INSTALLATION INSTRUCTIONS

GRS 1202 Series
Swinging Glass Gate Systems
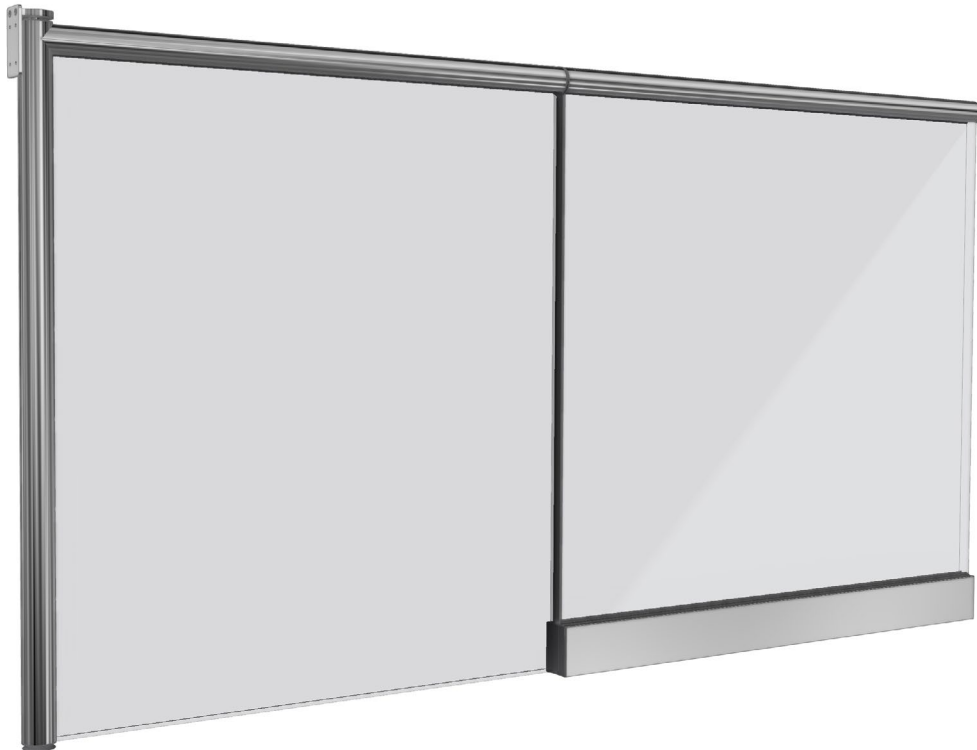
HANDLING, STORAGE, AND PROTECTION OF ALUMINUM

The following precautions are recommended to protect the material against damage. Following these precautions will help ensure early acceptance of your products and workmanship.

A. HANDLE CAREFULLY.
All aluminum materials at job site must be stored in a safe place, well removed from possible damage by other trades. Cardboard wrapped or paper interleaved materials must be kept dry.

B. CHECK ARRIVING MATERIALS.
Check for quantities and keep records of where various materials are stored.

C. KEEP MATERIALS AWAY FROM WATER, MUD, AND SPRAY.
Prevent cement plaster or other materials from damaging the finish.

D. PROTECT THE MATERIALS AFTER ERECTION.
Protect erected frame with polyethylene or canvas splatter screen. Cement, plaster, terrazzo, other alkaline solutions, and acid based materials used to clean masonry are harmful to the finish. If any of these materials come in contact with the aluminum, immediately remove with water and mild soap.

INTRODUCTION

The GRS 1202 Series Gate Systems are an offshoot of our Wedge-Lock™ Door Rail System, and can be combined with our GRS Cap Rails. The top and bottom of the Gate swings on heavy-duty ball bearing pivots. Our engineers have designed a unique In-Rail Closing Mechanism which is concealed in the vertical post, eliminating the need for large enclosures in the floor. The closer always returns the Gate to the closed position, and the closing speed is adjustable.

SYSTEM LIMITATIONS

For 1/2" (12 mm) Tempered Monolithic Glass

42" (1067 mm) Recommended Maximum Gate Width

72" (1829 mm) Recommended Maximum Gate Height

36 x 42 (965 mm) Minimum Gate Height.

Note: Check local building codes. 40" (1016 mm) is the minimum gate height for certain uses.
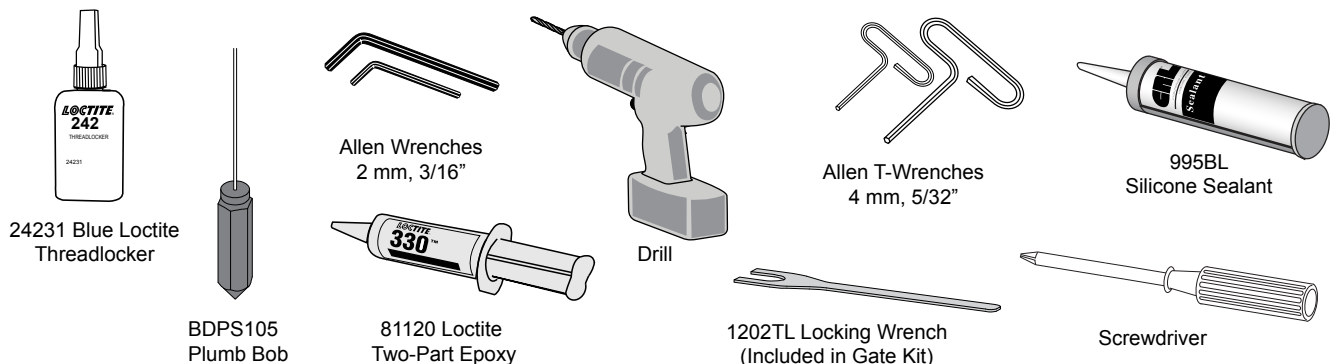
PREPARE AREA

Install the section of railing the gate mounts to first. Then install remaining railing.

ORDER OF ASSEMBLY AND INSTALLATION

TOOLS NEEDED

24231 Blue Loctite
Threadlocker

BDPS105
Plumb Bob

Allen Wrenches
2 mm, 3/16"

81120 Loctite
Two-Part Epoxy

Drill

Allen T-Wrenches
4 mm, 5/32"

1202TL Locking Wrench
(Included in Gate Kit)

995BL
Silicone Sealant

Screwdriver

PARTS LIST

Use the key below to breakdown part numbers. Three styles of mounting hardware are compatible with all kits and are available in two finishes, brushed or polished stainless. The standard kits are 36" x 42" (914 mm x 1067 mm). The custom kits are not listed here.

