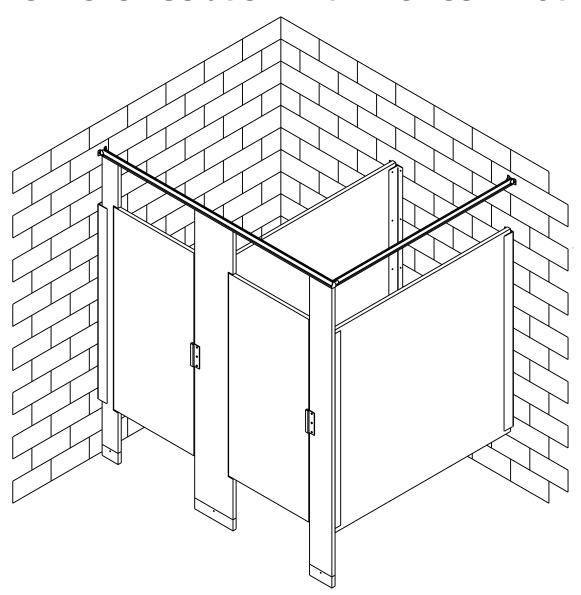
Direct Partitions & Lockers

P.O. Box 20, Dunmore, Pennsylvania 18512 Phone: 1-800-969-0623 Fax: (570) 347-6225 Website: www.directpartitionsandlockers.com Solid Plastic Toilet Partition, Vanities, Lockers & Locker Room Benches

The Proven Solution With The Look That Lasts



Installation Instructions for Direct Partitions Toilet Partitions

IMPORTANT: THE INSTRUCTIONS CONTAINED IN THIS BOOKLET
ARE FOR TYPICAL WALL, FLOOR AND CEILING CONDITIONS
ALLOWING FOR THE USE OF #14 SCREWS AND PLASTIC
ANCHORS. TYPICAL CONDITIONS MAY BE ONE OF THE
FOLLOWING: WOOD BACKING, BLOCK, CONCRETE OR METAL STUDS.
SITUATIONS WHICH HAVE ALTERNATIVE REQUIREMENTS ARE THE
RESPONSIBILITY OF THE CONTRACTOR AND/OR THE INSTALLER.

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INSTALLATION OF VANITY
INSTALLATION OF LOCKER BENCH

TOOL LIST

Level

Chalkline

Tape Measure

Hacksaw

Screwdrivers, Straight Blade

(A screw gun makes the job easier.)

FASTENERS

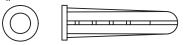
1/4" (10-24) TORX THRU-BOLT ST/ST



#14 x 1 1/2" TORX PAN SMS ST/ST



#14-16 PLASTIC SCREW ANCHOR



#14 x 3/4" TORX PAN SMS ST/ST



#8 x 1" FLAT PHILLIPS SMS ST/ST



1 7/16 (10-24) ROUND TORX MACHINE SCREW ST/ST



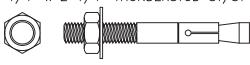
#12 x 3/4" FLAT PHILLIPS SMS ST/ST



#14 x 2 1/2" TORX PAN SMS ST/ST



1/4" x 2 1/4" THUNDERSTUD ST/ST







Drill

1/8, 3/16 and 1/4 drill bits 5/16 masonry drill bit 14" x 14" x 14" Spacer block

SEX BOLTS

Used for the attachment of the following to panels, doors and pilasters: wall brackets, strikes, wrap around hinges, headrail brackets and wall stops.

#14 SCREW

Used for the attachment of the following to walls and floors: wall brackets, pilaster shoes and headrail brackets. Also for pedestal to locker bench.

PLASTIC ANCHOR

Used with #14 screws for wall and floor attachments.

3/4" SCREW

Used for the installation of shower seats, vanities, shower cubicles and shelves. Used for the attachment of the following to panels, doors and pilasters: wall brackets, headrial, coat hooks, latches, pilaster shoes and wall stops.

HINGE SCREW

Used to attach wrap around hinges to edges of doors and pilasters.

EXTRA LONG SEX BOLT

Used to attach door pulls and latches to outswing doors.

#12 SCREW

Used to attach surface mount strikes to pilasters and walls.

2 1/2" SCREW

Used to attach surface mount pilasters to walls.

THUNDERSTUD

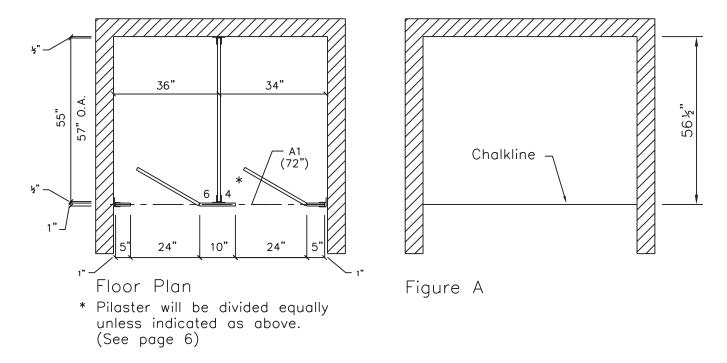
Used to attach locker room bench pedestals to the floors.

T-30 TORX BIT

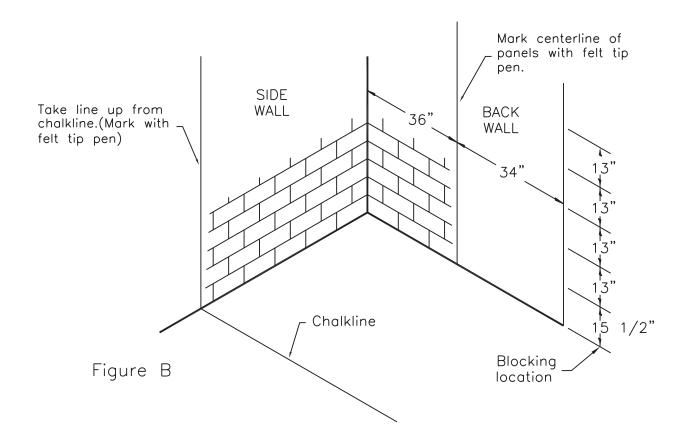
Used to install Torx head screws

Layout

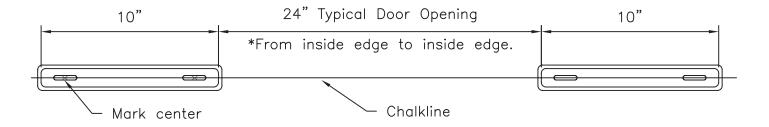
Using floor plans, measure out from both ends of unit 1/2" less than overall depth (Figure A) to determine centerline of pilasters. Place a chalkline at this location.



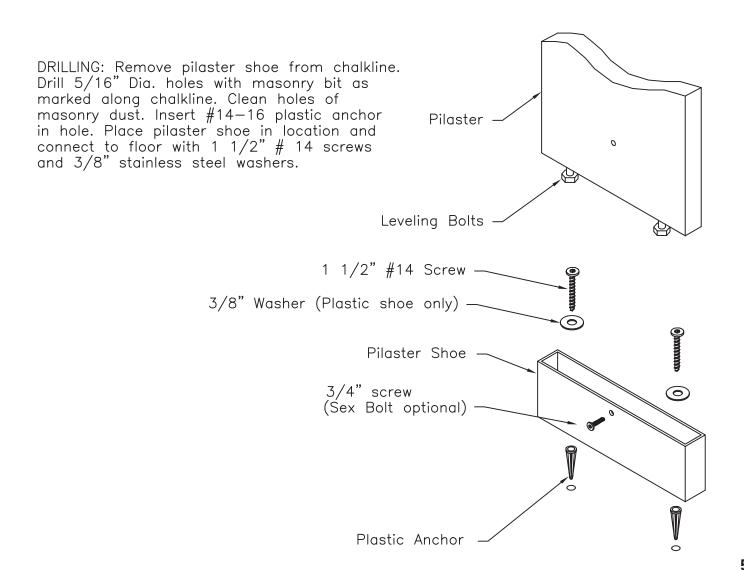
Using floor plans, locate panel centerlines on back wall (Figure B).



