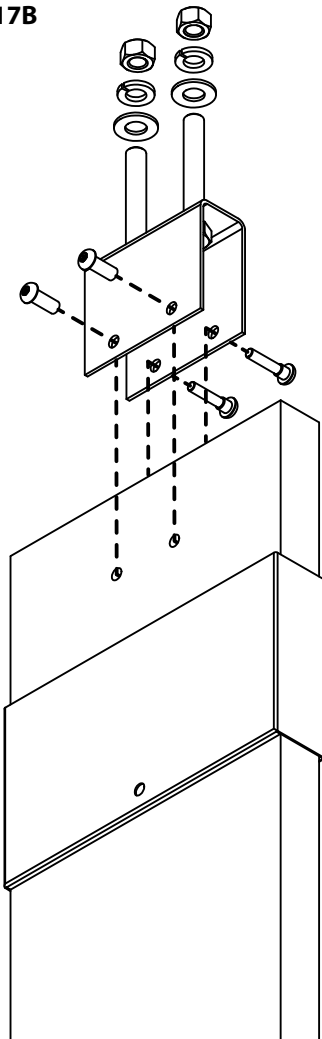
Step 11 - Installing Floor to Ceiling and Ceiling Mounted Pilasters

Where ceiling mount is required, steel structure in ceiling is not furnished by InPro® Corporation. Actual mounting system must be designed by the architect or structural engineer, and furnished by others.

Ceiling anchors are to be installed before finished ceiling is applied if working with a finished ceiling.

Tip: There will be two "Ceiling Anchors" for pilasters 8" and larger, the brackets should be evenly spaced.

FIG. 17B



1. Drill 7/16" (11mm) holes through structural steel where mounting brackets are required.
2. Install flat washer, lock washer and hex nut. Tighten hex nut to secure. (See Figure 17B)
3. Slide shoe down the pilaster from the top and temporarily secure with tape.
4. Confirm all parts are level and plumb.
5. Using the brackets as a template, drill 1/4" (6.35mm) holes through panels at each bracket hole.
6. Secure the panels to the brackets using the barrel nuts and shoulder bolts provided.
7. Slide the shoe up over the ceiling anchor bracket and secure with the supplied screws (silicone the bottom perimeter of the shoe using color matched silicone if desired).
8. Repeat steps for each partition unit.

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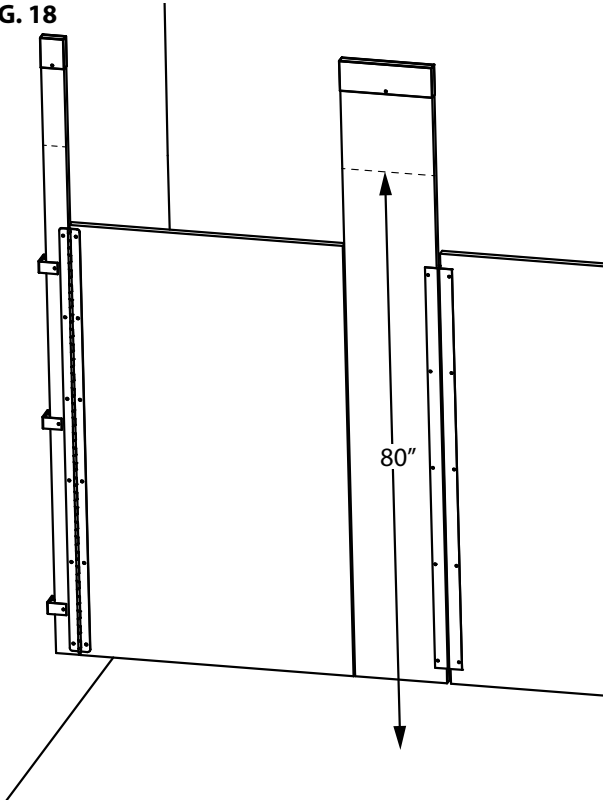
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CEILING MOUNTED PARTITIONS - LATERAL BRACE

