
Partition Stalls
Installation Manual
SOLITUDE
Privacy by Design

PARTITION STALLS SOLITUDE INSTALLATION INSTRUCTIONS

TABLE OF CONTENTS

CAUTION! Failure to read and follow all procedures herein could result in a failed installation.

Before you begin, note the following...

- Caution, safety first! Be certain to have and use the proper safety gear.
- Structural support in the walls, floors and/or ceiling is not supplied by Partition Stalls. Verify that adequate blocking has been installed where necessary before you proceed.
- This installation manual should be used in conjunction with the layout drawings prepared by Partition Stalls Refer to the layout drawings for further information such as the stall width and depth, individual component sizes (e.g. panels, stiles &/or doors), etc. You will need the layout drawings to determine the centerline markings for drilling locations. By default, Solitude is designed with the rabbeted edges for a full privacy "No-Peek" design. You MUST have the layout drawing which includes special notes to indicate the location for each individual pilaster and door.
- When the material is shipped to you, an Initial Release (packing list) is included. Be certain that all items you need have been ordered and shipped properly.
- Plan ahead… coordinate all of the materials and hardware for each specific layout. Study your layout drawings and evaluate any special conditions that may require custom size materials, unique hardware or special tools.
- Read all of these instructions carefully and thoroughly. Reading this manual first will better prepare you for the entire installation.

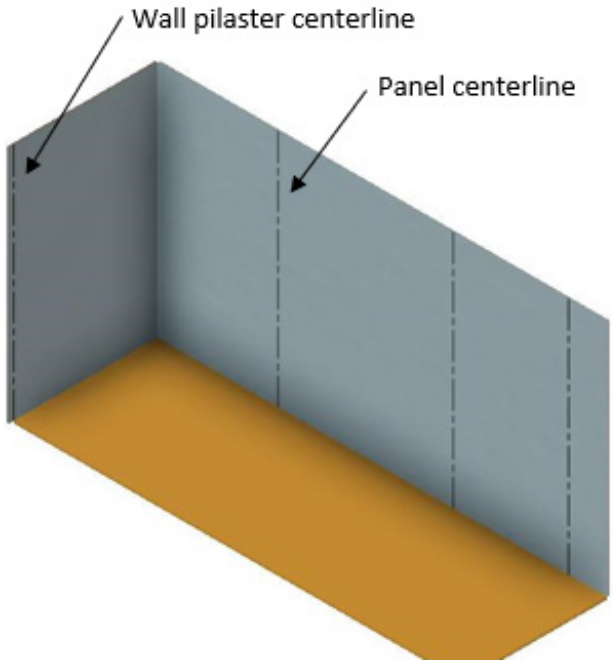
Suggested Tools...

For your convenience we suggest you have the following tools: Tape measure, chalk line, pencil, masking tape (to help you layout drilling locations), power drill, drill bits ¼", 5/16", ¾", Masonry bits ¼", 5/16" scissor jack, T20 & T27 Torx Head, center punch, plumb-bob, level, hacksaw, hammer, shims, temporary support blocks for panels and pilasters, 4" or 9" high.

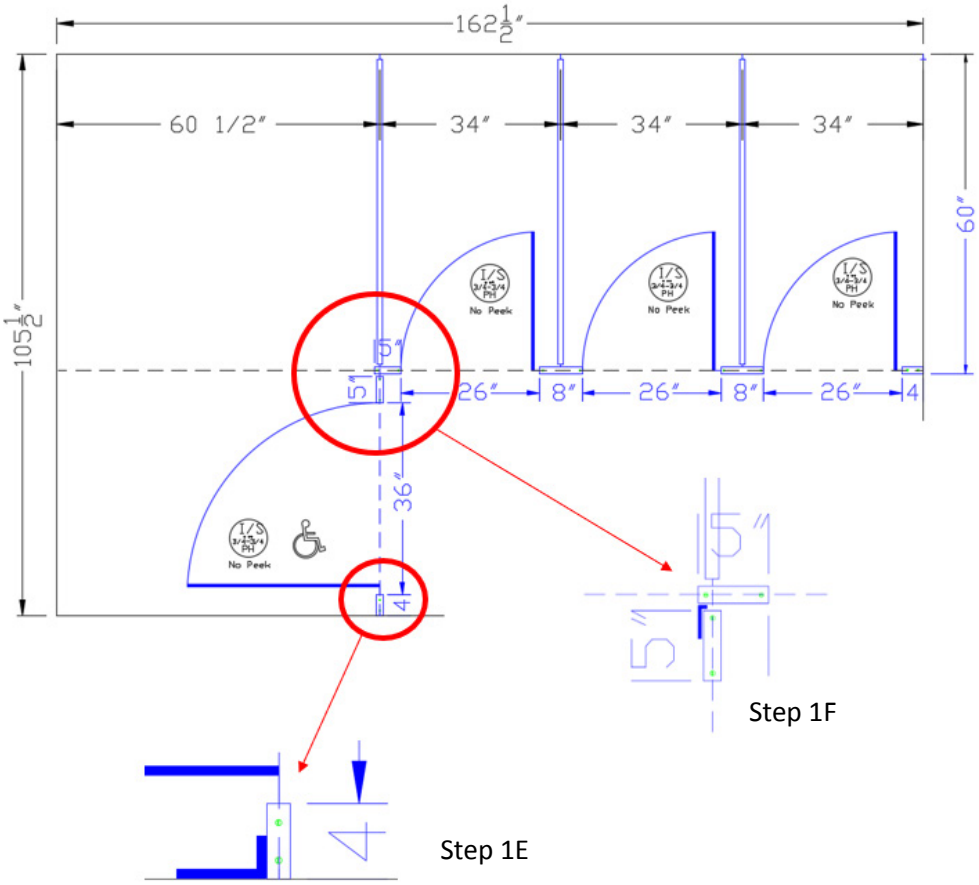
STEP 1 - LAYOUT

A. Mark the location for each wall angle bracket along the side and back walls. Refer to the layout drawings for particular stall dimensions. The centerline for attachment holes for back wall angles is ¾" on either side of the stall centerline. The centerline for attachment holes on the side wall angle is 7/8" from the pilaster centerline or 1¼" less than the stall depth based on 1 interior angle with short leg on wall. If you use the long leg on the wall, the hole is 2 1/8" from centerline.

