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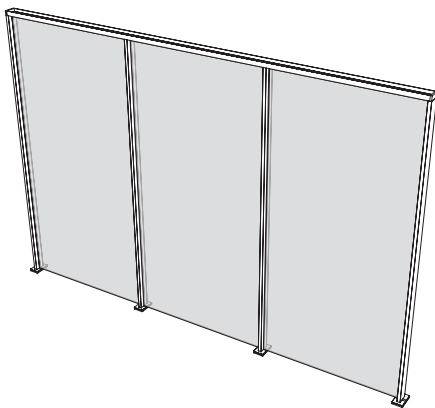
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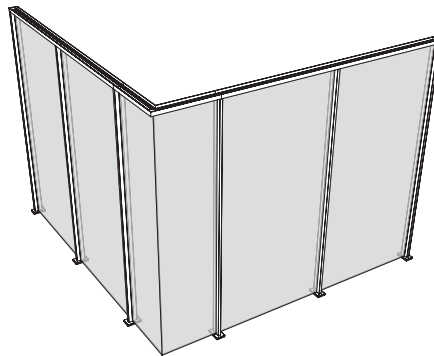
System Overview

3form Ituo is the perfect example of a highly customizable partitioning system. Configure Ituo to create collaborative zones, private work spaces, or functional areas. Choose from a variety of material options and accessories to meet your design needs.

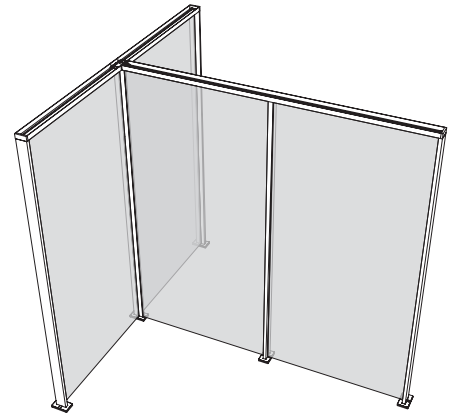
Idea-Starting Ituo Configurations



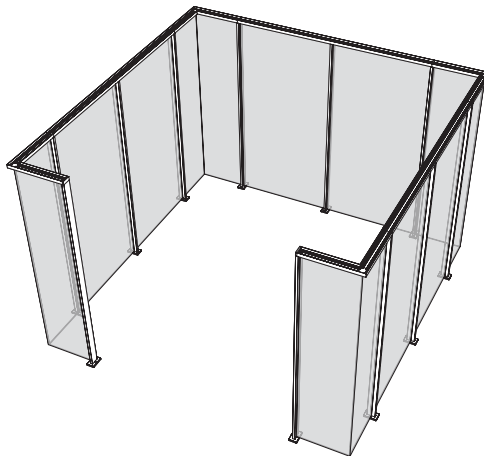
I



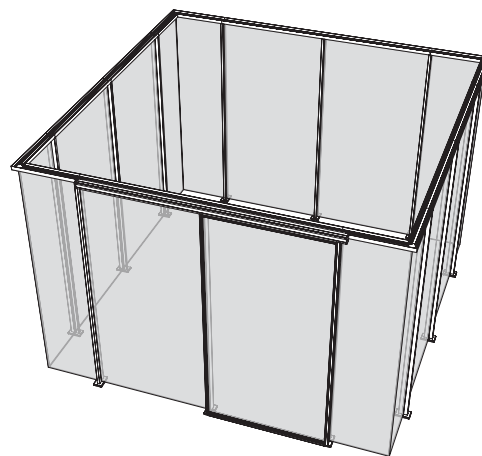
L



T



U

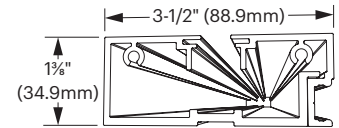
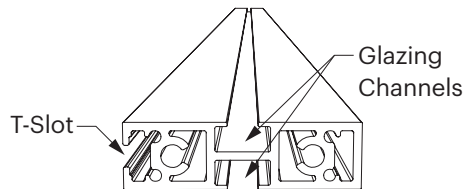


O

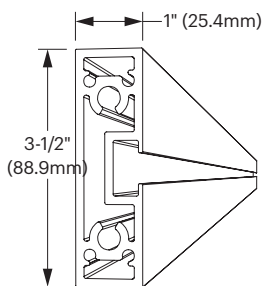
System Overview

Vertical Post Profiles

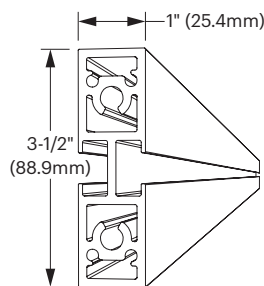
Ittuo's vertical posts create a clean, linear aesthetic while providing integrated design and mounting slots for accessories such as shelving, markerboards, signage, etc. The extrusion cavities are referenced as "Glazing Channels" or "T-Slots". Glazing Channels provide a location for Varia Panels to mount and T-Slots are for mounting items to one or both faces of your Ittuo system.



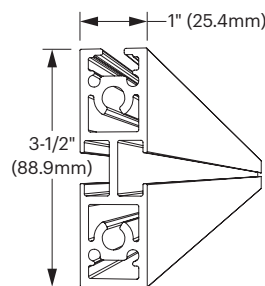
Ittuo Wall Mounted Assembly Vertical Posts
3-15-2393 and 3-15-2394



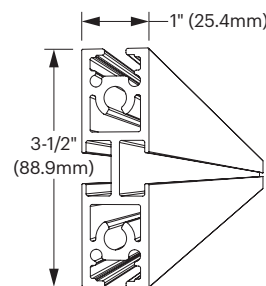
Ittuo Vertical Post, 1 Glazing Channel
122" 0-15-2182
96" 0-15-2183



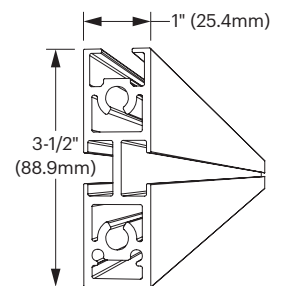
Ittuo Vertical Post, 2 Glazing Channels
122" 0-15-2180
96" 0-15-2181



Ittuo Vertical Post, 1 T-Slot
122" 0-15-2184
96" 0-15-2185



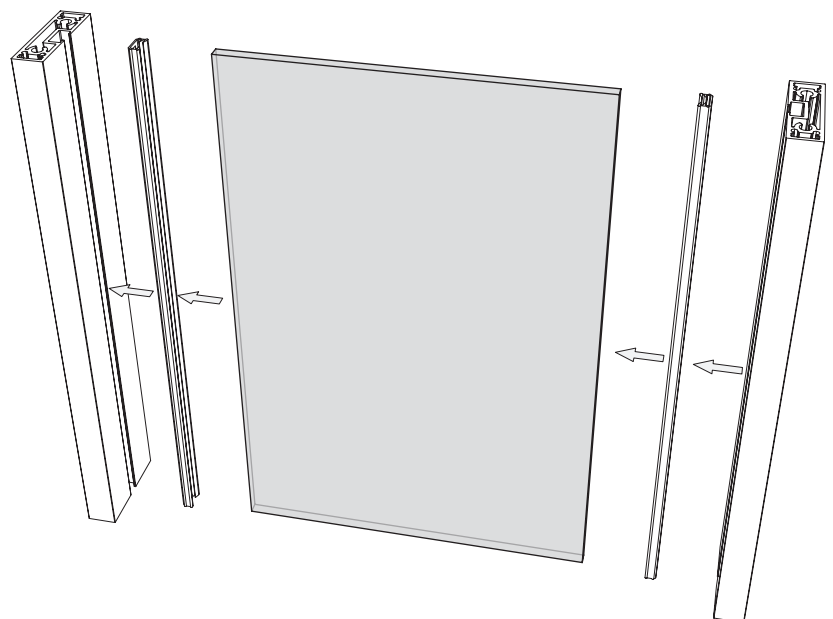
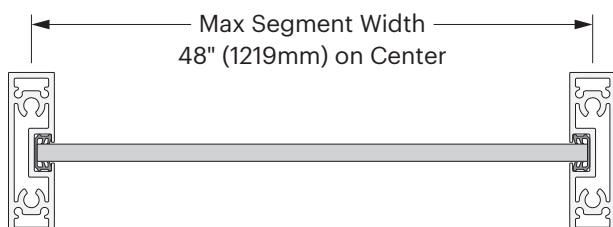
Ittuo Vertical Post, 2 T-Slots
122" 0-15-2176
96" 0-15-2177



Ittuo Vertical Post, T Configuration
122" 0-15-2178
96" 0-15-2179

Panel Connection Detail

3/8" gauge Varia EcoResin®, 3/8" gauge monolithic or laminated glass panels are secured to vertical posts with co-extruded glazing channels. These ensure a precision fit and a continuous linear attachment aesthetic with no visible fasteners.



System Overview

Cantilevered Partition

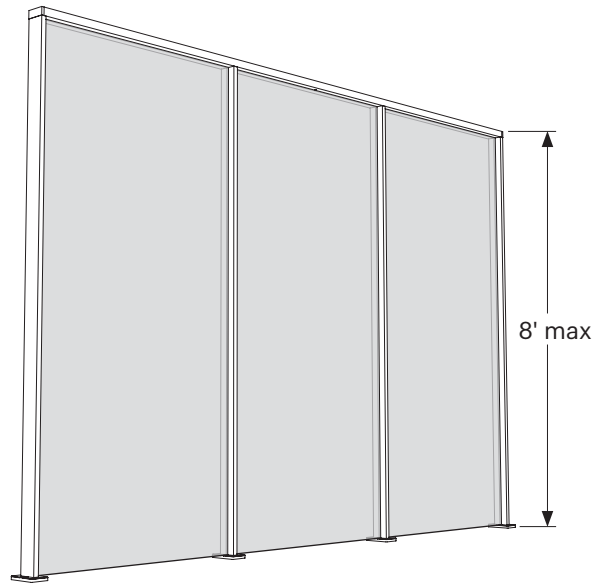
Maximum allowable height of 8' when anchored rigidly to a wood or concrete substrate.

Minimum concrete thickness 4¾"

Wood installation required to be into stud or minimum 3½" thickness for the wood substrate.

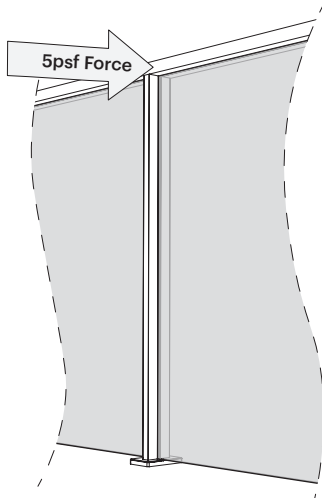
When installed as cantilever partitions, Ultuo must have a top rail profile installed.

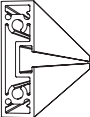
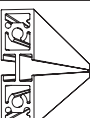
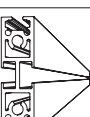
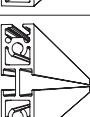
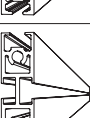
Slide O5 Door can be integrated with the Ultuo cantilevered Condition.



Deflection at Lengths of Cantilever Condition

The chart below shows the expected deflection of the different vertical post profiles at different heights. Deflections assume anchoring to a concrete floor using supplied concrete or wood anchoring fasteners. Deflection is max deflection at top of post.

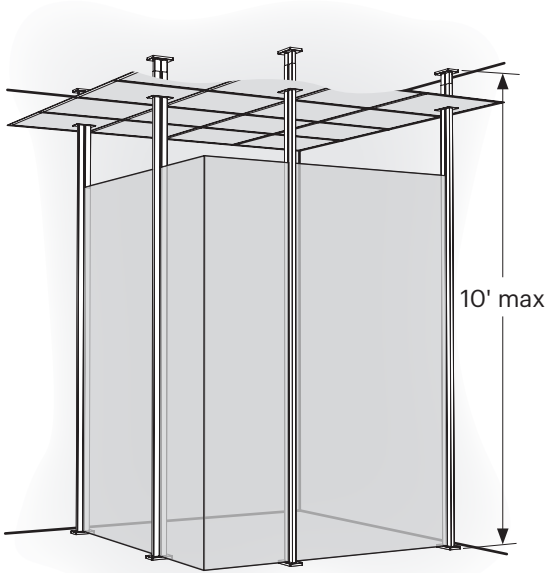


Ultuo Vertical Posts	Length →	Anticipated deflection of post assuming 5psf point load, applied at top of post.					
		2'	3'	4'	5'	6'	8'
	1 Glazing Slot	—	1/32"	1/16"	1/8"	9/32"	7/8"
	2 Glazing Slots	—	1/32"	1/16"	1/8"	9/32"	7/8"
	1 T-Slot	—	1/32"	1/16"	5/32"	5/16"	1"
	2 T-Slots	—	1/32"	1/16"	5/32"	5/16"	1"
	T Configuration	—	1/32"	1/16"	5/32"	5/16"	1"

System Overview

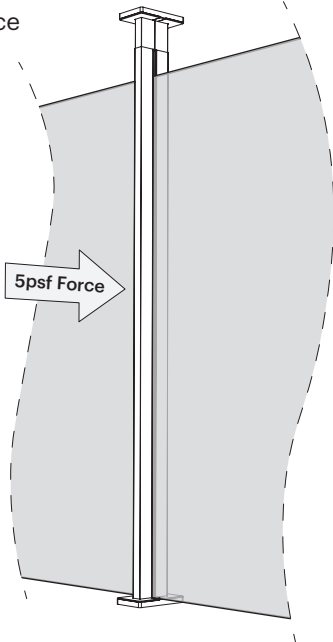
Floor-to-Ceiling Condition

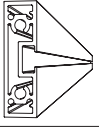
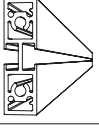
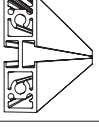
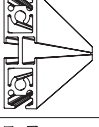
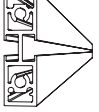
Maximum allowable ceiling height is 10'. Must connect to a rigid ceiling substrate (with blocking). If a drop ceiling is present, like shown in the graphic, you must go through the drop ceiling to the next rigid substrate. Top Rail is not needed for floor-to-ceiling condition.



Deflections at Lengths of Floor-to-ceiling Condition

Expected Deflection for cantilevered continuous deflection assumes rigid anchoring at both floor and ceiling using supplied anchors. Maximum deflection occurs at L/2 (where force is applied).



Ittuo Vertical Posts	Length→	Anticipated deflection of post assuming 5psf applied at half. 4' width post center to center.			
		4'	6'	8'	10'
	1 Glazing Slot	1/64"	1/32"	3/32"	7/32"
	2 Glazing Slots	1/64"	1/32"	3/32"	7/32"
	1 T-Slot	1/64"	1/32"	3/32"	1/4"
	2 T-Slots	1/64"	1/32"	3/32"	1/4"
	T Configuration	1/64"	1/32"	1/8"	9/32"

System Overview

Half Wall

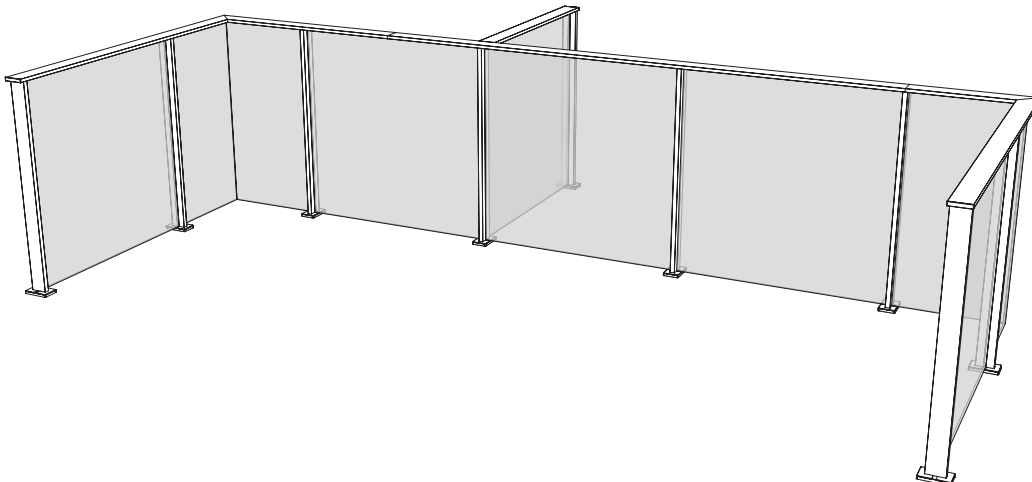
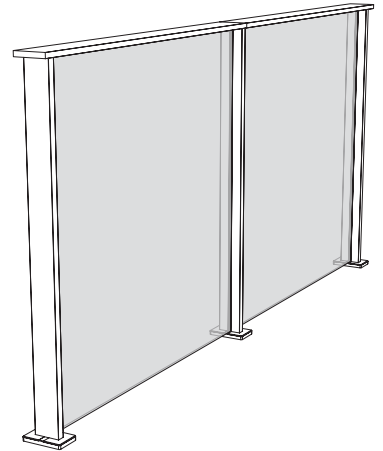
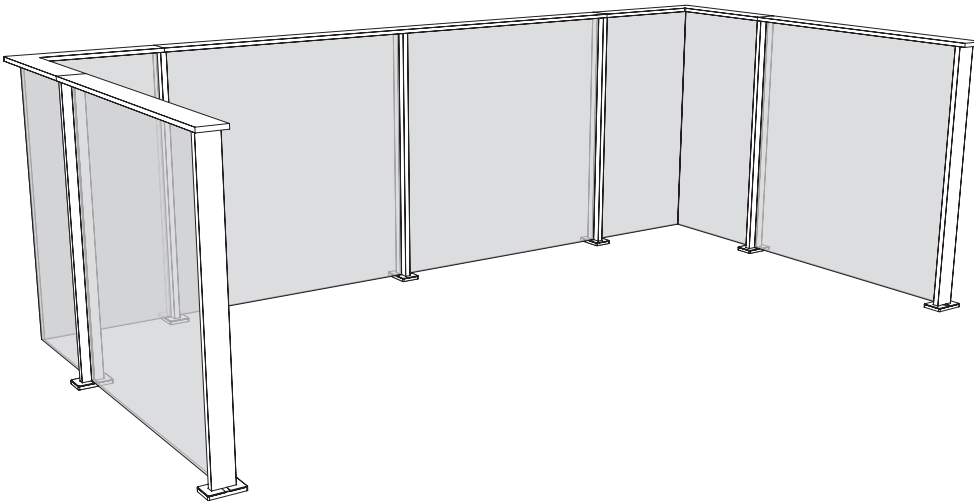
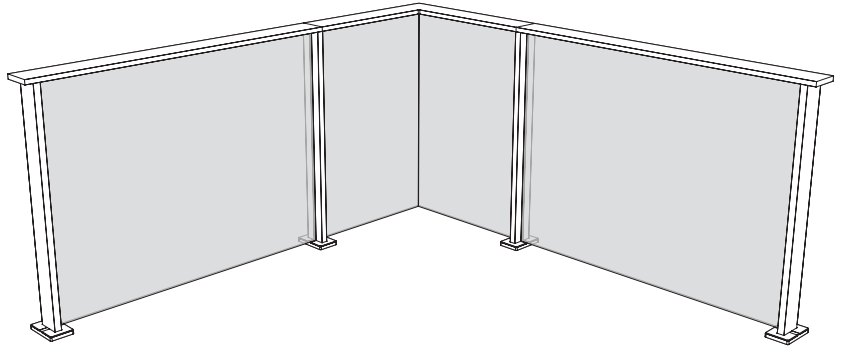
While Ultuo Half Wall uses the same vertical post styles as both the Cantilevered and Floor-to-Ceiling Ultuo conditions, the Half Wall is designed for walls from 24-72" tall while anchored into wood or concrete.

Minimum concrete thickness 4¾"

Wood installation required to be into stud or minimum 3½" thickness for the wood substrate.

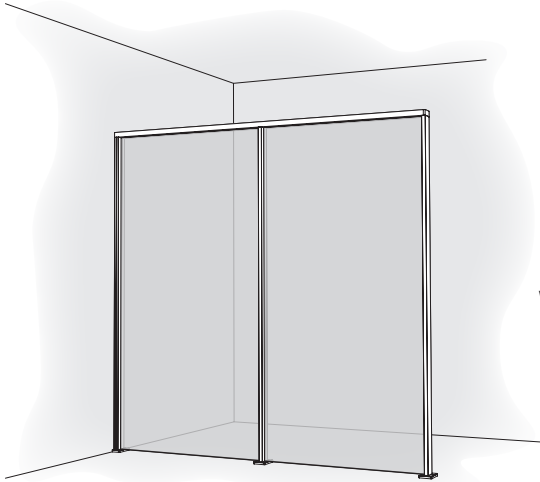
Ultuo Half Wall can be capped with a Top Rail profile or integrate a Birch Plywood Top Cap for a finished wood aesthetic while creating and dividing space.

Ultuo Half Wall can be configured in the same options as Ultuo (except for Door option) with all the same accessories and acoustic elements.

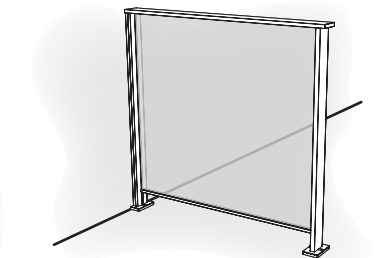


System Overview

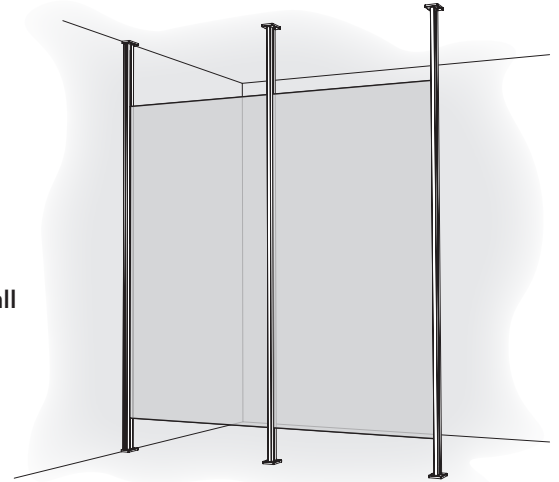
Wall Mount Assembly



Wall Mounted Assembly: Cantilever



Wall Mounted Assembly: Half Wall



Wall Mounted Assembly: Floor-to-Ceiling

90° Corner Options

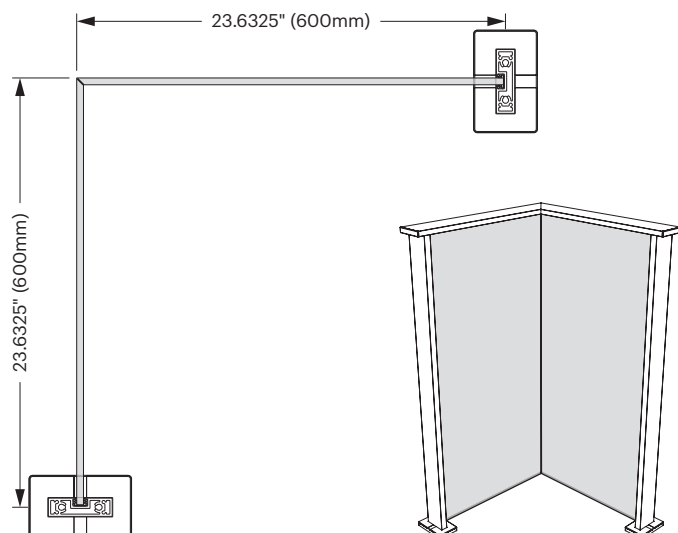
Varia

A standard Varia corner has a line-bend in the panel. The corner has a fixed leg length, while the height is variable to the system specifications.

There are two top cap types:

Aluminum 60-96"

Birch Plywood for Ituo Half Wall 24-60"



Glass

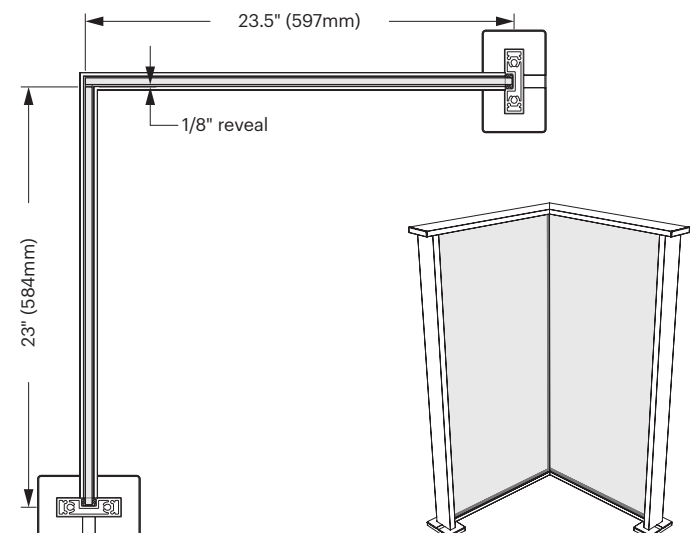
A standard butt-joint glass corner is siliconed on site. The corner has a fixed leg length, while the height is variable to the system specifications.

There are three top cap types:

Aluminum 72-96"

Aluminum Hand Rail for Ituo Half Wall 24-72"

Birch Plywood for Ituo Half Wall 24-72"



System Overview

Pressure Fit Assembly

The Pressure Fit Assembly is an integral part to all Ittuo floor-to-ceiling installations. It allows for 2" of adjustment for uneven ceiling height conditions.

The Pressure Fit Assembly Kit is simple to assemble (fig. 1 - 3).

Once the floor base plate is anchored to the floor, hand tighten the hex nuts to raise the ceiling mount plate to touch the ceiling (fig. 4).

The ceiling mount plate is then fastened to the ceiling with screws (fig. 5) and cosmetic covers are attached with VHB tape (fig. 6).

An extension shroud is supplied to hide the threaded rods and nuts (fig. 7). Max rod extension is 2" (fig. 8).

Cosmetic covers are available to cover the hole when used with drop ceilings (fig. 9).

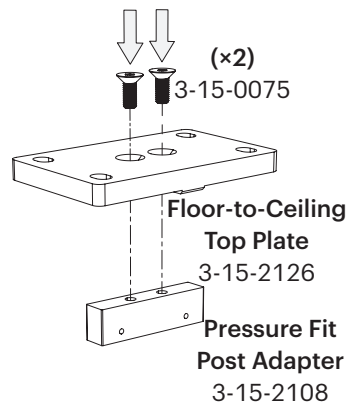


Figure 1

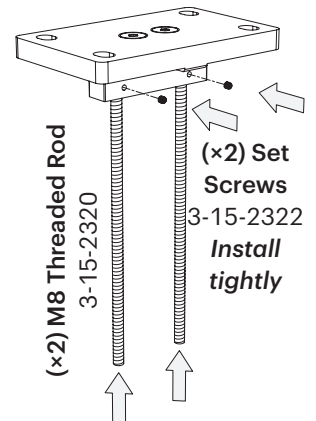


Figure 2

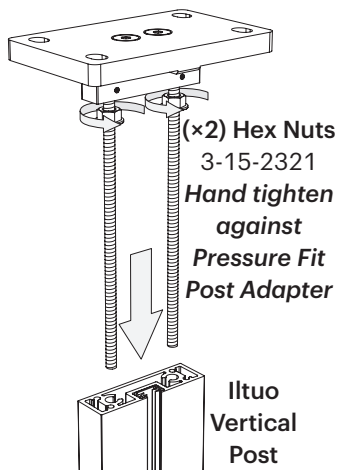


Figure 3

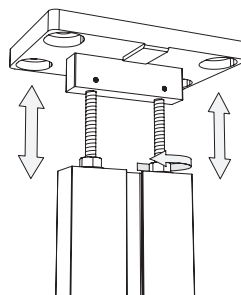


Figure 4

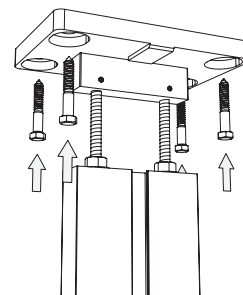


Figure 5

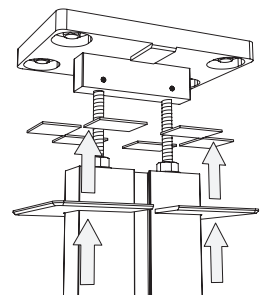


Figure 6

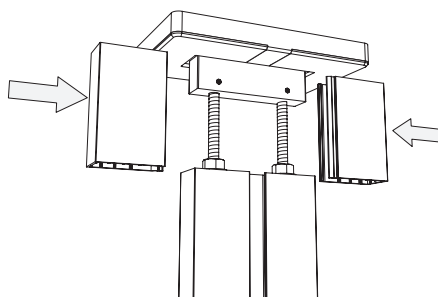


Figure 7

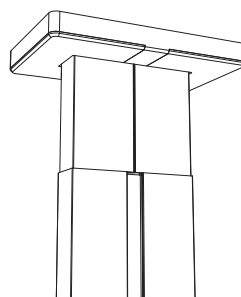


Figure 8

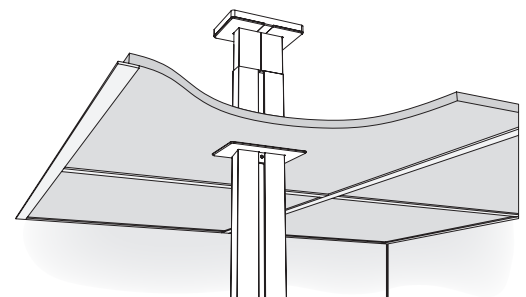
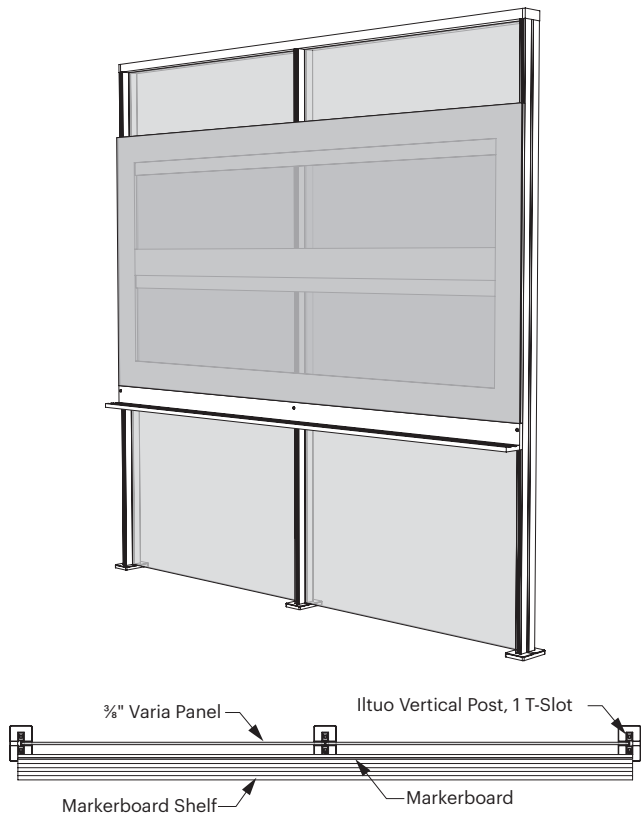