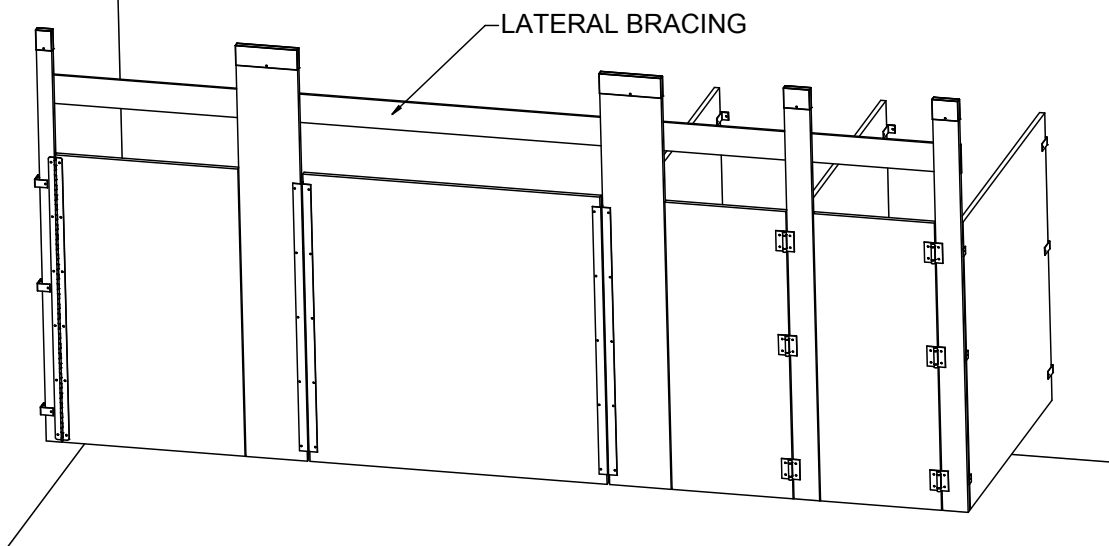
FIG. 18



Step 12 - Installing Pilaster Lateral Brace

1. Mark a level line, at least 80" (203.2cm) above the finish floor, on every Pilaster hanging from the ceiling. (See Figure 18)
2. Measure location of every pilaster from a fixed point or wall. Identify the measurement at the vertical edges of these pilasters.
3. Transfer those measurements, identifying the vertical edges of the pilasters, to the lateral brace. Mark with a pencil.
4. Cut lateral brace to required length with a typical fit for a wall-to-wall placement. Plan to place this cut against a wall during installation.
5. After identifying pilaster locations on lateral brace, mark two pilot holes centered vertically on each pilaster. The pilot holes should be 1-1/2" from the top and bottom edge of the lateral brace.
6. Using a 1/4" (6.35mm) drill bit, drill pilot holes completely through lateral brace. Confirm vertical alignment.
7. Position lateral brace on pilasters, above the line marked in step 1, and make sure pilot holes are centered on the pilasters.
8. Secure the lateral brace to the pilasters with two #14 x 1" six-lobe screws per pilaster. (See Figure 19)

FIG. 19



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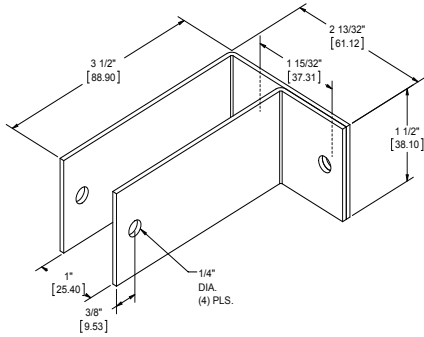
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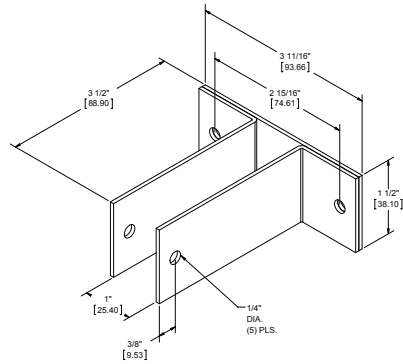
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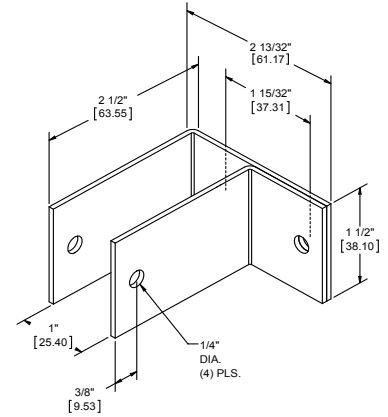
PARTITION HARDWARE - Standard Package Brackets



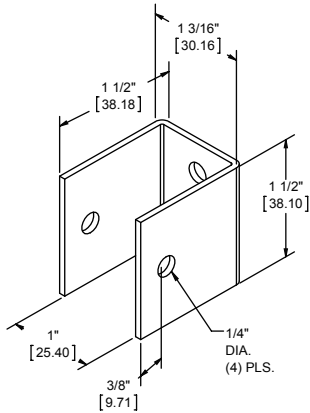
DSPPHW1279, WALL BRACKET, ONE EAR, 1"