B. For this next step, we supplied you with a "Wall Bracket Assembly Template" comprising of a piece of phenolic to be put between 2 wall angles and assembled with through-bolts provided. Mark the location for wall angle holes using the angles as a template. Angles will either be set 4½" or 9½" AFF. **NOTE** for "outside" panels at the end of a corner stall, only 1 angle will be used on the inside of the stall to avoid any exposed brackets.



Detail "A"



Step 1F

Step 1E

C. Drill ¼" clearance holes and insert plastic anchors each hole.

D. Secure the angles to the wall with #12 x 2½" sheet metal screws provided.

E. Angles are normally installed with the short leg against the wall. Some angles may need to be installed with the short leg against the pilaster to provide clearance from the hinges or S&K, as shown in the diagram to the left with the 4" pilaster.

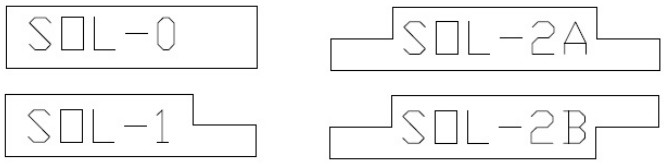
F. The angle used between 2 alcove pilasters, as seen here, will require a different size angle where the short leg is smaller than usual. This will allow you to install the angle as shown so that it is not visible from the outside of the stall.

STEP 2 - PREPARE STILES

A. Each pilaster is rabbeted on 1 or 2 sides to mate with each door providing a full privacy "No Peek" Siteline as seen in the images to the right and the sketch below. Refer to the layout drawings to be certain that you use the correct pilaster in each location.

Detail "B"

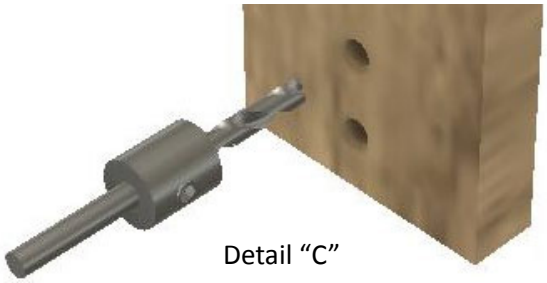
Each pilaster on the packing slip will have one of these notes.



Each notch can work with either the hinge side or strike side.

Pilasters can be rotated and/or flipped over so that the notches coordinate properly with the door swings.

B. For the first pilaster up against the wall, set upon 4" or 9" high blocking if necessary, to hold the proper elevation. Refer to the layout drawings for wall gap size. Position pilaster up against wall angle. Predrill .460 deep pilot holes using the special drill tool provided (see Detail "C"). Fasten the bracket in place with #12 x 7/16" fasteners provided being certain to tighten the screws all the way to fully engage them into the phenolic material. **IMPORTANT** Do NOT use an impact driver.



Detail "C"

C. For all other pilasters, locate the U-Bracket against the back of each pilaster using the stall dimension to locate the vertical centerline. Confirm that the surface you're attaching to will face the inside of the stall. Mark the hole locations using the bracket as a template positioned ½" from the bottom or top of the pilaster.

NOTE - Pilasters at the end of a corner stall will use an interior angle instead of a U-Bracket when attaching to a panel to avoid any exposed brackets.

D. Predrill .460 deep pilot holes using the special drill tool provided (see Detail "C"). Fasten the bracket in place with #12 x 7/16" fasteners provided being certain to tighten the screws all the way to fully engage them into the phenolic material. **IMPORTANT** Do NOT use an impact driver.

****IMPORTANT NOTE****
You may wish to prep the door hinges onto the pilasters now BEFORE you install the pilaster onto the panel. If so, refer to step 7.

E. Position the pilaster with the U-bracket onto the panel. Using the U-Bracket as a template, drill clearance holes through the panel. Fasten the pilaster U-Bracket to the panel using the through-bolts (Step Bolts & Barrel Nuts) provided. An "end panel" on an outside corner condition will use an angle instead of a U-bracket on the stall inside.

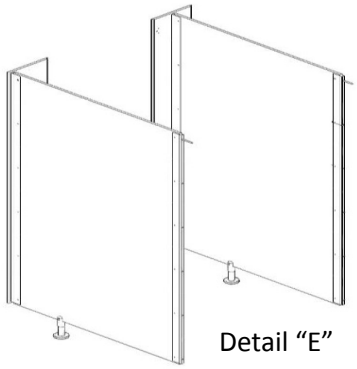
STEP 3 - POSITION PANEL

A. Set the panel onto some type of support 4" or 9" high to maintain the proper elevation. See Detail "D".
B. Set the panel up against the wall between the angles previously installed.
C. Adjust the position of the panel to set the overall stall depth to align with the outside face of the pilaster.
D. Mark holes onto the panel using the angle holes as a template. *NOTE* that only 1 angle is used for "outside" end panels on the interior of the stall to avoid exposed brackets.
E. Remove the panel temporarily and drill ¼" diameter clearance holes.
F. Reposition the panel between the wall angles and fasten with through-bolts provided.