Figure 9

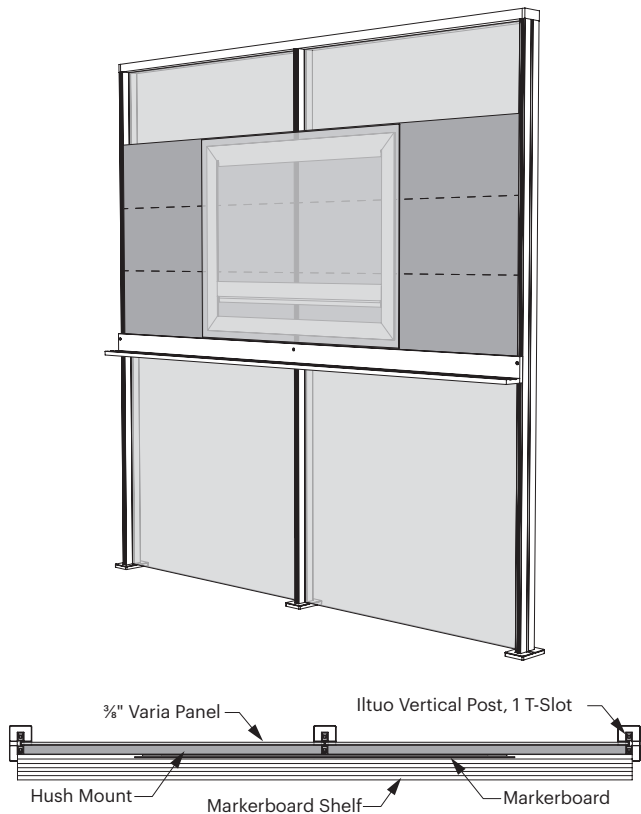
System Overview

Accessory Mounting Options

1-Sided Mounting: Markerboard Post to Post

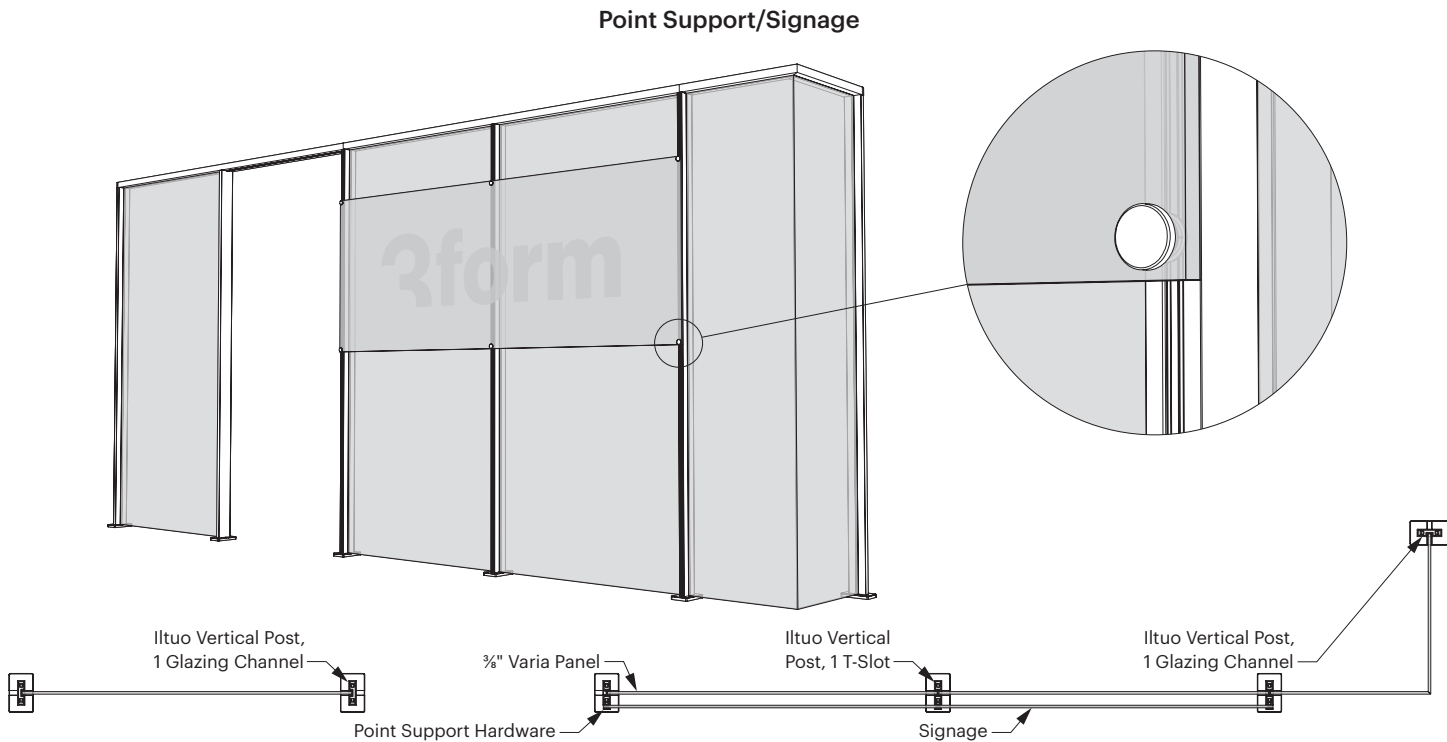
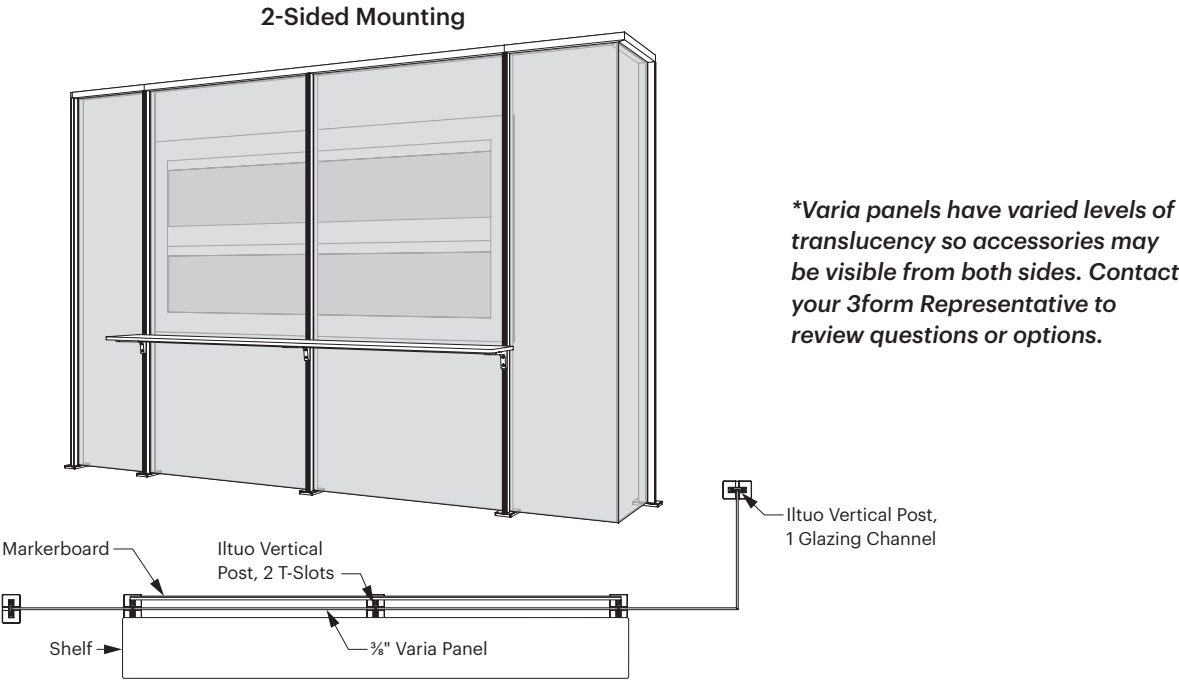


1-Sided Mounting: Markerboard Inset with Hush Mount



System Overview

Accessory Mounting Options



System Overview

Markerboard and Markerboard Shelf

Markerboards can span 2-3 Vertical Posts, either spanning post to post or inset of posts when using Hush Mount.

Maximum height of Markerboard: 42"

Maximum width of Markerboard: 96"

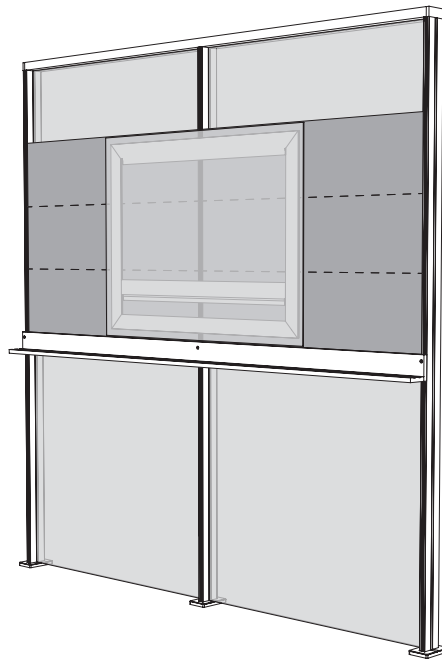
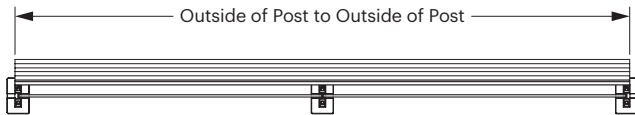
Optional Birch Plywood markerboard shelf.

This must span post to post as shown below.

Can be mounted to the inside and outside of the partition.

Floating Markerboard is the default frame type. Contact your sales rep for Framed or Continuous frame styles.

Powder coating is not available on Markerboard framing.



Shelves and Shelving Bracket

Available in Birch Plywood or Chroma.

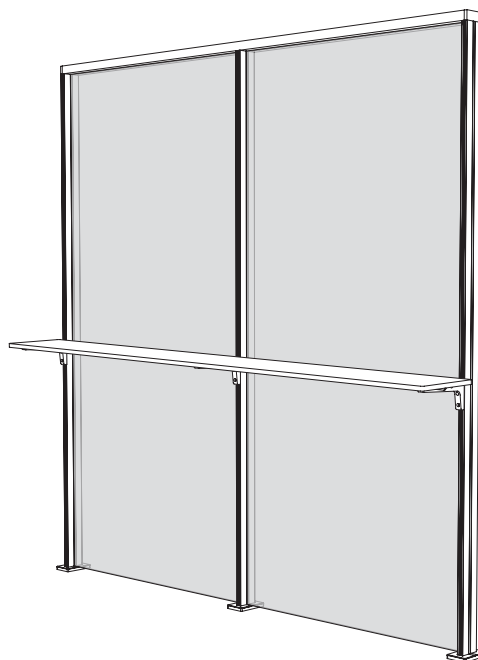
Standard overhang is 1½".

Weight rating of 10 lbs/ft.

Anodized aluminum bracket finish.

12" deep shelf.

Can be mounted to the inside and outside of the partition. Accessory slot must be present on Ittuo post to mount shelves.

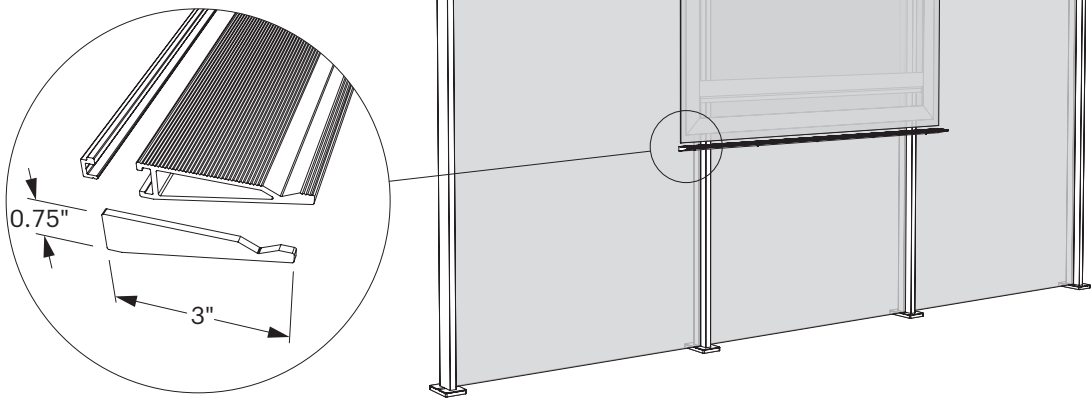


System Overview

Accessory Shelf

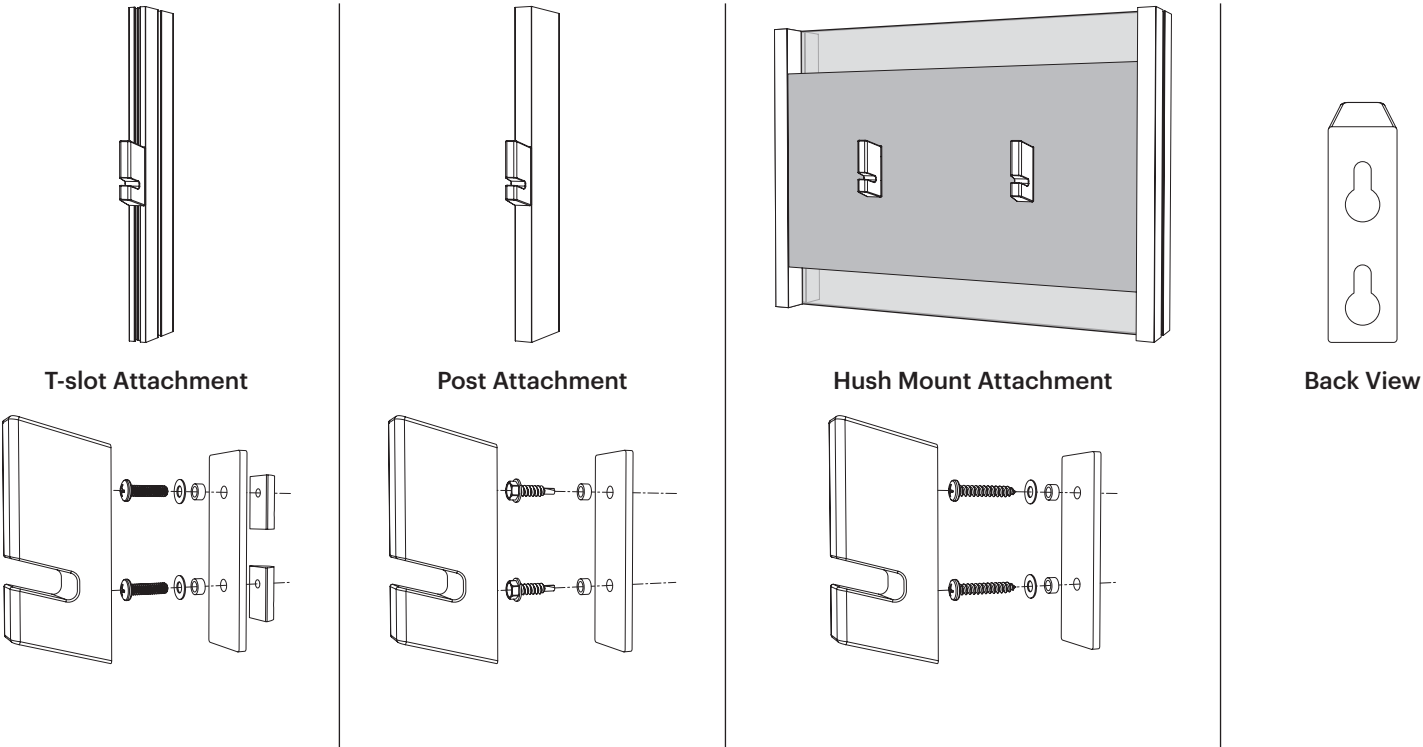
Accessory Shelves can be mounted on the wall, on Vertical Posts or directly to Hush Mount.

Shelves are made to size, up to 120" lengths.



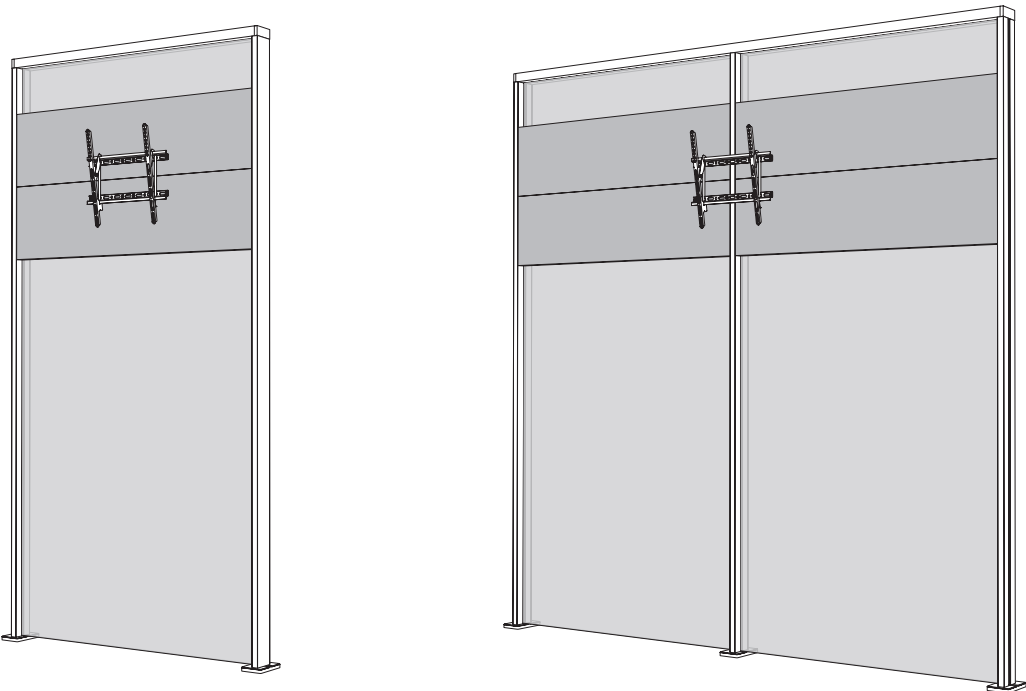
System Overview

Coat Hook



TV Mount

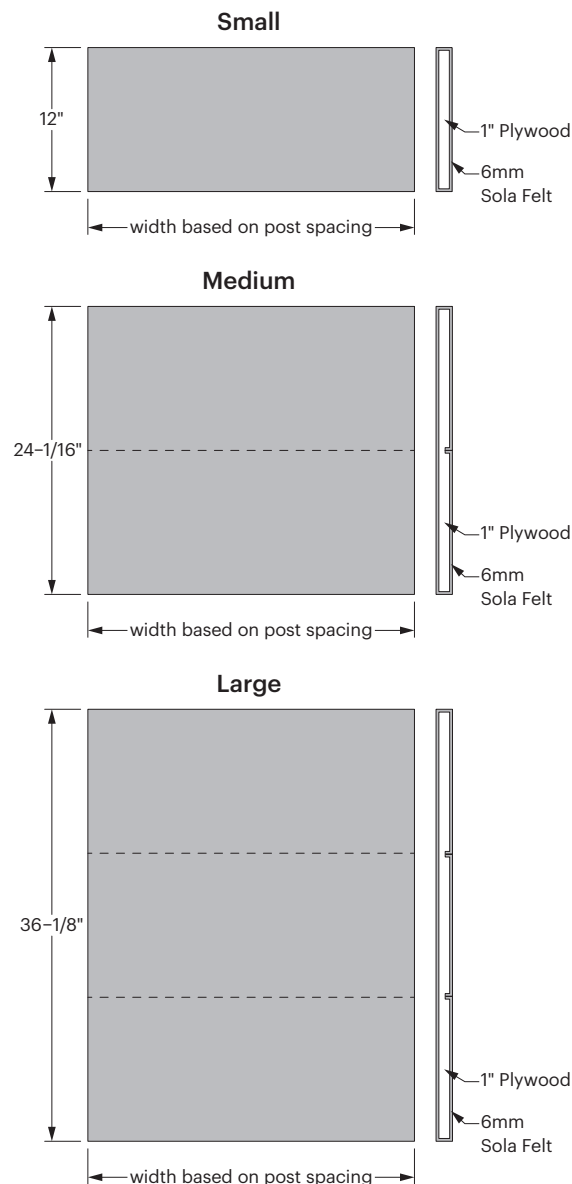
Universal TV mount (not included) shown mounted on a Medium Hush Mount. TV weight maximum of 150 lbs. Size limited by universal mount restrictions. Typically 30-80"



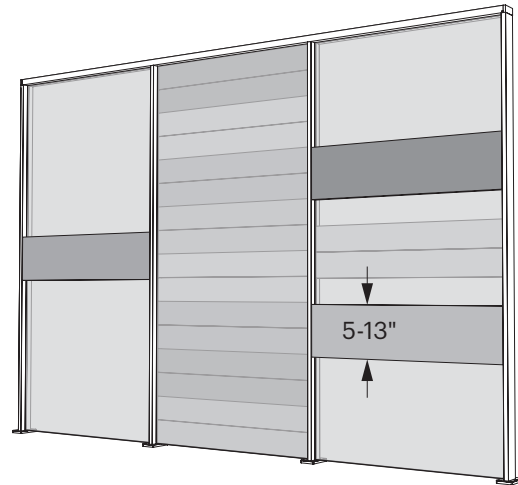
System Overview

Hush Mount

Hush Mount is constructed of a solid plywood base that is wrapped with Sola felt and has a NRC rating of 0.20. When used with the proper anchors and shims Hush Mount allows for various accessory attachments.



Hush Bar



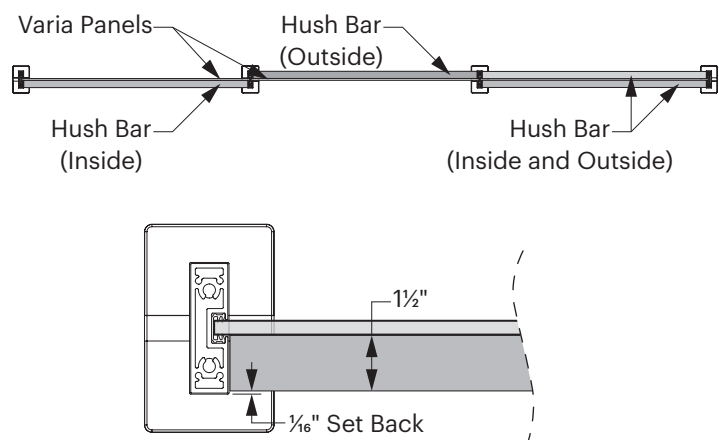
Create a private space within any Ultuo Structure. Hush Bars are constructed of Sola Felt and boast an NRC rating of 0.80. These absorptive bars contain sound and build a more comfortable environment.

Height: Variable between 5-13"

Width: Any width available, width determined by distance between Vertical Posts.

Can be specified to cover entire height between Vertical Posts or with any spacing desired. Hush Bars can be applied to inside or outside of Ultuo Structure.

***Varia panels have varied levels of translucency so accessories may be visible from both sides. Contact your 3form Representative to review questions or options.**



System Overview

Available Finishes for Hush Mount/Bar

Hush Mount and Hush Bar can be specified in a variety of color options.

See 3form's Sola Felt colors at:

<https://www.3-form.com/materials/sola-felt>

Flammability and Smoke Test Results

- Building Code Approvals

Hush Mount and Hush Bar have been independently tested and meet the criteria for approved interior finishes as described in the 2015 International Building Code®.

Material	Test - ASTM E84	Hush Mount/Bar	Result
Felt	Flame Spread Smoke Generated	15 450	Class A: 0-25 <450

Sound Absorption Test Results

Material	Test - ASTM C 423	Result
Hush Bar	Noise Reduction Coefficient	0.80
Hush Bar	Alpha - W	0.65 MH
Hush Mount	Noise Reduction Coefficient	0.20

Hush Mount/Bar Cleaning Instructions

Hush Mount and Hush Bar should be cleaned periodically. A regular, seasonal cleaning program will dramatically help prevent noticeable weathering and dirt build-up.

To remove airborne debris and dust, it is recommended to periodically vacuum Hush Mount and Hush Bar. Please note the slight shedding of fibers from the Felt is normal and not indicative of any defect.

To treat liquid stains, remove spills immediately using a clean damp cotton cloth or with detergent soap and warm water. Carpet and fabric cleaners can usually be used; always test an inconspicuous area before the actual stain.

Do:

- Vacuum or use a soft brush to clean Hush Mount and Hush Bar

Do not:

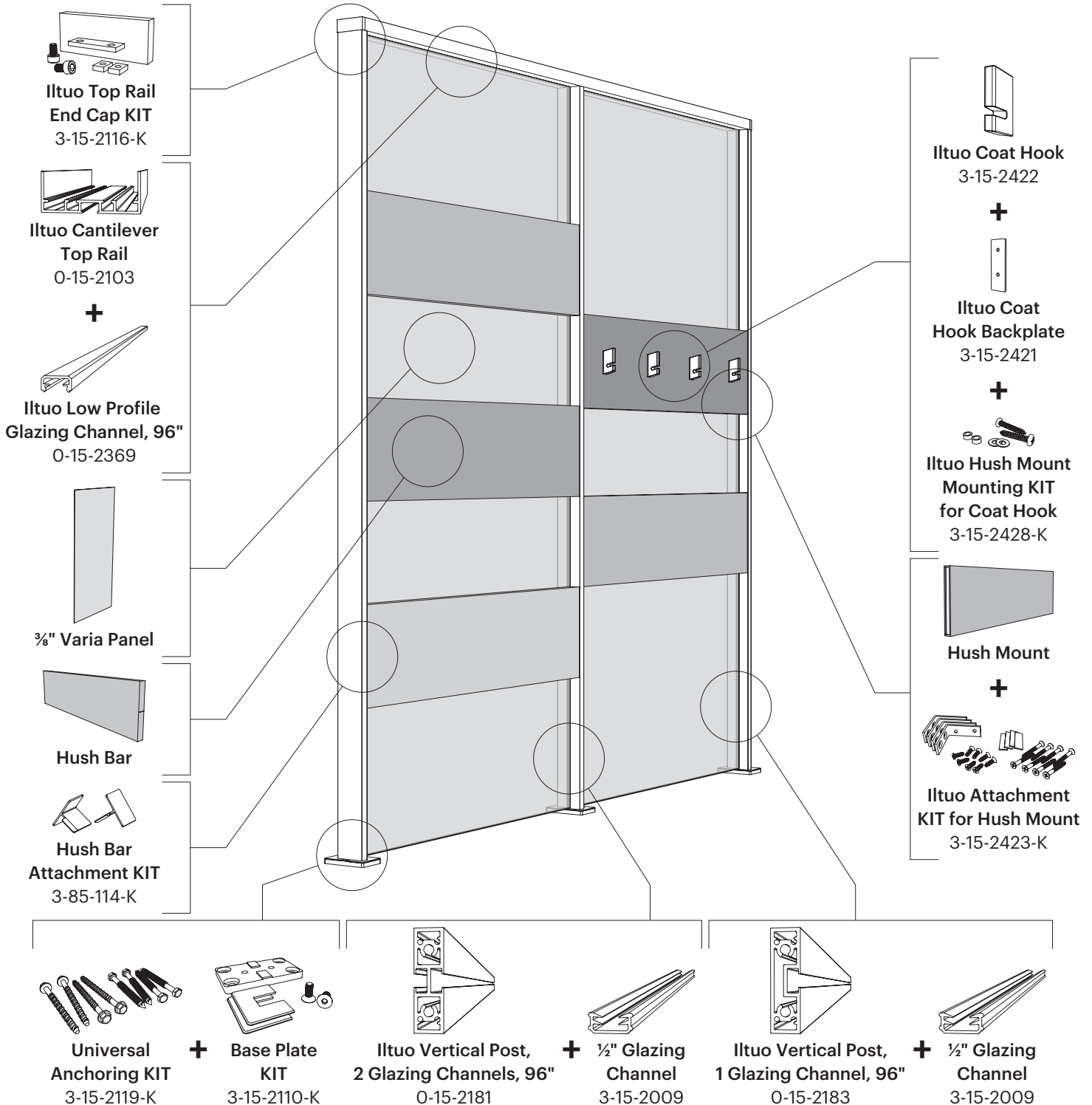
- Use strong solvents, highly alkaline or abrasive cleaning agents.
- Do not completely saturate module with cleaning solution or water.

Parts Overview



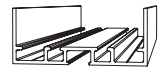
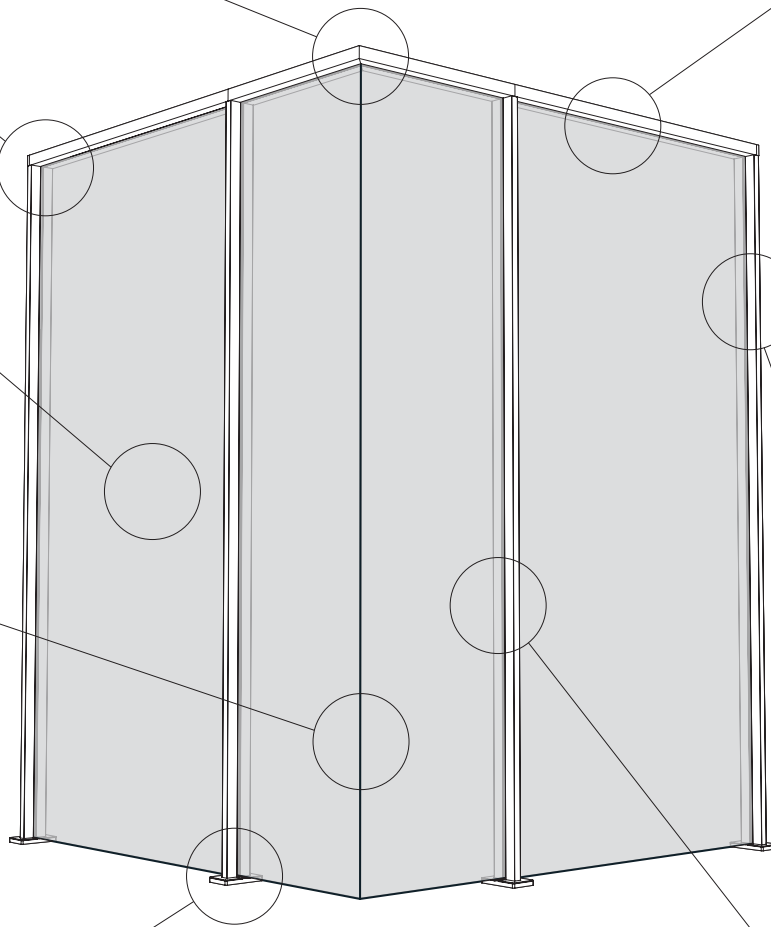
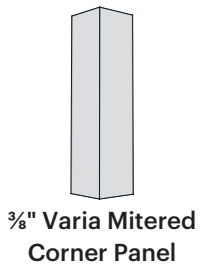
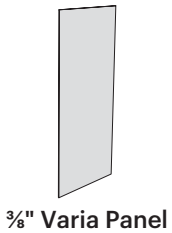
Solution 1: Cantilever with Varia