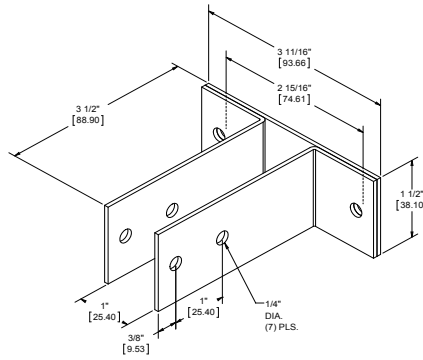
DSPPHW1269, WALL BRACKET, TWO EAR, 1"



DSPPHW1769, WALL BRACKET, ONE EAR, 1"

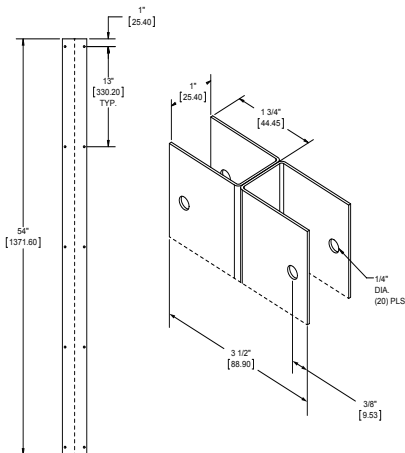


DSPPHW1919, U-BRACKET, 1" CRSS



DSPPHW1289, URINAL SCREEN BRACKET, 1"

PARTITION HARDWARE - Standard and Premium Package Brackets



DSPPHW2859, H-BRACKET, 1"x54"

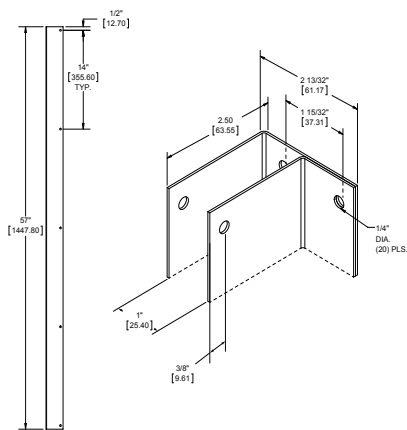
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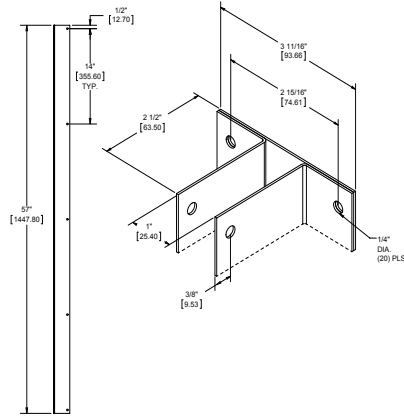
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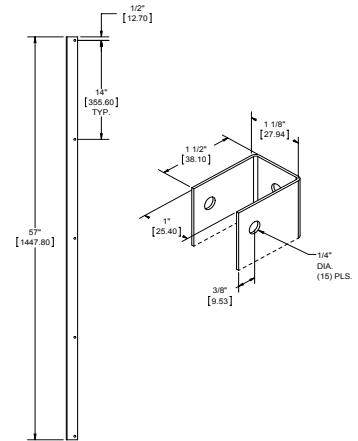
PARTITION HARDWARE - Premium Package Brackets



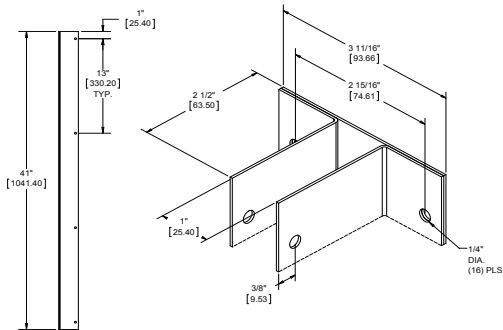
DSPPHW2339, WALL BRACKET, ONE EAR, 1"x57"



DSPPHW2349, WALL BRACKET, TWO EAR, 1"x57"



DSPPHW2369, U-BRACKET, 1"x57"