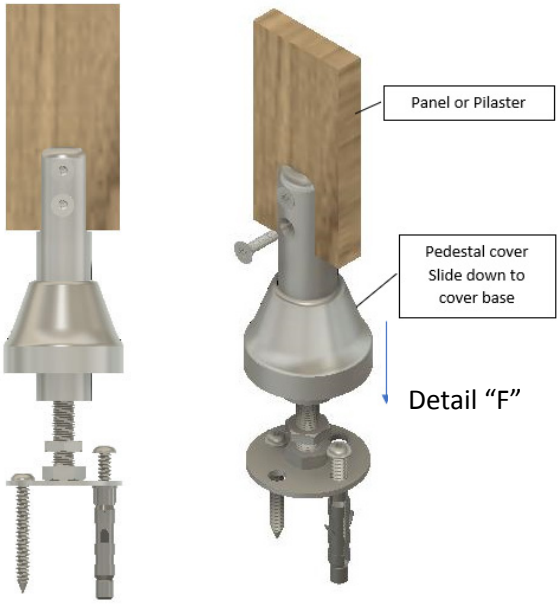
Detail "D"

STEP 4 - PEDESTALS

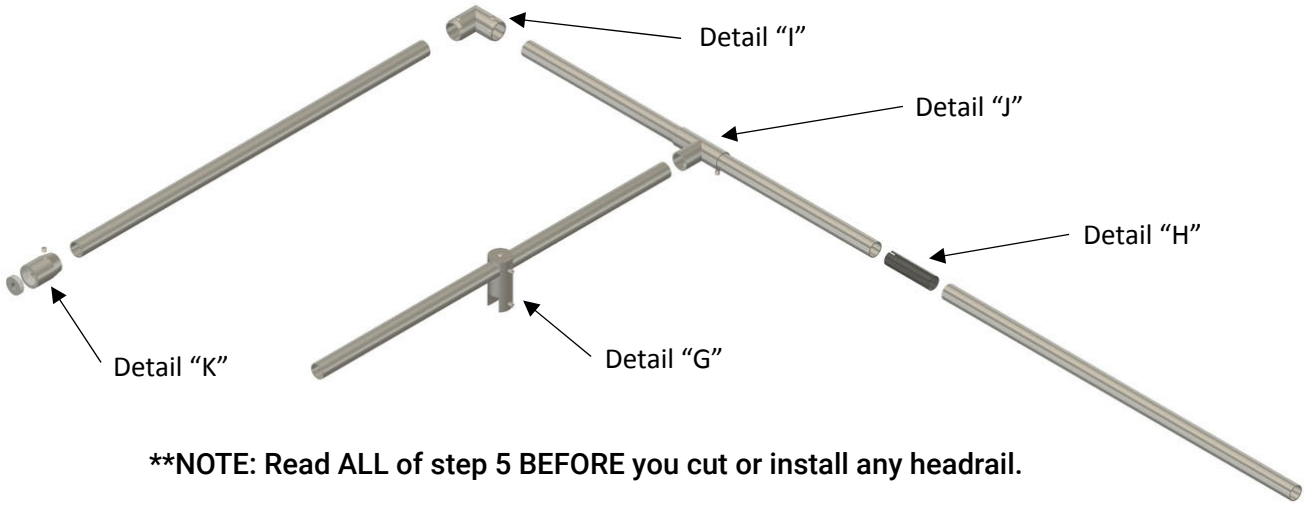
A. A 4" (or 9" optional) pedestal support is provided for each panel. See detail "E". With each panel assembly plumb the pilaster.
B. Verify the door opening measuring from the edge of the pilaster on either side.
C. Position the pedestal on the panel about 6" – 9" back and mark each of the floor holes using the pedestal as a template. Also mark the hole position on the panel.
D. Remove the pedestal temporarily and drill a ¼" diameter clearance hole through the panel and into the floor where marked.
E. Reposition the pedestal and attach with fasteners provided. See Detail "F".
F. Remove the 'panel support'.



Detail "E"



Detail "F"



****NOTE: Read ALL of step 5 BEFORE you cut or install any headrail.**

STEP 5 - HEADRAIL

A. A 'Headrail Support'bracket (Detail "G") is provided for each pilaster.* Installed on top of the pilaster, it is recommended that you do not position it at the same location as the U-Bracket previously installed behind the pilaster to avoid any conflicts. Mark the location of the holes onto the pilaster and fasten in place with fasteners provided. After sliding the headrail through the bracket, lock in place with set screw provided.**

B. Headrail is provided at various generic lengths and needs to be field cut to fit. When there are 2 or more lengths, plan ahead so that each cut is located inside the headrail support bracket to conceal the joint.

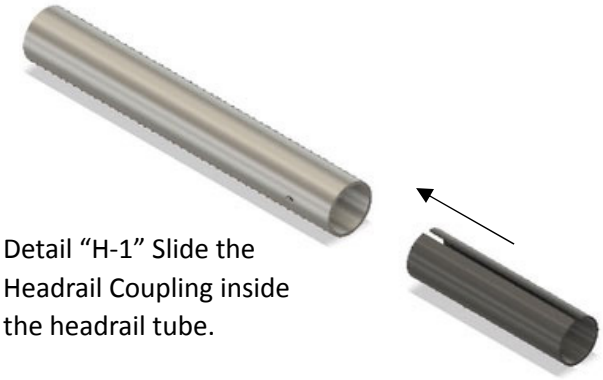
C. At each position where 2 pieces of headrail join, a 'Headrail Coupling' is provided (Detail "H").

Detail "G"

It is recommended that you position the screws for this assembly facing the interior of the stall to conceal them from the outside view.