DETERMINING LOCATIONS FOR DRILLING: Determine pilaster shoes exact location per floor plan. All pilaster widths and door opening sizes are measured from the inside edge of the pilaster shoe to the inside edge of the next pilaster shoe.



Using a felt tip pen, carefully mark center of elongated holes. Care in marking holes will allow for adjustment later.

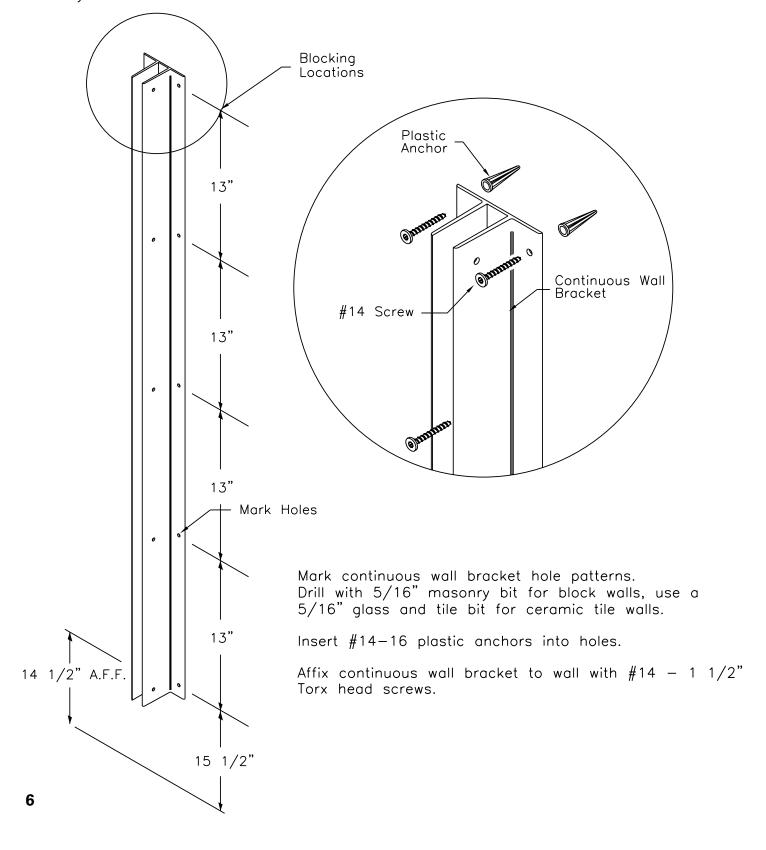


INSTALLATION OF CONTINUOUS WALL BRACKETS

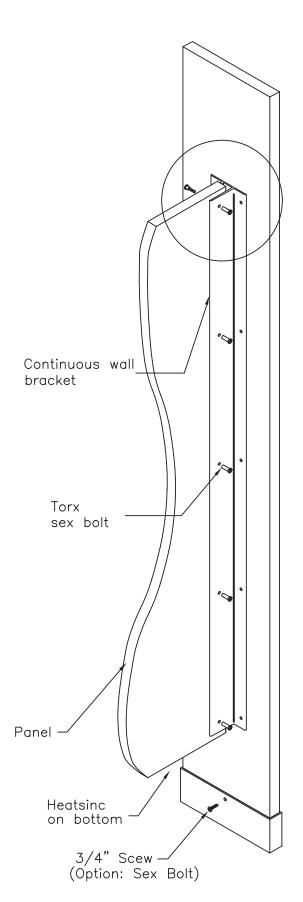
Distribute appropriate continuous wall brackets (Single Ear or Double Ear) to their respective approximate locations.

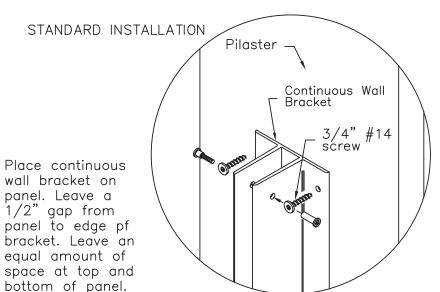
Utilizing each individual continuous wall bracket as a template, align the hole pattern between the flanges with the previously marked panel centerline.

IMPORTANT: Do not interchange or flip continuous wall brackets as the hole patterns may not match.



Place a 14" block midway between the wall and pilaster shoe. Place panel on block and in flanges of the continuous wall bracket. Leave a 1/2" gap between the panel and wall (1/2" std. gap may vary). Continuous wall bracket Shim between block and panel as required to level panel. Using continuous wall bracket as guide, drill 1/4" holes through panel and opposite flange of continuous wall bracket. Torx Attach panel to continuous wall sex bolt bracket with Torx sex bolts. NOTE! Heatsinc (aluminum edging) to be installed on bottom of panel. Panel -14" A.F.F. Heatsinc on bottom -14" Block





Using continuous wall bracket as guide, drill 1/4" holes through panel and opposite flange of continuous wall bracket.

Attach continuous wall bracket to panel with Torx sex bolts.

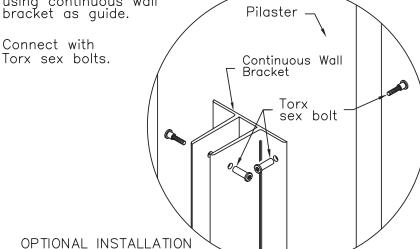
Place pilaster in shoe and rest against continuous wall bracket. With pilaster level and plumb drill 3/16" pilot holes 1/2" deep. DO NOT DRILL THROUGH PILASTER.

Connect with 3/4" #14 screws.

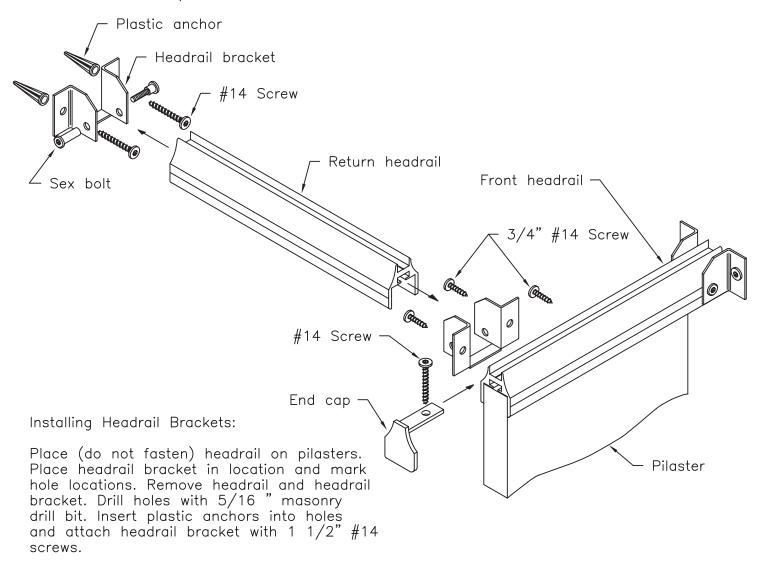
Do not drill holes between the flanges.