Example 1: I Configuration with Hush Mount, Hush Bar and Coat Hook



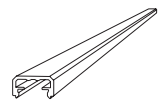
Solution 1: Cantilever with Varia

Example 2: L Configuration

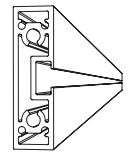


Ittuo Cantilever
Top Rail
0-15-2103

+

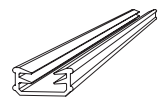


Ittuo Low Profile
Glazing Channel, 96"
0-15-2369

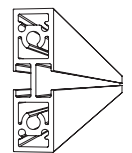


Ittuo Vertical Post,
1 Glazing Channel, 96"
0-15-2183

+

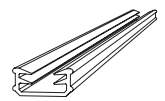


1/2" Glazing Channel
3-15-2009



Ittuo Vertical Post,
2 Glazing Channels, 96"
0-15-2181

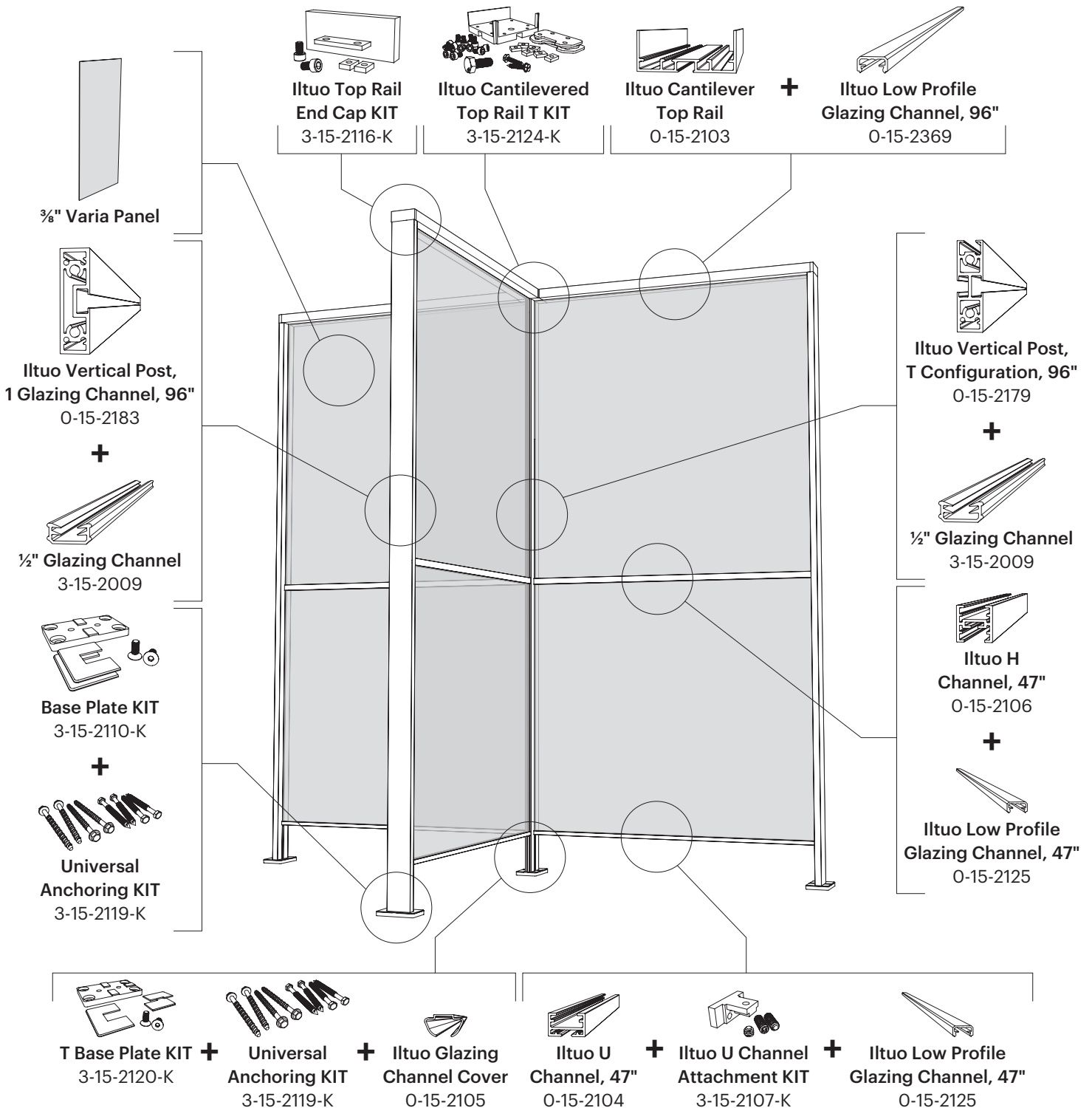
+



1/2" Glazing Channel
3-15-2009

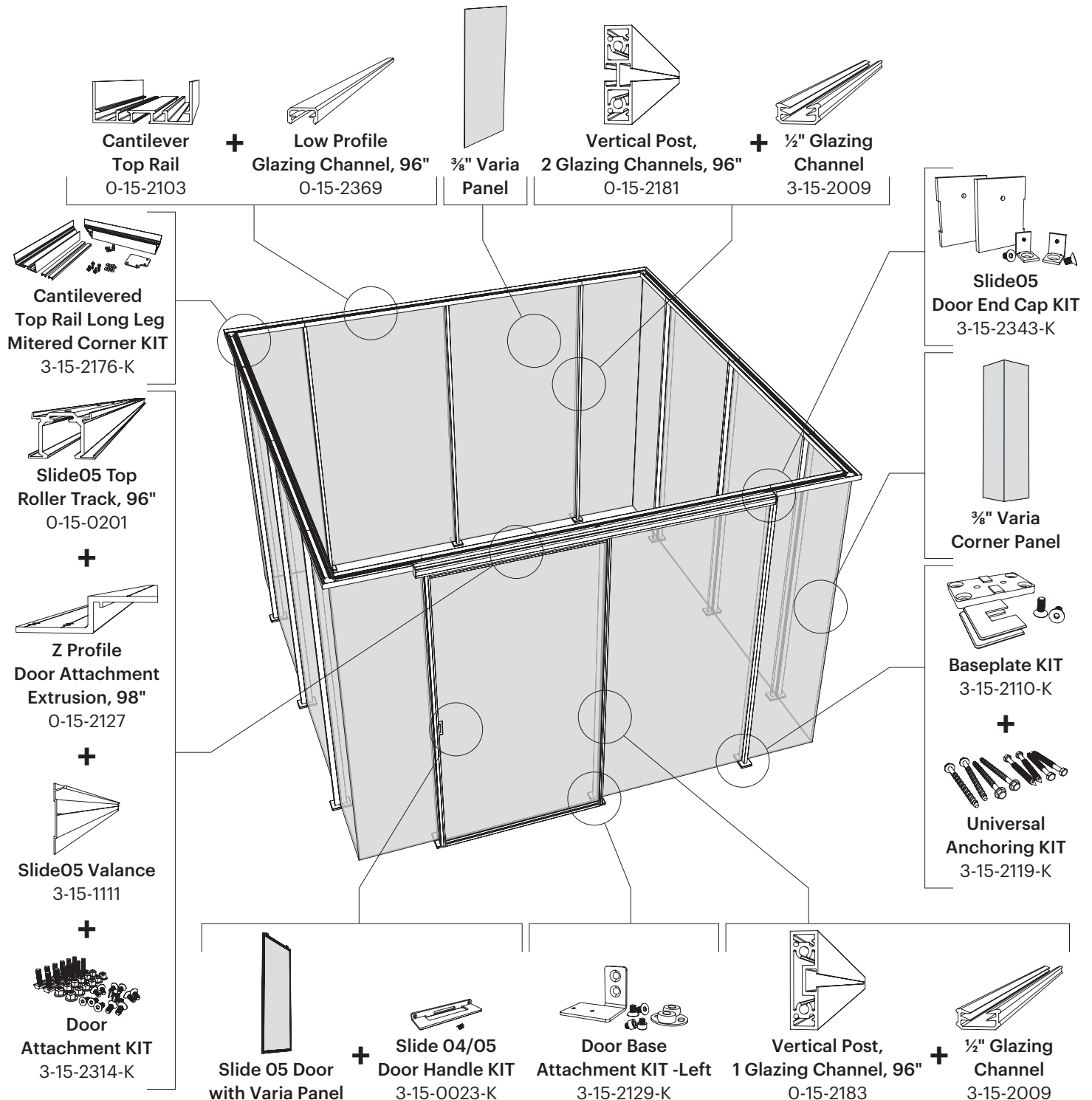
Solution 1: Cantilever with Varia

Example 3: T Configuration with Mullions and U Channel Lift



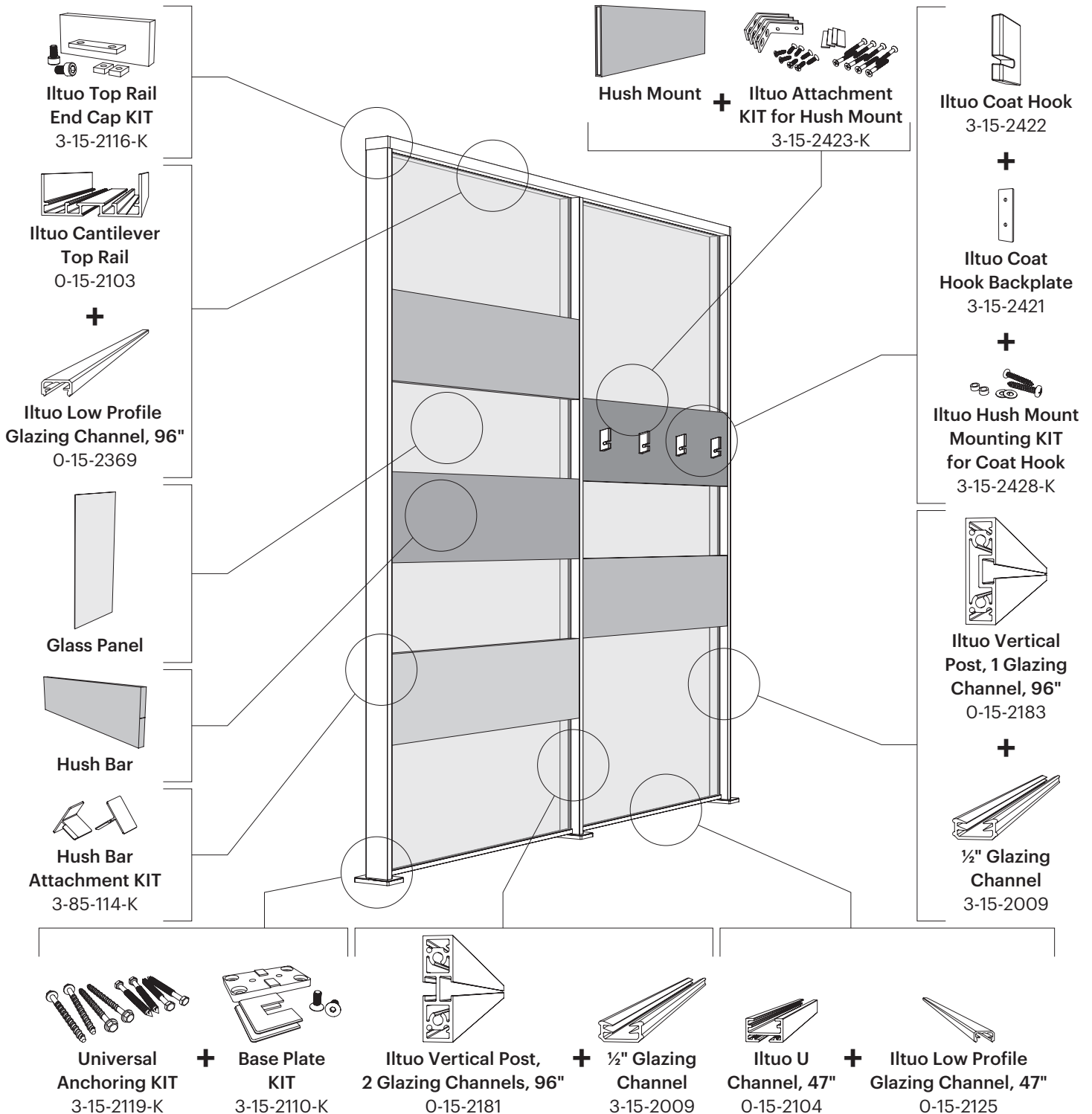
Solution 1: Cantilever with Varia

Example 4: O Configuration with Door



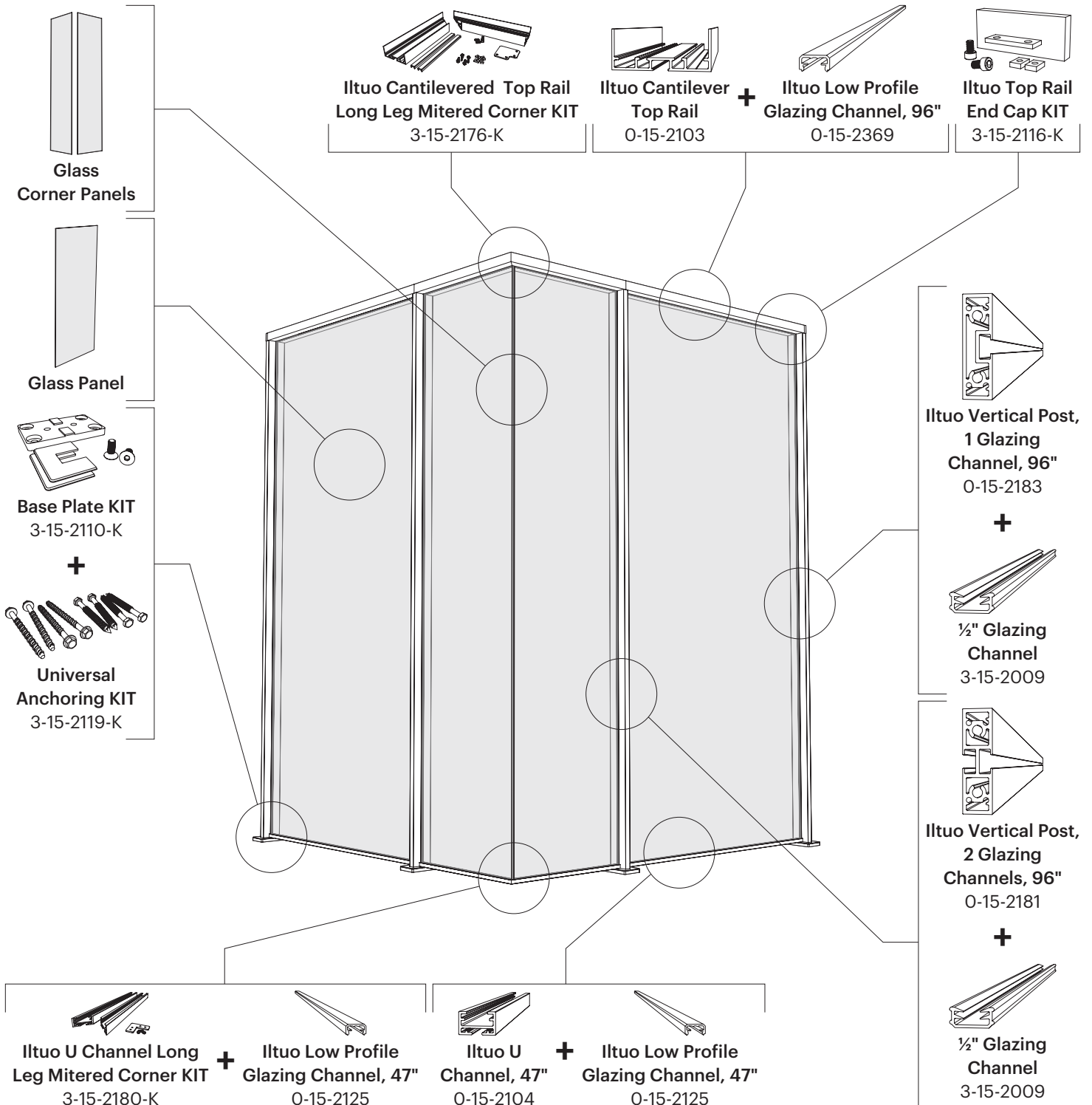
Solution 1: Cantilever with Glass

Example 5: I Configuration with Hush Mount, Hush Bar and Coat Hook



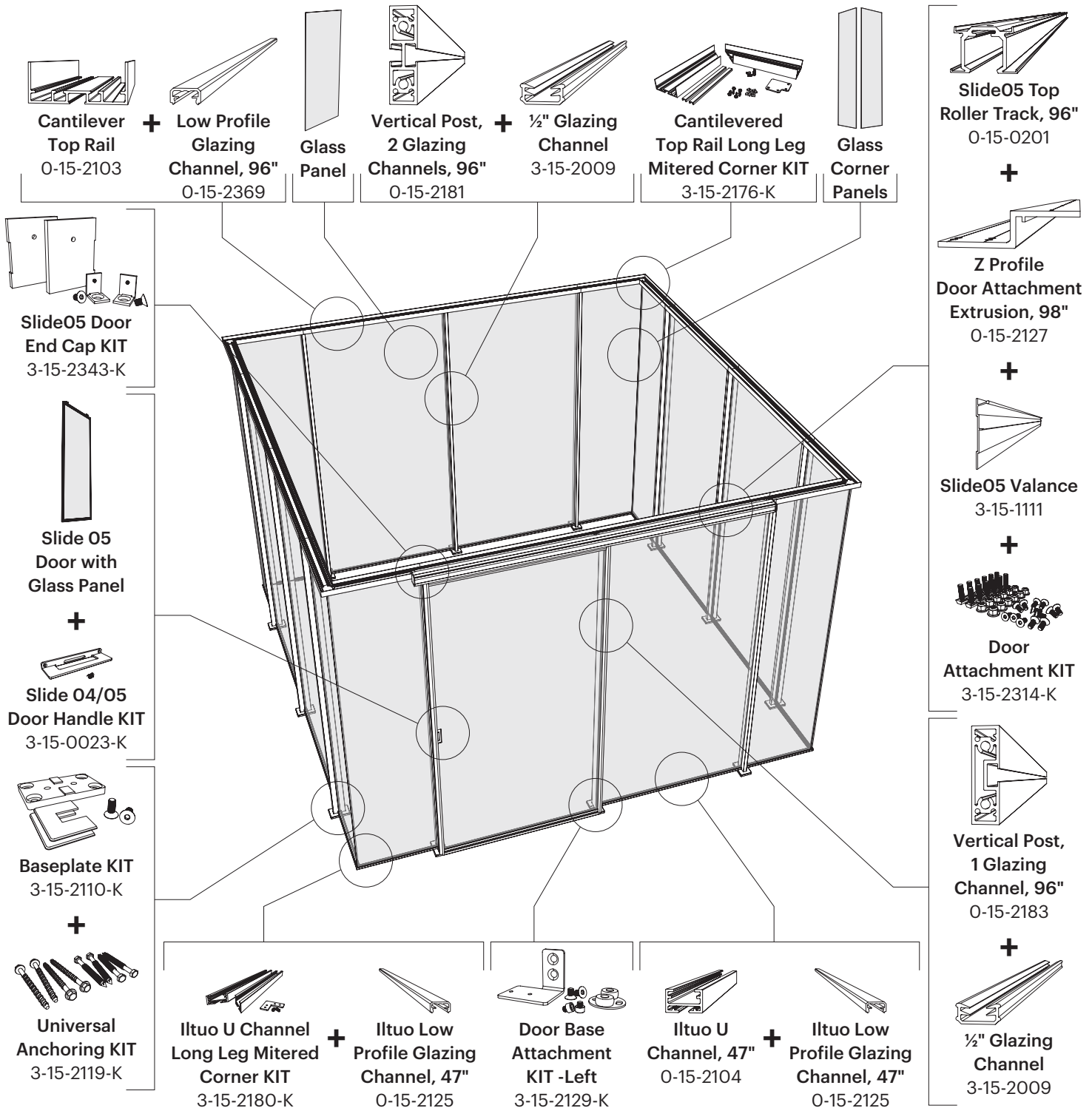
Solution 1: Cantilever with Glass

Example 6: L Configuration



Solution 1: Cantilever with Glass

Example 7: O Configuration with Door



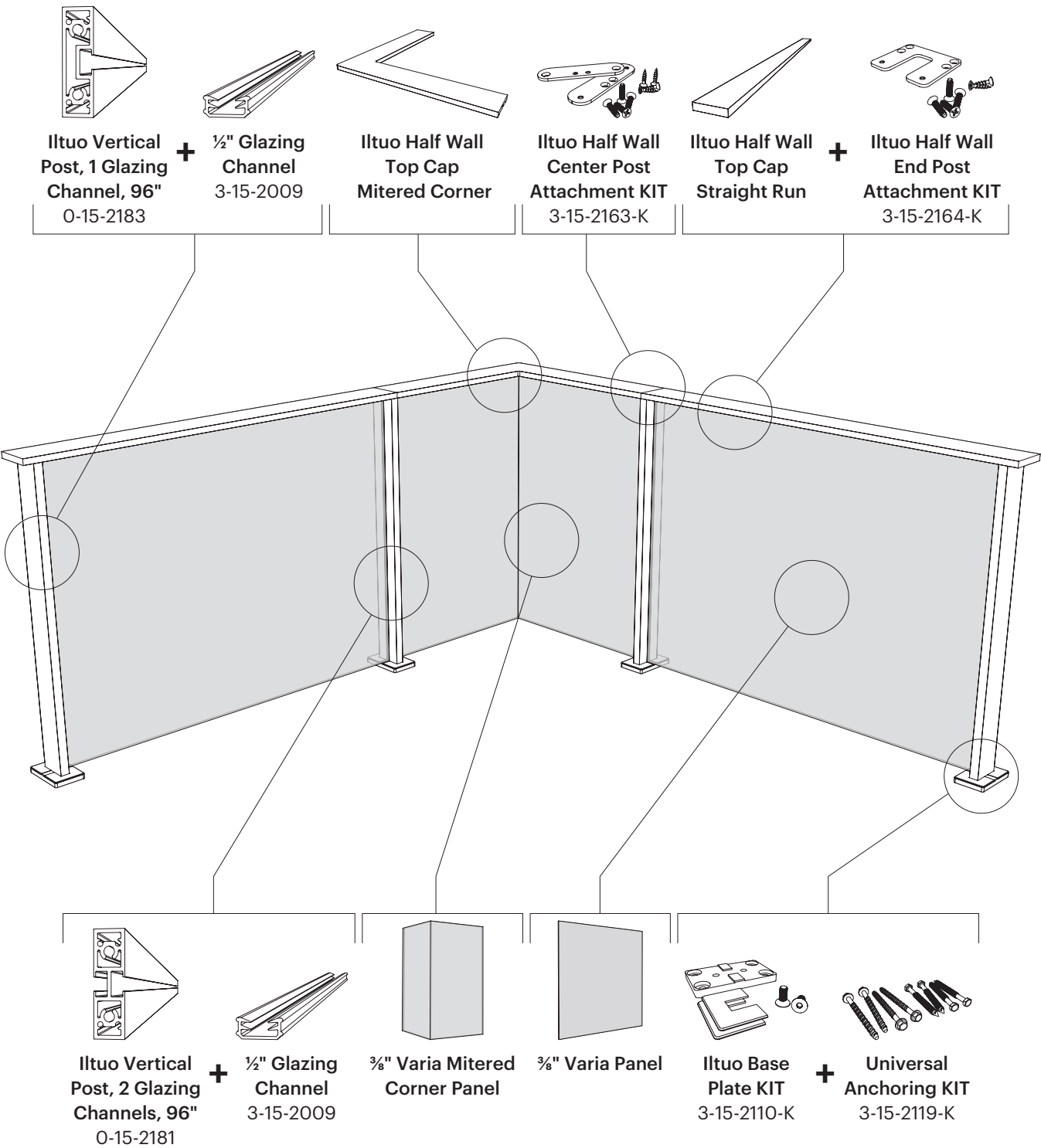
Solution 2: Half Wall Cantilever

Parts Overview



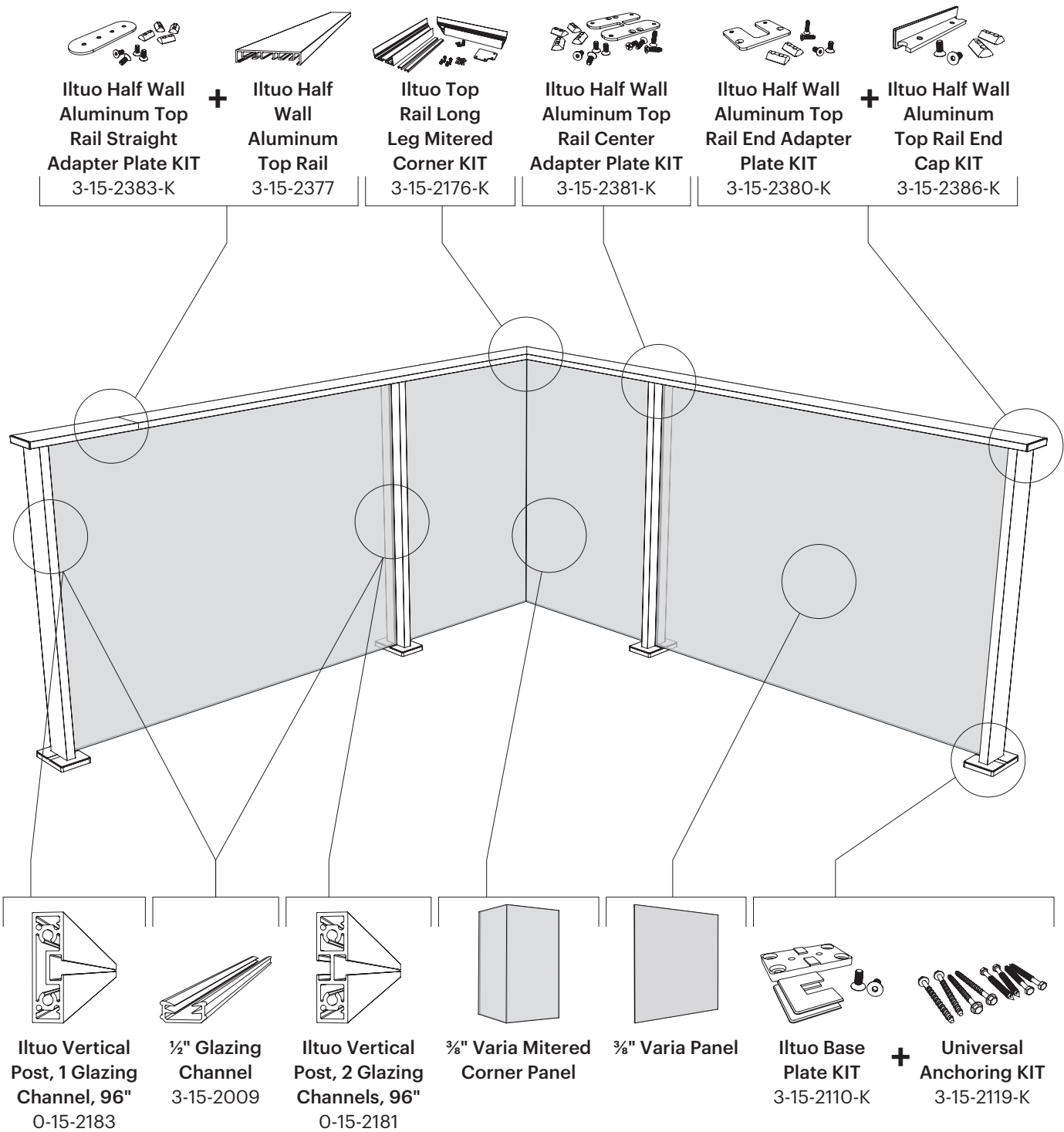
Solution 2: Half Wall Cantilever with Varia

Example 1: Wood, L Configuration



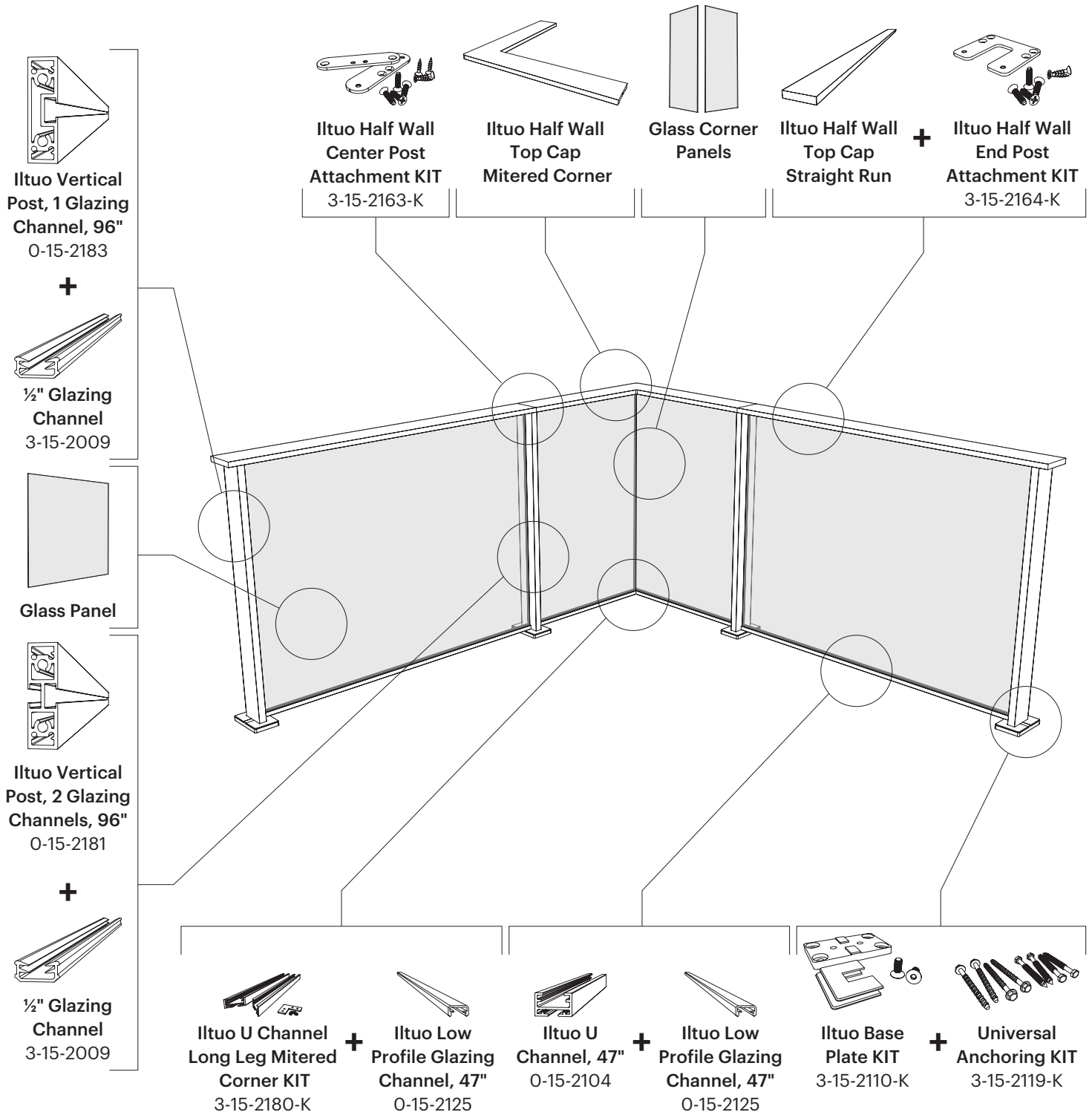
Solution 2: Half Wall Cantilever with Varia

Example 2: Aluminum, L Configuration



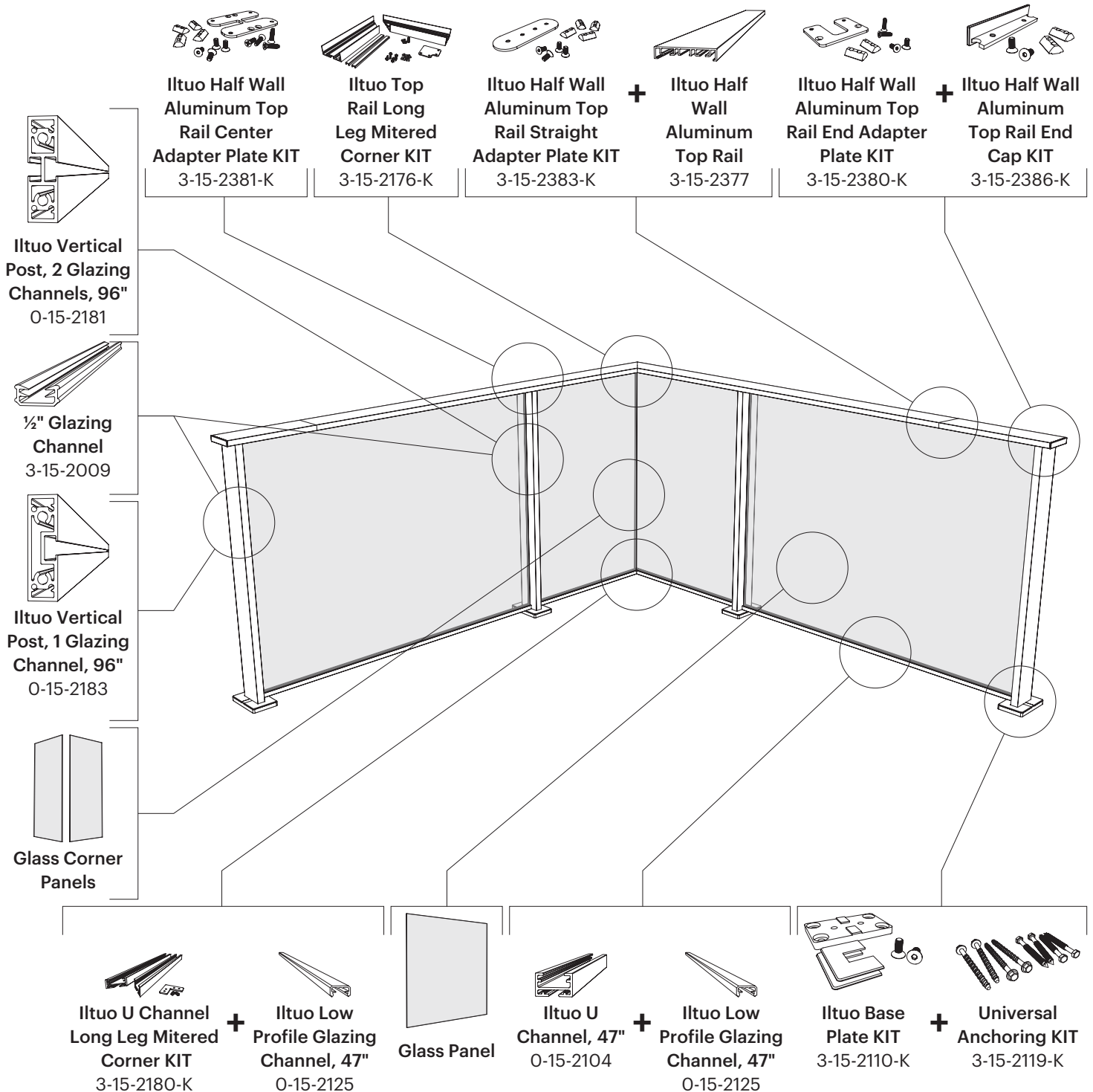
Solution 2: Half Wall Cantilever with Glass