Series Number   Height   Custom

1202P142BSC

Mounting Style   Finish
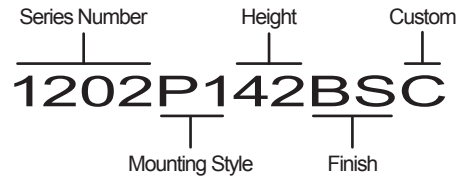
Mounting Hardware Selection
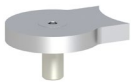
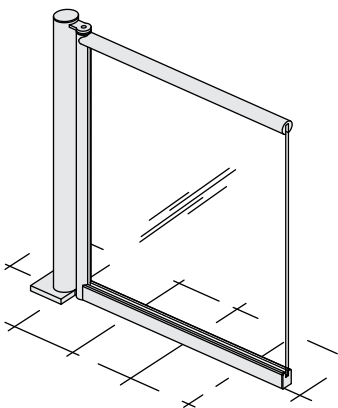Post Mount : P   Glass Mount : G   Wall Mount : W
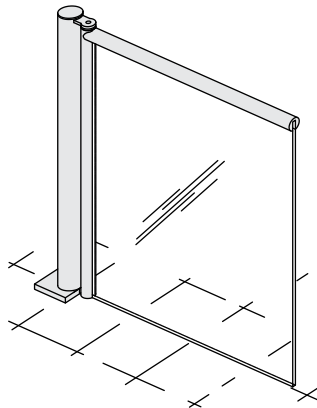
Standard Configurations Available

NOTE: Post Mount shown in illustrations. Wall and Glass Mounts also available.

1202P142BS / 1202P142PS
CRL GRS 1202 SERIES "TYPE P1" POST MOUNT SWINGING GLASS GATE KIT 36 x 42 BRUSHED OR POLISHED STAINLESS STEEL

1202P242BS / 1202P242PS
CRL GRS 1202 SERIES "TYPE P2" POST MOUNT SWINGING GLASS GATE KIT 36 x 42 BRUSHED OR POLISHED STAINLESS STEEL

1202P342BS / 1202P342PS
CRL GRS 1202 SERIES "TYPE P3" POST MOUNT SWINGING GLASS GATE KIT 36 x 42 BRUSHED OR POLISHED STAINLESS STEEL

1202P442BS / 1202P442PS
CRL GRS 1202 SERIES "TYPE P4" POST MOUNT SWINGING GLASS GATE KIT 36 x 42 BRUSHED OR POLISHED STAINLESS STEEL

1202W142BS / 1202W142PS
CRL GRS 1202 SERIES "TYPE W1" POST MOUNT SWINGING GLASS GATE KIT 36 x 42 BRUSHED OR POLISHED STAINLESS STEEL
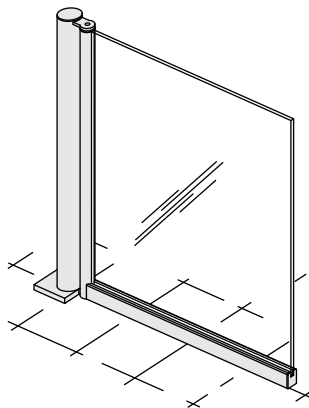
1202W242BS / 1202W242PS
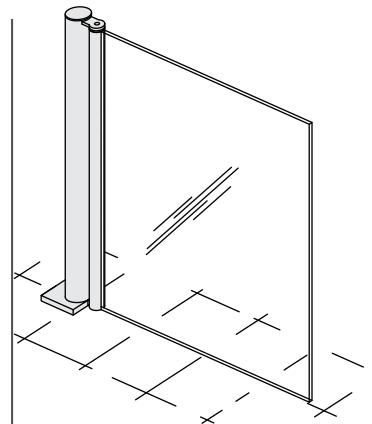CRL GRS 1202 SERIES "TYPE W2" POST MOUNT SWINGING GLASS GATE KIT 36 x 42 BRUSHED OR POLISHED STAINLESS STEEL

1202W342BS / 1202W342PS
CRL GRS 1202 SERIES "TYPE W3" POST MOUNT SWINGING GLASS GATE KIT 36 x 42 BRUSHED OR POLISHED STAINLESS STEEL

1202W442BS / 1202W442PS
CRL GRS 1202 SERIES "TYPE W4" POST MOUNT SWINGING GLASS GATE KIT 36 x 42 BRUSHED OR POLISHED STAINLESS STEEL

1202G142BS / 1202G142PS
CRL GRS 1202 SERIES "TYPE G1" POST MOUNT SWINGING GLASS GATE KIT 36 x 42 BRUSHED OR POLISHED STAINLESS STEEL

1202G242BS / 1202G242PS
CRL GRS 1202 SERIES "TYPE G2" POST MOUNT SWINGING GLASS GATE KIT 36 x 42 BRUSHED OR POLISHED STAINLESS STEEL

1202G342BS / 1202G342PS
CRL GRS 1202 SERIES "TYPE G3" POST MOUNT SWINGING GLASS GATE KIT 36 x 42 BRUSHED OR POLISHED STAINLESS STEEL