OPTIONAL INSTALLATION:

Place pilaster in shoe and rest against continuous wall bracket. With pilaster level and plumb drill 1/4" holes through pilaster using continuous wall bracket as guide.



INSTALLING HEADRAIL, HEADRAIL BRACKETS AND END CAPS



When attaching headrail bracket to headrail follow previous steps and fasten with 3/4" Screw. DO NOT DRILL THROUGH PILASTER.

Installing Headrail To Pilasters:

Place headrail on pilasters and in headrail brackets. Drill 3/16" pilot hole 1/2" deep using headrail bracket as template. Fasten with 3/4" screw.

Drill 3/16" pilot hole 1/2" deep at each pilaster and headrail. Fasten with 3/4" screw.

Installing End Cap:

Place end cap in place and mark hole location. Remove end cap and drill 1/4" hole through headrail. Drill 3/16" pilot hole 1" deep into pilaster. Attach end cap with 1 1/2" #14 screw.

INSTALLATION OF INTEGRAL HINGE DOORS

Insert top portion of helix pin into bottom of door with the peak and valley of helix inline with the door.

Tap pin into door until 3/4" of stainless steel pin is left exposed.

Drill 1/8" hole into edge of door 2 1/2" from bottom through the nylon portion of helix pin 2" +/- deep.

Set roll pin partially in place leaving 1/8" exposed in case removal for readjusment is required.

Insert bottom portion of helix pin into bottom of pilaster leaving 1 1/4" exposed. Rotate pin until door angle of rest is obtained (Figure "A").

Drill 1/8" hole 2" down from door cutout 2" +/- deep.

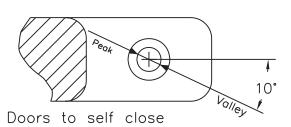
Set roll pin partially in place leaving 1/8" exposed in case removal for readjusment is required.

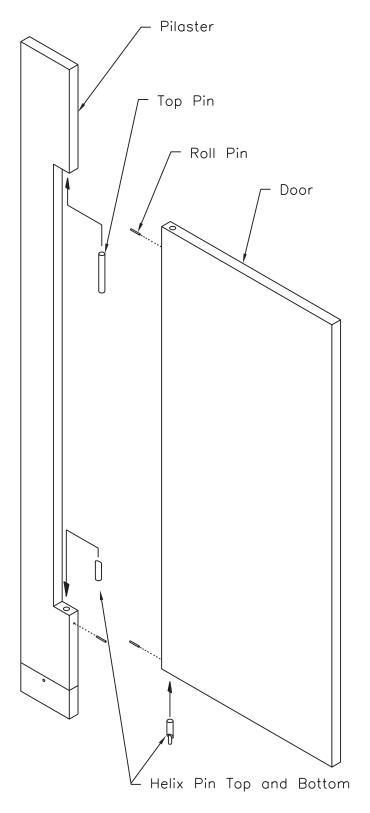
Insert top pin into top hole provided in pilaster. Leave approximately 1/8" of pin exposed.

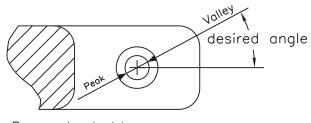
Mount door onto helix pin. Align top hinge pin with hole in top of door. Slide top pin into hole in top of door (using the edge of utility knife will ease the process.

Drill 1/8" hole in top edge of door 1" down from top through top pin 2" +/- deep. Insert roll pin in hole to secure door in place.

Once door is attached and working properly drive all roll pins flush.







Doors to hold open

FIGURE "A" (Left hand in door used as example)

Insert top portion of helix pin into bottom of door with the peak and valley of helix inline with the door.

Tap pin into door until 3/4" of stainless steel pin is left exposed.

Drill 1/8" hole into edge of door 2 1/2" from bottom through the nylon portion of helix pin 2" +/- deep.

Set roll pin partially in place leaving 1/8" exposed in case removal for readjusment is required.

Insert bottom portion of helix pin into bottom of pilaster leaving 1 1/4" exposed. Rotate pin until door angle of rest is obtained (Figure "A").

Drill 1/8" hole 2" down from door cutout 2" +/- deep.

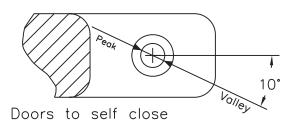
Set roll pin partially in place leaving 1/8" exposed in case removal for readjusment is required.

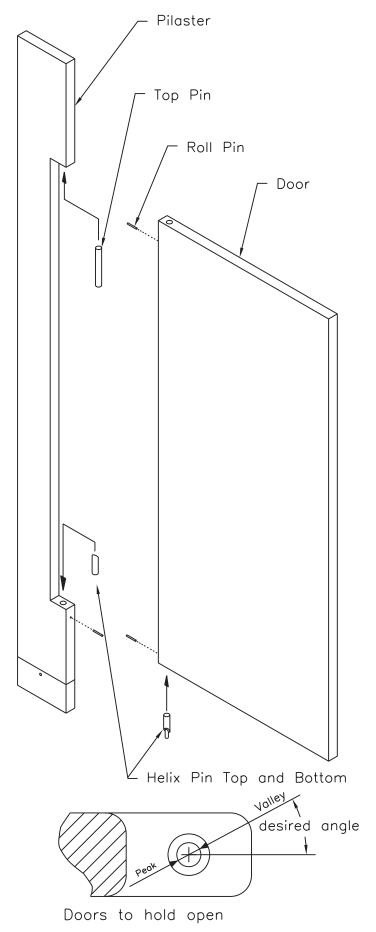
Insert top pin into top hole provided in pilaster. Leave approximately 1/8" of pin exposed.

Mount door onto helix pin. Align top hinge pin with hole in top of door. Slide top pin into hole in top of door (using the edge of utility knife will ease the process.

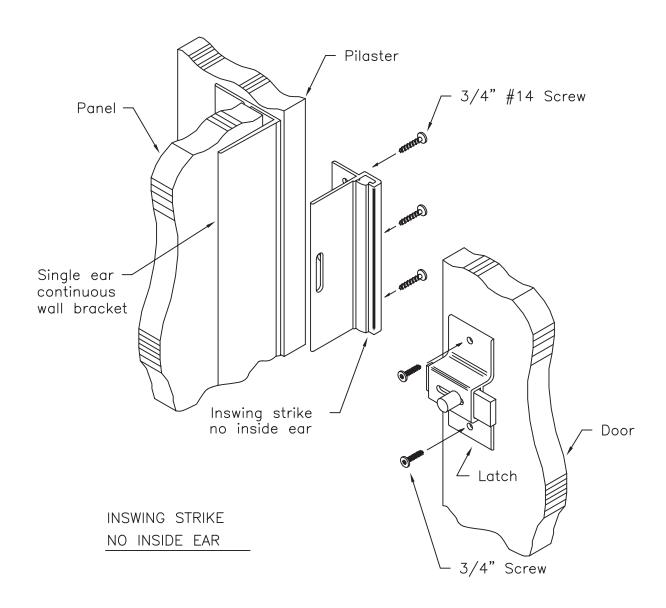
Drill 1/8" hole in top edge of door 1" down from top through top pin 2" +/- deep. Insert roll pin in hole to secure door in place.

Once door is attached and working properly drive all roll pins flush.





<u>FIGURE</u> "A" (Left hand in door used as example)



INSTALLING STRIKE:

Position strike on pilaster with bottom of strike 36 3/4" A.F.F. (Mount standard 2" strike 38" A.F.F.) Using strike as template mark holes. Remove strike and drill holes with 3/16" drill bit 3/4" deep. Attach strike to pilaster using (3) #14 3/4" phillips head screws.