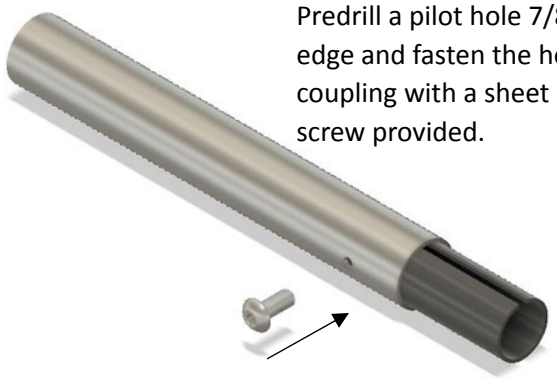
Detail "H"

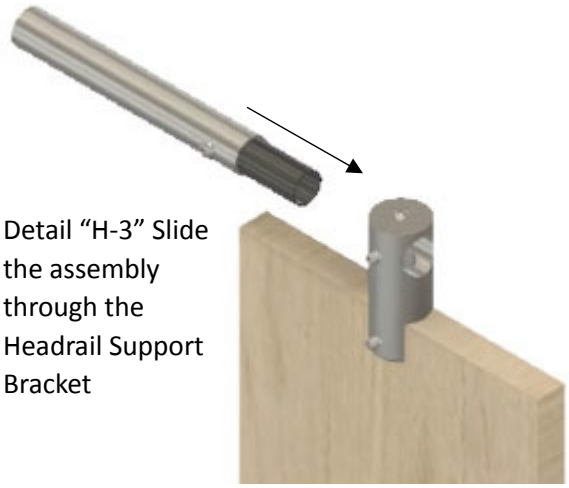
NOTE: The headrail support bracket, item #10300, shown here has a ¾" slot to fit on the pilaster. This is also available with a ½" slot to fit on top of a panel, item #10299.



Detail “H-1” Slide the Headrail Coupling inside the headrail tube.

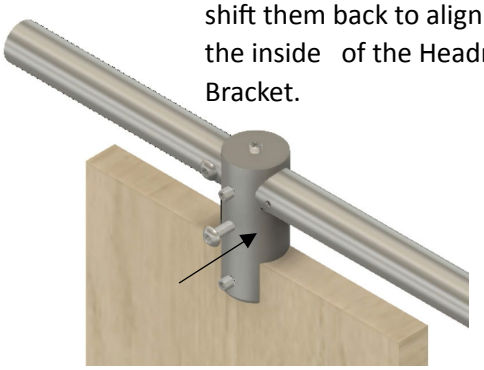
Detail “H-2”
Predrill a pilot hole 7/8” from the edge and fasten the headrail coupling with a sheet metal screw provided.





Detail “H-3” Slide the assembly through the Headrail Support Bracket

Detail “H-4” Slide the 2nd headrail tube over the headrail coupling and shift them back to align the seam on the inside of the Headrail Support Bracket.



* Some pilasters will require 2 pieces of the headrail support bracket. Refer to the drawings provided for the room layout to see which pilasters get 1 or 2 pieces.

**If you wish to install the headrail more securely, you can temporarily remove the set screw in the headrail support bracket. Drill a pilot hole through the hole in the headrail bracket into the headrail tube. Replace the set screw back into the headrail support bracket. The set screw should now be able to engage into the headrail tube more securely. Also… you can replace the set screw with a sheet metal screw if you prefer the fastener to engage even more tightly.

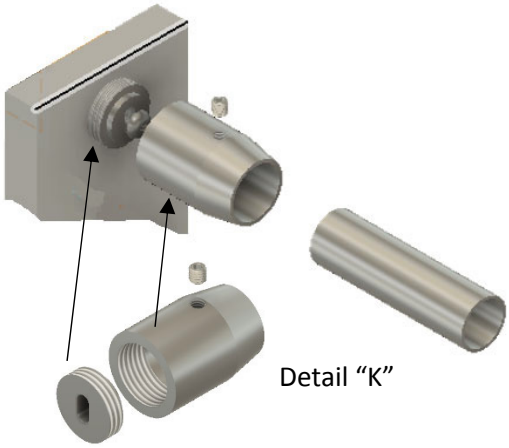
D. At the outside corner, headrail will be provided to return back to the rear wall. An ‘End Headrail Kit’ (aka an “EHR" kit) is provided with a 90-degree bracket (Detail “I”) and wall bracket (Detail “K”) that the headrail tube fits inside as well as the needed fasteners.

Detail “I”

E. In those conditions where 2 pieces of headrail are perpendicular, you will receive a “T-Bracket” as shown in Detail “J”.

F. Where each piece of headrail ends at a wall, a wall bracket (Detail “K”) is provided to attach the headrail to the wall. In certain conditions such as stalls between walls, you may need to remove the cover on the wall bracket and slide it onto the headrail tube BEFORE you install the headrail or wall bracket.

Detail “J”