1202G442BS / 1202G442PS
CRL GRS 1202 SERIES "TYPE G4" POST MOUNT SWINGING GLASS GATE KIT 36 x 42 BRUSHED OR POLISHED STAINLESS STEEL
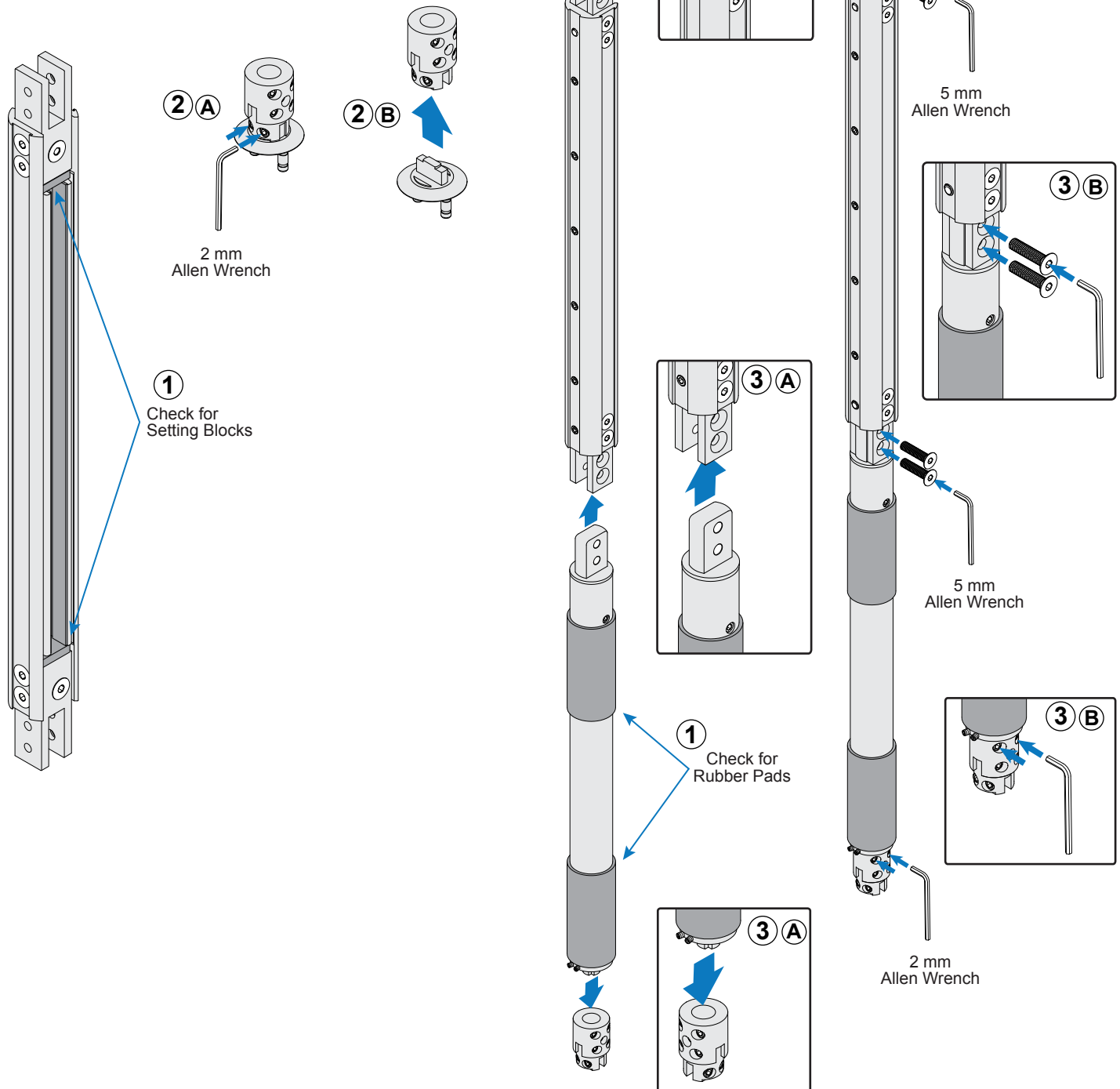
UNPACK AND ASSEMBLE TUBE

Assemble on a clean flat surface.

1 Inspect parts as you unpack.

NOTE: Factory installed Setting Blocks and Rubber Pads required for installation. If these are not present, contact Customer Service before beginning assembly.
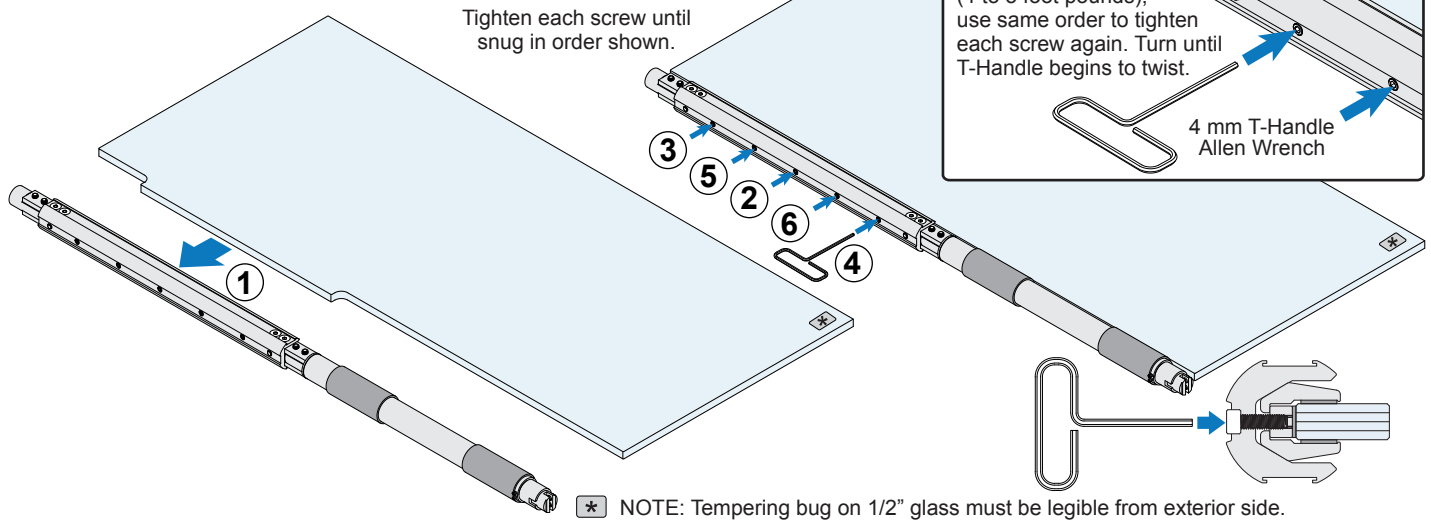
2 Loosen bottom two Set Screws on Bottom Collar to remove Floor Reciever.