INSTALLING LATCH:

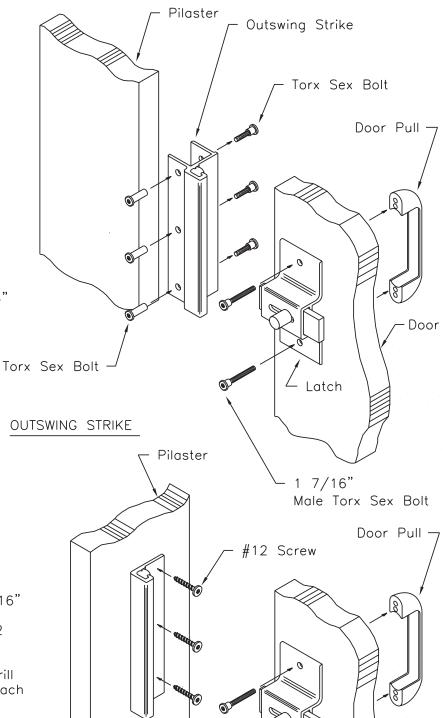
Position latch on door centering slide bar with center of slot. Use latch as template and mark both holes. Remove latch and drill holes with 3/16" pilot holes 1/2" deep. DO NOT DRILL THROUGH PILASTER. Connect with 3/4" screws.

INSTALLING STRIKE:

Position strike on pilaster with bottom of strike 36 3/4" A.F.F. (Mount standard 2" strike 38" A.F.F.) Ùsing strike as template mark holes. Remove strike and drill holes with 1/4" drill bit. Attach strike to door with Torx sex bolts.

INSTALLING LATCH AND DOOR PULL:

Position latch on door centering slide bar with strike. Use latch as template and mark both holes. Remove latch and drill holes with 1/4" drill where marked. Through bolt latch to door pull using 1 7/16" Male Torx sex bolts.



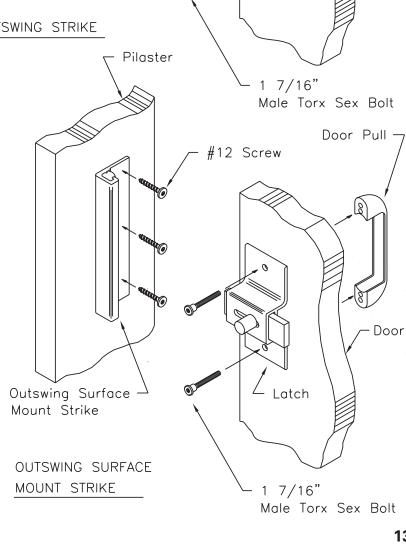
INSTALLING SURFACE MOUNT STRIKE:

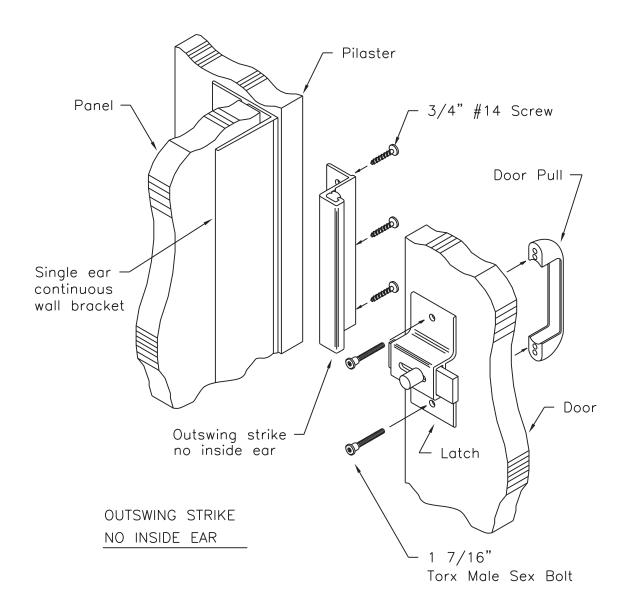
Position strike on pilaster with bottom of strike 36 3/4" A.F.F. (Mount standard 2" strike 38" A.F.F.) Ùsing strike as template mark holes. Remove strike and drill holes with 3/16" drill bit 3/4" deep. Attach strike to pilaster using (3) #12 3/4" flat head screws.

NOTE: When attaching strike to wall drill holes in wall using 5/16" drill bit. Attach strike to wall using (3) #12 1 1/2" head screws and plastic anchors.

INSTALLING LATCH AND DOOR PULL:

Position latch on door centering slide bar with strike. Use latch as template and mark both holes. Remove latch and drill holes with 1/4" drill where marked. Through bolt latch to door pull using 1 7/16" male Torx sex bolts.





INSTALLING STRIKE:

Position strike on pilaster with bottom of strike 36 3/4" A.F.F. (Mount standard 2" strike 38" A.F.F.) Using strike as template mark holes. Remove strike and drill holes with 3/16" drill bit 3/4" deep. Attach strike to pilaster using (3) #14 3/4" phillips head screws.

INSTALLING LATCH AND DOOR PULL:

Position latch on door centering slide bar with strike. Use latch as template and mark both holes. Remove latch and drill holes with 1/4" drill where marked. Through bolt latch to door pull using 1 7/16" male sex bolts.

INSTALLING WALL STOP (Outswing Doors Only)

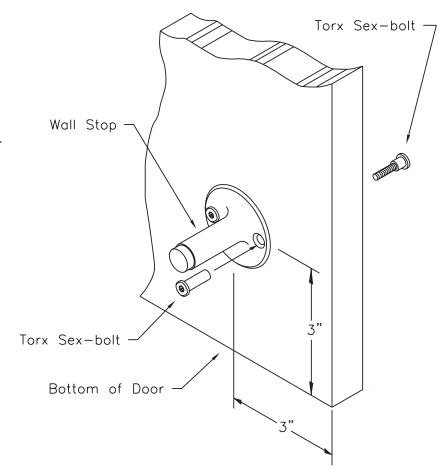
Installing Wall Stop on Door:

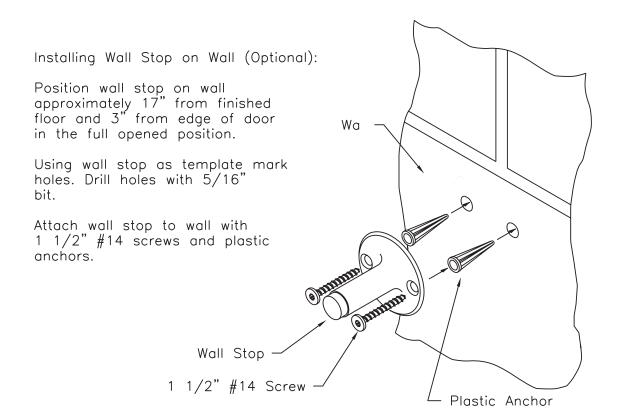
Position wall stop on door approximately 3" from the edge and 3" from the bottom.

Drill 1/4" holes through door using wall stop as template.

Attach to door with Torx sex-bolts.

NOTE! Position wall stop as required by existing wall conditions.





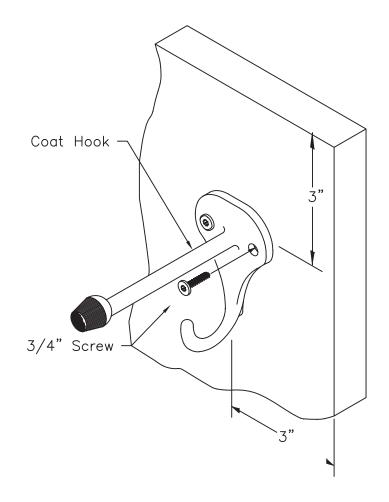
Installing Coat Hook on Door:

Position coat hook on door approximately 3" from the edge and 3" from the top.