Example 3: Wood, L Configuration



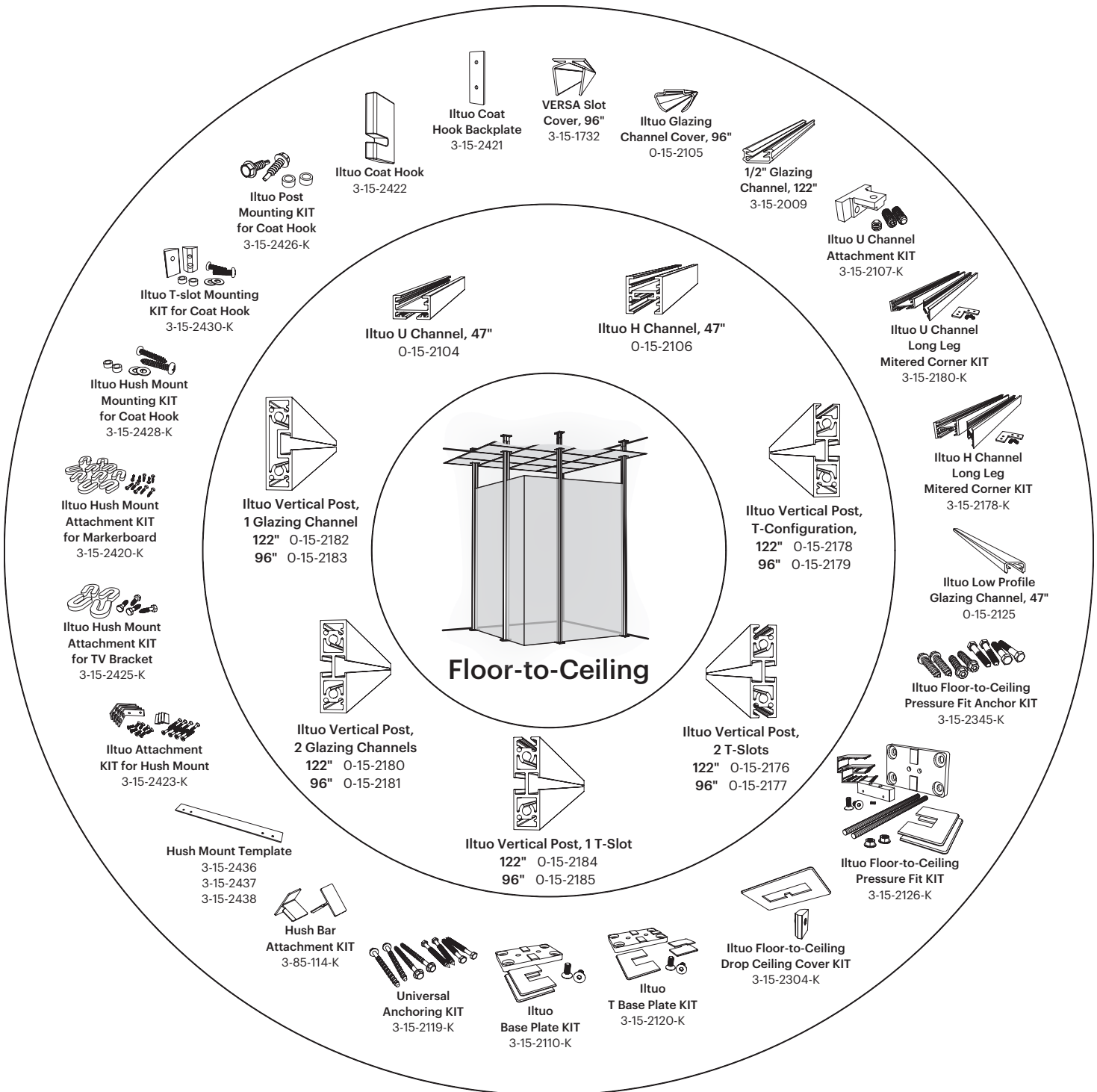
Solution 2: Half Wall Cantilever with Glass

Example 4: Aluminum, L Configuration



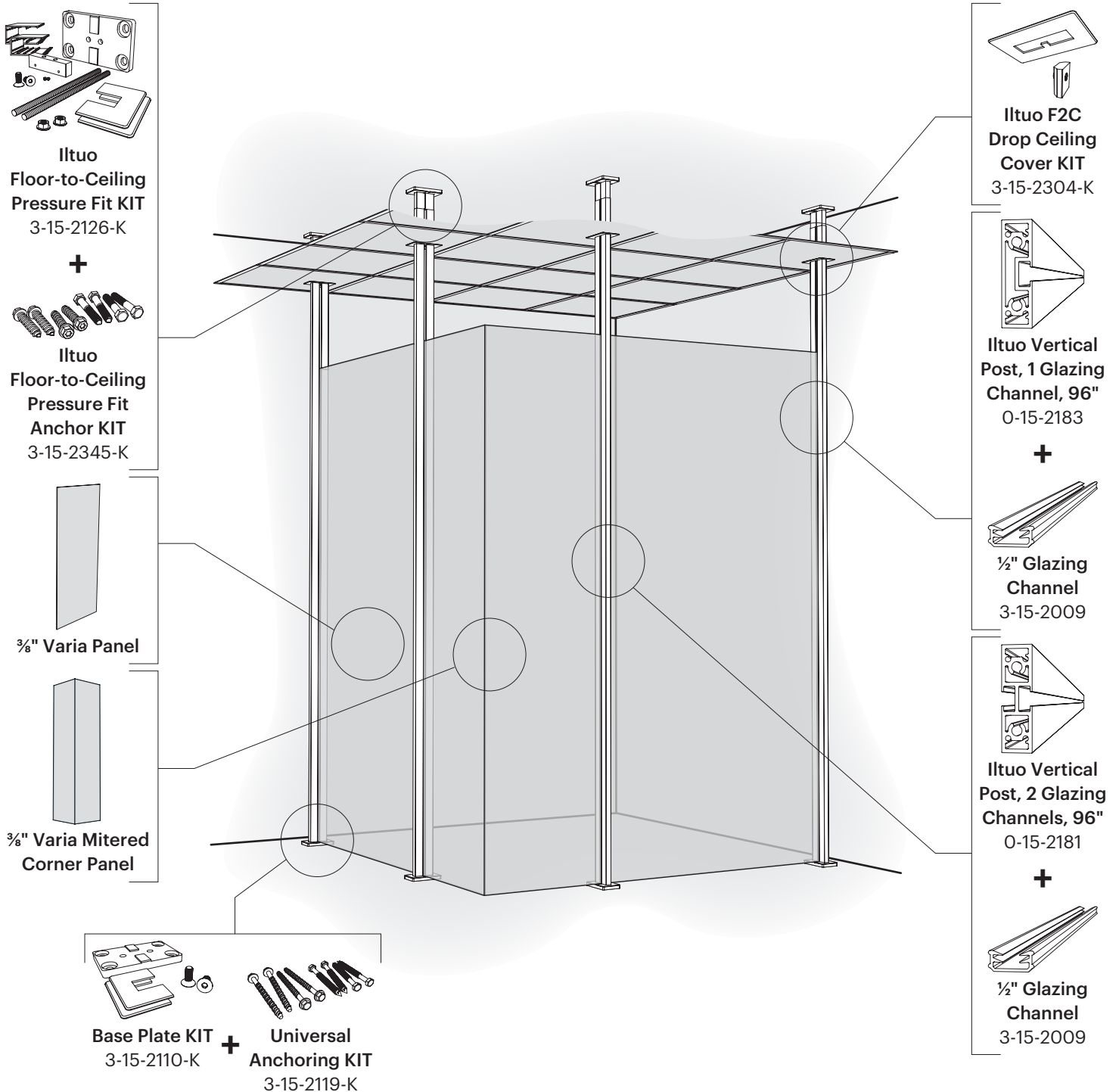
Solution 3: Floor-to-Ceiling

Parts Overview



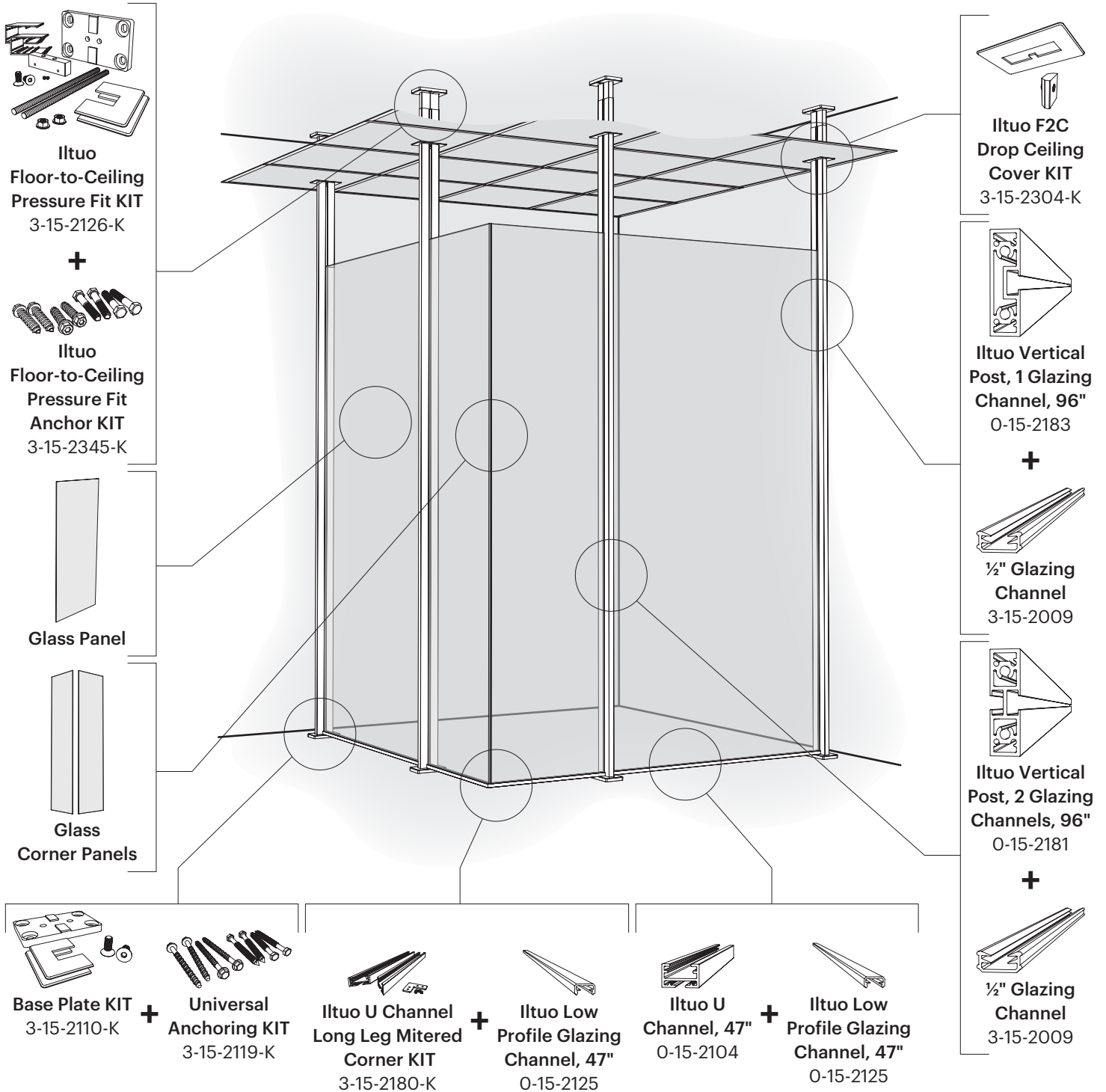
Solution 3: Floor-to-Ceiling with Varia

Example 1: L Configuration



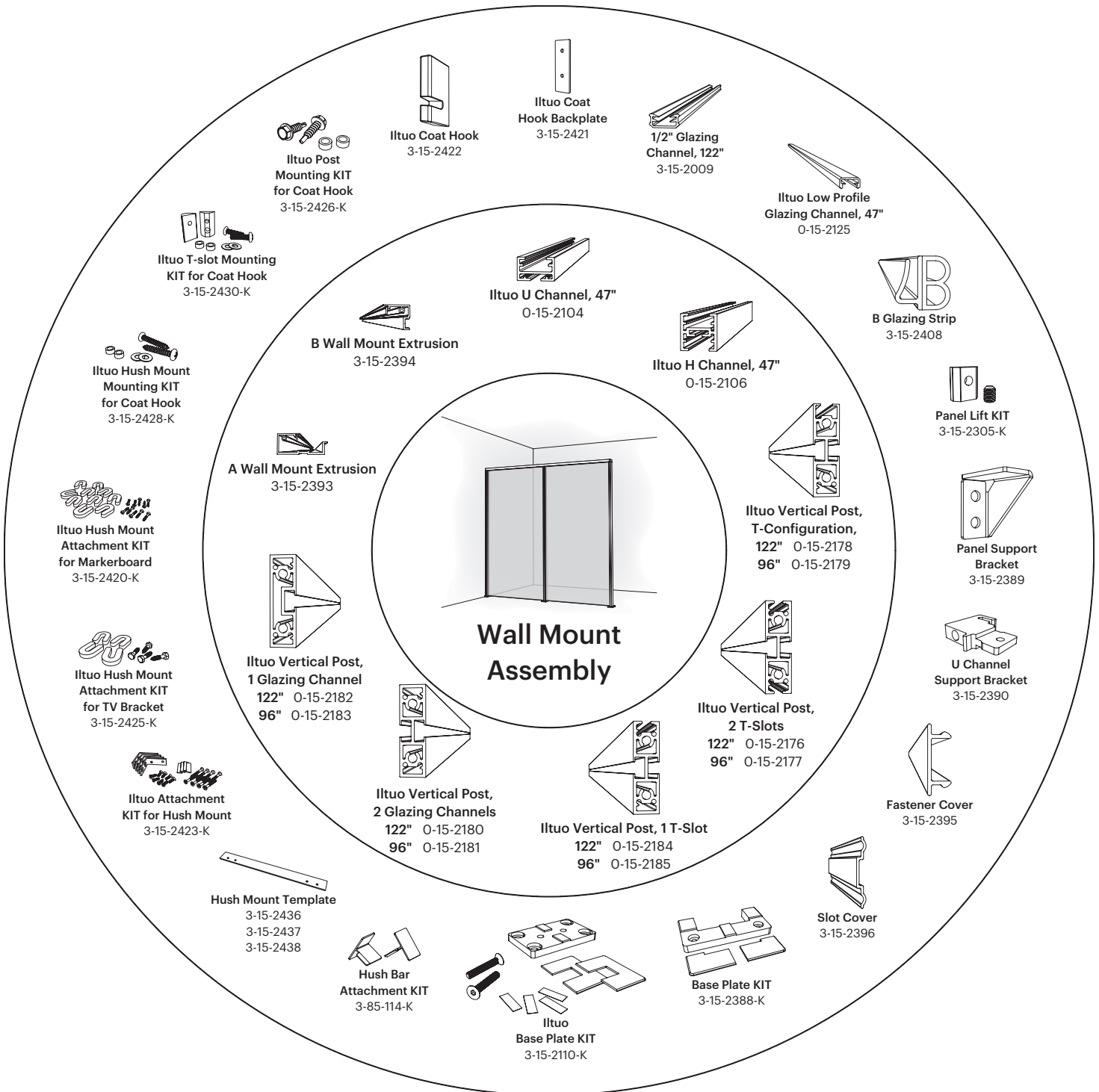
Solution 3: Floor-to-Ceiling with Glass

Example 2: L Configuration



Solution 4: Wall Mount Assembly

Parts Overview

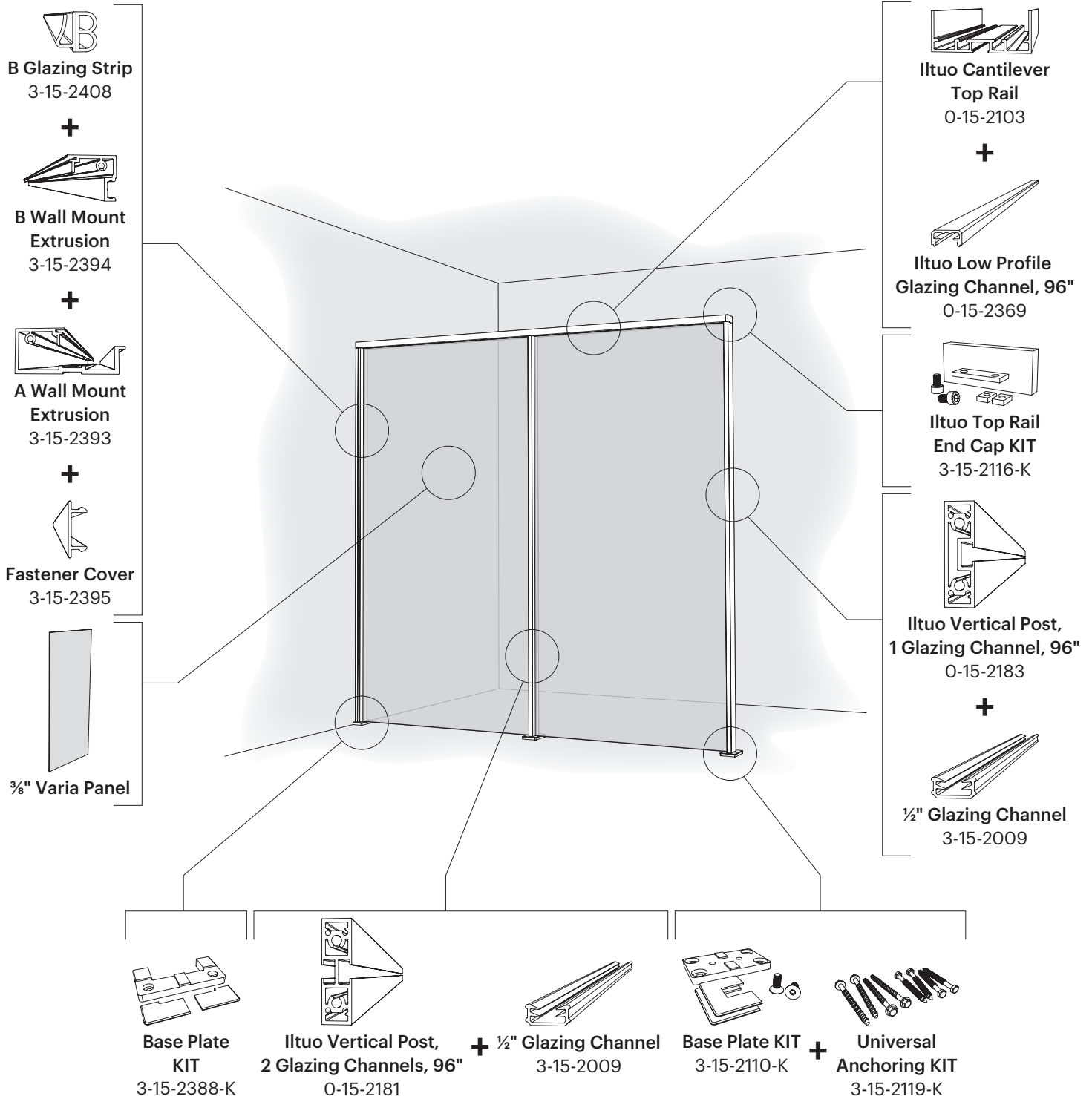


Example 1: Half Wall with Aluminum Top Rail



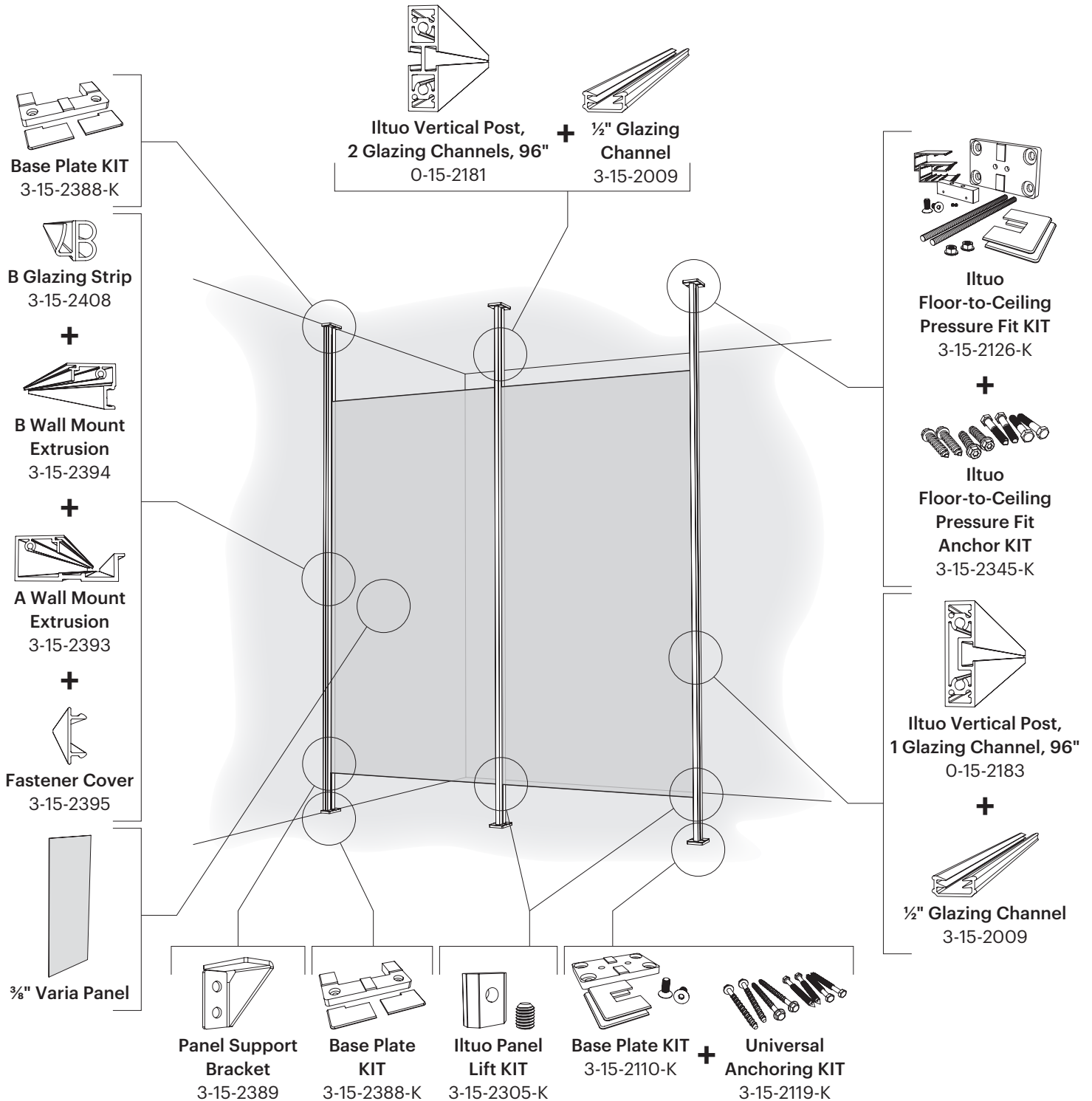
Solution 4: Wall Mount Assembly with Varia

Example 2: Cantilever



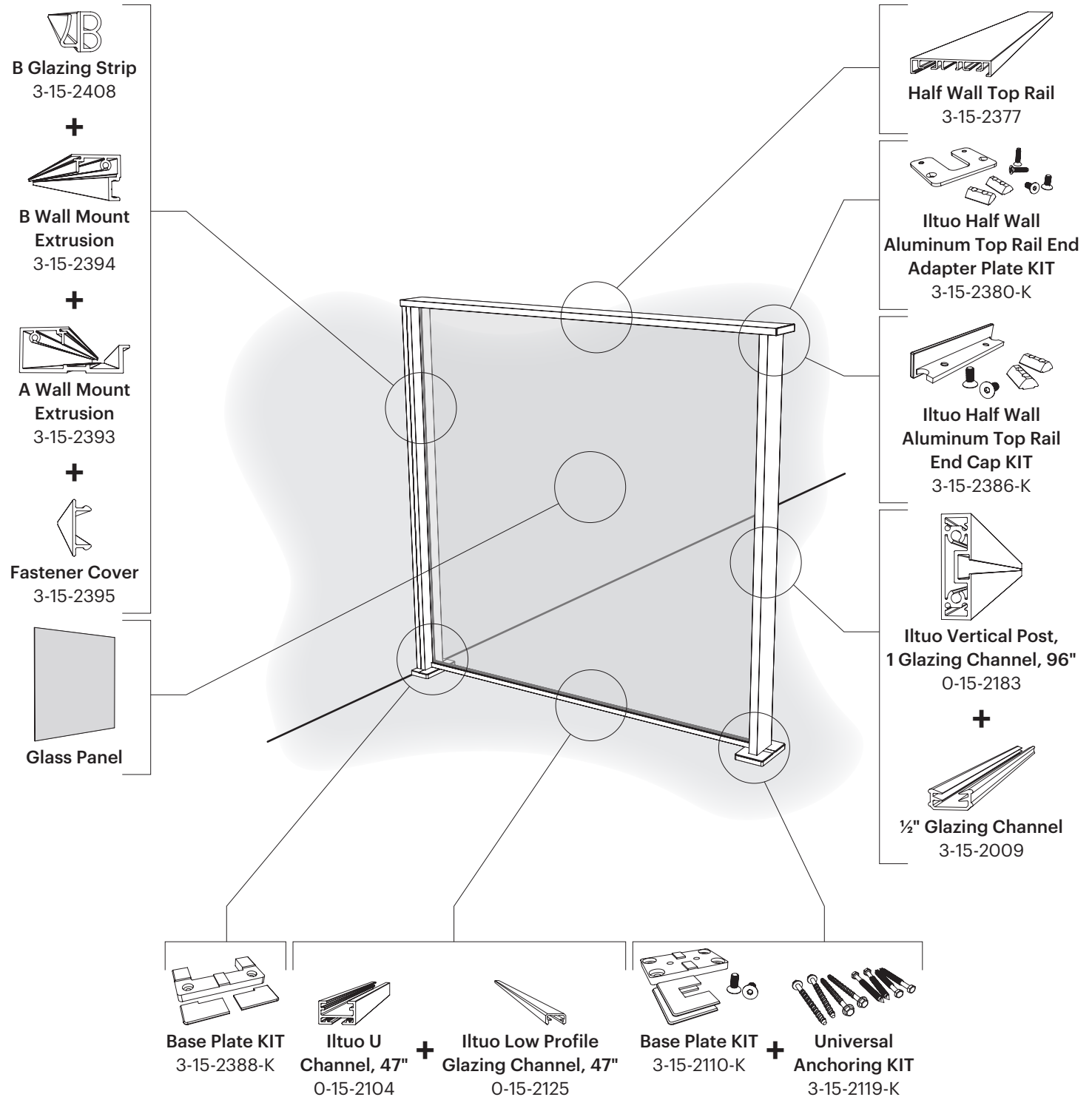
Solution 4: Wall Mount Assembly with Varia

Example 3: Floor-to-Ceiling



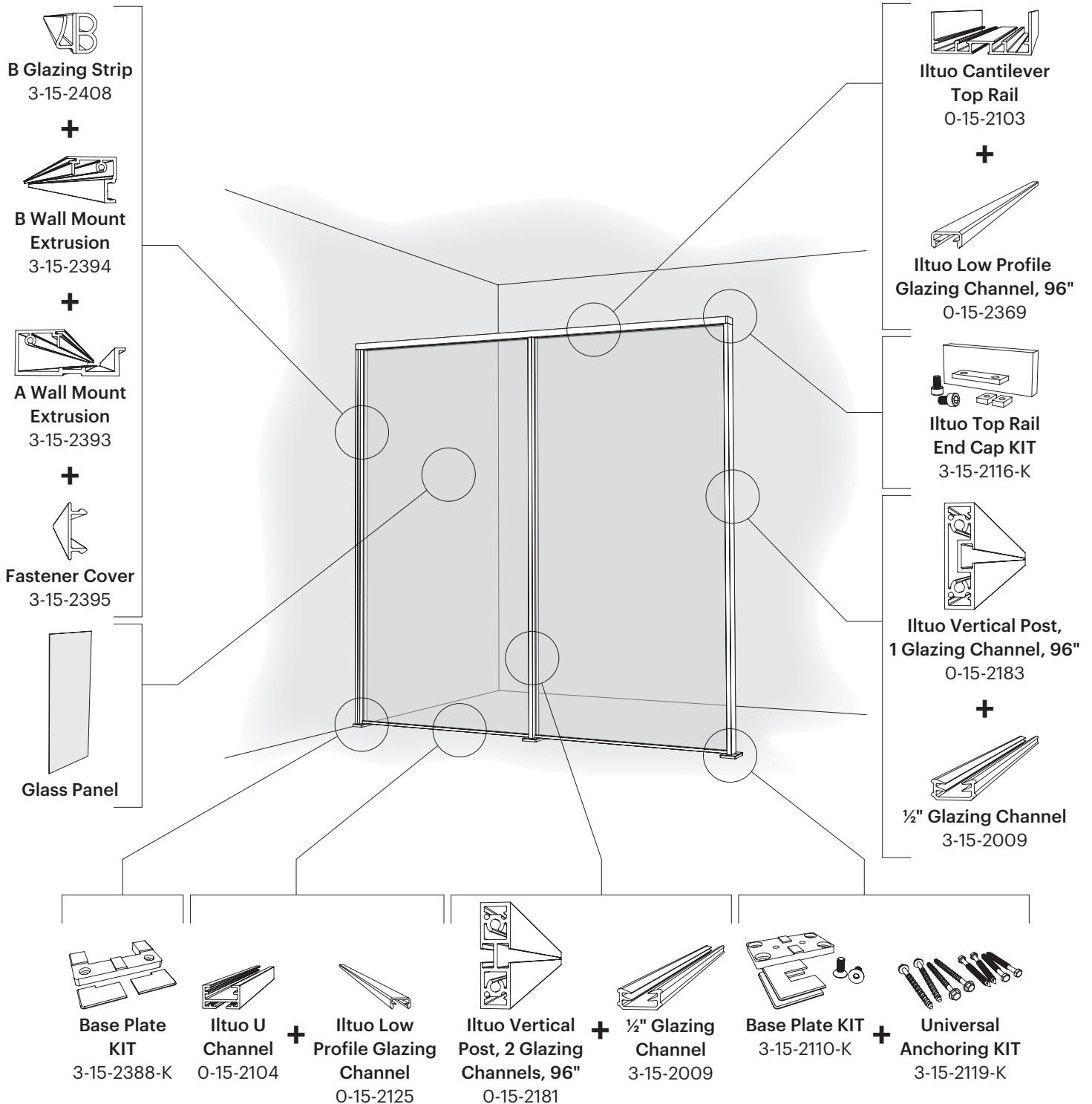
Solution 4: Wall Mount Assembly with Glass

Example 4: Half Wall with Aluminum Top Rail



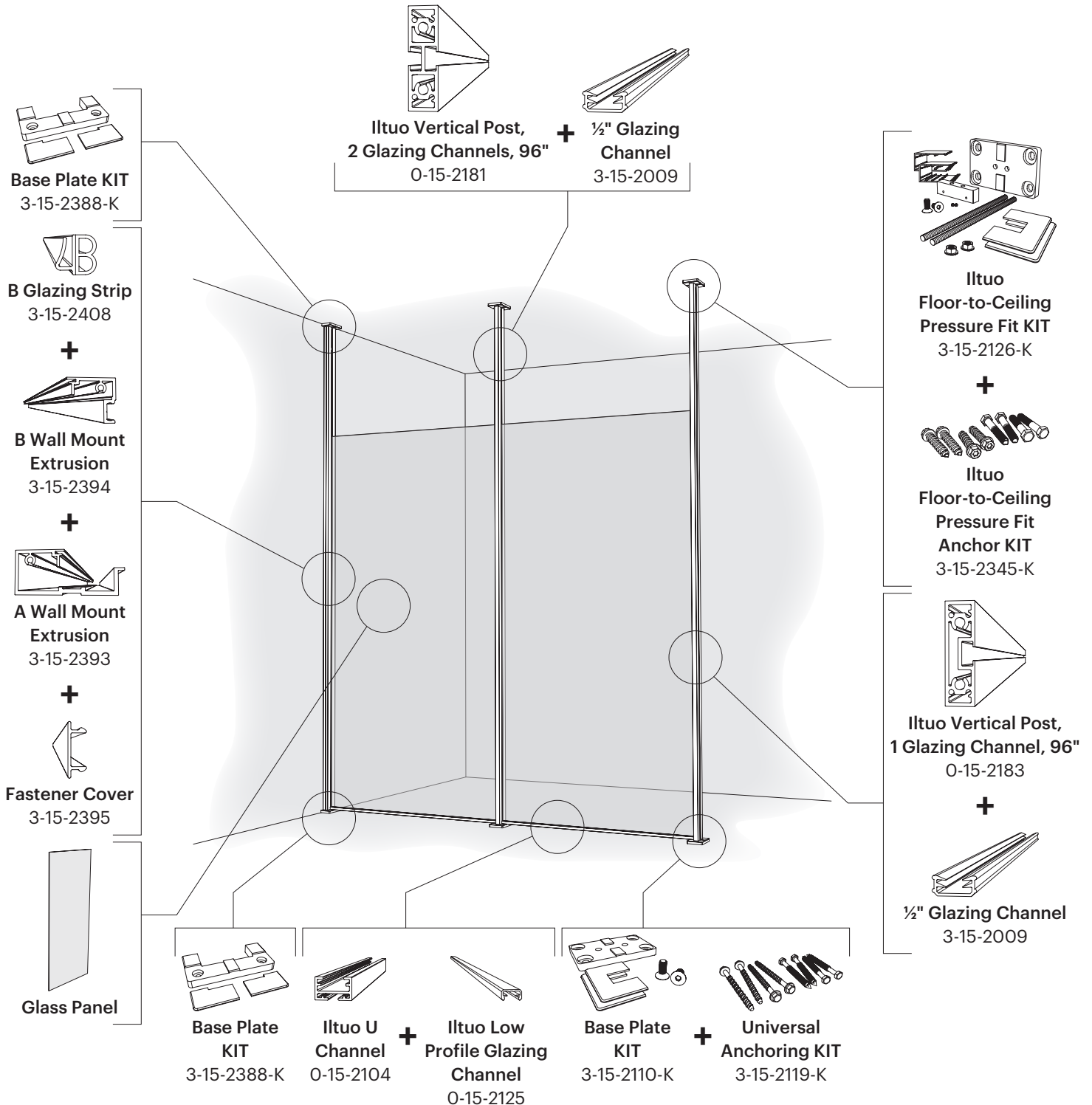
Solution 4: Wall Mount Assembly with Glass

Example 5: Cantilever



Solution 4: Wall Mount Assembly with Glass

Example 6: Floor-to-Ceiling



Installation

Ittuo Installation Method

Varia

The Ittuo System is designed to be installed in a linear fashion; meaning you first install the Ittuo Vertical Post with 1 Glazing Channel (fig. 10), then the first panel (fig. 11), then the second Vertical Post (fig. 12), then the second panel etc. Because of the requisite linear installation, it is recommended to place all the floor anchoring pilot holes first. A template is provided with every installation. Dry fitting is not recommended since the templates are designed to help account for installation tolerances.