3 Assemble Tube.

2 A

2 B

2 mm
Allen Wrench

1
Check for
Setting Blocks

3 A

3 A

3 A

3 A

1 Check for
Rubber Pads

3 B

3 B

5 mm
Allen Wrench

3 B

3 B

5 mm
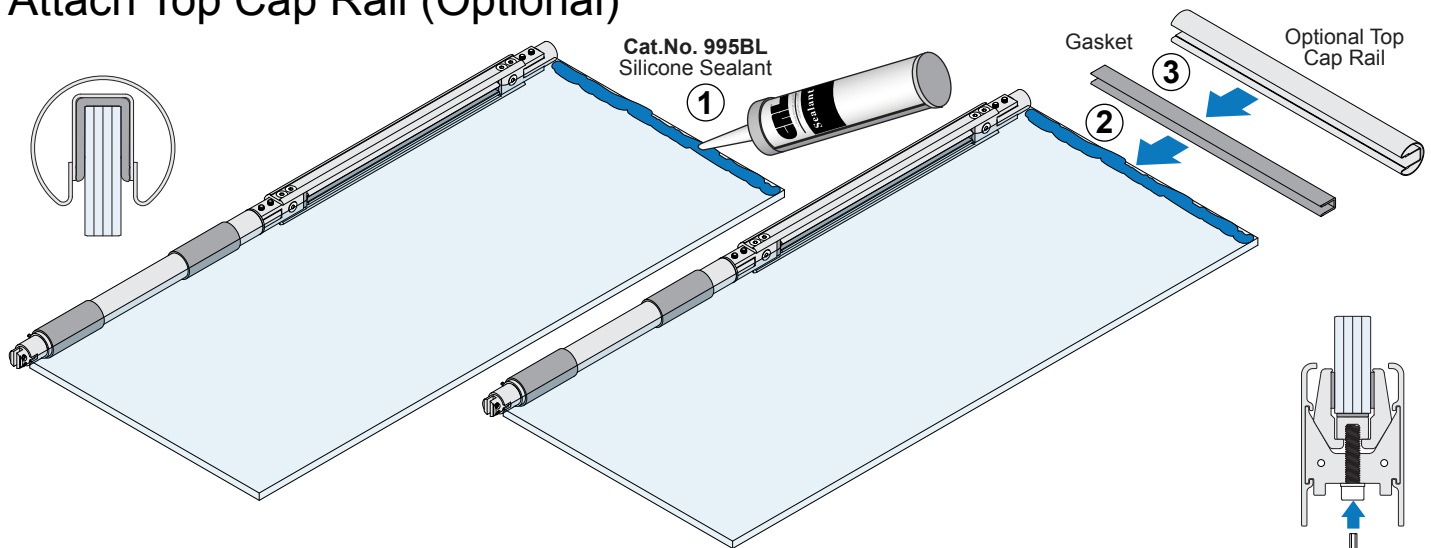Allen Wrench

3 B

2 mm
Allen Wrench

INSTALL GLASS

NOTE: If your kit has factory installed glass, proceed to install Top Cap Rail and Base Rail if applicable. Follow tightening sequence shown to ensure proper torque is achieved.
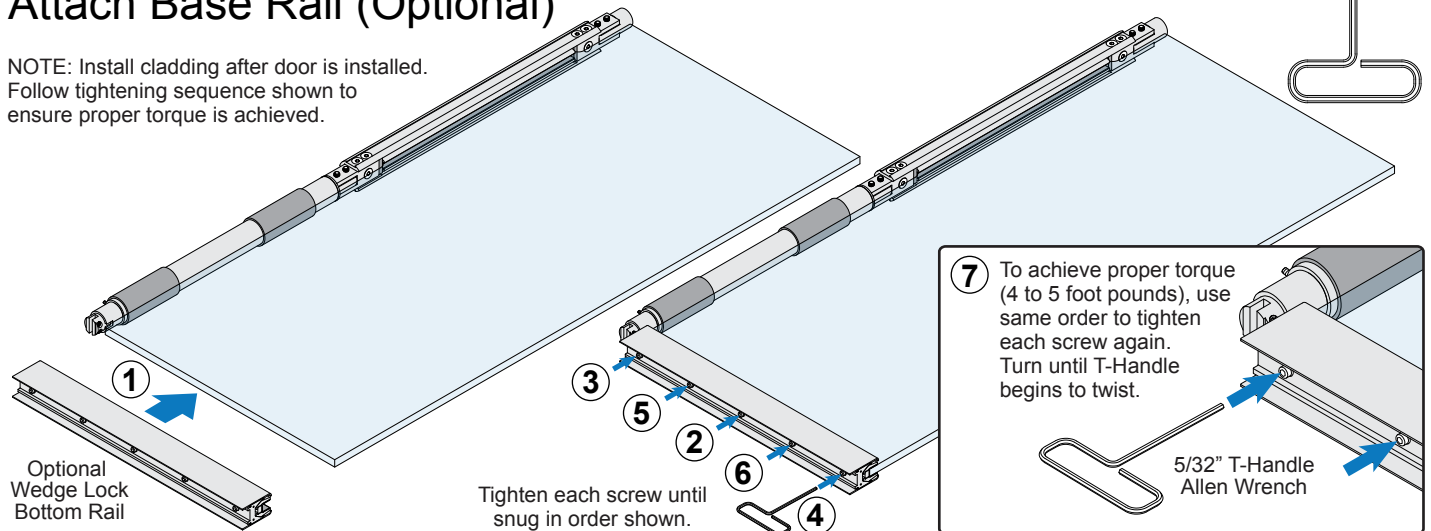
Tighten each screw until snug in order shown.

① ② ③ ④ ⑤ ⑥

⑦ To achieve proper torque (4 to 5 foot pounds), use same order to tighten each screw again. Turn until T-Handle begins to twist.

4 mm T-Handle Allen Wrench

✱ NOTE: The on 1/2" glass must be legible from exterior side.

Attach Top Cap Rail (Optional)

Cat.No. 995BL
Silicone Sealant
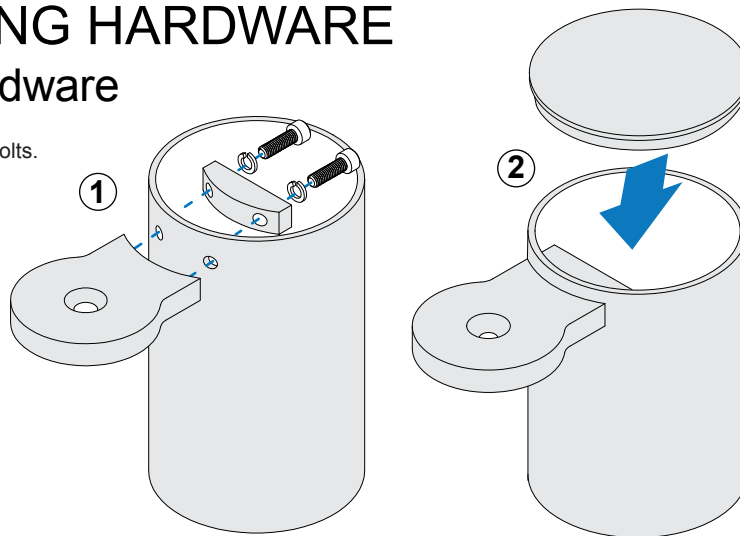
① ② ③

Gasket

Optional Top Cap Rail

Attach Base Rail (Optional)

NOTE: Install cladding after door is installed. Follow tightening sequence shown to ensure proper torque is achieved.

①

Optional Wedge Lock Bottom Rail

Tighten each screw until snug in order shown.

② ③ ④ ⑤ ⑥

⑦ To achieve proper torque (4 to 5 foot pounds), use same order to tighten each screw again. Turn until T-Handle begins to twist.