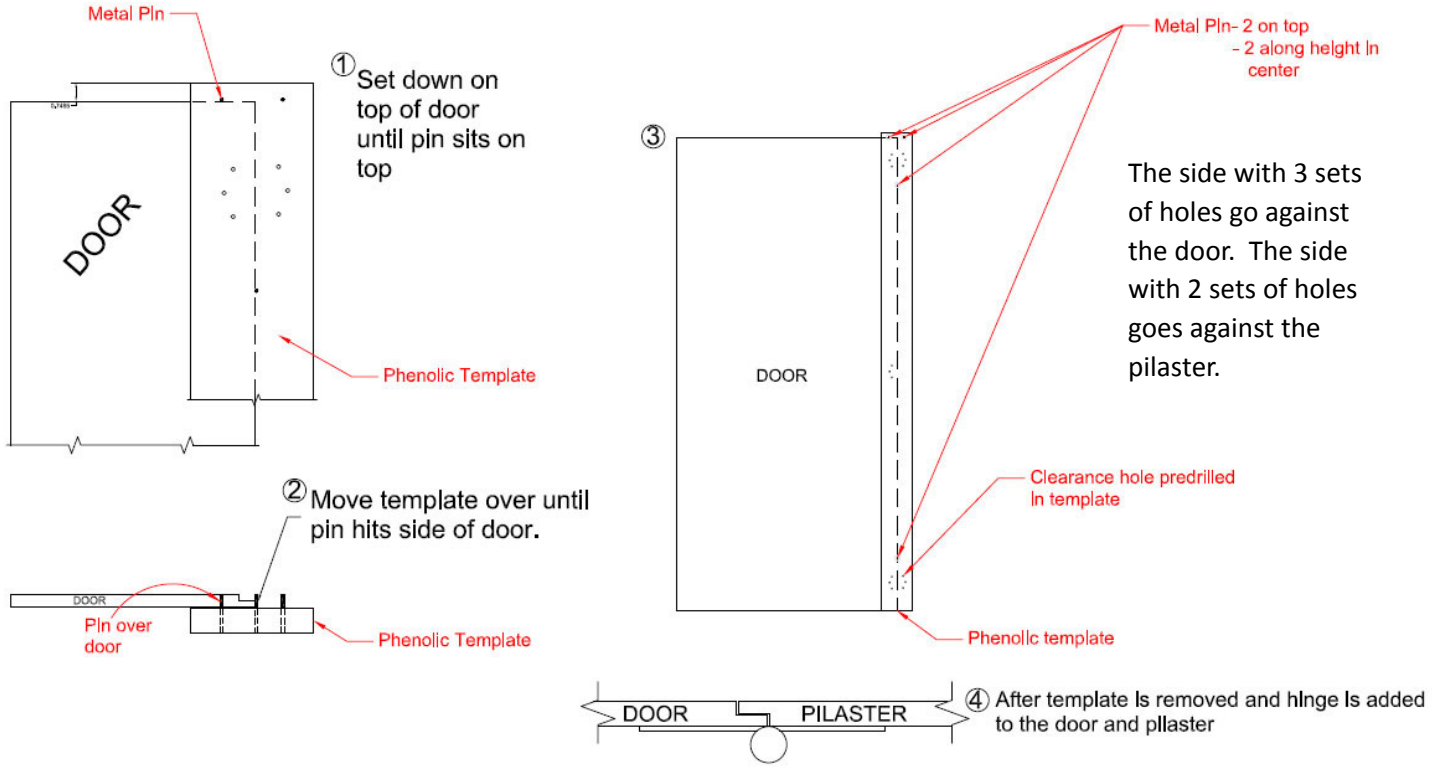
Detail “K”

STEP 6 - ALCOVE PANEL

A. If the room layout calls for an alcove panel and inline pilaster, a full length offset alcove bracket will be provided for the inside of the stall. Using the alcove bracket as a template, position it on the panel and mark the holes for attachment. Predrill .460 deep pilot holes using the special drill tool provided. Fasten the bracket in place with #12 x 7/16” fasteners provided being certain to tighten the screws all the way to fully engage them into the phenolic material.

STEP 7 - DOOR ASSEMBLY

A. All doors will receive three (3) hinges per door. Handicap doors will receive a Back-to-Back door pull while all others will have a single door pull per door. A phenolic 'hinge drilling template' is provided to locate the hinge holes.



B. Using the phenolic template as seen above, predrill .460 deep pilot holes using the special drill tool provided. Fasten the hinge in place with #12 x 7/16" fasteners provided being certain to tighten the screws all the way to fully engage them into the phenolic material.

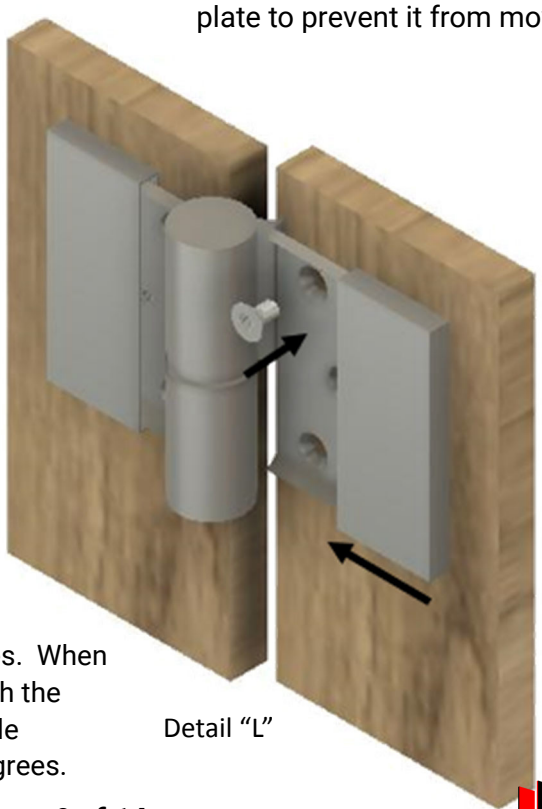
IMPORTANT Do NOT use an impact driver.

Note: Covers are provided for each hinge leaf to conceal the fasteners. Each one simply slides on as seen in Detail "L." **

C. Use the template to mark the hinge holes on the pilaster and then predrill .460 deep pilot holes using the special drill tool provided. Fasten the hinge in place with #12 x 7/16" fasteners provided being certain to tighten the screws all the way to fully engage them into the phenolic material.

NOTE Hinges are preset with the cam set to 0-degrees. When the cam is inserted, the notch on the cam meets up with the notch on the lower half of the hinge. Changing the angle requires you to turn the cam one notch for every 15-degrees.

** TIP: If you find that the hinge cover seems loose, simply add a small amount of silicone to the inside face of the cover plate to prevent it from moving.