Install post 1.

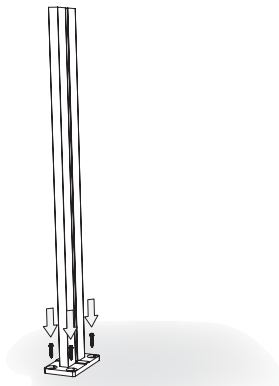


Figure 10

Install panel 1.

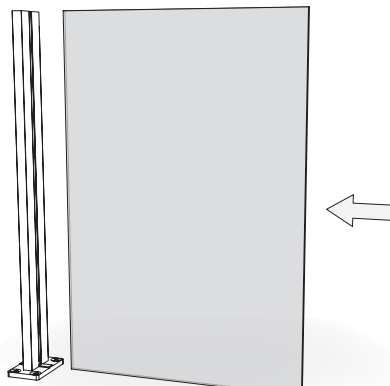


Figure 11

Install post 2 onto panel 1, then fasten post 2 to floor.

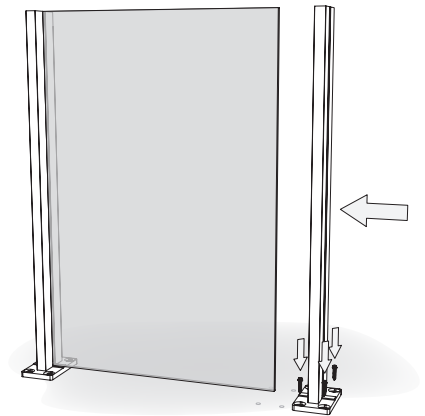


Figure 12

Glass

Ittuo with glass is installed in a similar manner. You first install the Ittuo Vertical Post with 1 Glazing Channel (fig. 10), then the first U Channel and panel (fig. 13), then the second Vertical Post (fig. 14), then the second U Channel and panel etc.

Install post 1.

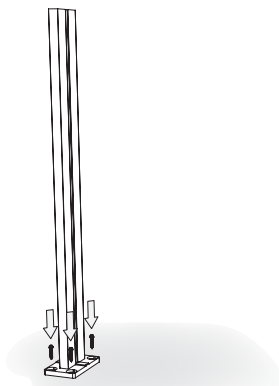


Figure 13

Install U channel and panel 1.

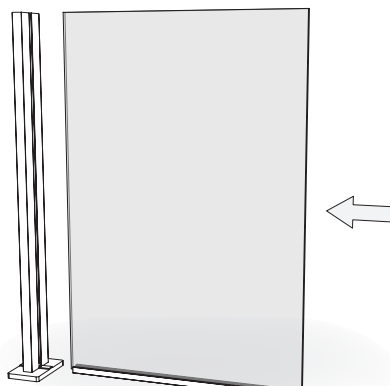


Figure 14

Install post 2 onto panel 1, then fasten post 2 to floor.

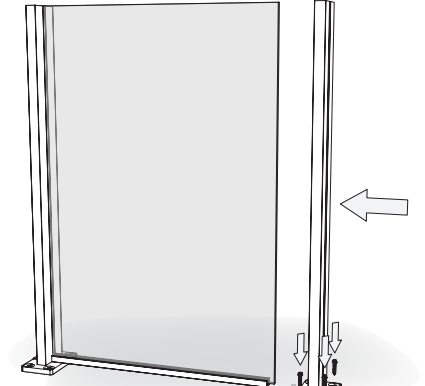
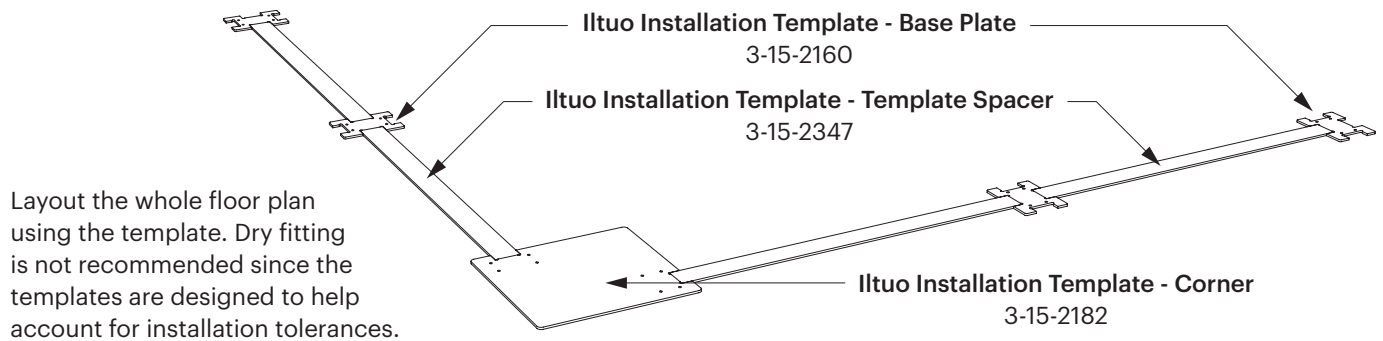


Figure 15

Installation: Vertical Post Assembly

1 Drill Pilot Holes

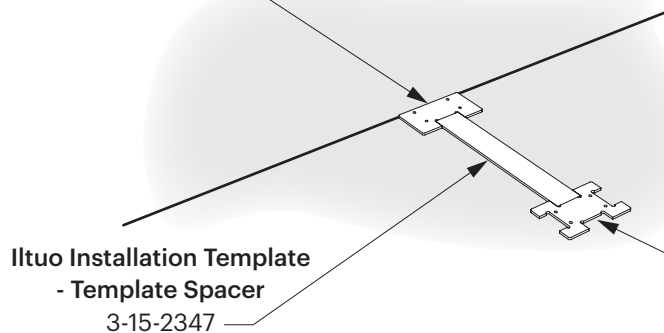
- a** Two standard template parts will be provided; a base plate template (3-15-2160) and a corner template (3-15-2182). (If your configuration doesn't include a corner, only the base plate template will be supplied). The base plate template has hole locations for drilling. Spacers will also be provided, unique to your configurations; cut to size based off post dimensions in the quoting phase.



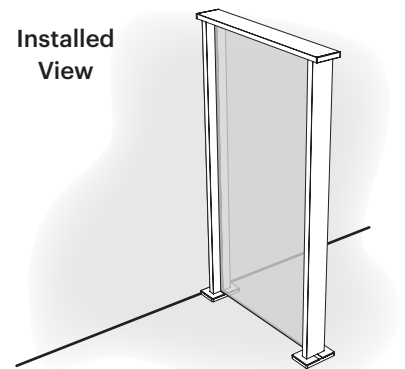
If there is a corner on the installation, use the corner template and set those posts and base plates first. This is a fixed dimension and needs to be set before other posts to build out from.

- b** If your Ittuo System butts up against the wall with a standard vertical post, use a Wall Abutting Base Plate (3-15-2378) at the location against a wall.

Ittuo Installation Template
- Wall Abutting Base Plate
3-15-2378



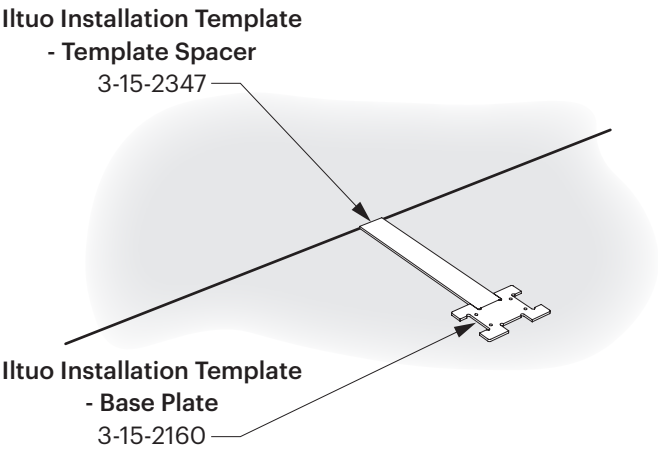
Ittuo Installation Template
- Base Plate
3-15-2160



Installation: Vertical Post Assembly

1 Drill Pilot Holes *cont...*

C If your Ittuo System includes a wall mount extrusion, put the appropriately length spacer (3-15-2347) directly against the wall to get the correct spacing from the wall to the vertical posts. Please note that there are no pilot holes to drill for the wall mount extrusion and this piece is placed after all the vertical posts, panels and top rails and caps are built.



d Following the Ittuo Installation Template, drill pilot holes. Use appropriate pilot hole diameter and depth for the type of substrate you are fastening to.

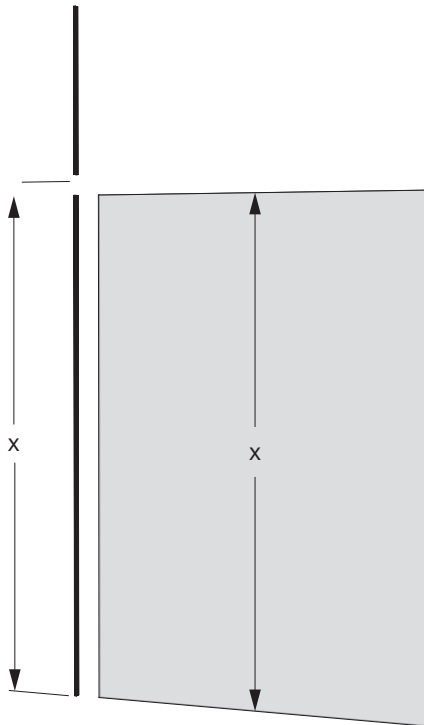
**3form stocks the drill bits required for the concrete and wood pilot holes. If you wish to purchase a drill bit, please contact your 3form sales representative.*

Substrate	Ø	Drill Bit	Depth	Anchors
Concrete	8mm	3-15-2350	min 4.3"	3-15-2309
Wood	3/16"	3-15-2335	min 3.5"	3-15-2310

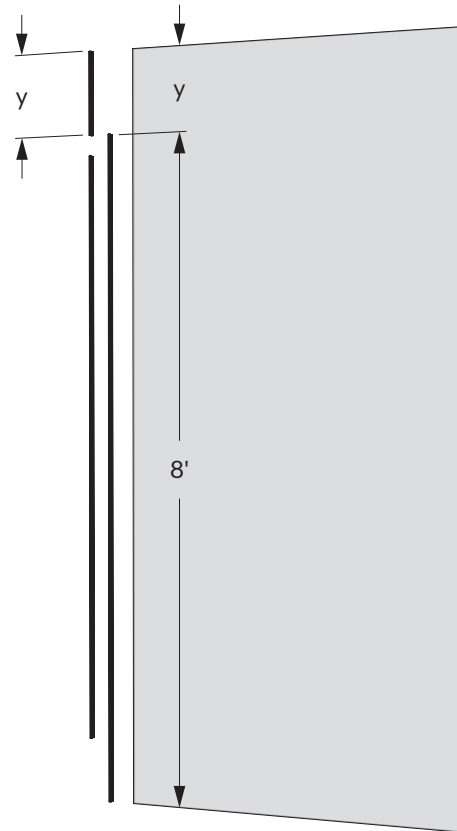
Installation: Vertical Post Assembly

2 Assemble Vertical Post

- a** Standard length of the Glazing Channel (3-15-2009 or 3-15-xxxx) is 8'. Measure the height of Varia or Glass Panel to be used with the Glazing Channel and cut it to that same height.



- b** If the height of the Varia or Glass Panel exceeds 8', cut a second Glazing Channel to the height of the Panel that exceeds 8' and install a full Glazing Channel plus cut length into the same slot in the Vertical Post.



- c**
-
- (x2)
3-15-2308
- Ultuo Vertical Post
- Base Plate
3-15-2110
- Tapped End of Profile
- Glazing Channel
3-15-2009 or 3-15-xxxx

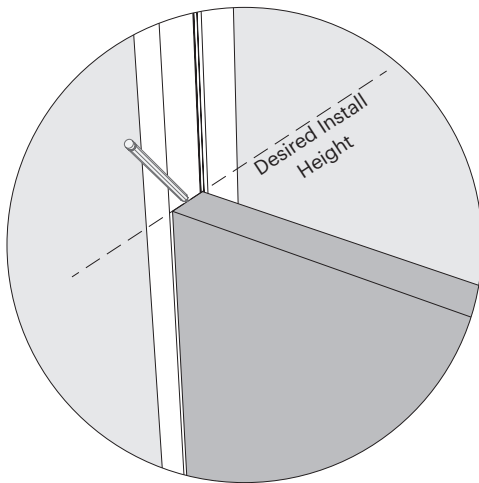
If using an Ultuo Vertical Post T Configuration, use T Profile Base Plate (3-15-2120).

Installation: Vertical Post Assembly

3 Determine and Mark Desired Position for Hush Mount

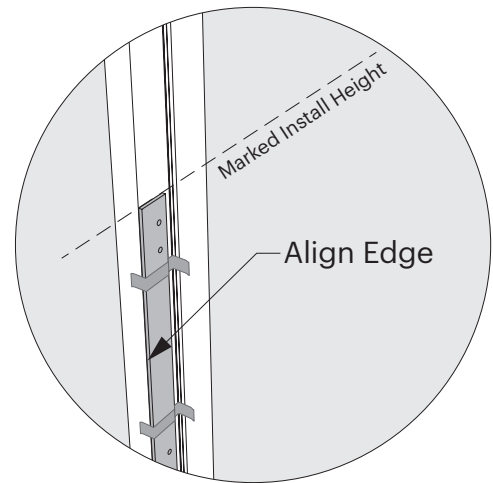
Only applies to applications including Hush Mount.

- a** Locate the correct Ittuo post for Hush Mount attachment. Mark height of top of Hush Mount installation. There is a small vertical adjustment in the attachment bracket to allow for post shimming and on-site floor variance when using this method.



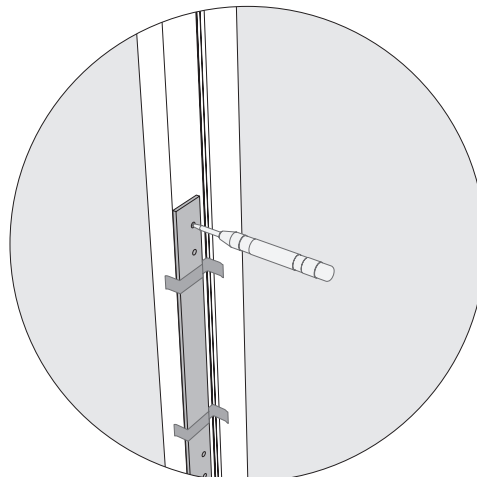
If Hush Bars will be installed to fill the void space around the Hush Mount, ensure the height of the Hush Mount accommodates this.

- b** Align the provided template with this mark and the front edge of the Ittuo post. The template represents the total height of each Hush Mount. The template edge should be aligned so there is a larger space towards the front of the post.



3form recommends taping and/or clamping the template to the post during this step to get the spacing correct so that the Hush Mount aligns with the Hush Bar faces.

- c** Mark the hole locations (4 per hush mount on a single post) and double check that they are the same distance from the front edge (or that your template has not slipped).

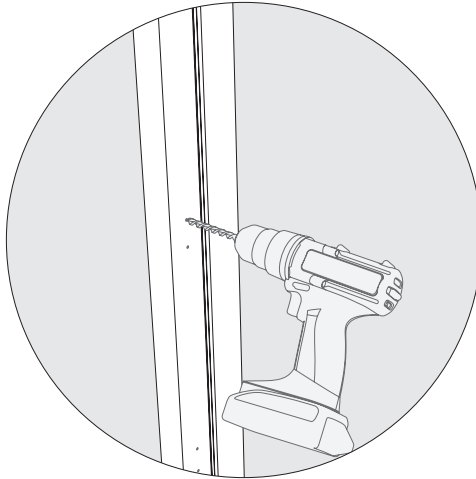


Use a center punch to mark the center locations and for your drill bit to not walk as you are drilling these pilot holes.

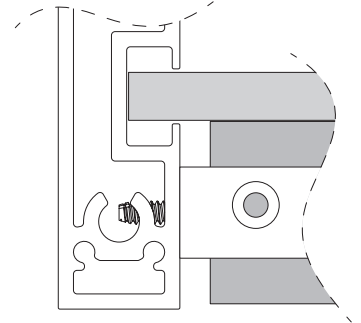
Installation: Vertical Post Assembly

3 Determine and Mark Desired Position for Hush Mount *cont...*

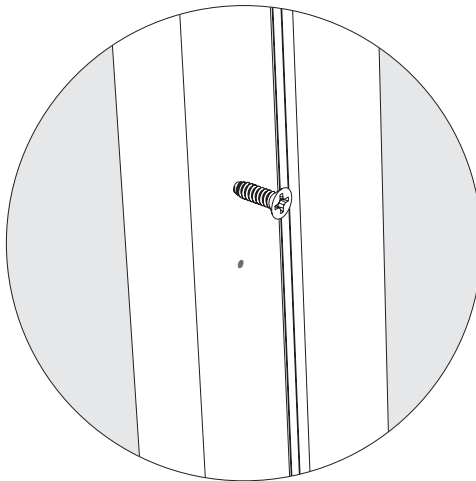
- d** Using included 17 gauge metal drill bit (3-15-2419), drill through 2 wall thicknesses in the post. ($\frac{1}{2}$ " deep). The holes should be drilled perpendicular to the face of the post.



The screw is $\frac{5}{8}$ " long and will reach just shy of the centerline of the post.



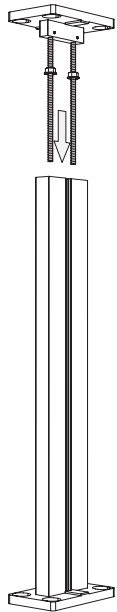
- e** Pre-thread holes (without bracket) using cutting screw (3-15-2417). **Stay perpendicular to the post.** This step will allow for ease of installation when the panels are in place.



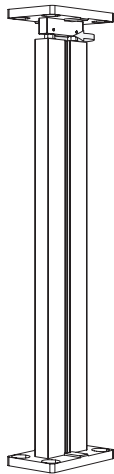
- f** Repeat steps 3a - 3e for opposing post so that hole locations match across a module.
See page 84 for Hush Mount installation once posts and panels have been put in place.

Installation: Vertical Post Assembly

4 Attach Pressure Fit Assembly



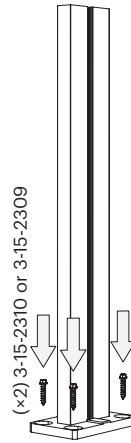
Only applies to floor-to-ceiling applications.



Assemble Floor-to-Ceiling Pressure Fit Kit (3-15-2126-K), following Pressure Fit Assembly instructions on page 49. Insert assembled kit into the top of the vertical post. Twist the hex nuts to lower the Pressure Fit Assembly to its lowest setting.

5 Secure to Floor

a



Use appropriate hammer drill to drive screws (3-15-2310 or 3-15-2309) into substrate. **Don't fully secure the base plate at the time;** let the base plate float a little in the slotted holes. Aligning the Top Cap and Top Rail Sections is more precise if base plates are floating. Once the Top Rail or Top Cap is fully installed, fully fasten the screws to secure the base plates to the substrate.

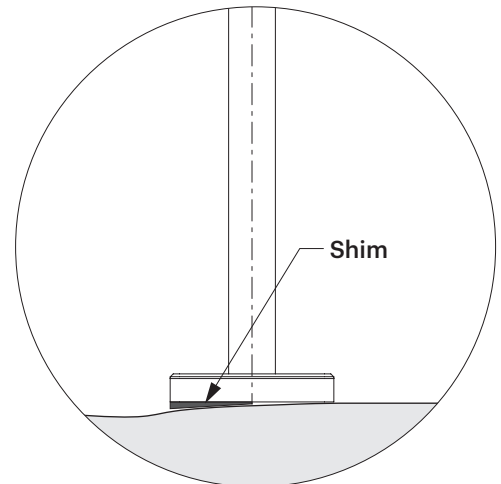
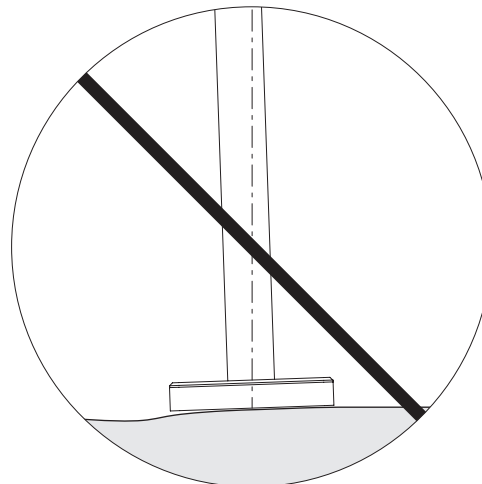
b

If installing Vertical Post to carpeted floor, cut away carpet from directly under the Base Plate. The Vertical Post needs to be in direct contact to the substrate it is fastened to.

6 Level the Vertical Post Assembly

Use a high precision level to ensure the Vertical Post is not tilted to either side due to floor or other substrate irregularities. Use shims to level the posts. If Vertical Posts are not vertical, you will not get proper engagement with Varia or Glass Panels.

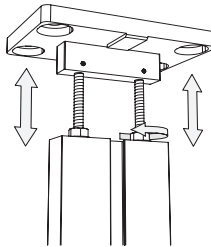
It is very critical to ensure that the glass is being inserted into a level and square surface.



Installation: Vertical Post Assembly

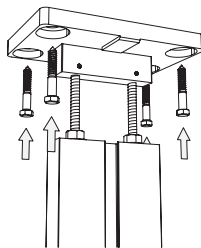
7 Secure to Ceiling *Only applies to floor-to-ceiling applications.*

- a** Raise ceiling mount to the ceiling by hand, and twist hex nuts to lock the Floor-to-Ceiling Top Plate in the up position, **do not over tighten hex nuts**, they should only be hand tight.



Level and square the post before securing.

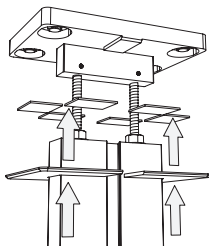
- b** Drill Pilot holes in place, and fasten ceiling plate to ceiling substrate. Use appropriate pilot hole diameter and depth for the type of substrate you are fastening to. Fasten ceiling plate to ceiling with appropriate screws.



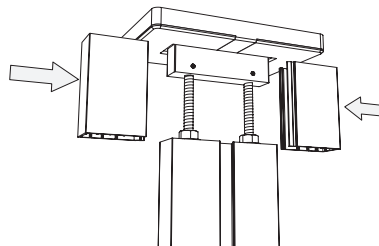
Substrate	Ø	Drill Bit*	Depth	Anchors
Concrete	1/4"	3-15-2336	min 1 3/4"	3-15-2344
Wood	5/32"	3-15-2337	min 1 3/4"	3-15-2345

**3form stocks the drill bits required for the concrete and wood pilot holes. If you wish to purchase a drill bit, please contact your 3form sales representative.*

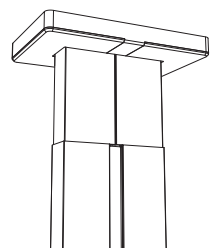
- c** Use VHB tape (3-15-2416) to secure 2 Base Plate Covers (3-15-2114) onto Floor-to-Ceiling Top Plate.



- d** Measure and cut the Pressure Fit Cover (0-15-2109) and snap over Pressure Fit Assembly. Rags and pliers can be used to assist you in snapping two halves of the cover together.

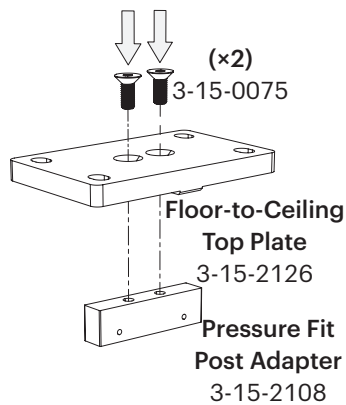


- e**

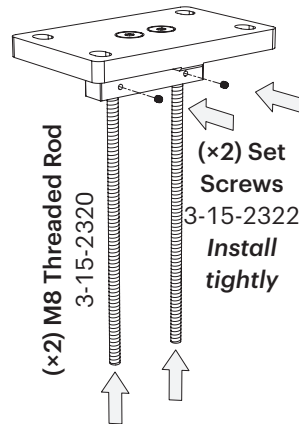


Installation: Pressure Fit Assembly

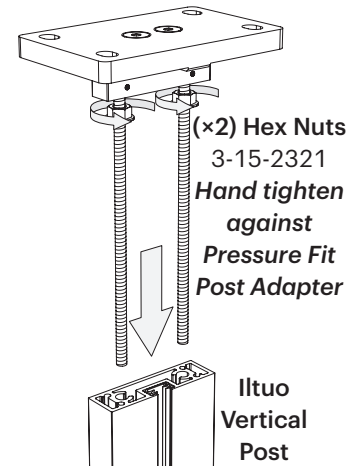
1 Attach Pressure Fit Post Adapter



2 Attach Threaded Rods



3 Attach to Vertical Post



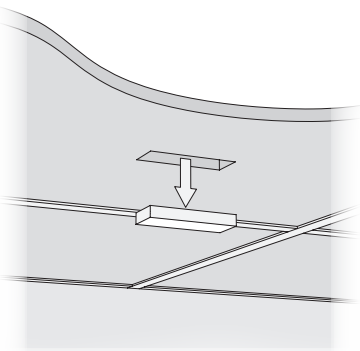
4 Secure to Ceiling

Follow instructions for Step 7 of the Vertical Post Assembly (page 48) to secure the Pressure Fit Assembly to the ceiling.

Installation: Drop Ceiling Condition

1 Cut Hole in Ceiling Tile

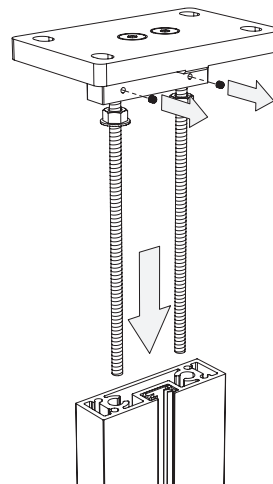
Cut a rectangular section of the ceiling tile above location of vertical post. **Cutout not to exceed 4" × 1½"**



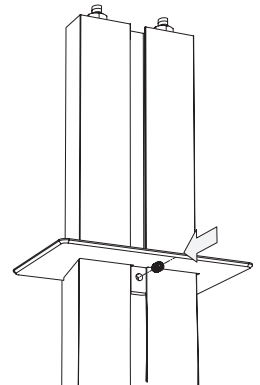
**Remove surrounding ceiling tiles so you have room to work.*

2 Prepare Vertical Post

a Separate the M8 Threaded Rods (3-15-2320) and nuts from the Pressure Fit Assembly and place into top of Vertical Post. Leave only about ¼" of the threaded rod exposed.



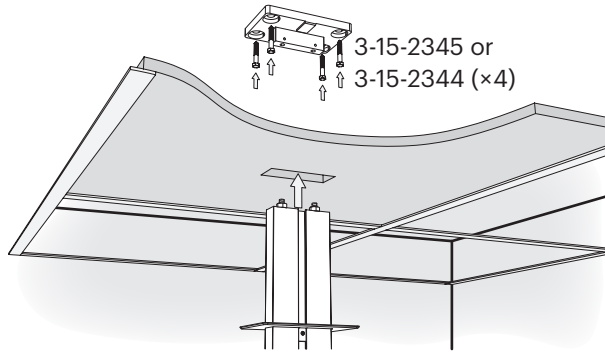
b Install Floor-to-Ceiling Drop Ceiling Cover, T-Nut and set screw at a distance below the level of the drop ceiling (this will be raised in Step 5).



Installation: Drop Ceiling Condition

3 Fasten Pressure Fit Assembly

Fasten the other half of the Pressure Fit Assembly to the ceiling above the vertical post.

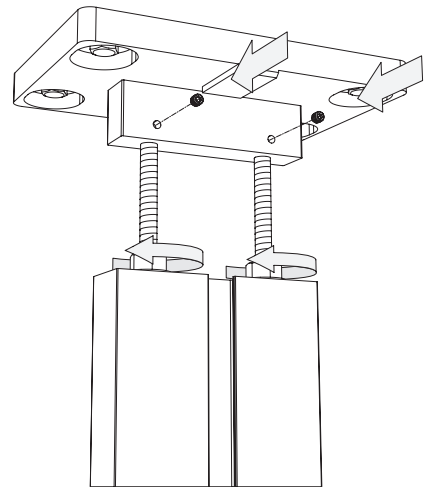


Run the post through the hole in the ceiling tile.

4 Attach Vertical Post

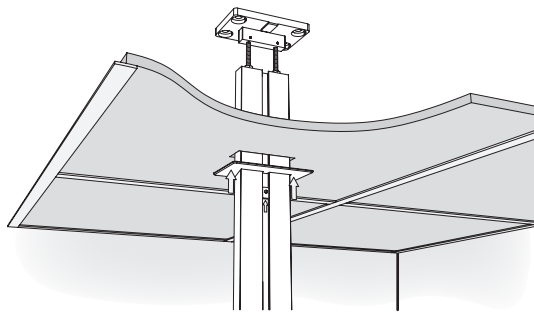
a Fasten vertical post to the floor following instructions on pages 42-47.

b Thread the two M8 Threaded Rods (3-15-2320) back into the top half of the Pressure Fit Assembly and secure with the set screws (3-15-2322). Twist the nuts hand tight down against the vertical post.