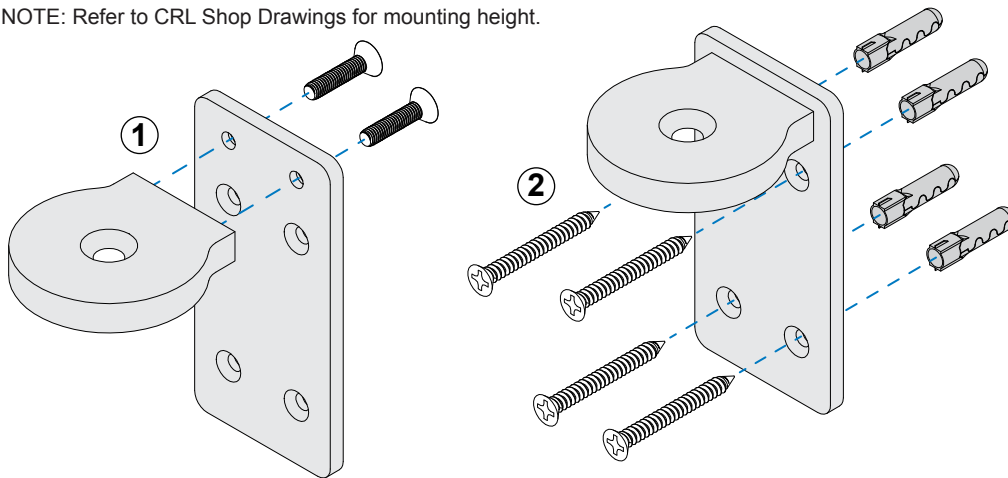5/32" T-Handle Allen Wrench

INSTALL MOUNTING HARDWARE
Install Post Mount Hardware
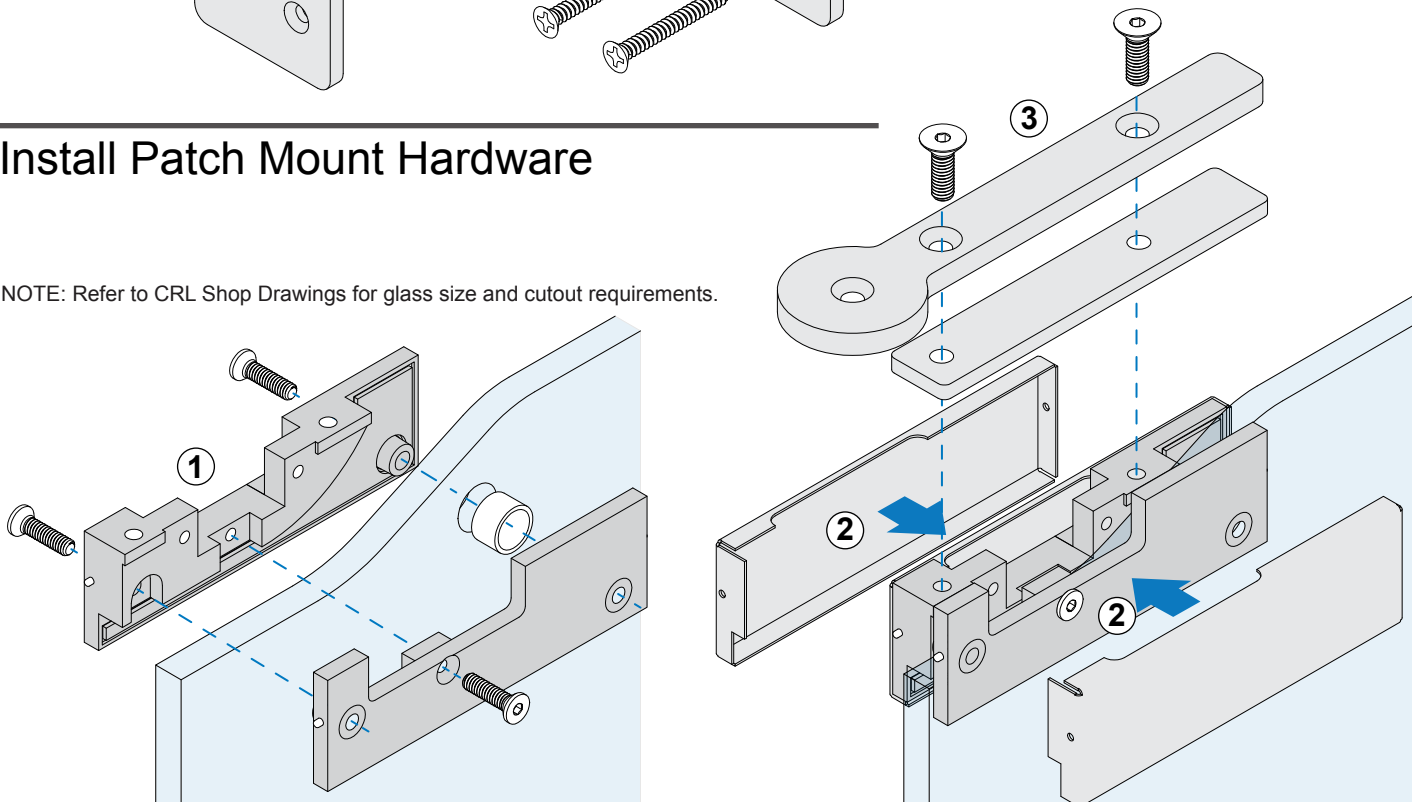
NOTE: Use Lock Washers with Bolts.

Install Wall Mount Hardware
NOTE: Refer to CRL Shop Drawings for mounting height.