DSPPHW2609, URINAL SCREEN BRACKET, 1"x41"CRSS

Installation Hotline • 866.EZINPRO

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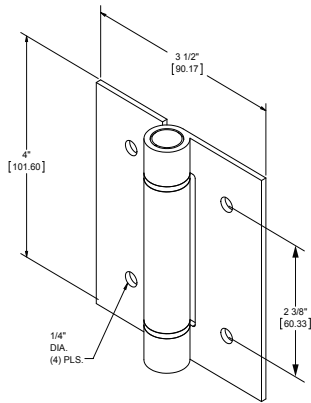
World Headquarters S80 W18766 Apollo Drive, Muskego, WI 53150 USA

ENDURANT®
WASHROOM SYSTEMS

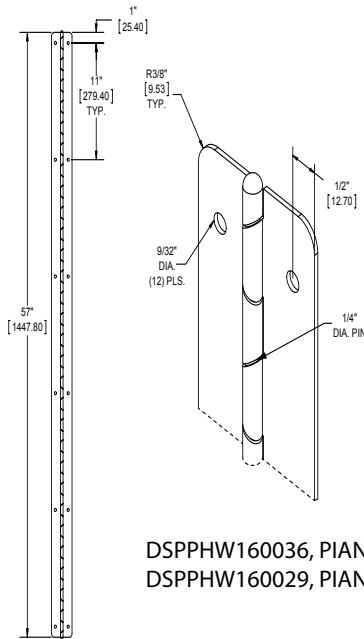
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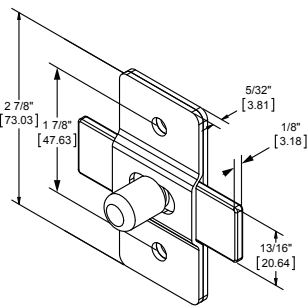
PARTITION HARDWARE - Door Hardware



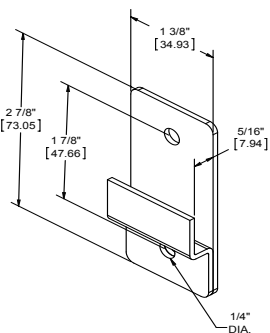
DSPPHW8649, SURFACE MOUNTED SPRING HINGE



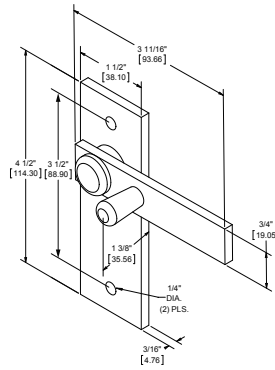
DSPPHW160036, PIANO HINGE, CAM 57" (20° OPEN)
DSPPHW160029, PIANO HINGE, CAM 57" (0° OPEN)



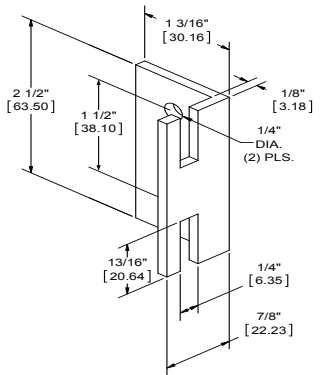
DSPPHW6309, LATCH SIDE,
SURFACE MOUNT



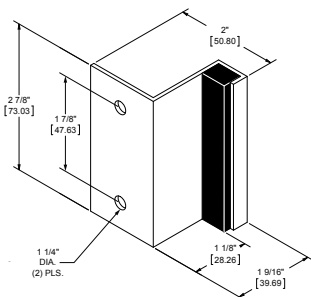
DSPPHW6789, KEEPER,
ADAPTER



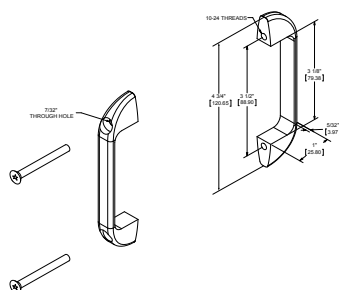
DSPPHW5153, DOOR LATCH,
ADA



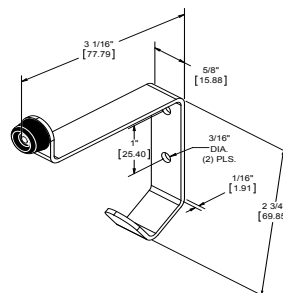
DSPPHW5183, KEEPER,
ADAPTER



DSPPHW6449, STRIKE, 1"