Detail "L"

TIP #2: If the hinge leaf is next to a bracket and cannot slide on, bend the lower edge of the cover so that you can hook it onto the top of the hinge and "snap" it in place. Use a dab of silicone to keep it in place.

Partition Stalls

D. Position the coat hook on the surface of the door that faces the inside of the stall and predrill .460 deep pilot holes using the special drill tool provided. Fasten it in place with #12 x 7/16" fasteners provided being certain to tighten the screws all the way to fully engage them into the phenolic material. **IMPORTANT** Do NOT use an impact driver.

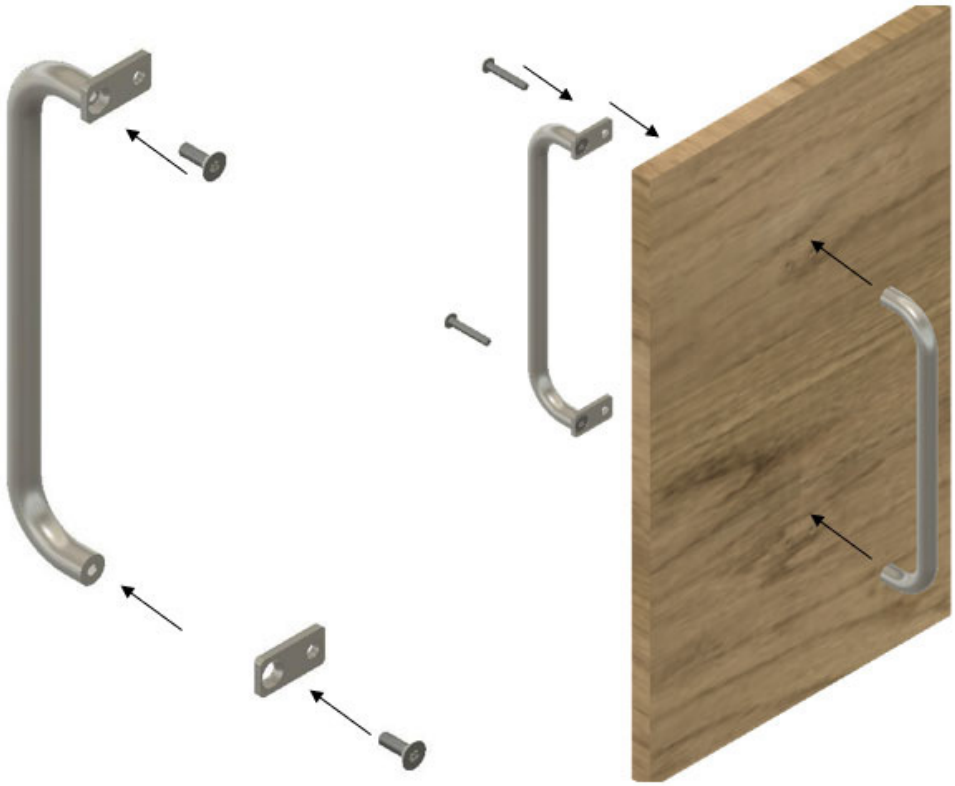
E. Position the Door Pull as shown in Detail "M" on the surface of the door that faces the inside of the stall. Predrill .460 deep pilot holes using the special drill tool provided. Install the Door Pull in place with #12 x 7/16" fasteners provided being certain to tighten the screws all the way to fully engage them into the phenolic material.

IMPORTANT Do NOT use an impact driver.

TIP: For single or double door pulls, you can add Loctite adhesive to the fasteners for added strength.

Detail "M"

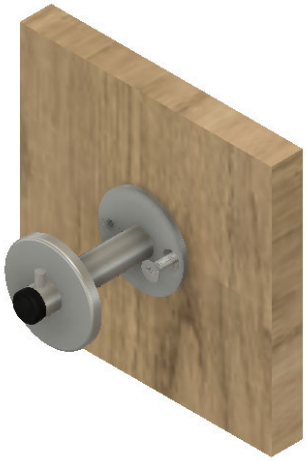
F. Continued with Back-To-Back Door Pulls. Assemble the small flat back plates to the door pull with the flat head sheet metal screws provided being certain to use the countersunk holes as shown. Drill ¼" clearance holes through the door using the holes in the back plate as a template. The door pull assembly with the back plates should be used on the inside of the stall. Assemble the 2 door pulls together with the machine screws through the clearance hole in the door.



Inside of stall

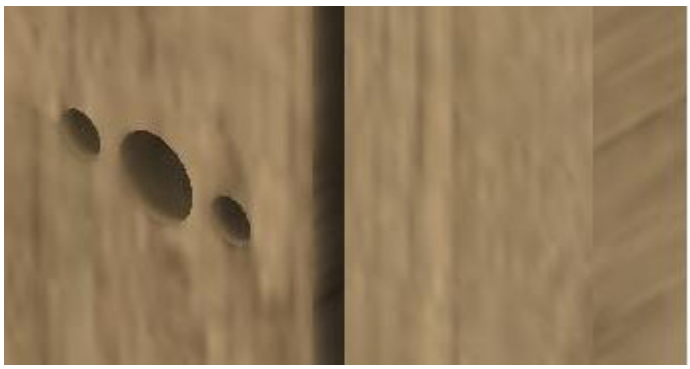
Outside of stall

G. Door bumpers are provided for outswing doors near a wall or adjacent stall up to and including a 6" wide pilaster as indicated on the layout drawings with the "DB1" symbol. See Detail "N".