Install Patch Mount Hardware

NOTE: Refer to CRL Shop Drawings for glass size and cutout requirements.
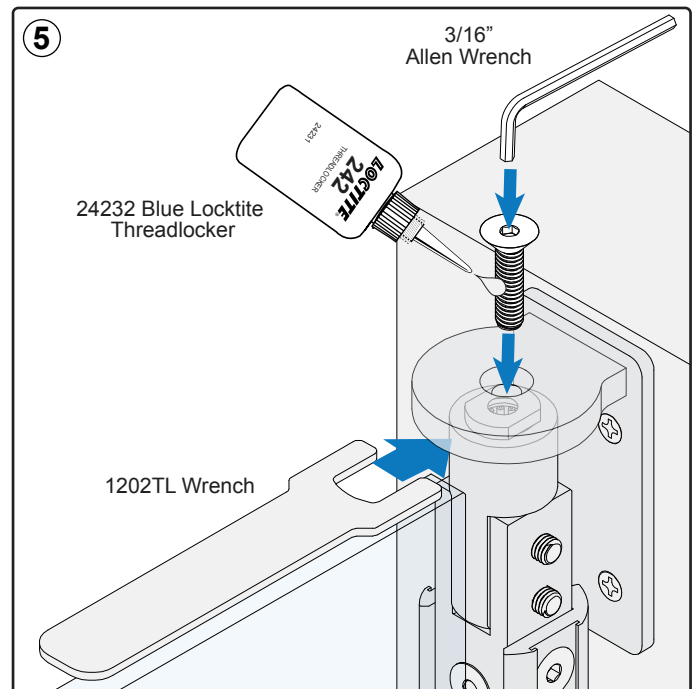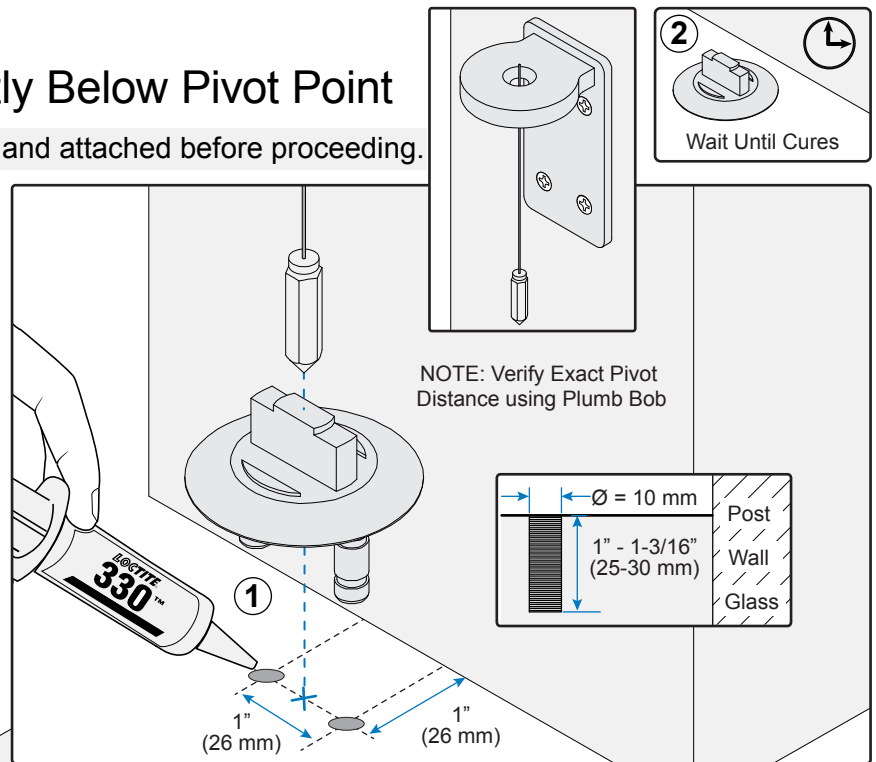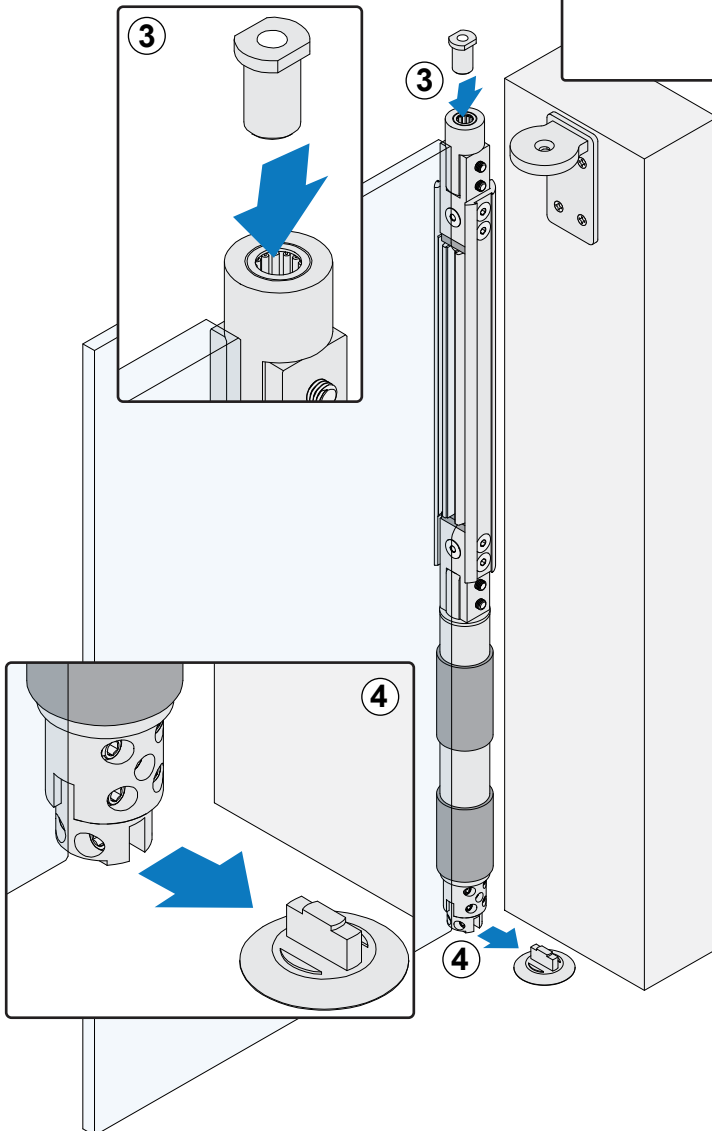
INSTALL TUBE
Install Floor Receiver Directly Below Pivot Point

NOTE: Top Gate Pivot MUST be in place and attached before proceeding.

2 Wait Until Cures

1 Drill holes for Floor Receiver and fill with Loctite Two-Part Epoxy.

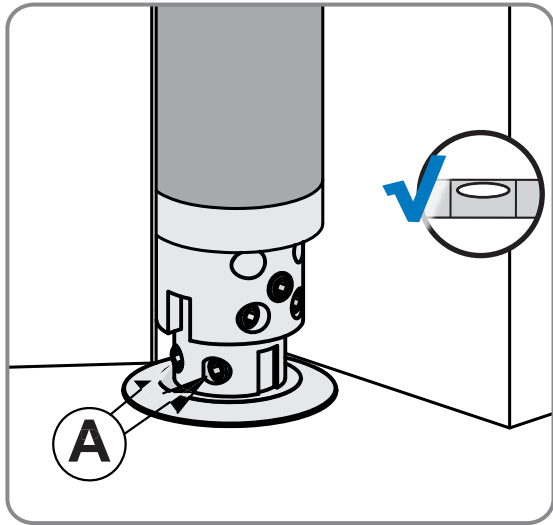**2** Install Floor Receiver and let sit until it cures.

Install Tube and Secure

3 Fit Pivot Pin into top of Tube.

NOTE: Pivot Pin is used with Wall and Glass Mount and may be packaged with the mounting hardware. It is not used with Post Mount Hardware.