Drill 3/16" pilot holes. DO NOT DRILL THROUGH DOOR.

Attach to door with 3/4" screws.

NOTE! Position coat hook as required by local codes

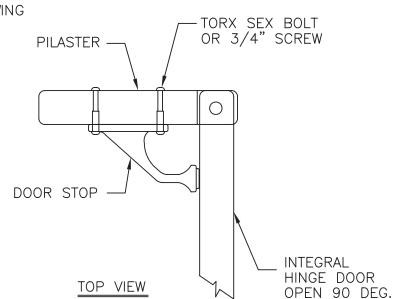


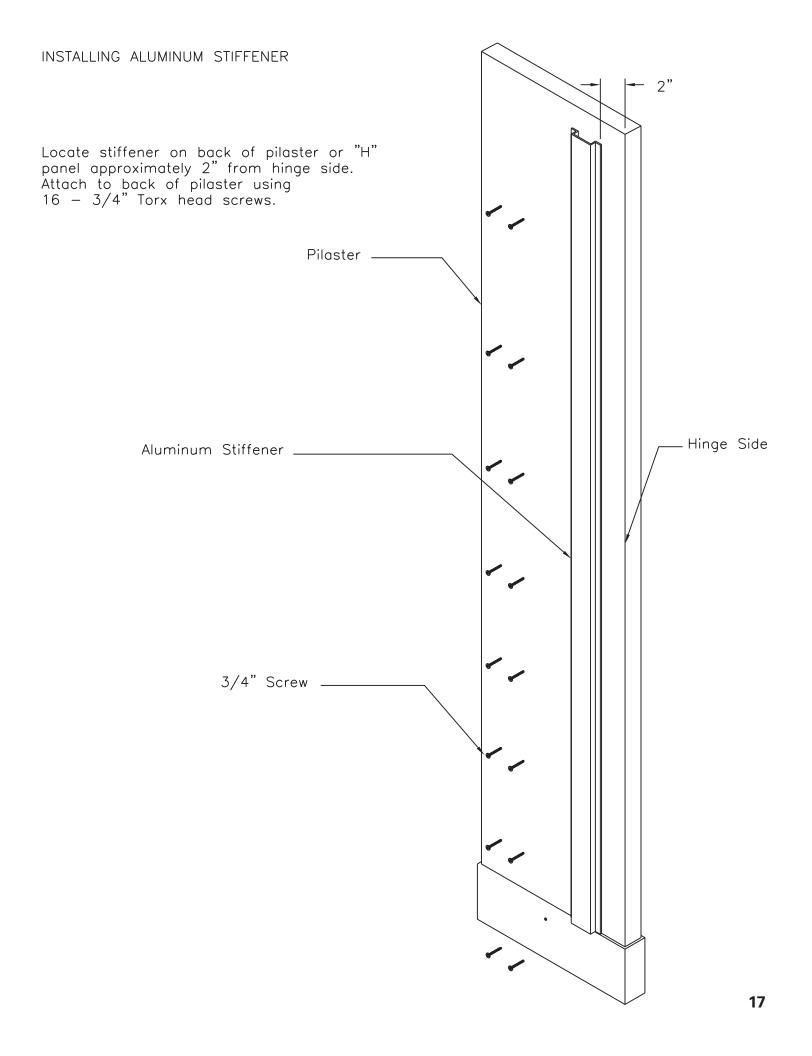
INSTALLATION OF DOOR STOP FOR OUTSWING INTEGRAL HINGE DOORS

Locate door stop on pilaster 2" down from top of door and the base 1 1/4" from edge of integral hinge cut out.

Using holes in door stop as template drill 1/4" dia holes for Torx Sex Bolt

Attach door stop to pilaster with Sex Bolt. If interfrence with wall bracket will occur, connect door stop to pilaster using 3/4" #14 screw.





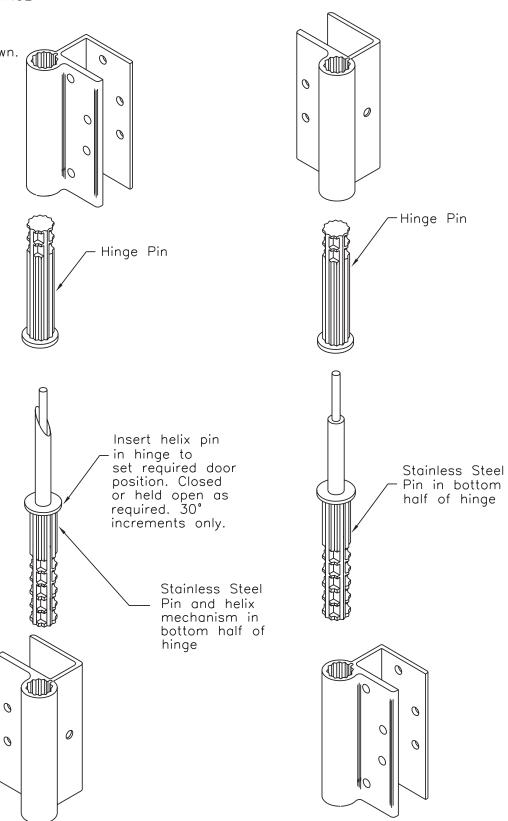
ASSEMBLING WRAP AROUND HINGE (8" hinge)

Assemble hinge parts as shown.

Stainless Steel pins placed in bottom portion of each hinge.

Set helix in hinge to achieve required closing action or to hold open at desired degree.

Santana recommends all doors larger than 30" set to closed position.



HINGE ASSEMBLY TOP

HINGE ASSEMBLY BOTTOM

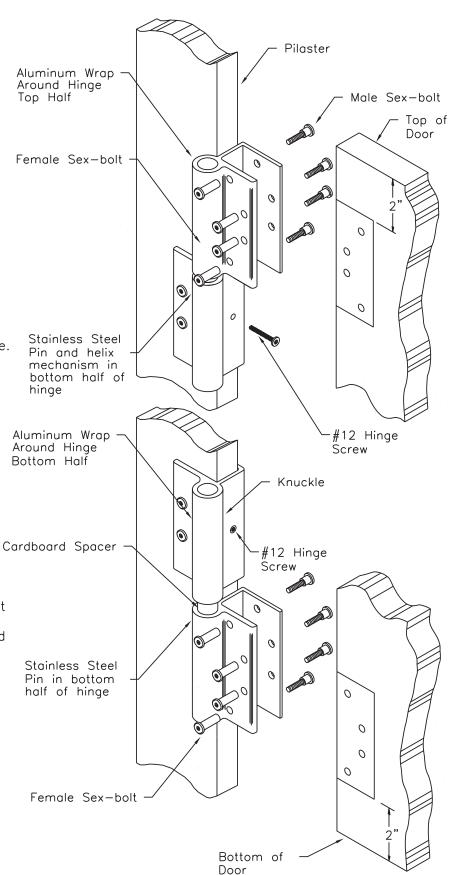
INSTALLING WRAP AROUND HINGE (8" hinge)

NOTE! When mounting hinges to door ,DO NOT, remove rubber bands or cardboard spacers from hinge assemblies. (Hinge designation is marked on the inside of hinge).

- 1. Mount top hinge 2" from top of door using Torx sex-bolts and #12 hinge screw. (Install hinge screw first to insure hinge is tight to door). 2. Mount bottom hinge 2" from
- bottom of door. 3. Using a 14" spacer block, set door in fully closed position. Holding door and hinge assembly firmly against pilaster, make sure assembly is fully compressed. Drill holes, using hinge as template. MAKE SURE CARDBOARD SPACER IS INTACT.
- 4. Fasten door to pilaster using Torx sex-bolts and #12 hinge screws provided. Remove cardboard spacer.