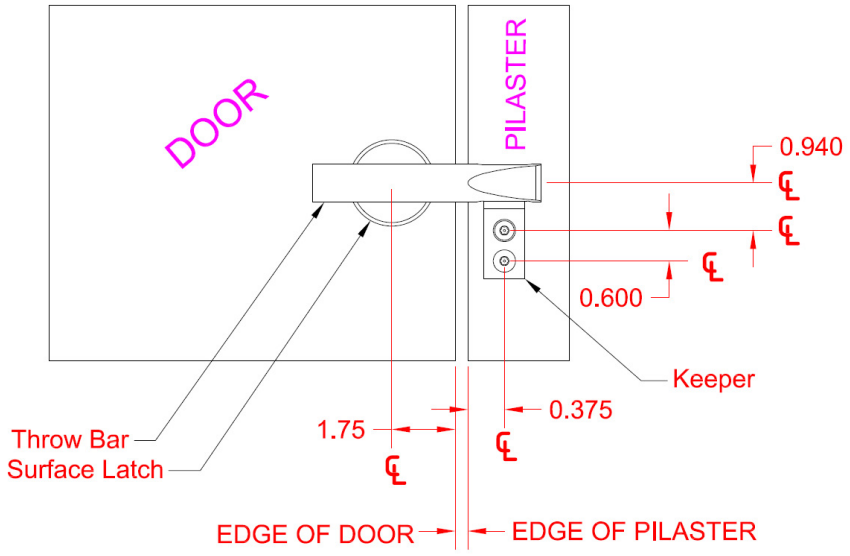


Detail "N"

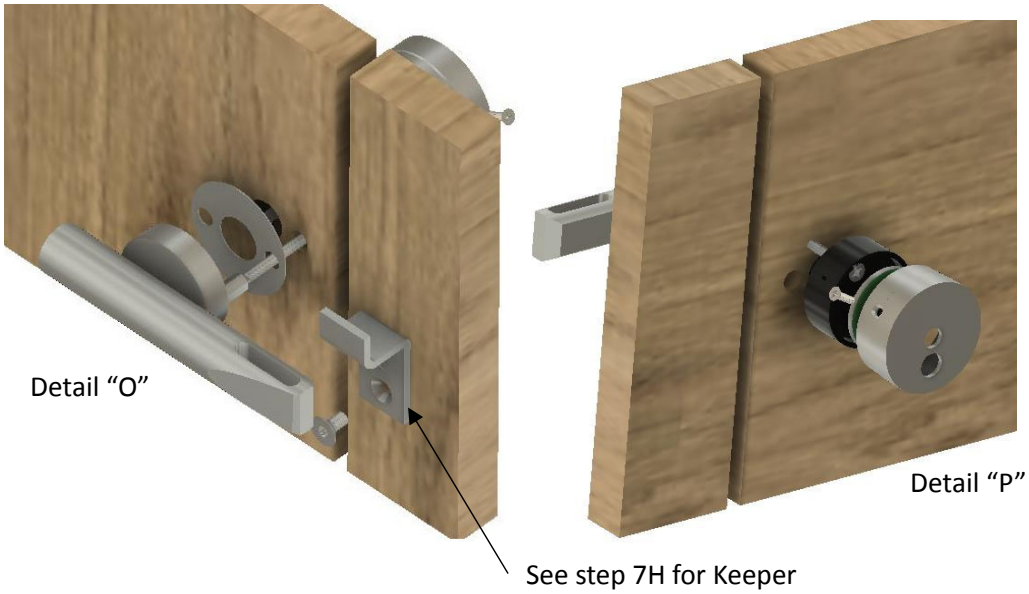
H. The door latch is provided with a drilling template inside the box. Position the paper template on the inside face surface of the door with the centerline of the larger hole 1¾" from the edge of the door. The height can be located in the field as required. Then predrill clearance holes through the door.



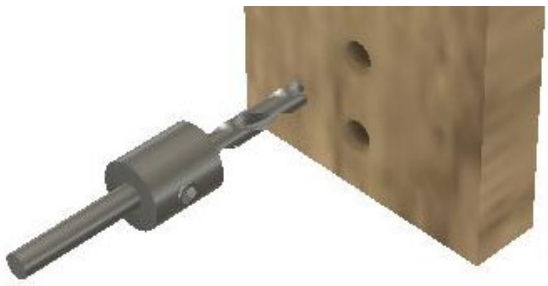
VIEW FROM INSIDE THE STALL



Assemble the latch with machine screws to attach the inside (Detail “O”) and outside (Detail “P”) portions together.



I. Position the keeper on the pilaster being certain to align it properly with the throw bar from the latch on the door. See previous detail for layout and dimensions. Mark the pilaster where the holes are on the keeper. Then predrill .460 deep pilot holes using the special drill tool provided. Fasten the keeper in place with #12 x 7/16" fasteners provided being certain to tighten the screws all the way to fully engage them into the phenolic material. **IMPORTANT** Do NOT use an impact driver.



J. Thin, soft felt door bumpers are provided to cushion the impact when a door closes against the pilaster. It is VERY important, BEFORE adhering these, to clean the surface to remove all dirt and oils. You must also clean your hands to ensure that you don't transfer any dirt or oils to the glued surface of the felt.

STEP 8 - CARE AND MAINTENANCE

A. All surfaces must be kept clean with water and mild soap solution.
B. Water left on units for extended periods of time will damage surface. The finish must be wiped dry following cleaning.
C. In high humidity areas, the rooms must be properly ventilated.
D. For maximum protection, periodic applications of good quality car wax will be beneficial for powder shield materials.

QUESTIONS?