4 Slide Tube onto Floor Receiver.
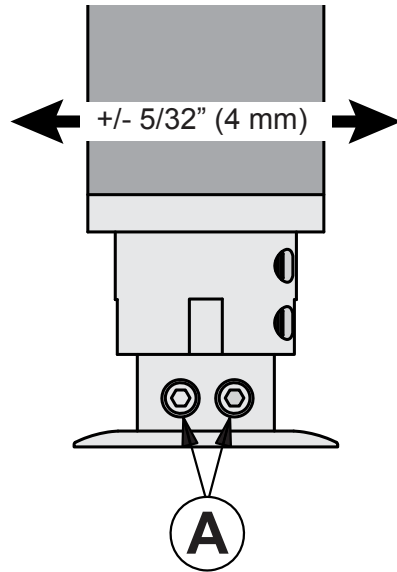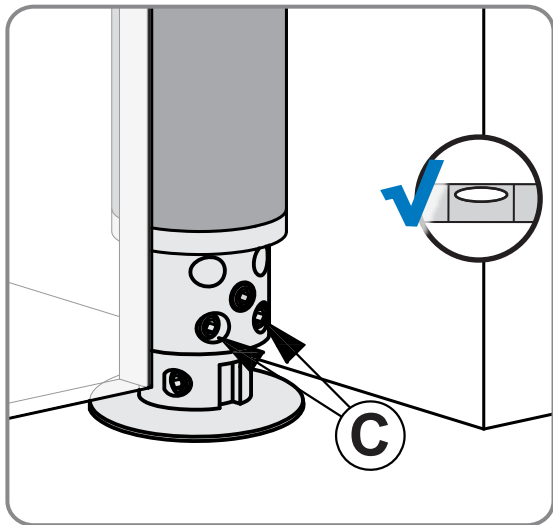
5 Align and secure.

NOTE: Verify Exact Pivot Distance using Plumb Bob

1

LOCTITE 330™

Ø = 10 mm
1" - 1-3/16" (25-30 mm)

Post
Wall
Glass

1" (26 mm)   1" (26 mm)

3

3

4

4

5

3/16" Allen Wrench

24232 Blue Locktite Threadlocker

LOCTITE 242 THREADLOCKER

1202TL Wrench

NOTE: Use 1202TL Wrench to hold Pivot Pin in place while tightening fastener.

ADJUST TUBE POSITION
Adjust to Plumb

Plumb tube front to back.

+/- 5/32" (4 mm)

Tighten set screws to lock into place.

Plumb tube side to side.

+/- 5/32" (4 mm)
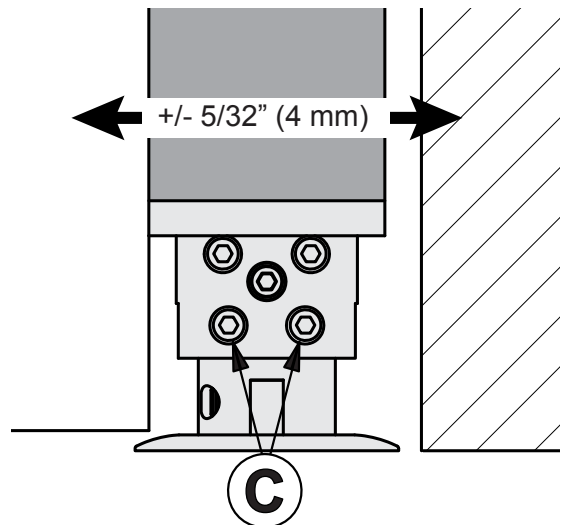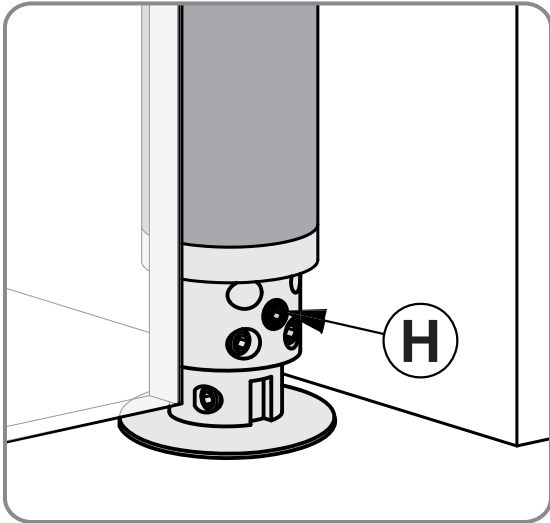
Tighten set screws to lock into place.
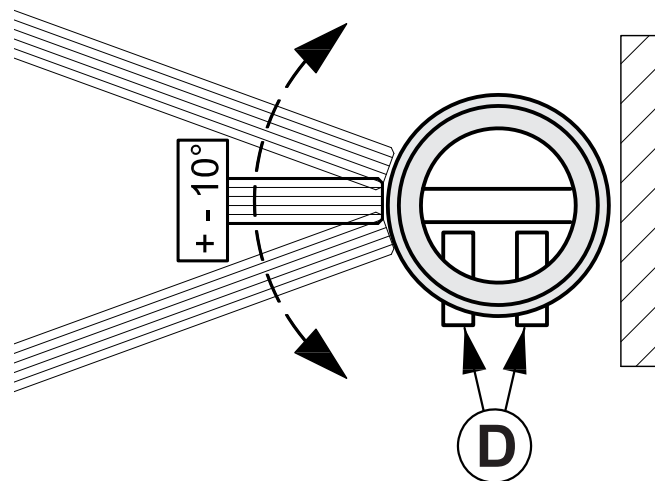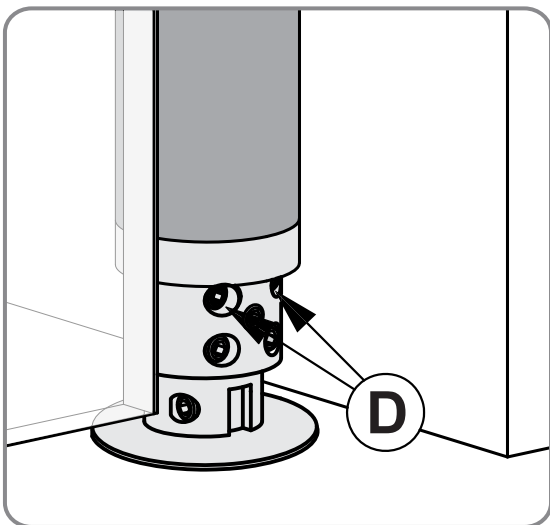
ADJUST TUBE POSITION (CONTINUED)
Adjust Height
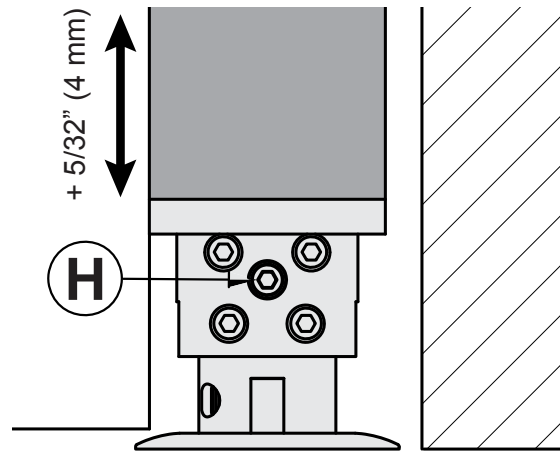
Turn set screw to adjust height.