NOTE! Premature removal of cardboard spacer can be fatal to satisfactory door operation, since spacer guarantees sufficient room for helix mechanism to operate. Compensation is required because door rises as it is opened.

Helix mechanism should be top part of hinge when mounted to the door. Knuckle of hinge is toward inside of stall for inswing door, toward outside of stall for outswing door.

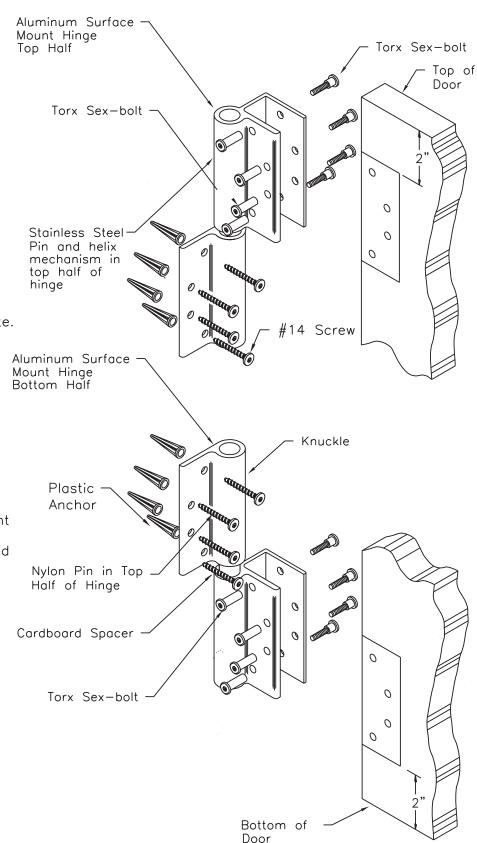


NOTE! When mounting hinges to door ,DO NOT, remove rubber bands or cardboard spacers from hinge assemblies. (Hinge designation is marked on the inside of hinge).

- 1. Mount top hinge 2" from top of door using Torx sex-bolts and #12 hinge screw. (Install hinge screw first to insure hinge is tight to door).
- 2. Mount bottom hinge 2" from bottom of door.
- 3. Using a 14" spacer block, set door in fully closed position. Holding door and hinge assembly firmly against wall, make sure assembly is fully compressed. Mark holes, using hinge as template. MAKE SURE CARDBOARD SPACER IS INTACT.
- 4. Drill holes in wall using 5/16" masonry bit. Insert plastic anchors and attach hinge to wall with 1 1/2" # 14 screws.

NOTE! Premature removal of cardboard spacer can be fatal to satisfactory door operation, since spacer guarantees sufficient room for helix mechanism to operate. Compensation is required because door rises as it is opened.

Helix mechanism should be top part of hinge when mounted to the door. Knuckle of hinge is toward inside of stall for inswing door, toward outside of stall for outswing door.



INSTALLING FLOOR TO CEILING PILASTERS

Locate pilaster centerline on both the floor and the ceiling. Determine 15/16" x 3" stainless steel "L" bracket locations per floor plan. ("L" brackets are 1/2" less in width than pilaster width).

Place 15/16" x 3" "L" brackets on pilaster centerline and mark center of elongated holes.

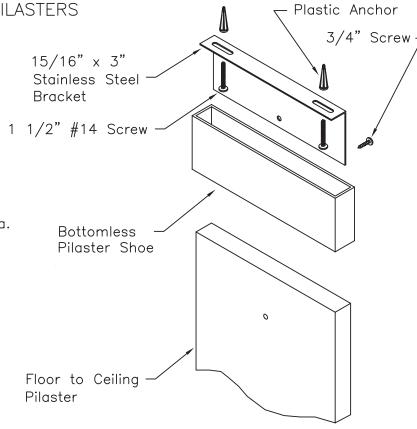
Remove "L" bracket and drill 5/16" Dia. hole. Insert #14-16 plastic anchor in hole. Place "L" bracket in place and fasten with $1 \ 1/2$ " #14 screws.

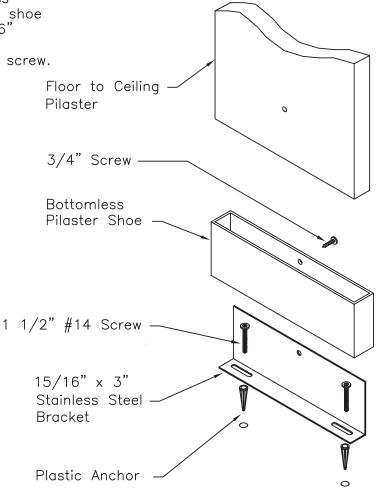
Repeat above steps for all floor and ceiling connections.

Place bottomless pilaster shoes on pilaster and tape on pilaster out of the way.

Attach pilaster to panel or wall according to standard pilaster installation instructions.

With pilaster in place, slide bottomless pilaster shoe into place. Drill through shoe & "L" bracket into pilaster. Drill 3/16" pilot hole 1/2" deep. DO NOT DRILL THROUGH PILASTER. Attach with 3/4" screw.





Locate ceiling bolt locations per shop drawings.

Mark bolt locations on beam in ceiling. Drill holes in beam using a 3/8" metal bit. Insert 3/8" tap bolt (provided) into beam. Using washers and nuts tighten bolt to beam.

NOTE: Leave 2" of bolt exposed below the finished ceilng. Threaded rod may be substituted depending upon field requirements.

Thread nut onto bolt up to finished ceiling. Place lock washer on bolt.

Position ceiling bracket onto panel and slide up towards ceiling inserting bolts through ceiling bracket. Place washer and nut onto bolt. Level bracket using opposing hex head nuts. Tighten all bolts.

Torx
Sex Bolt-

Using ceiling bracket as template drill holes through panel and fasten with torx sex bolts.

Slide pilaster into ceiling bracket so bottom of pilaster is 14" A.F.F.

Check pilaster for proper left and right offsets (see shop drawings).

Using holes in ceiling bracket as template drill 3/16" pilot holes 1/2" deep. DO NOT DRILL THROUGH PILASTER. Attach with 3/4" screws.
(Sex Bolt top of bracket)

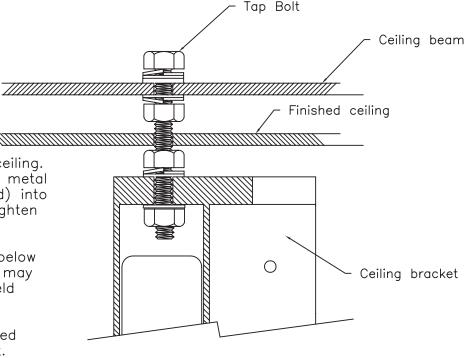
Insert filler panel in back of ceiling bracket from top of panel to ceiling. Using bracket as template drill holes and attach with torx sex bolts.

Note: Ceilng brackets come in three sizes only:

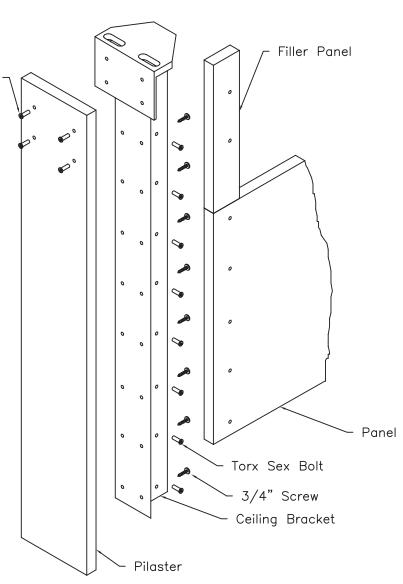
6" (4" bolt centers) 8" (6" bolt centers)

10" (8" bolt centers)

Bracket location depends upon pilaster offset not pilaster size. See bolt location drawings for bolt centers.