A. The last page has a list of part numbers for all of the Solitude headrail and hardware items with extended descriptions to help you better understand each item on your packing list.
B. In the unlikely event that you need further help, you have several resources. First, contact the Partition Stalls representative from which you purchased the materials. They are best equipped to assist you.
C. Another quick and easy source of information is the Partition Stalls internet web site. Here you'll find a wealth of information, details, specifications, technical support and so much more! Our URL address is http://www.partitionstalls.com or send e-mail to info@partitionstalls.com

Solitude Part Numbers

Item	Description	Extended description 1
10299	Ss Headrail Support Bkt ½"	Support Bkt For 7/8" Tube Over ½" Panel
10300	Ss Headrail Tube Support Bkt ¾	Support Bkt For 7/8" Tube Over ¾" Stile
10301	Ss Headrail Tube 7/8" X 78¾"	7/8" Round Ss Headrail Tube
10302	Ss Headrail Tube 7/8" X 48"	7/8" Round Ss Headrail Tube
10303	Ss Headrail Tube 7/8" X 73"	7/8" Round Ss Headrail Tube
10304	Ss Headrail Tube 7/8" X 96"	7/8" Round Ss Headrail Tube
10305	Ss Headrail Tube 7/8" X 108"	7/8" Round Ss Headrail Tube
10306	Ss Headrail Tube 7/8" X 120"	7/8" Round Ss Headrail Tube
10307	Ss Headrail Tube L Connector	End Bkt Connects Front & End Headrail
10308	Ss Surf Latch/keep W/indicator	Ss Surface Latch & Keeper W/indicator
10309	Ss Rhi/lho Surf Hinge W/cover	Ss Rhi/lho Surface Hinge With Cover
10310	Ss Lhi/rho Surf Hinge W/cover	Ss Lhi/rho Surface Hinge With Cover
10311	Ss Headrail Tube Wall Mtg Brkt	Wall Brkt For 7/8" Round Headrail Tube
10312	Ss Pedestal 4½"x½" 1-side Euro	1-side 1/2" Panels Outside Applications
10313	Ss Pedestal 4½"x½" 2-side Euro	2-sides 1/2" Panels Inside Applications
10314	Ss Pedestal 4½x¾" 1-side Euro	1-side 3/4" Stiles Outside Applications
10315	Ss Pedestal 4½"x¾" 2-side Euro	2-sides 3/4" Stiles Inside Applications
10316	#12x7/16" Ss Pan Hd Torx Tip 6	Ss Pan Head Torx Blunt Tip 6 Fastener
10317	Ss Door Pull 6¾" Euro	Stainless Steel Door Pull 6-3/4"
10318	Ss Headrail Tube T Connector	T-Brkt connects perpendicular headrail
10319	Ss Coat Hook & Bumper Euro	Stainless Steel Coat Hook & Bumper Euro
10320	Ss Door Bumper Euro	Stainless Steel Door Bumper Euro
10321	Ss Rhi/lho Surf 3-hinges &covr	Ss Rhi/lho Surface 3 Hinges 2 Cam &cover
10322	Ss Lhi/rho Surf 3-hinges &covr	Ss Lhi/rho Surface 3 Hinges 2 Cam &cover
10323	#12x7/16" Ss Flat Hd Torx Tip6	Ss Flat Head Torx Tip 6 Fastener
10324	Sp Solitude ½" F-length U-bkt	Solitude Screw Pack 1/2" #148 U-Brkt 77"
10325	Sp Solitude ¾" F-length U-bkt	Solitude Screw Pack 3/4" #148 U-Brkt 77"
10326	Sp Solitude #157 F-length Bkt	Solitude Screw Pack #157 Alcove Brkt 77"
10327	Sp Solitude Full Length ½" Bkt	Solitude Screw Pack 1&2-ear Or Angles
10328	Sp Solitude Full Length ¾" Bkt	Solitude Screw Pack 1&2-ear Or Angles
10329	Ss Pedestal 9"x½" 2-side Euro	2-sides 1/2" Panels Inside Applications
10330	Ss Pedestal 9x¾" 1-side Euro	1-side 3/4" Stiles Outside Applications
10331	#10x7/16 Ss Flat Hd Torx Tip	Ss Flat Head Torx Tip Fastener
10332	Ss Headrail Tube 7/8" X 61"	7/8" Round Ss Headrail Tube
10333	#10 X ¾" Ss Flat Hd Torx Tip	Ss Flat Head Torx Tip Fastener
10334	Ss Headrail Tube 7/8" X 240"	7/8" Round Ss Headrail Tube
10335	Sp Solitude Whus ½" Bkt	Solitude Screw Pack 1&2-ear Or Angles
10336	Ss Solitude Ehr Kit	End Headrail Kit For Solitude
10337	Headrail Tube Coupling ¾" Dia	Used On 7/8" Round Ss Headrail Tube
10338	Allen Key 3mm	
10339	Drill #20	#20 Drill Bit
10340	Drill Stop #20 W/set Screws	Drill Stop #20 W/set Screws
10341	Drill Assembly #20 W/stop	#20 Drill Bit Assy W/stop & Set Screws
10342	Headrail Coupling Kit	Metal coupling to attach 2pcs of headrail
10343	Ss Euro Door Pull Back Plate	
10344	Ss Door Pull Back-to-back Euro	
10346	#8-32 x 7/16" Flat Hd Torx Tip-6	
12639	Angle Ss ½ x 2¼ X 77 Paper Out	Used on 1-ear conditions
12646	#148 Ss 1/2" Fl U-bkt 77"	S/S Full length #148 U-Bracket 1/2" x 77"
12647	#148 Ss 3/4" Fl U-bkt 77"	S/S Full length #148 U-Bracket 3/4" x 77"
12648	#157 Ss Offset Brkt 3" X 77"	Full Length #157 Offset Alcove Bracket
12666	Angle Ss 1x2¼ X 77 Paper In	
12666A	Angle Ss 1x2¼ X 77 Paper Out	paper Out ~ Angle Bent Backwards
12692	Ss Solitude Splice ¾" X 12"	Join 2 Large Panels With Slot For Splice
10907SX	#8-32 X 7/16 Flathead Ms Ss	
10908SX	#8-32 X 1¼ Panhead Ms Ss	