Center Pivot

Turn set screws to center panel.
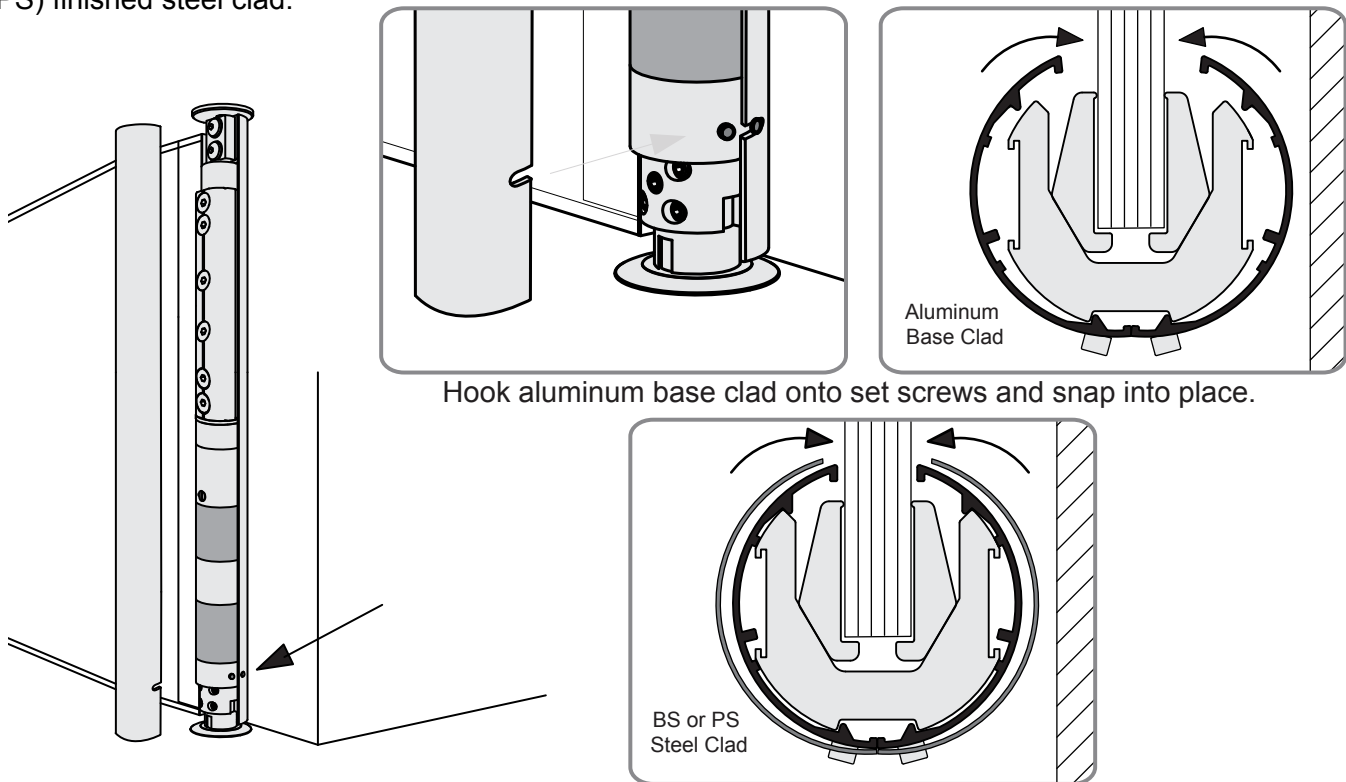
Adjust Closing Speed

Turn to adjust closing speed.
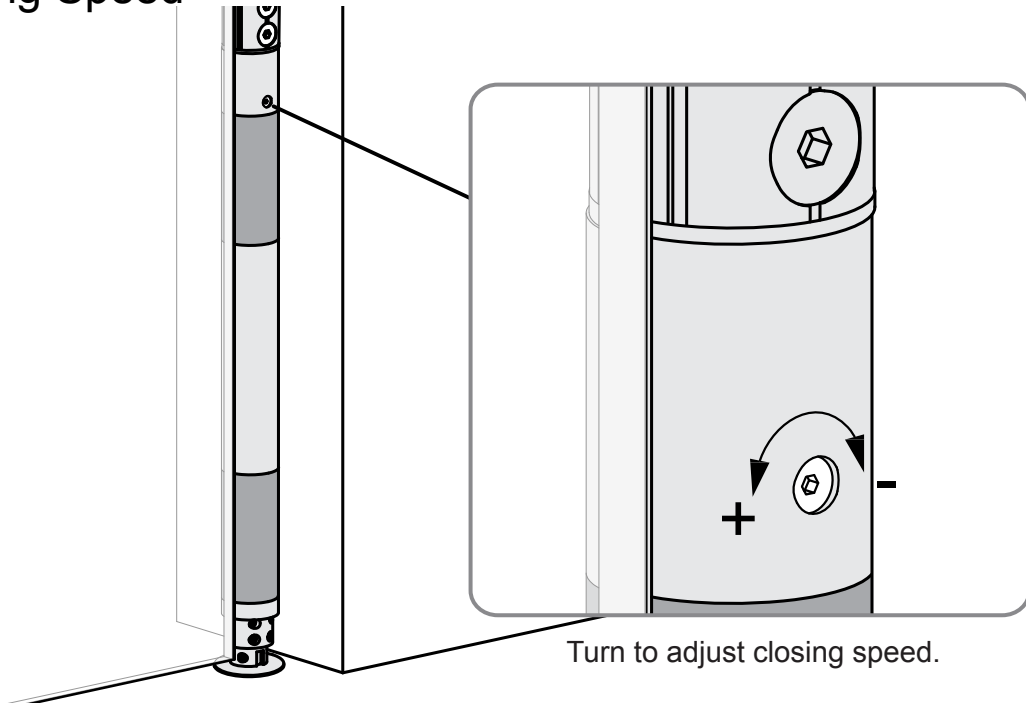
NOTE: Do not remove this screw.

Install Cladding

NOTE: System supplied with aluminum base clad and either brushed stainless (BS) or polished stainless (PS) finished steel clad.

Aluminum
Base Clad

Hook aluminum base clad onto set screws and snap into place.

BS or PS
Steel Clad

Match holes in steel clad with set screws
and secure with supplied double stick tape.