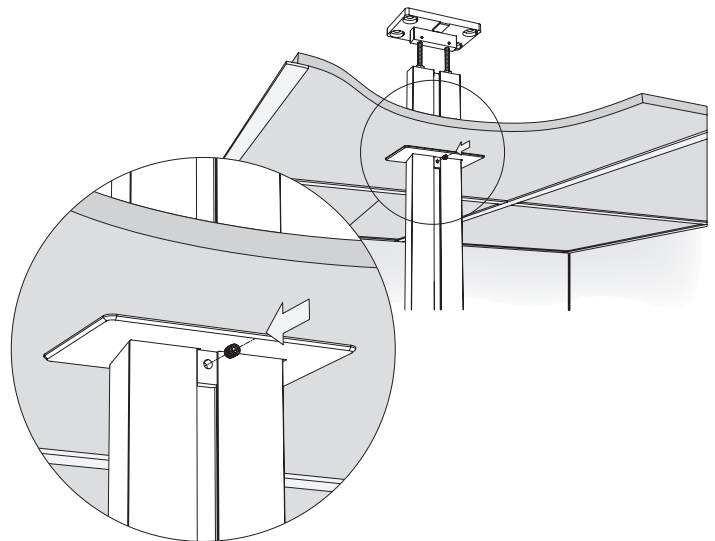


5 Install Floor-to-Ceiling Drop Ceiling Cover and T Nut and Secure with Set Screw

a



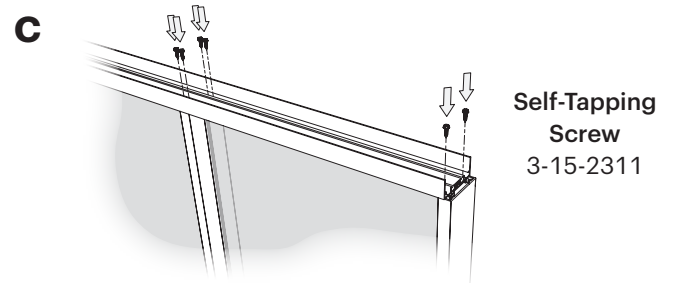
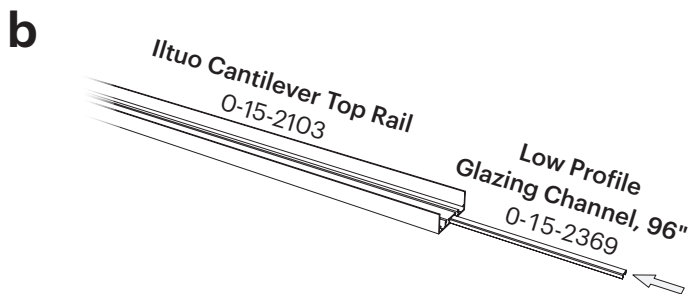
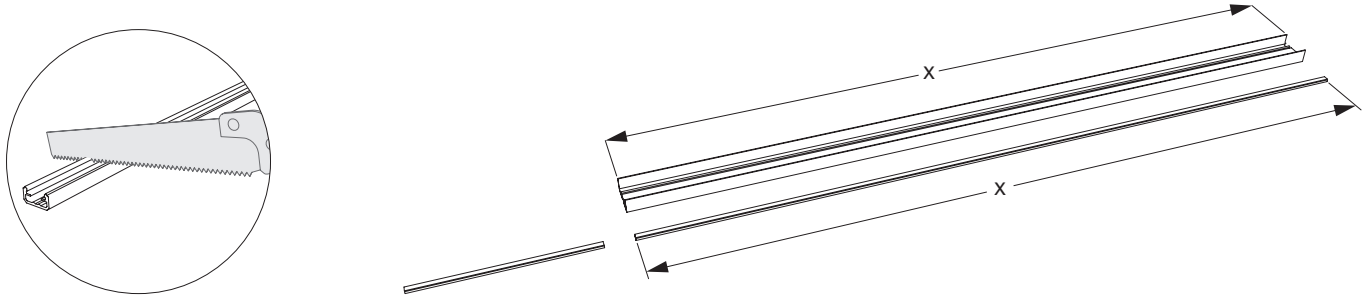
b



Installation: Top Rail

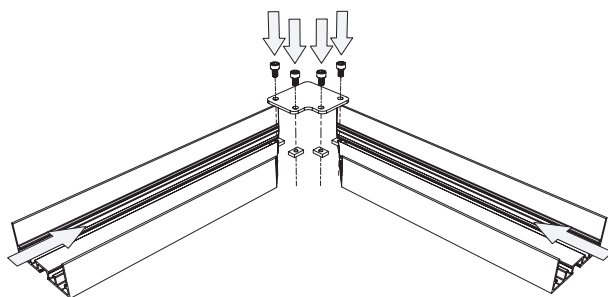
1 Connect Top Rail to Vertical Posts

- a** 0-15-2369 is an 8' length of the Low Profile Glazing Channel. This length is to be used for the top rail extensions. Measure the length of the top rail to be used with this Glazing Channel and cut down Glazing Channel to the same length.



2 Assemble Top Rail Corner Assembly

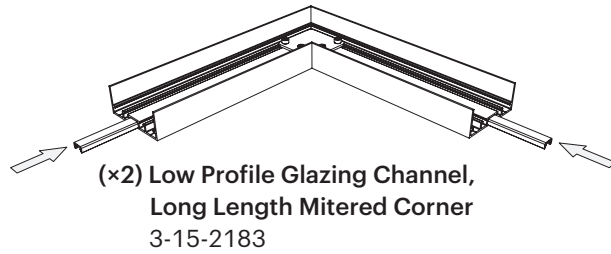
If applicable, assemble Il tuo Cantilevered Top Rail Long Leg Mitered Corner KIT (3-15-2176-K) as shown below.



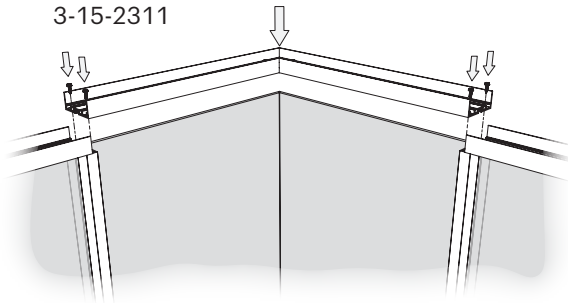
Installation: Top Rail

3 Attach Top Rail Corner Assembly

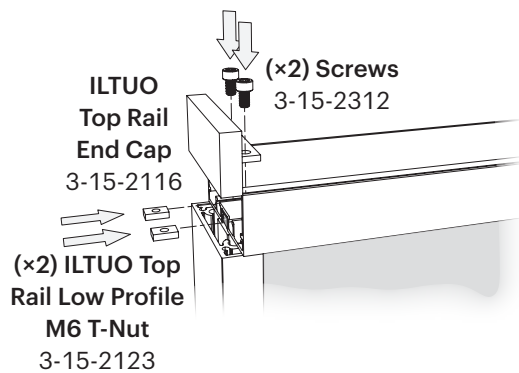
- a** Cantilevered Top Rail Long Leg Mitered Corner KIT
3-15-2176-K



- b** (x4) Self Tapping Screws
3-15-2311



4 Attach End Caps



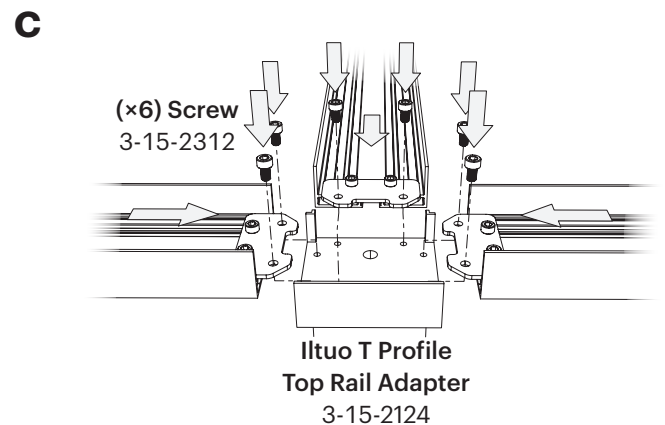
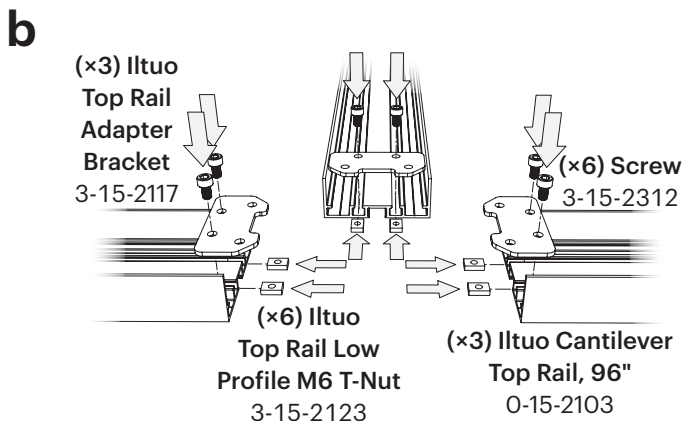
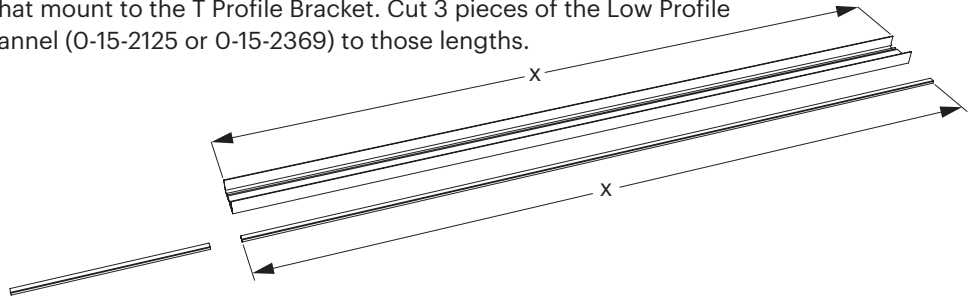
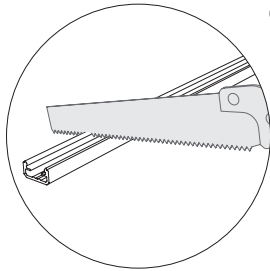
Ituo Top Rail End Cap KIT
3-15-2116-K

Installation: Top Rail

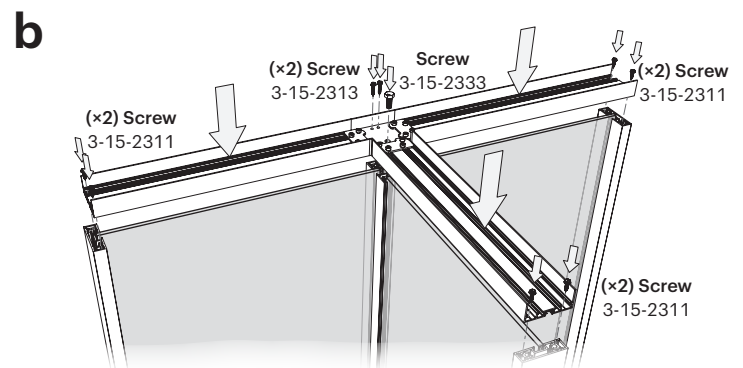
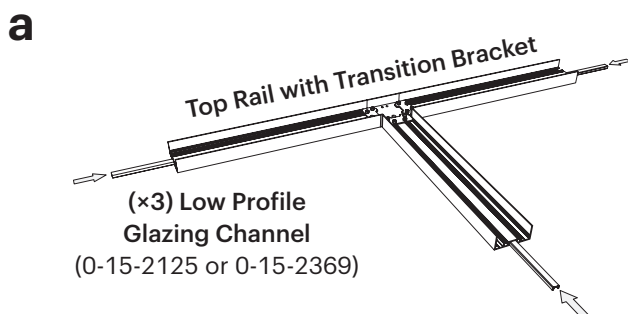
5 Assemble T Profile Bracket

Installations with an Ultuo Vertical Post T Configuration will need to follow Steps 5-6

- a** Measure 3 lengths of the Top Rail that mount to the T Profile Bracket. Cut 3 pieces of the Low Profile Glazing Channel (0-15-2125 or 0-15-2369) to those lengths.



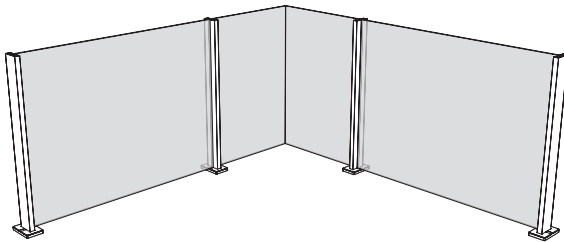
6 Attach T Profile Bracket



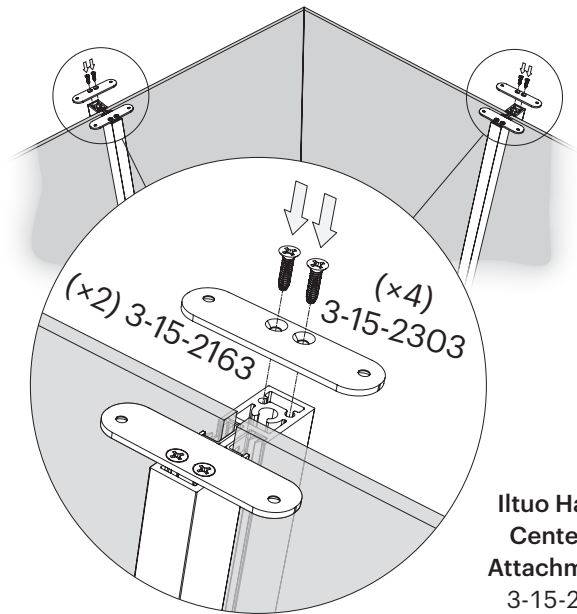
Installation: Half Wall, Wood Top Rail

1 Install Vertical Posts and Panels

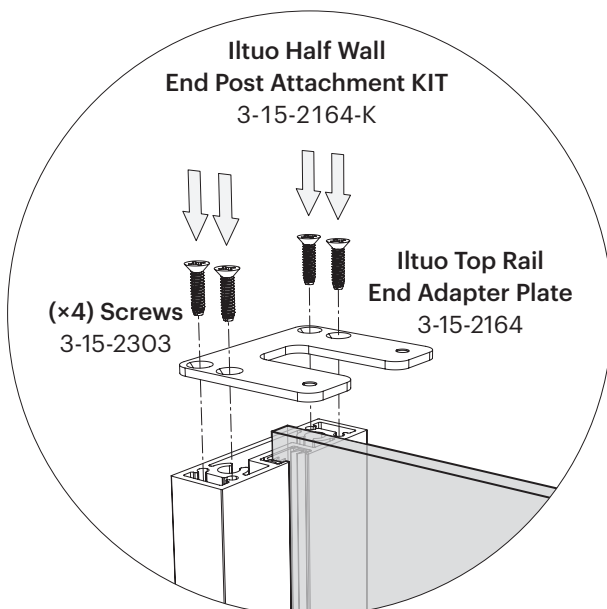
Install post and panels according to Vertical Post Assembly Steps 1, 2 and 4 on pages 42-47 and Varia Panels on page 71 or Glass Panels on page 80.



2 Install Adapter Plates on Ittuo Vertical Posts with 2 Glazing Channels

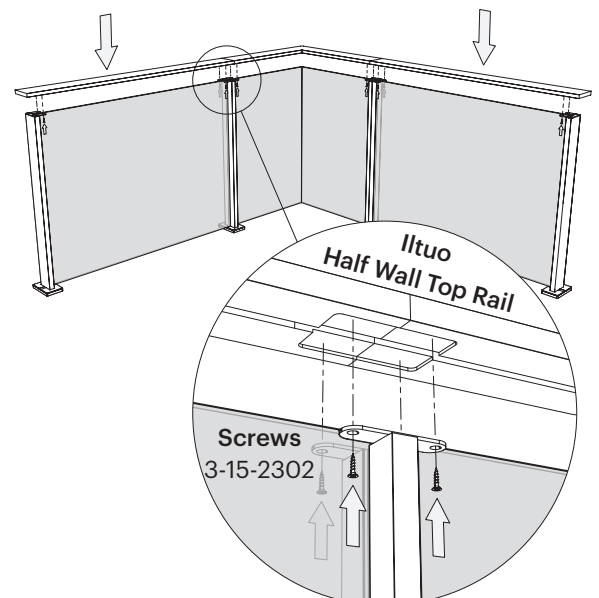


3 Install Adapter Plates on Vertical Posts with 1 Glazing Channel



4 Install Birch Half Wall Top Rails

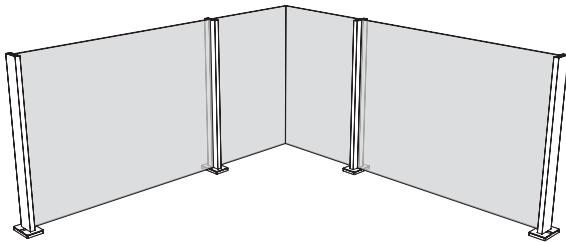
Lay out to ensure overhang at ends prior to install.



Installation: Half Wall, Aluminum Top Rail

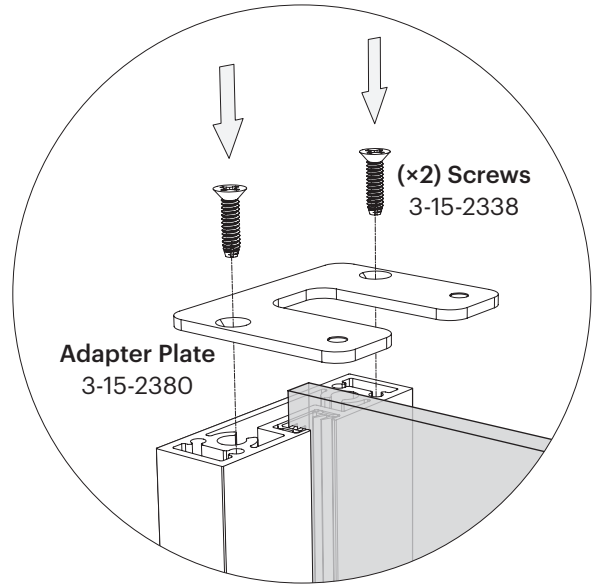
1 Install Vertical Posts and Panels

Install post and panels according to Vertical Post Assembly Steps 1, 2 and 4 on pages 42-47 and Varia Panels on page 71 or Glass Panels on page 80.

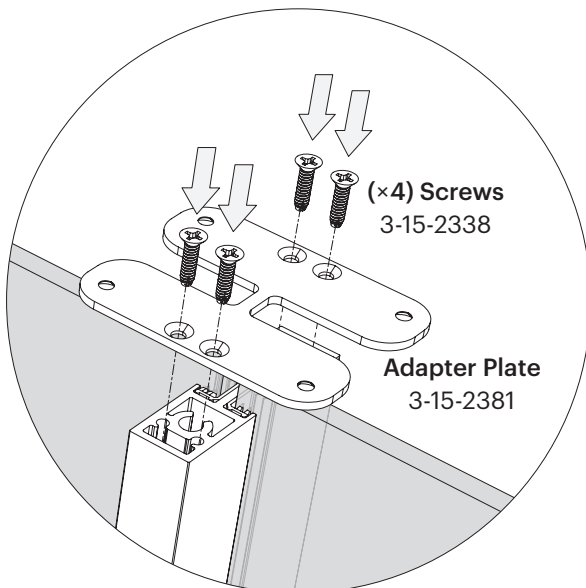


2 Install Adapter Plates

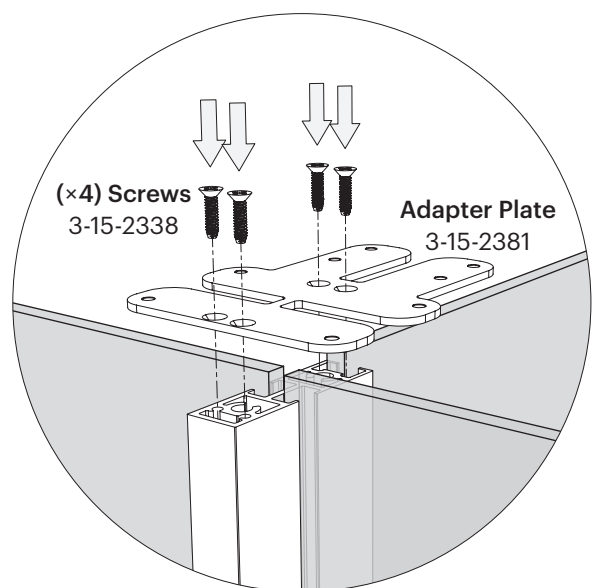
- a** Install Adapter Plates on Ituo Vertical Posts with 1 Glazing Channel



- b** Install Adapter Plates on Ituo Vertical Posts with 2 Glazing Channels



- c** Install Adapter Plates on Ituo Vertical Posts with 1 T-Slot

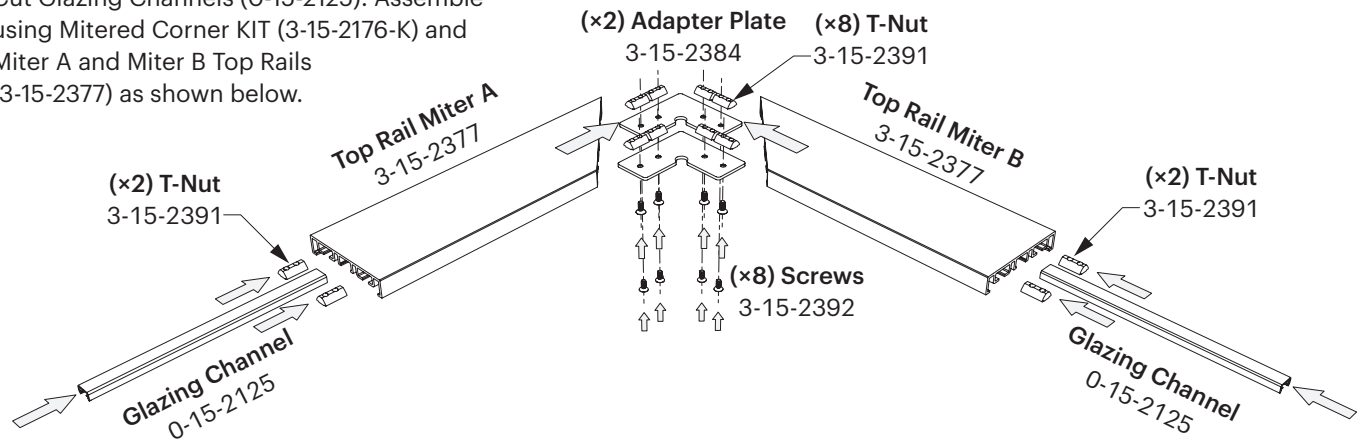


Installation: Half Wall, Aluminum Top Rail

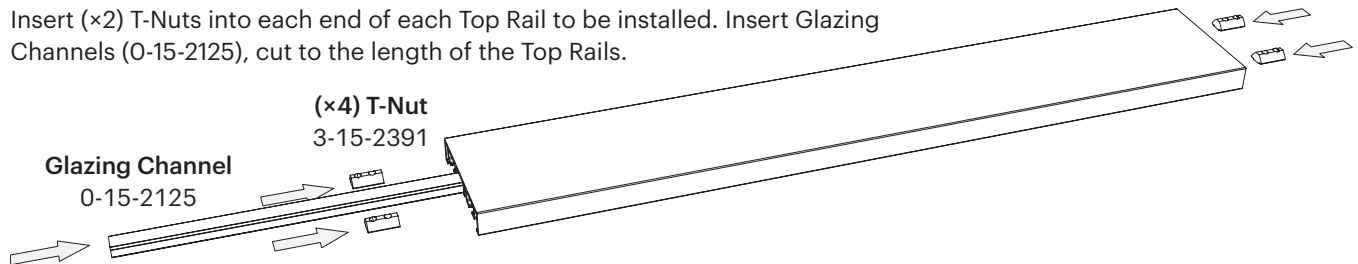
3 Assemble Aluminum Top Rail Sections

a Corner Assembly

Cut Glazing Channels (0-15-2125). Assemble using Mitered Corner KIT (3-15-2176-K) and Miter A and Miter B Top Rails (3-15-2377) as shown below.

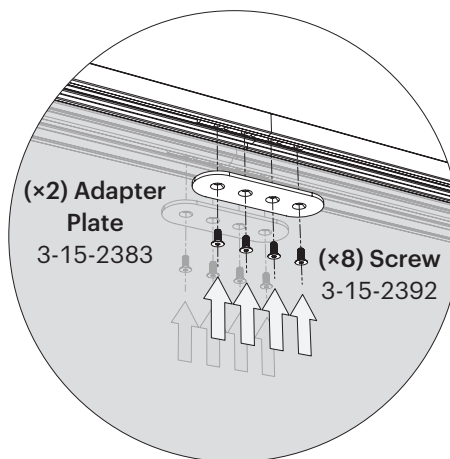


b Insert (x2) T-Nuts into each end of each Top Rail to be installed. Insert Glazing Channels (0-15-2125), cut to the length of the Top Rails.



c Straight Connection

If two sections of the Top Rail meet up at a location that is not over a vertical post, use the Straight Adapter KIT (3-15-2383-K) to tie the two sections together.

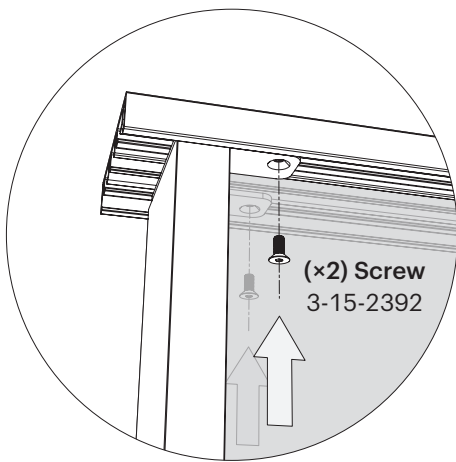


Installation: Half Wall, Aluminum Top Rail

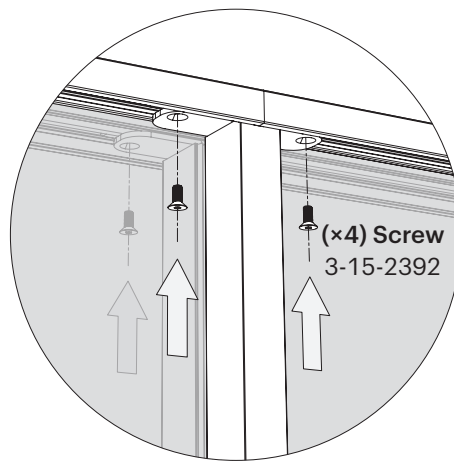
4 Attach Half Wall Top Rails

a Lay out to ensure overhang at ends prior to install.

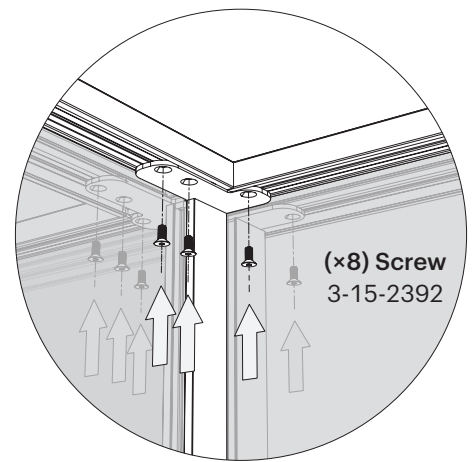
b Attach Top Rails, including corners, with screws (3-15-2392).



Connection at Ultuo Vertical Post with
1 Glazing Channel

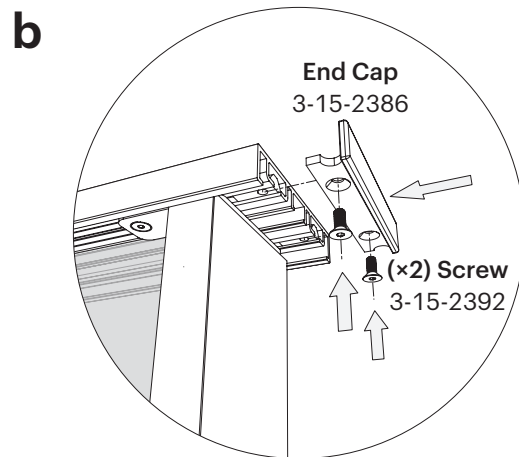
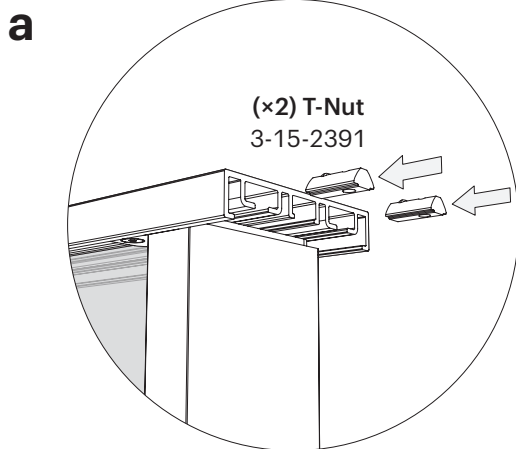


Connection at Ultuo Vertical Post with
2 Glazing Channels



Connection at Ultuo Vertical Post with
T Configuration

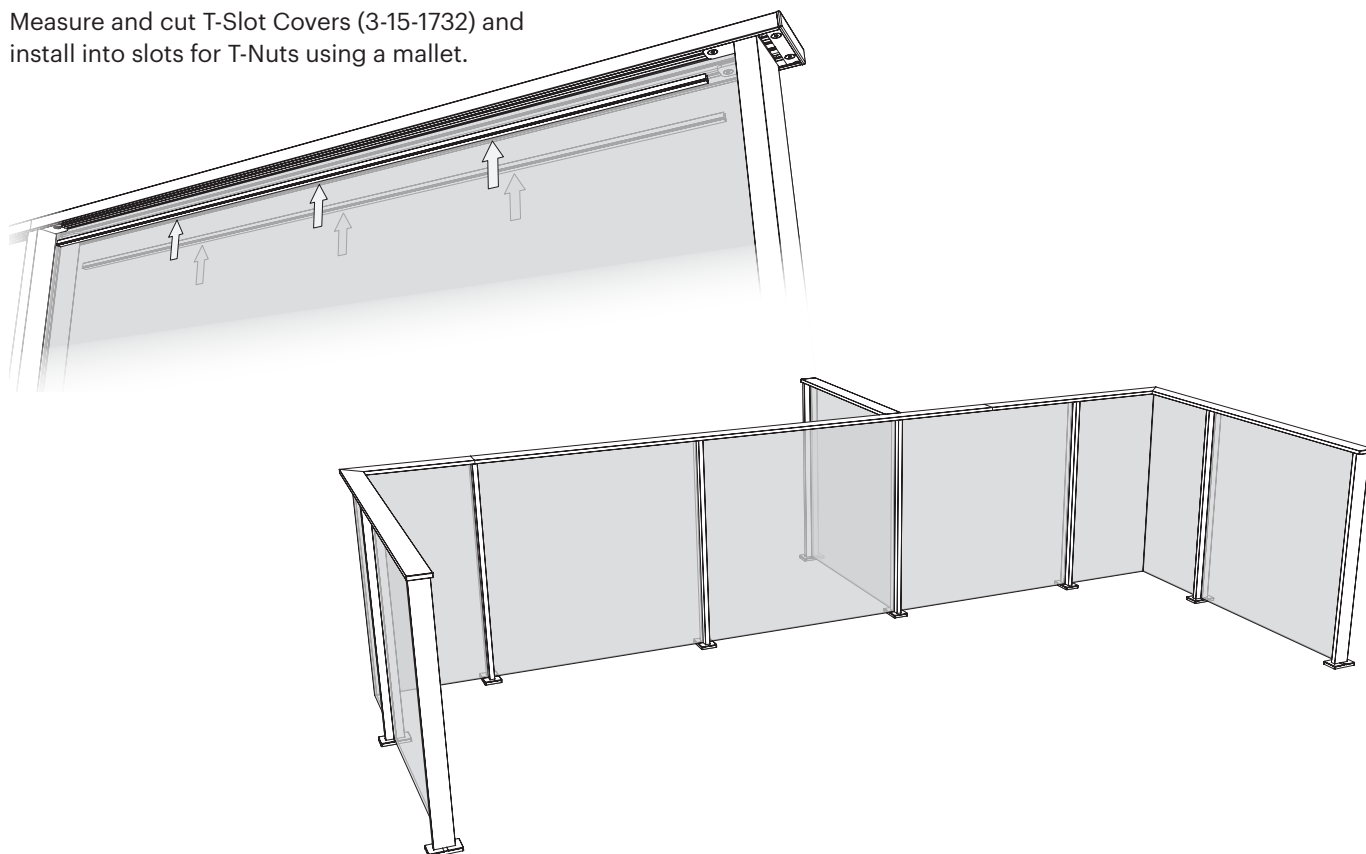
5 Attach End Cap



Installation: Half Wall, Aluminum Top Rail

6 Insert Slot Covers

Measure and cut T-Slot Covers (3-15-1732) and install into slots for T-Nuts using a mallet.