DSPPHW54403, DOOR PULL SET

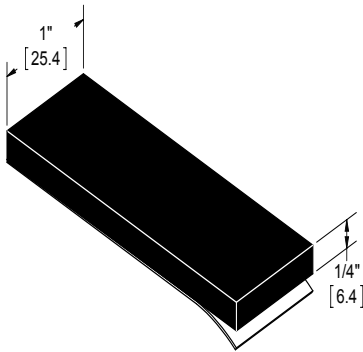


DSPPHW4009, HOOK
COMINATION BUMPER

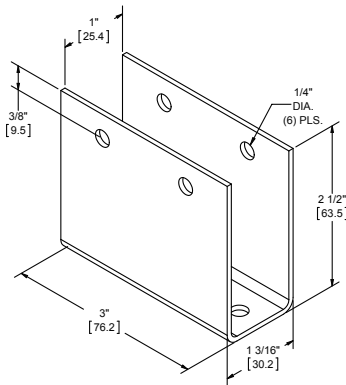
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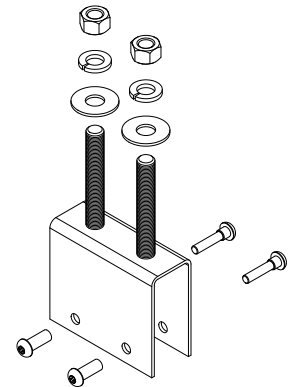
PARTITION HARDWARE - Anchors, Bracing and Shoes



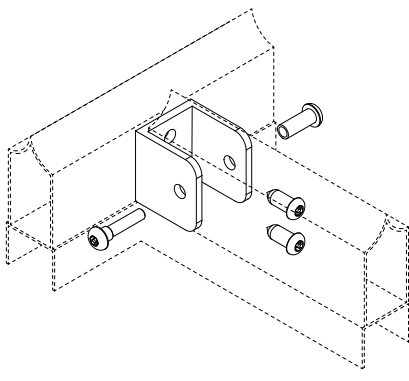
2614T85, RUBBER SHIM,
ADHESIVE BACK



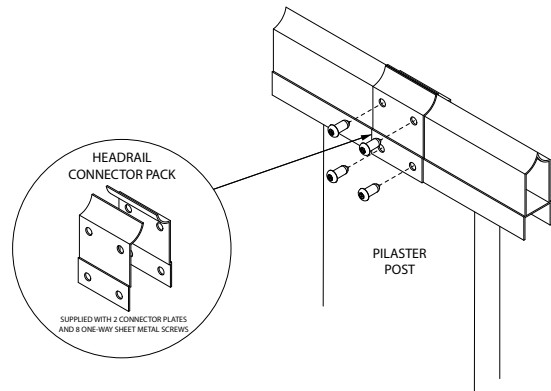
DSPPHW2329, FLOOR BRACKET



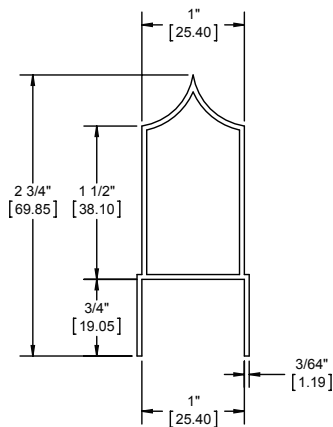
DSPPHW111759, ANCHOR PACK



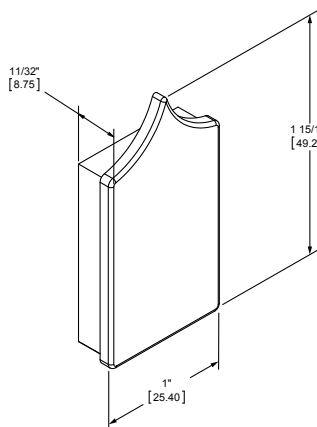
DSPPHW15803, CORNER PACK,
OVERHEAD BRACING



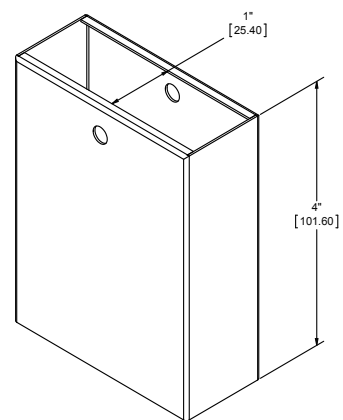
DSPPHW15772,
HEADRAIL CONNECTOR PACKS



DSPPHW80042, DSPPHW80142,
HEADRAILS



DSPPHW6675, END PLUG,
OVERHEAD BRACING



PILASTER SHOE
WIDTH WILL VARY BASED ON PILASTER WIDTH