DETAIL AT CEILING



Attach 15/16" x 3" "L" bracket to exposed ceiling bolts flush to ceiling with washers and hex head nuts.

Place ceiling shoe on pilaster, do not attach. Place pilaster into wall bracket leaving the indicated space between edge of pilaster and side wall and 14" A.F.F.

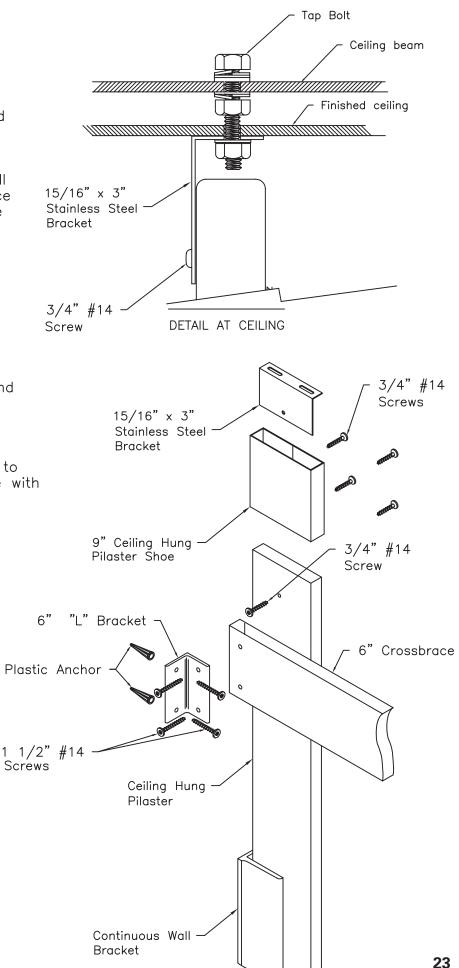
Using wall bracket as guide drill 3/16" pilot holes 1/2" deep. DO NOT DRILL THROUGH PILASTER. Attach with 3/4" screws.

Attach plaster to 15/16" x 3" "L" bracket with 3/4" #14 screw.

Slide ceiling shoe up to ceiling and attach to pilaster from back side with 3/4" #14 screws.

Level and attach 6" crossbracing to pilaster directly below ceiling shoe with 1 1/2" # 14 screws.

Attach 6" crossbracing to wall with 6" aluminum "L" bracket.

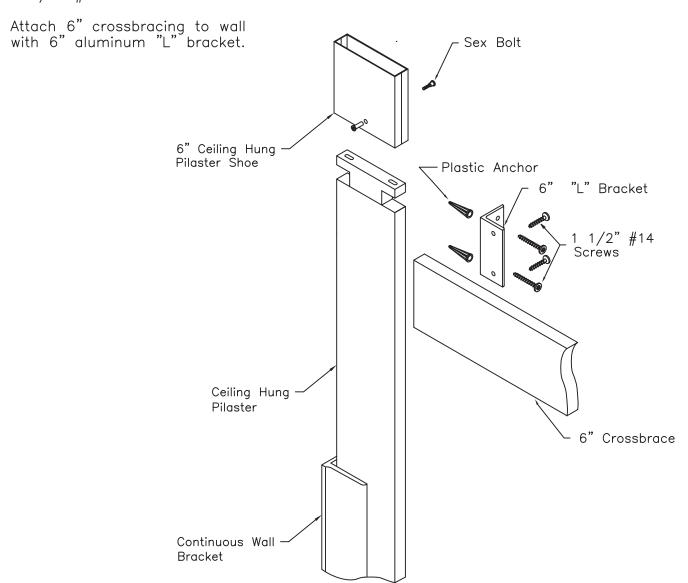


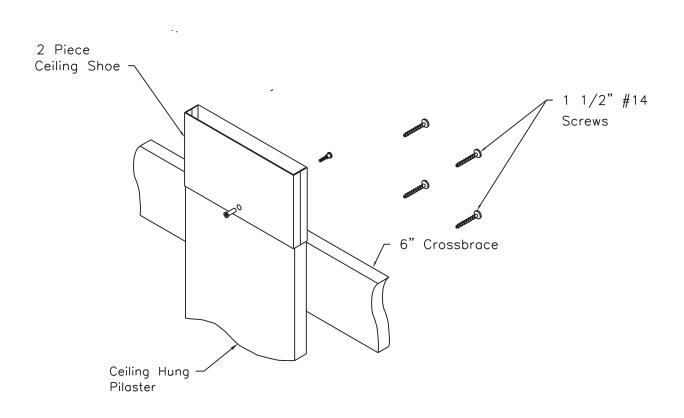
Place pilaster into wall bracket leaving the indicated space between edge of pilaster and side wall. Slide pilaster up towards ceiling onto ceiling bolts. Attach and level pilaster using opposing hex head nuts.

Using wall bracket as guide drill 3/16" pilot holes 1/2" deep. DO NOT DRILL THROUGH PILASTER. Attach with 3/4" screws.

Attach two piece 6" high shoe to pilaster with Torx sex bolt.

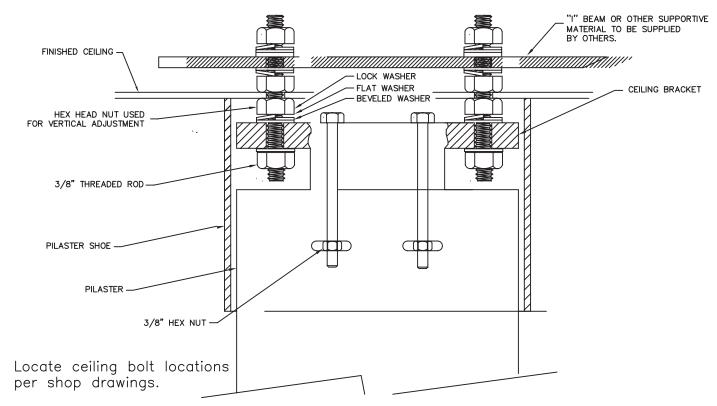
Level and attach 6" crossbracing to pilaster directly below ceiling shoe with $1 \ 1/2$ " # 14 screws.





Attach two piece ceiling shoe to pilaster with Torx sex bolt.

Attach crossbracing to pilaster directly below ceiling shoe and attach from back using four 1 1/2" #14 screws.



Mark bolt locations on beam in ceiling. Drill holes in beam using a 3/8" metal bit. Insert 3/8" tap bolt (provided) into beam. Using washers and nuts tighten bolt to beam.

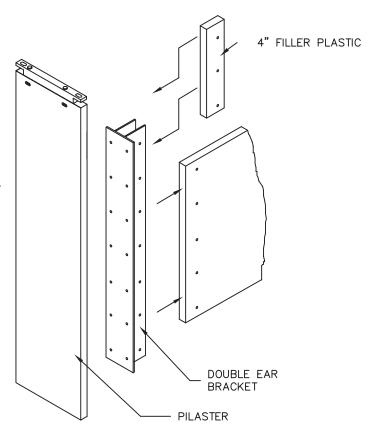
NOTE: Leave 2" of bolt exposed below the finished ceilng. Threaded rod may be substituted depending upon field requirements.