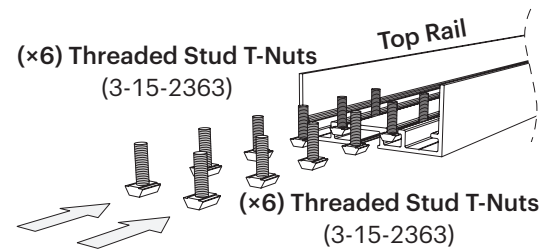


Installation: Door

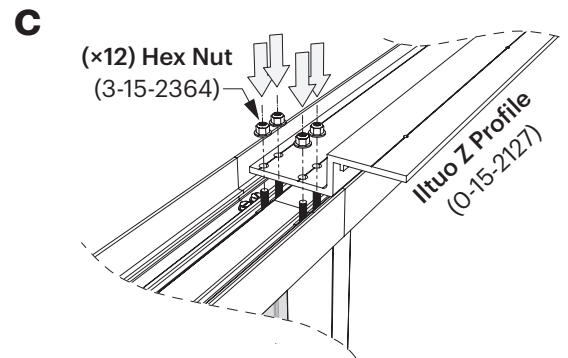
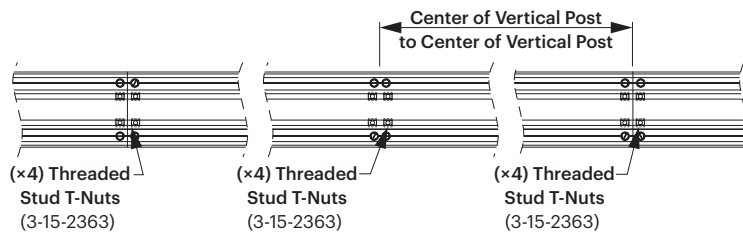
1 Attach Ittuo Z Profile Door Attachment Extrusion

When locating a sliding door near a Hush Mount, ensure mounted items won't interfere with the travel of the door.

a *Insert all 12 Threaded Stud T-Nuts (3-15-2363) before installing the Top Rail on the Vertical Posts.

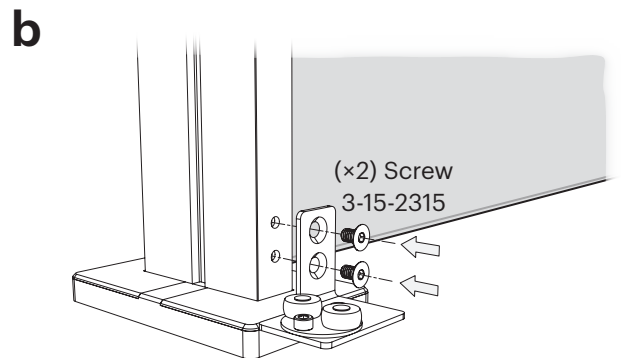
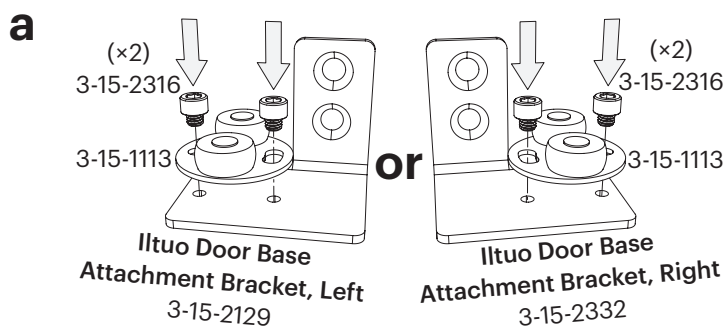


b Install Top Rail onto Vertical Posts as shown on pages 51-53. Use a pointed tool to slide the Threaded Stud T-Nuts along the slots of the Top Rail to position them for the Z Profile.



Secure the Z Profile to the Top Rail with the hex nuts. Torque nuts down with hand tool.

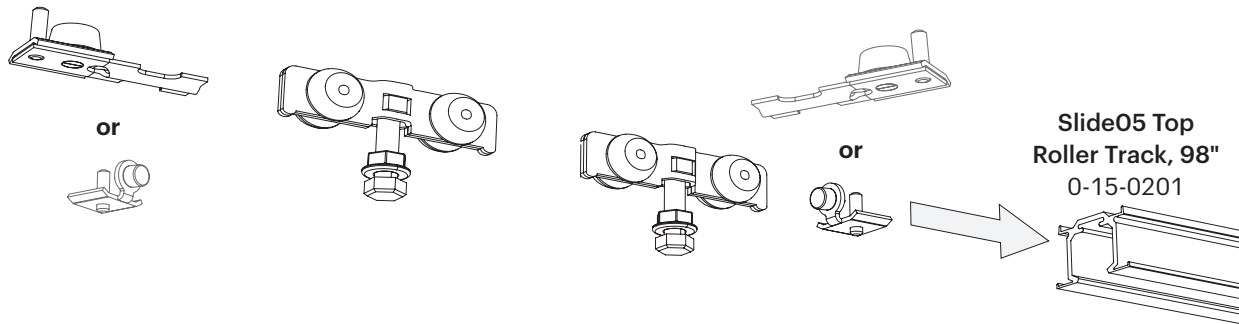
2 Attach Floor Guide



Installation: Door

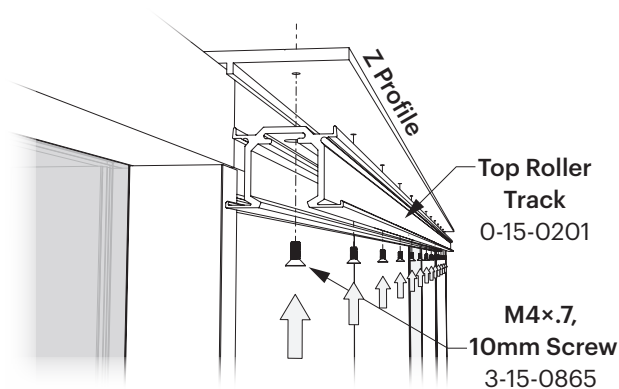
3 Insert Bumpers, Stops and Top Rollers into Slide05 Top Roller Track

Both rollers should be next to one another in the track, with the bumpers or stops on the outside.



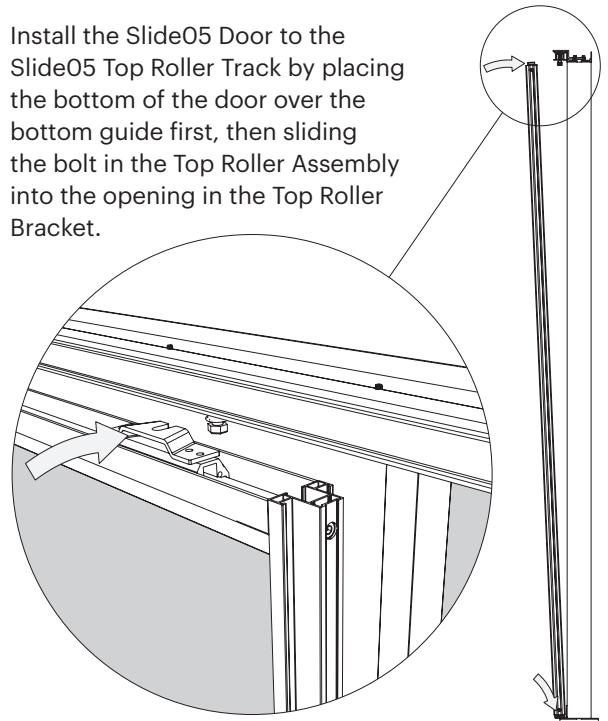
4 Attach Top Track

Attach the Slide05 Top Roller Track (O-15-0201) to the underside of the Ittuo Z Profile Door Attachment Extrusion.



5 Install Slide05 Door

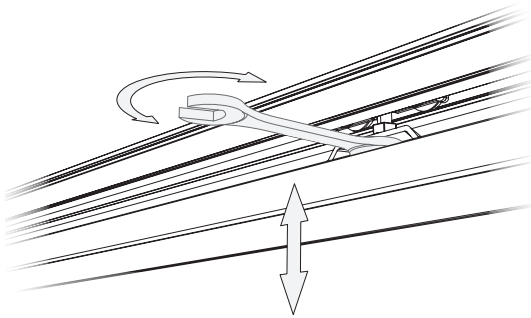
- a** Install the Slide05 Door to the Slide05 Top Roller Track by placing the bottom of the door over the bottom guide first, then sliding the bolt in the Top Roller Assembly into the opening in the Top Roller Bracket.



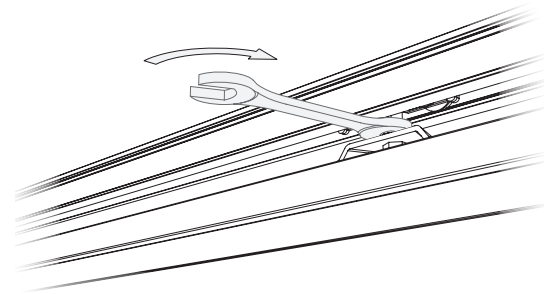
Installation: Door

5 Install Slide05 Door *cont...*

- b** Level the door by adjusting the top roller hanging bolt with a wrench.

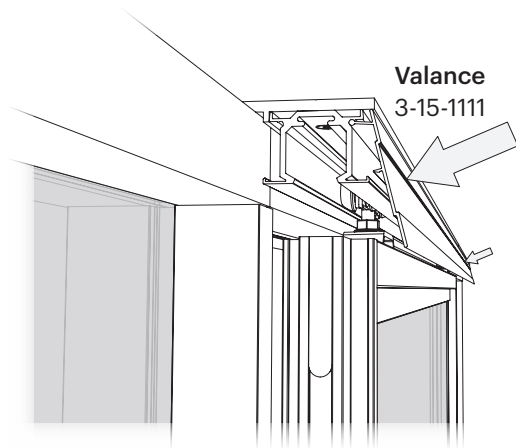


- c** Once level, tighten nut.

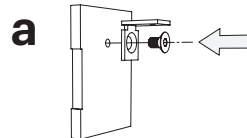


**For additional information regarding the Slide 05 Door System, visit 3-form.com/hardware/slide/tech-details.com*

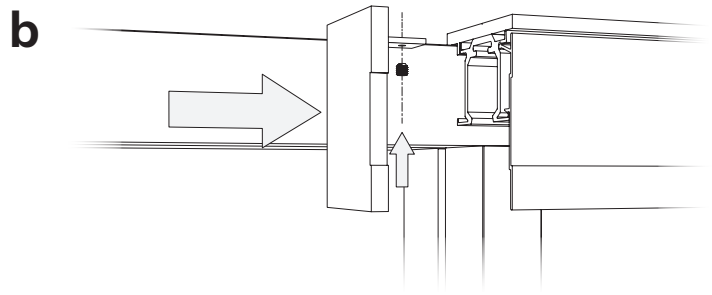
6 Attach Valance



7 Attach End Caps



Ittuo Slide05 Door End Cap KIT
3-15-2343-K

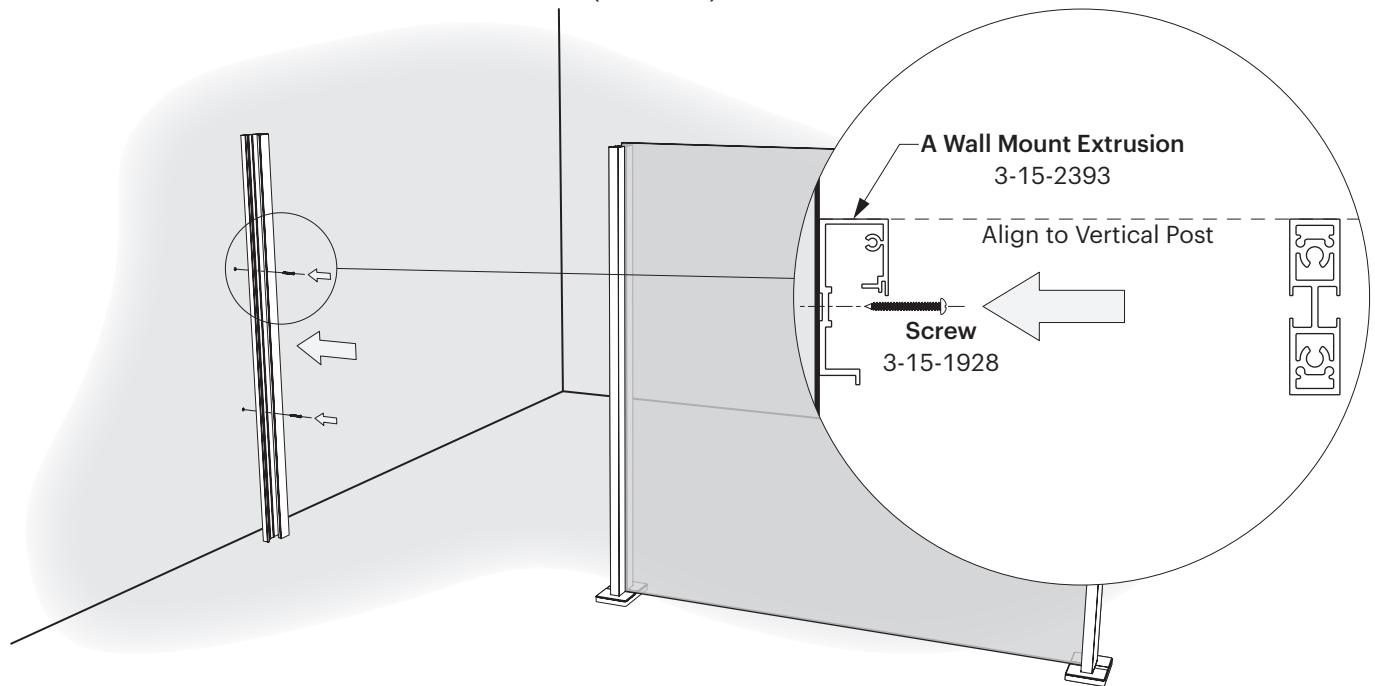


Installation-Varia: Wall Mount Assembly

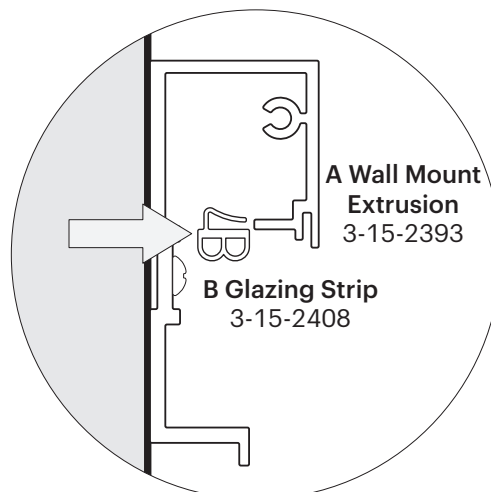
If your Ituo structure terminates at a wall, a Wall Mount Post will be required. A Wall Mount Post is installed last. Install only after the other vertical posts and Varia panels of the Ituo system are installed.

1 Install Wall Mount Extrusion

- a** Install A Wall Mount Extrusion (3-15-2393) on wall using screws (3-15-1928) from Wall Mount Anchoring KIT (3-15-1927-K), using anchor (3-15-1927) if necessary. Install so that edge of extrusion (3-15-2393) lines up with the edge of previously installed Vertical Posts. The bottom of the extrusion (3-15-2393) will rest on the floor.



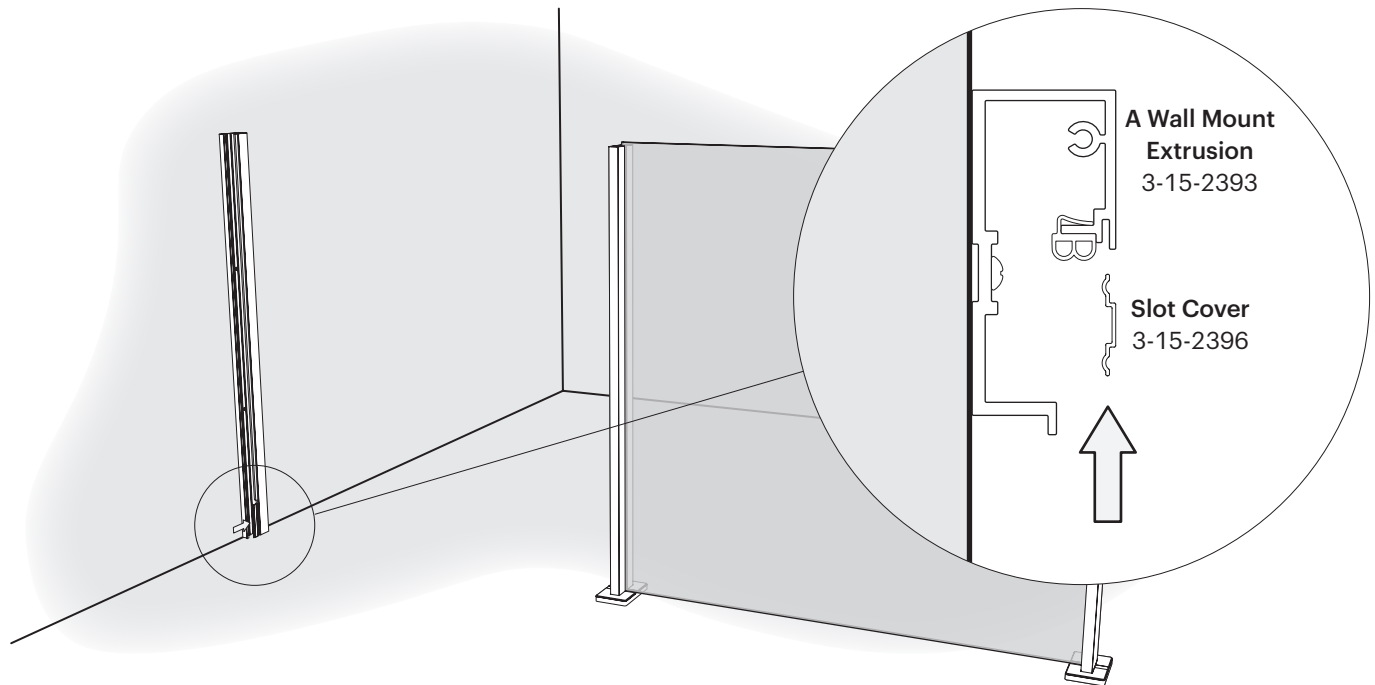
- b** Install B Glazing Strip (3-15-2408) onto flange of A Wall Mount Extrusion (3-15-2393).



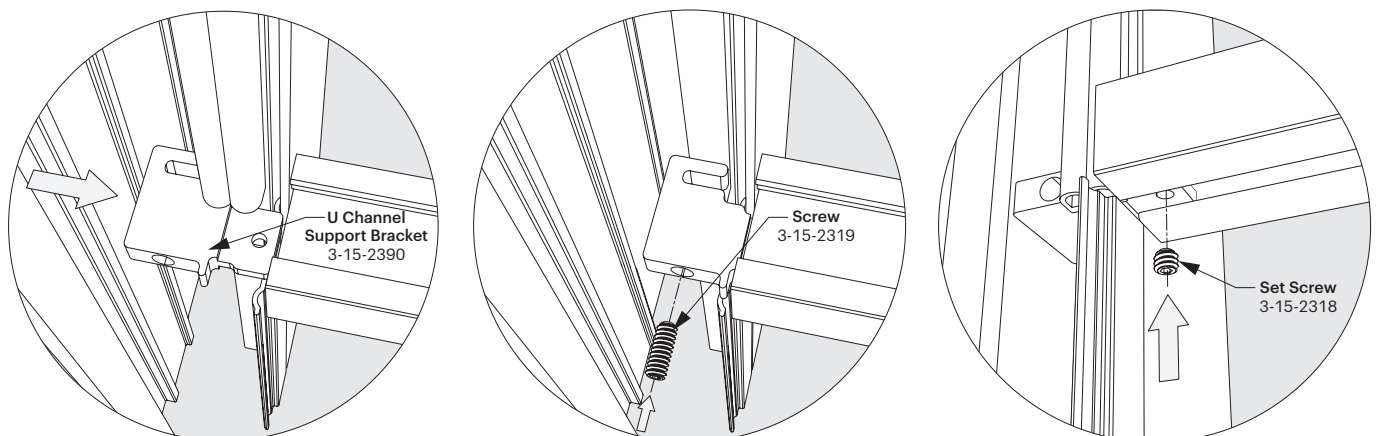
Installation-Varia: Wall Mount Assembly

2 Install Slot Cover, U-Channel or Lifted Panel (optional)

- a** Measure and cut Slot Cover (3-15-2396) to desired length, if required, then insert into slot of A Wall Mounted Extrusion (3-15-2393). If the Slot Cover interferes with the B Glazing Strip (3-15-2408), cut down the glazing strip.



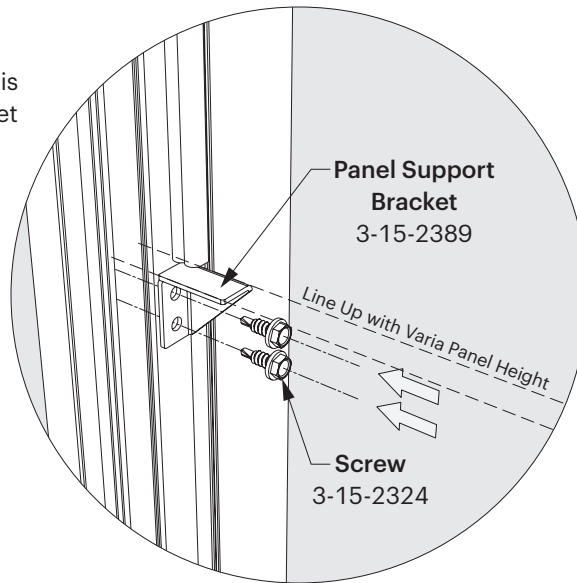
- b** If a U Channel attaches to the A Wall Mount Extrusion (3-15-2393), use a U Channel Support Bracket (3-15-2390). Follow the U Channel Steps 1-2 on page 68 to attach U Channel to the previously installed Vertical Post. Then use Screw (3-15-2319) to secure the support bracket at the height of the U Channel. Use Set Screw (3-15-2318) to attach U Channel to the support bracket.



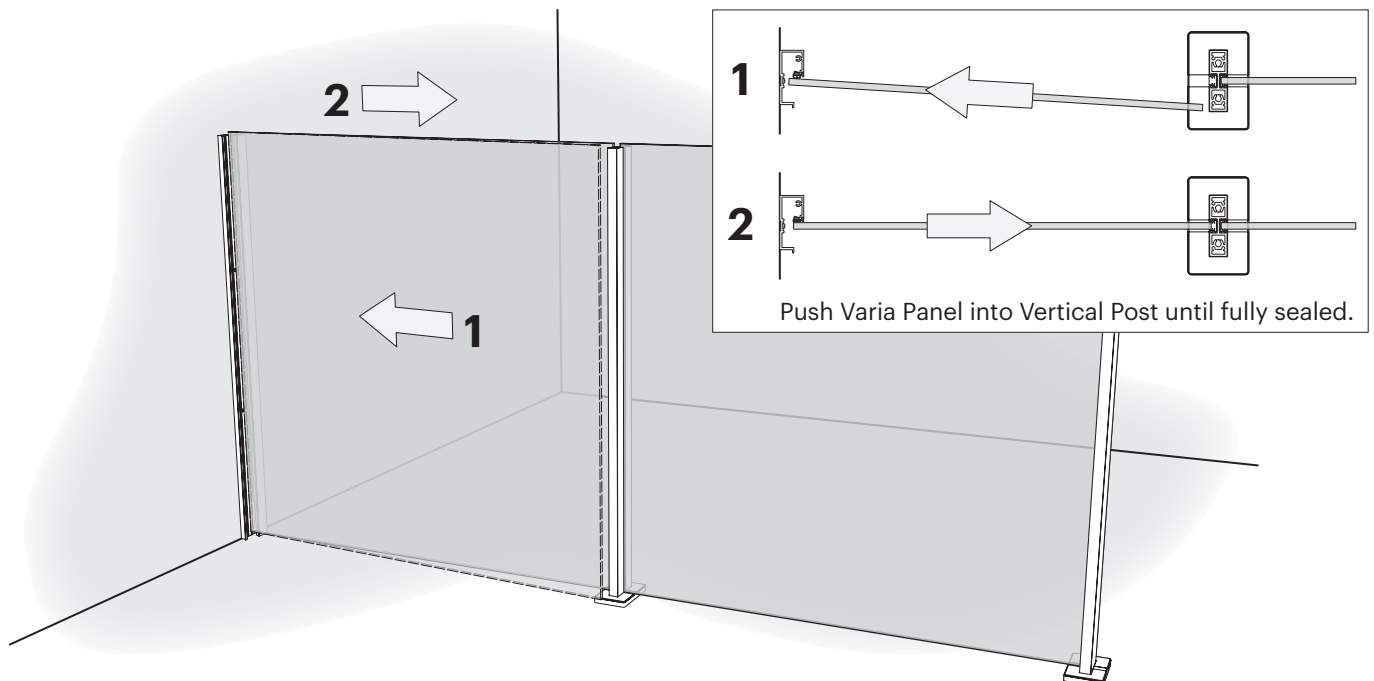
Installation-Varia: Wall Mount Assembly

2 Install Slot Cover, U-Channel or Lifted Panel (optional) *cont...*

- C** If the Varia Panel is lifted from the standard 0.61" off the ground, a Panel Support Bracket (3-15-2389) is required. Line the top of the bracket with the bottom faces of the Varia Panels in the Ituo system. Secure the Panel Support Bracket (3-15-2389) to the A Wall Mount Extrusion (3-15-2393) with screws (3-15-2324).



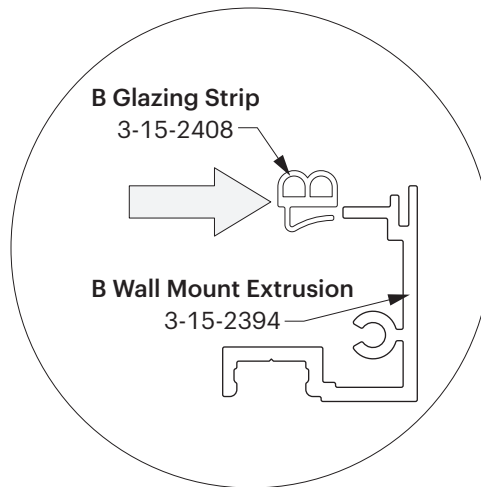
3 Install Varia Panel Between Wall Mount Extrusion and Vertical Post



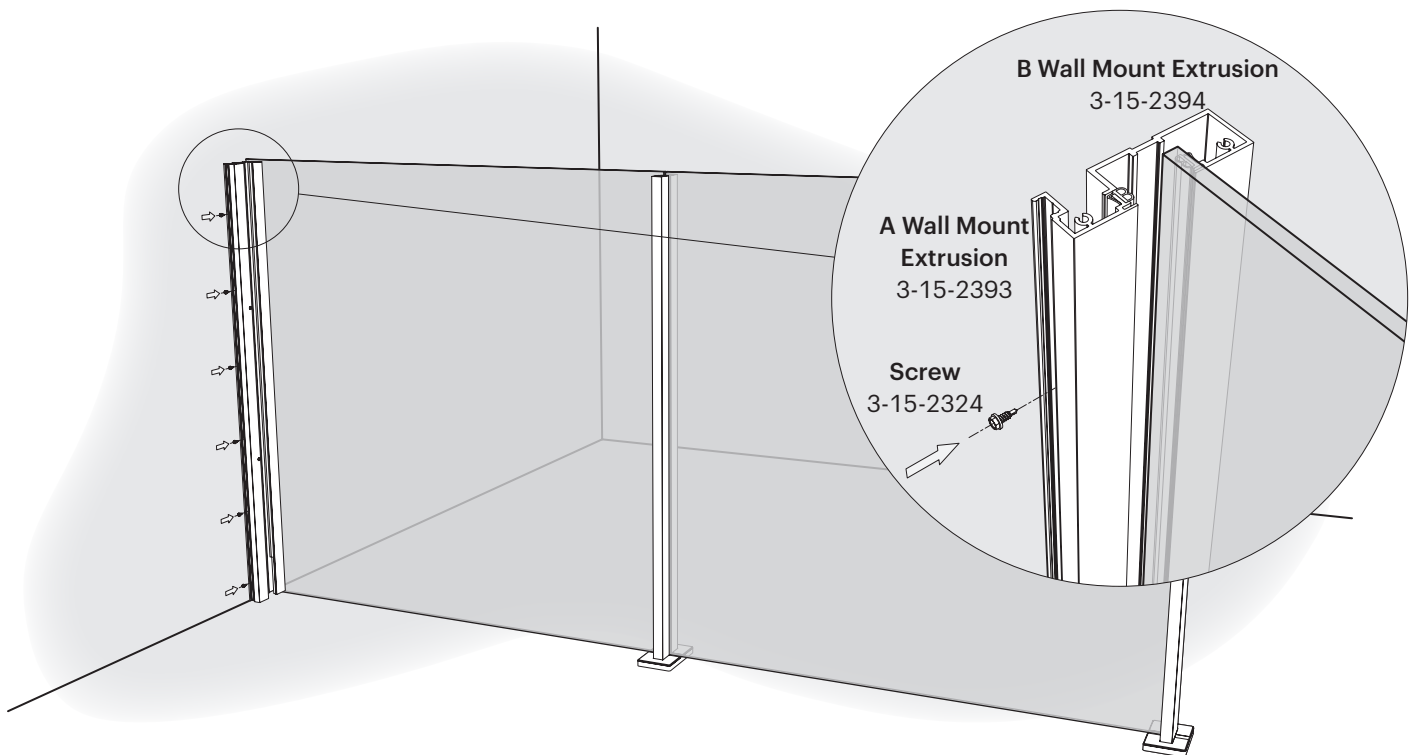
Installation-Varia: Wall Mount Assembly

4 Install B Extrusion

- a** Install B Glazing Strip (3-15-2408) onto flange of B Wall Mount Extrusion (3-15-2394).



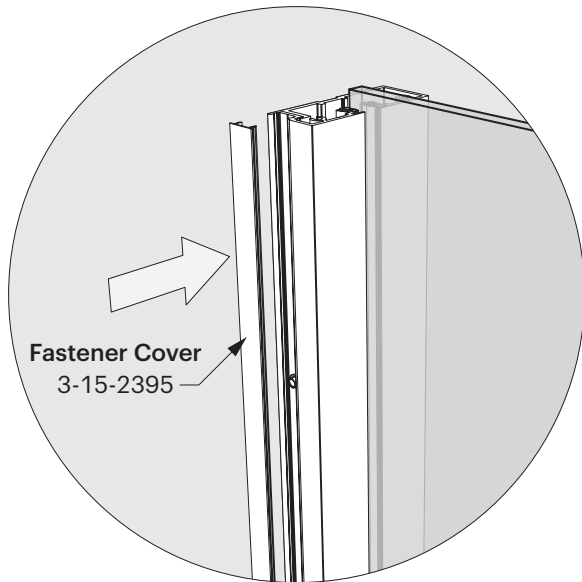
- b** Fasten B Wall Mount Extrusion (3-15-2394) to A Wall Mount Extrusion (3-15-2393) with screws (3-15-2324).