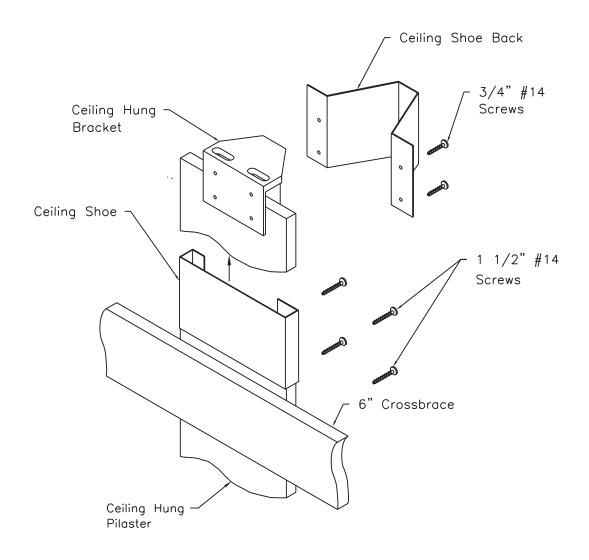
Thread nut onto bolt up to finished ceiling. Place lock washer on bolt. Position ceiling hung pilaster onto ceiling bolts and slide up towards ceiling. Place washer and nut onto bolt. Level pilaster using opposing hex head nuts. Tighten all bolts.

Refer to "INSTALLATION OF PILASTERS" for connection of pilaster to panel.

NOTE! Continuous wall bracket will extend from 14 1/2" A.F.F. to 12" below finished ceiling to allow for mounting of ceiling shoe and crossbracing.

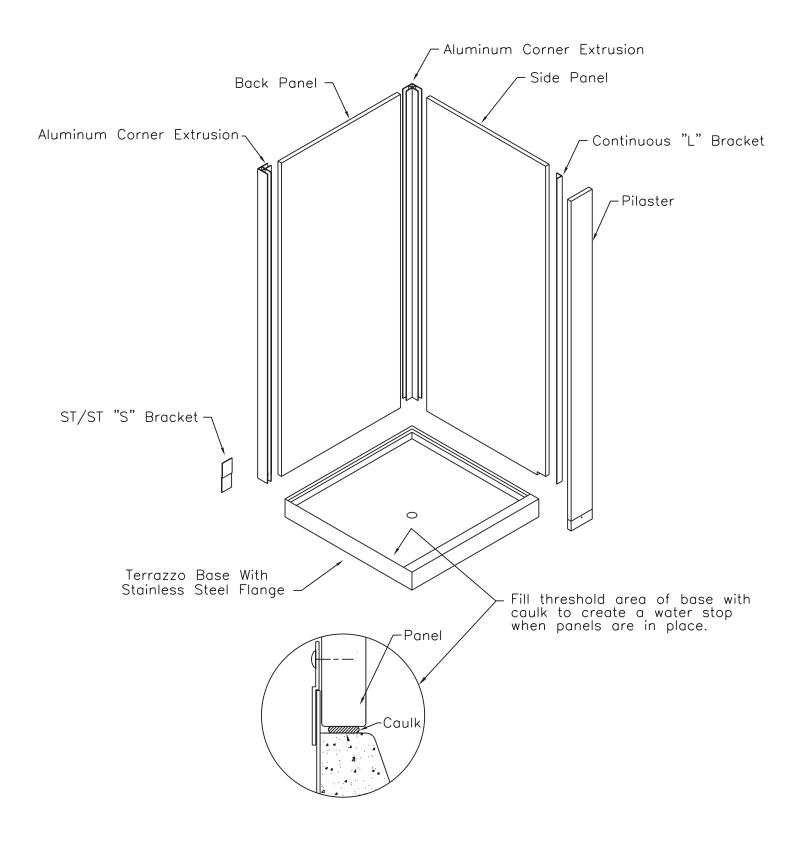
Insert filler panel in back of wall bracket from top of panel to 12" below finished ceiling to allow for mounting of ceiling shoe and crossbracing. Attach with sex bolts.





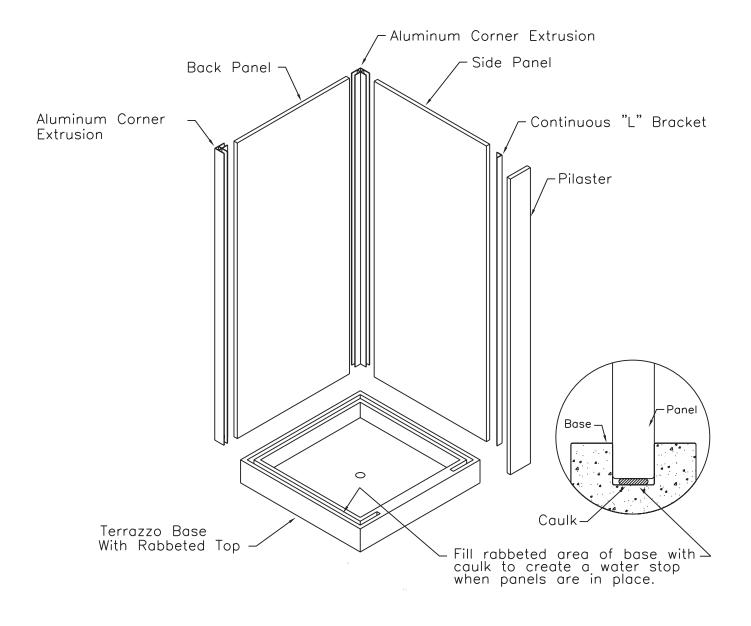
Slide ceiling shoe up pilaster to ceiling. NOTE! This must be done before any door hardware is attached to pilaster. Place ceiling shoe back in proper location and attach front and back shoes with 3/4" #14 screws.

Attach crossbracing to pilaster directly below ceilng shoe and attach from back using four 1 1/2" #14 screws.



- 1.) Connect (2) ST/ST "S" brackets to the backside of each panel to be attached to the terrazzo base using 3/4" #14 screws.
- 2.) Fill threshold section of base with caulk to provide water stop.
- 3.) Attach aluminum corner extrusions to back panel.
- 4.) Place back panel on threshold of base creating seal with previously applied caulk keeping ST/ST flange between panel and "S" bracket.
- 5.) Place side panel on threshold and tap the panel into the aluminum corner extrusion in place on the back panel keeping ST/ST flange between side panel and "S" bracket.
- 6.) Repeat step (5.) for remaining side panel.
- 7.) Connect continuous "L" bracket to side panel with 3/4" #14 screws. Set bottom of bracket on top of base leaving space at the top of panel for mounting headrail.
- 8.) Place front pilaster in shoe and connect to continuous "L" bracket using 3/4" #14 screws.
- 9.) Repeat steps (7.) & (8.) for remaining side panel.
- 10.) Mount headrail across front of all stalls when completed.
- 11.) For all other connections refer to Santana standard installation instructions.

NOTE! Only one side panel shown, 2 are required



- 1.) Fill rabbeted section of base with caulk to provide water stop.
- Attach aluminum corner extrusions to back panel with 1" of panel extending below edge of bracket.
- 3.) Place back panel in rabbet of base creating seal with previously applied caulk.
- 4.) Place side panel in rabbet and tap the panel into the aluminum corner extrusion in place on the back panel.
- 5.) Repeat step (4.) for remaining side panel.
- 6.) Connect continuous "L" bracket to side panel with 3/4" #14 screws. Set bottom of bracket on top of base leaving space at the top of panel for mounting headrail.
- 7.) Place front pilaster in rabbet and connect to continuous "L" bracket using 3/4" #14 screws.
- 8.) Repeat steps (6.) & (7.) for remaining side panel.
- 9.) Mount headrail across front of all stalls when completed.
- 10.) For all other connections refer to Santana standard installation instructions.

NOTE! Only one side panel shown, 2 are required