Installation-Varia: Wall Mount Assembly

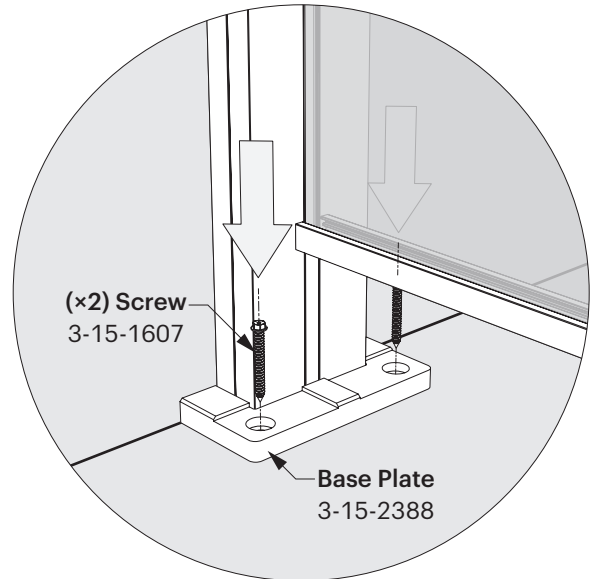
5 Install Fastener Cover

Cover screw heads with Fastener Cover (3-15-2395).

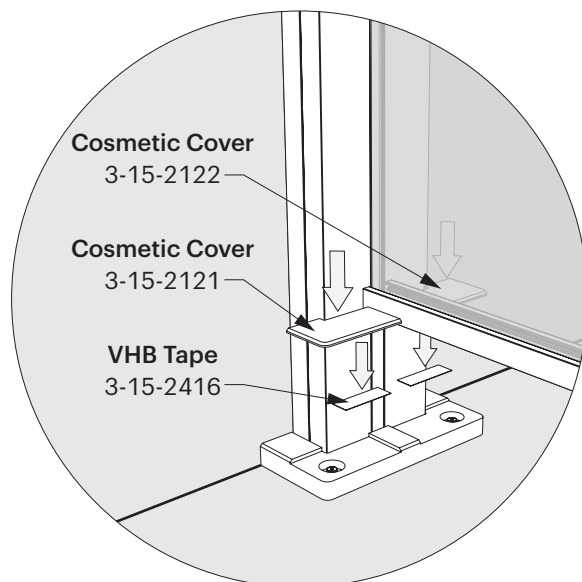


6 Install Base Plates

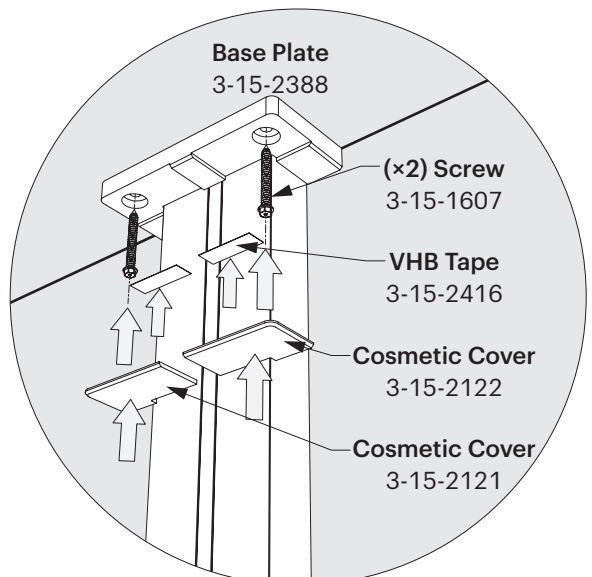
a Use screws (3-15-1607) to install Base Plate (3-15-2388).



b Adhere Cosmetic Covers (3-15-2121 and 3-15-2122) to Base Plate (3-15-2388) with VHB tape (3-15-2416).



c If Ituo install is a Floor-to-Ceiling System, fasten a Base Plate KIT (3-15-2388-K) to the ceiling on the top of the Wall Mount Extrusion.

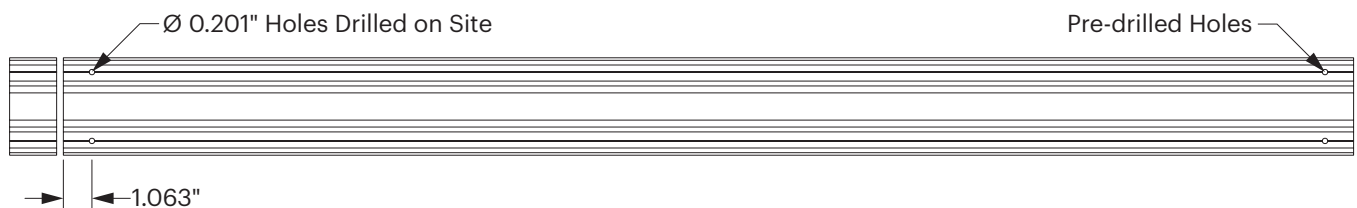


Installation-Varia: Wall Mount Assembly

7 Install Top Rail (optional)

- a** Locate the appropriate length Top Rail (O-15-2103), with only 2 holes drilled on one side. This Top Rail will be supplied with an extra 2" so installer can cut down to size so it sits flush against the wall. Measure and cut the Top Rail (O-15-2103) to the required length. **Cut the side without holes.**

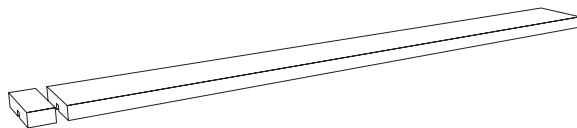
Add two 0.201" Ø holes along the scribe lines, 1.063" from cut end.



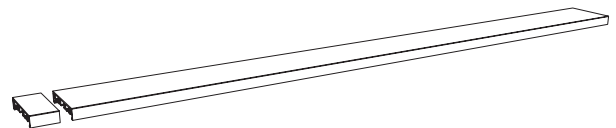
- b** Install on Vertical Posts following instructions for Top Rails on pages 51-53.

8 Install Half Wall Top Rail (optional)

- a** On half wall installations with either Aluminum or Wood Top Rail, locate the appropriate length Top Rail. This Top Rail will be supplied with an extra 2" so installer can cut down to size so it sits flush against the wall. Measure and cut the Top Rail to the required length.



Half Wall, Wood Top Rail

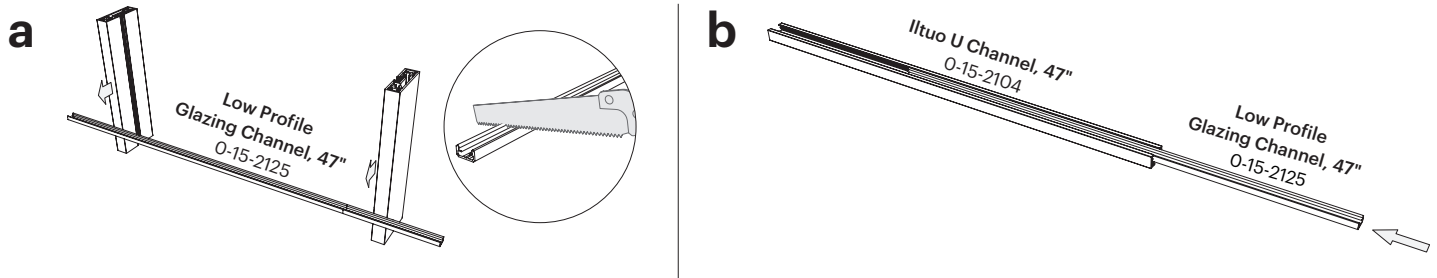


Half Wall, Aluminum Top Rail

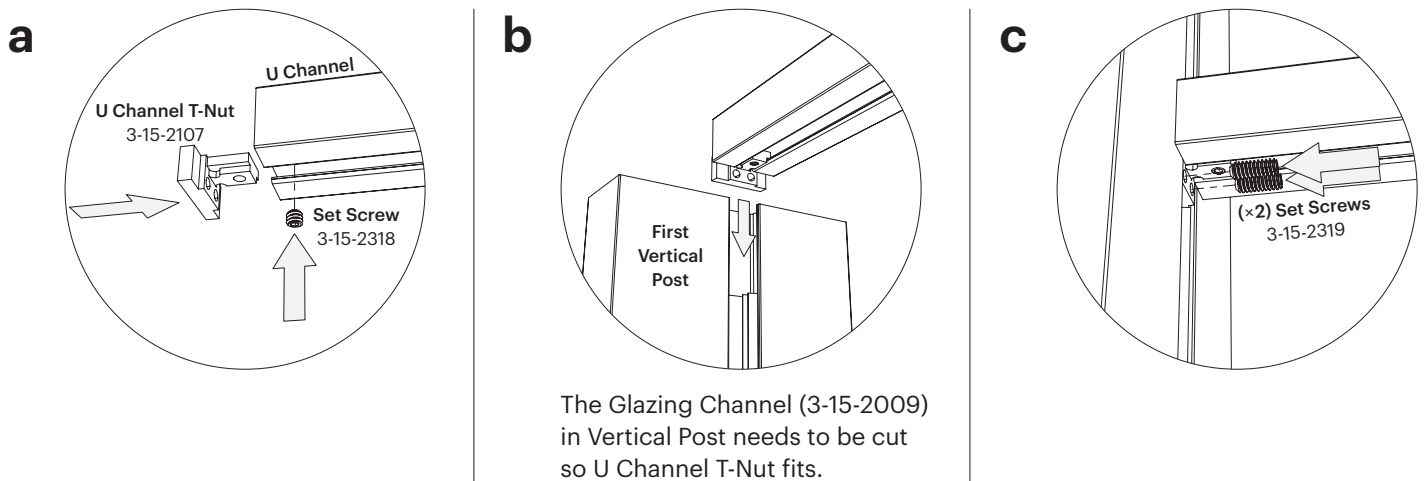
- b** Install on Vertical Posts following instructions for Half Wall, Wood Top Rail on page 54 or for Half Wall, Aluminum Top Rail on pages 55-58.

Installation-Varia: U Channel

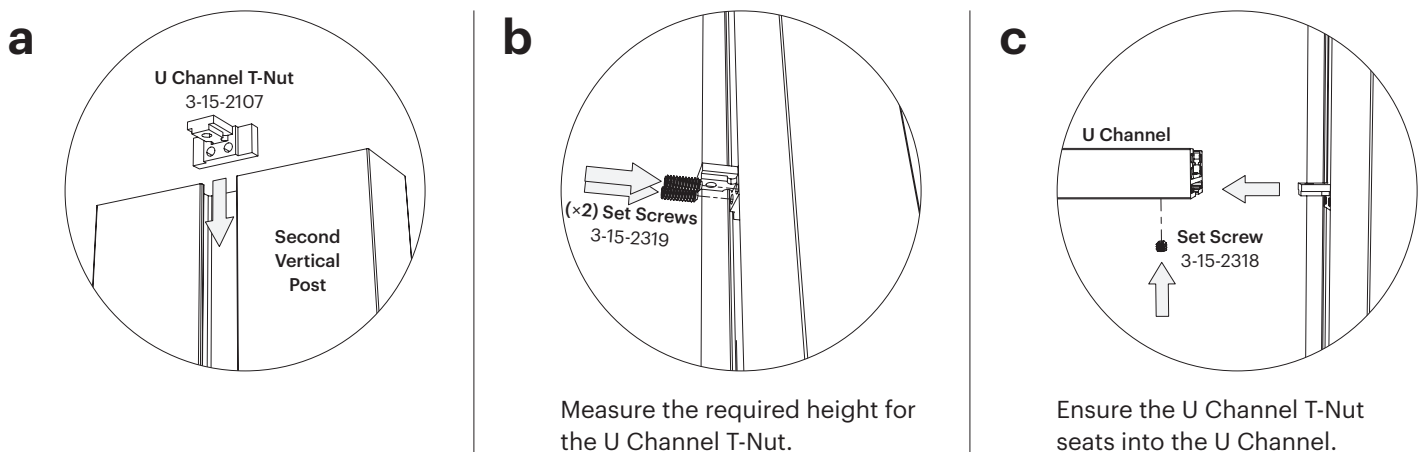
1 Measure and Cut Low Profile Glazing Channel



2 Attach to First Vertical Post



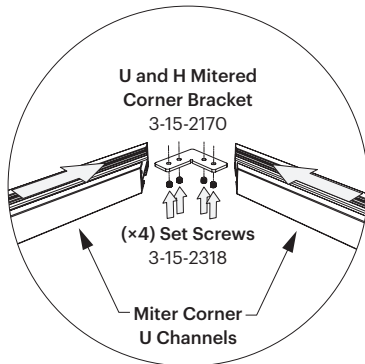
3 Attach to Second Vertical Post



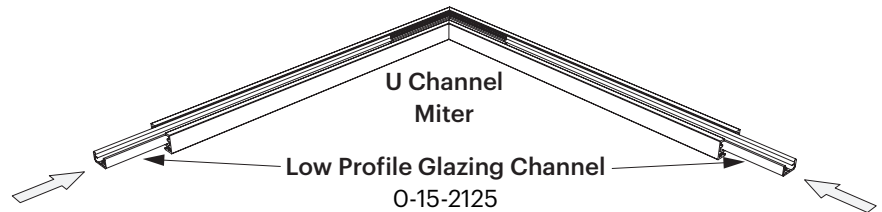
Installation-Varia: U Channel

4 Corner Miter

a U Channel Long Leg Mitered Corner KIT 3-15-2180-K



b



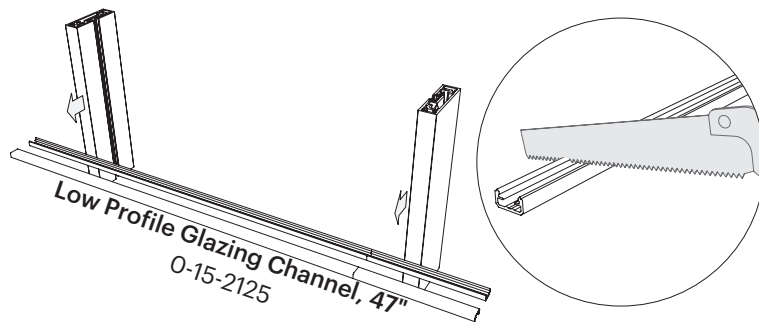
c

Fasten to Vertical Posts with U channel T-Nut as shown in Steps 1-3.

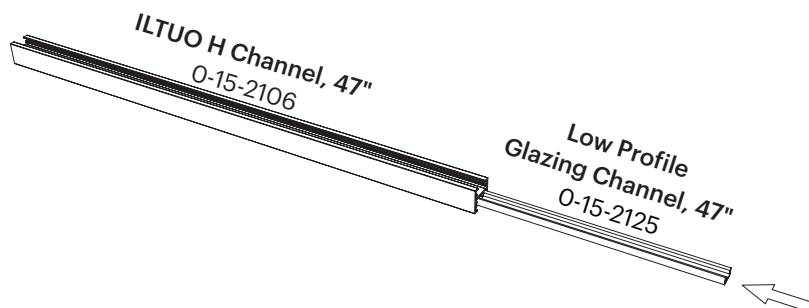
Installation-Varia: H Channel

1 Measure and Cut

a

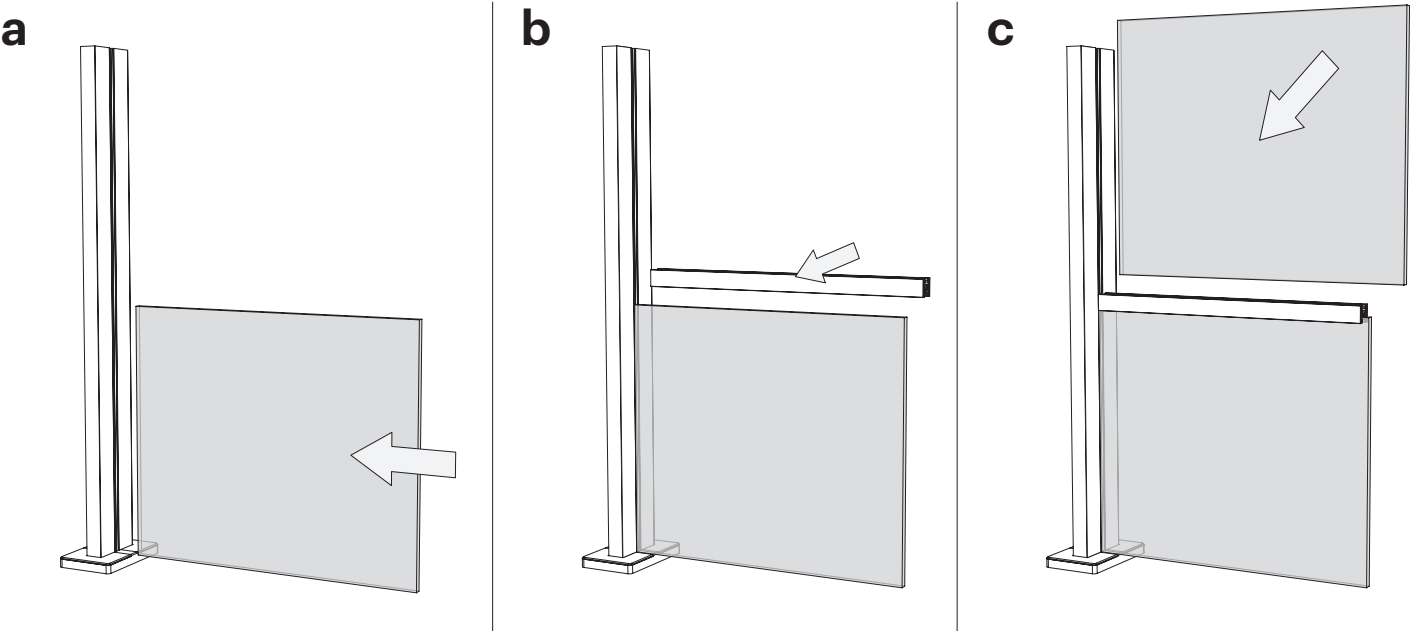


b

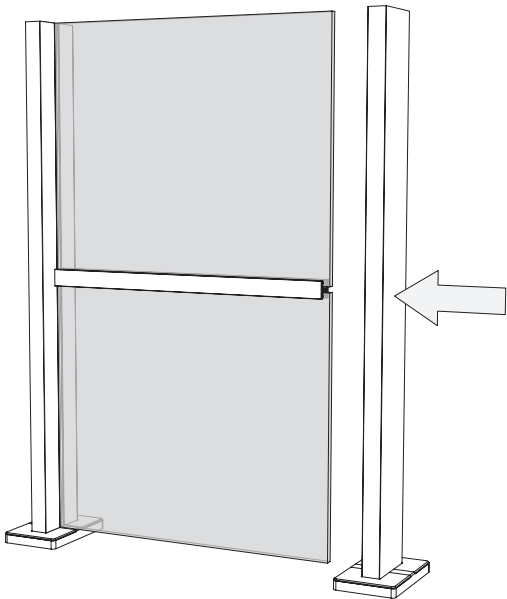


Installation-Varia: H Channel

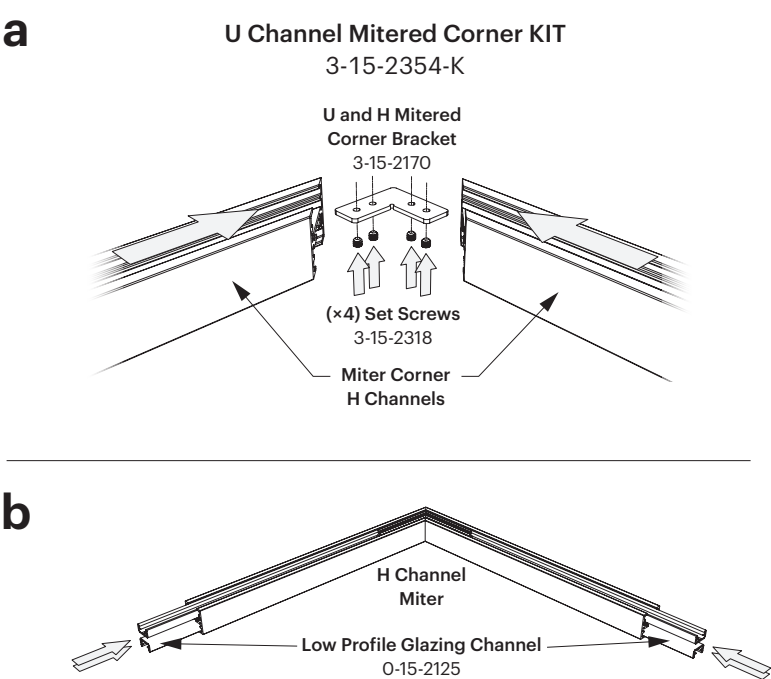
2 Attach to First Vertical Post



3 Attach to Second Vertical Post



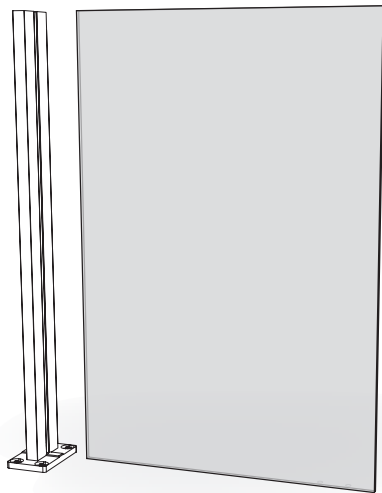
4 Corner Miter



Installation-Varia: Varia Panels

1 Install Varia Panel

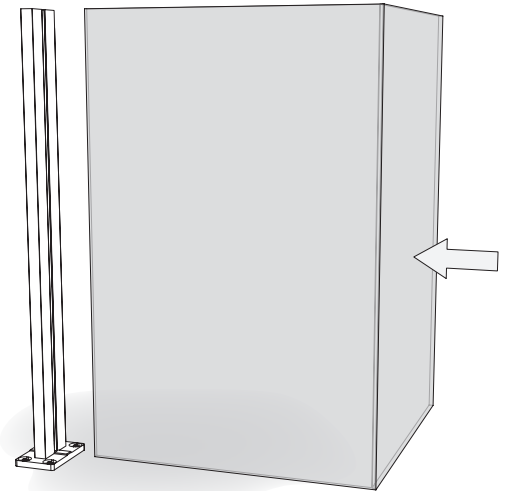
The Varia Panel pushes into Glazing Channel that is captured in the Vertical Post. Ensure the panel is fully seated into Glazing Channel. You can use ratchet straps (3-15-2301) to aid in installing panel into Glazing Channel.



For floor-to-ceiling installations, ensure to level and square posts so the panel is engaged in the Glazing Channels as much as possible. With cantilevered installations, the Top Rail will help to "pull" any posts to square.

2 Install Corner Varia Panel

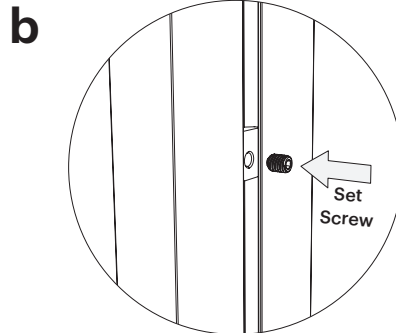
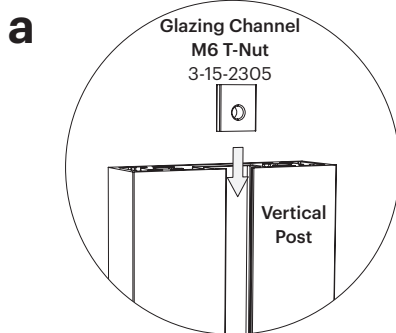
Corner panels are installed in the same fashion described in Step 1.



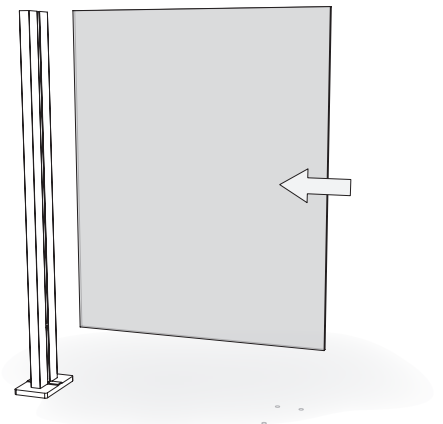
Installation-Varia: Varia Panels Lift Configuration

1 Install Panel Lift Kit

For conditions where the Varia Panel is raised with no U-Channel at the base, use Ittuo Panel Lift KIT (3-15-2305-K) to set the height of the panel in the vertical post.



2 Install Varia Panel

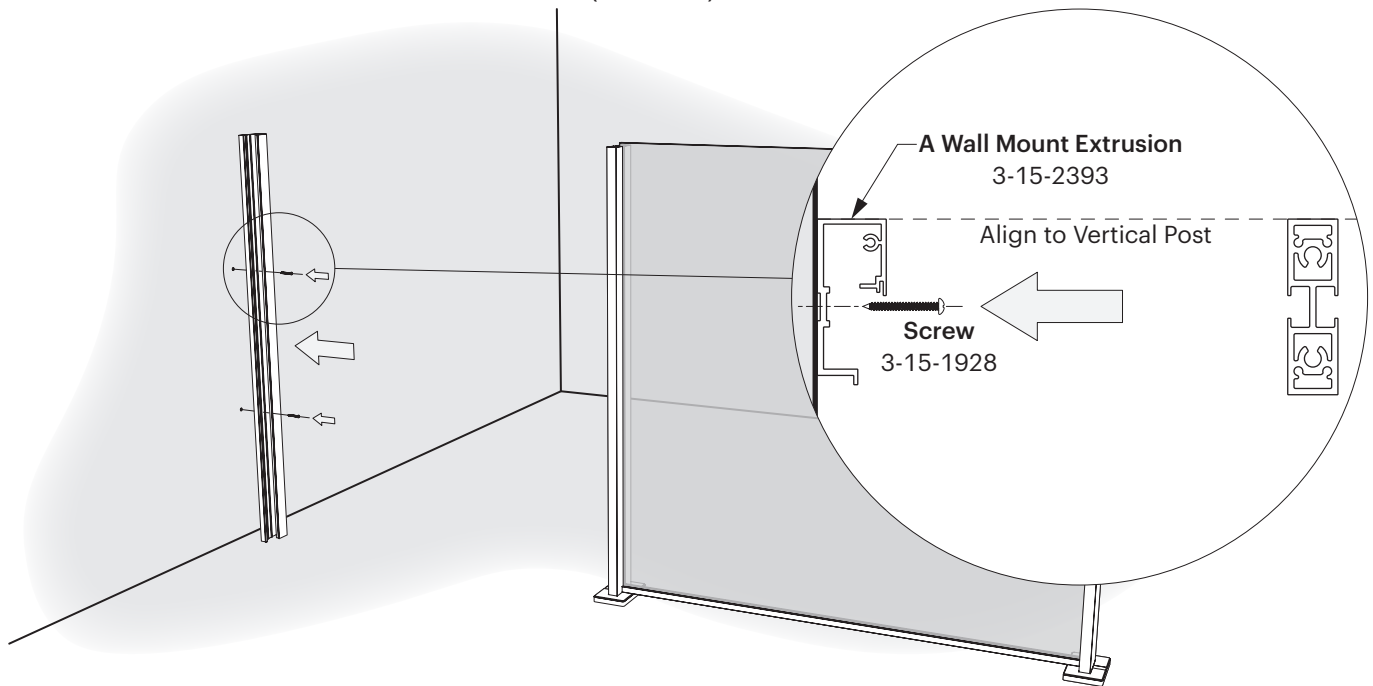


Installation-Glass: Wall Mount Assembly

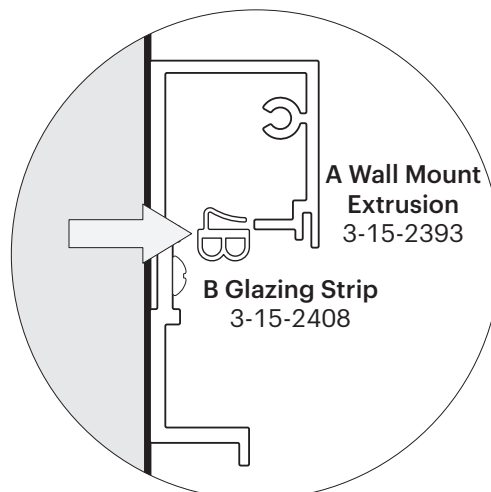
If your Ituo structure terminates at a wall, a Wall Mount Post will be required. A Wall Mount Post is installed last. Install only after the other vertical posts and Glass panels of the Ituo system are installed.

1 Install Wall Mount Extrusion

- a** Install A Wall Mount Extrusion (3-15-2393) on wall using screws (3-15-1928) from Wall Mount Anchoring KIT (3-15-1927-K), using anchor (3-15-1927) if necessary. Install so that edge of extrusion (3-15-2393) lines up with the edge of previously installed Vertical Posts. The bottom of the extrusion (3-15-2393) will rest on the floor.

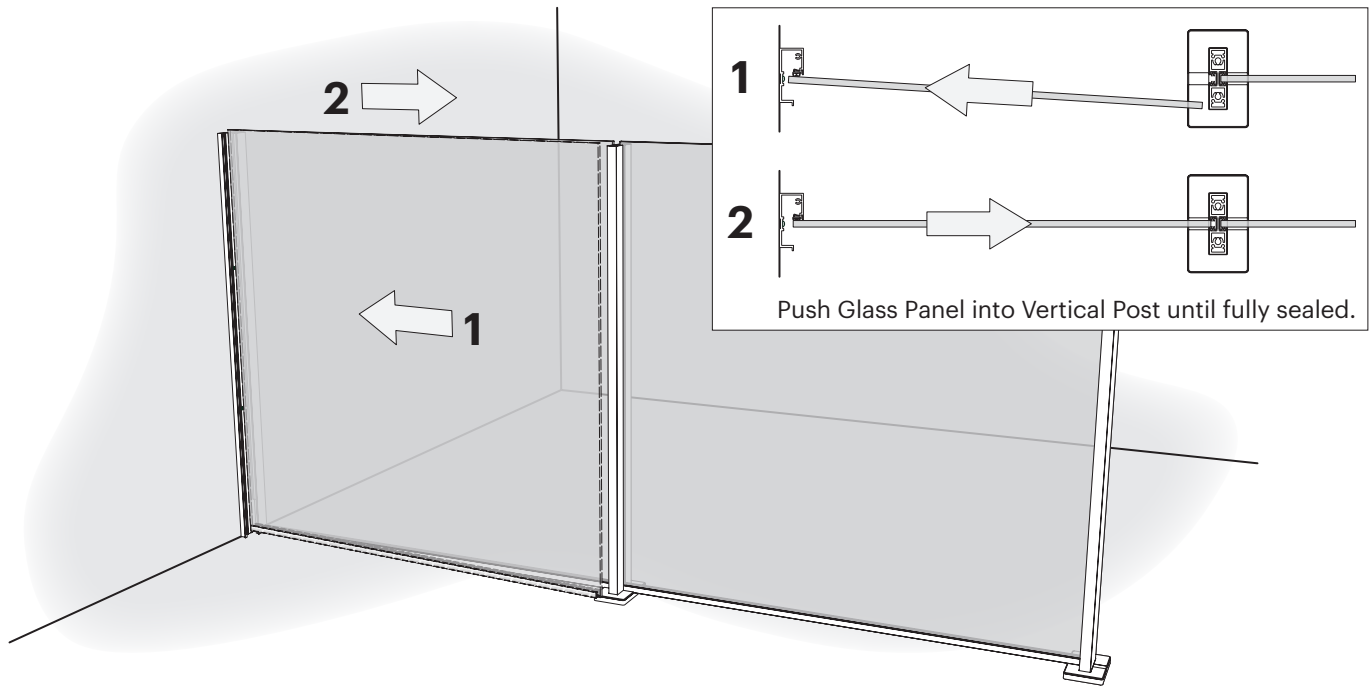


- b** Install B Glazing Strip (3-15-2408) onto flange of A Wall Mount Extrusion (3-15-2393).



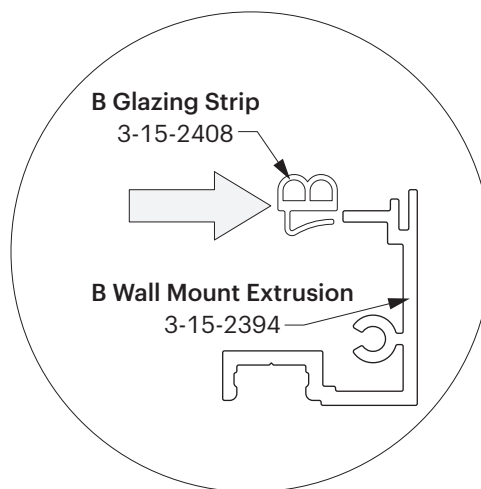
Installation-Glass: Wall Mount Assembly

2 Install Glass Panel Between Wall Mount Extrusion and Vertical Post



3 Install B Extrusion

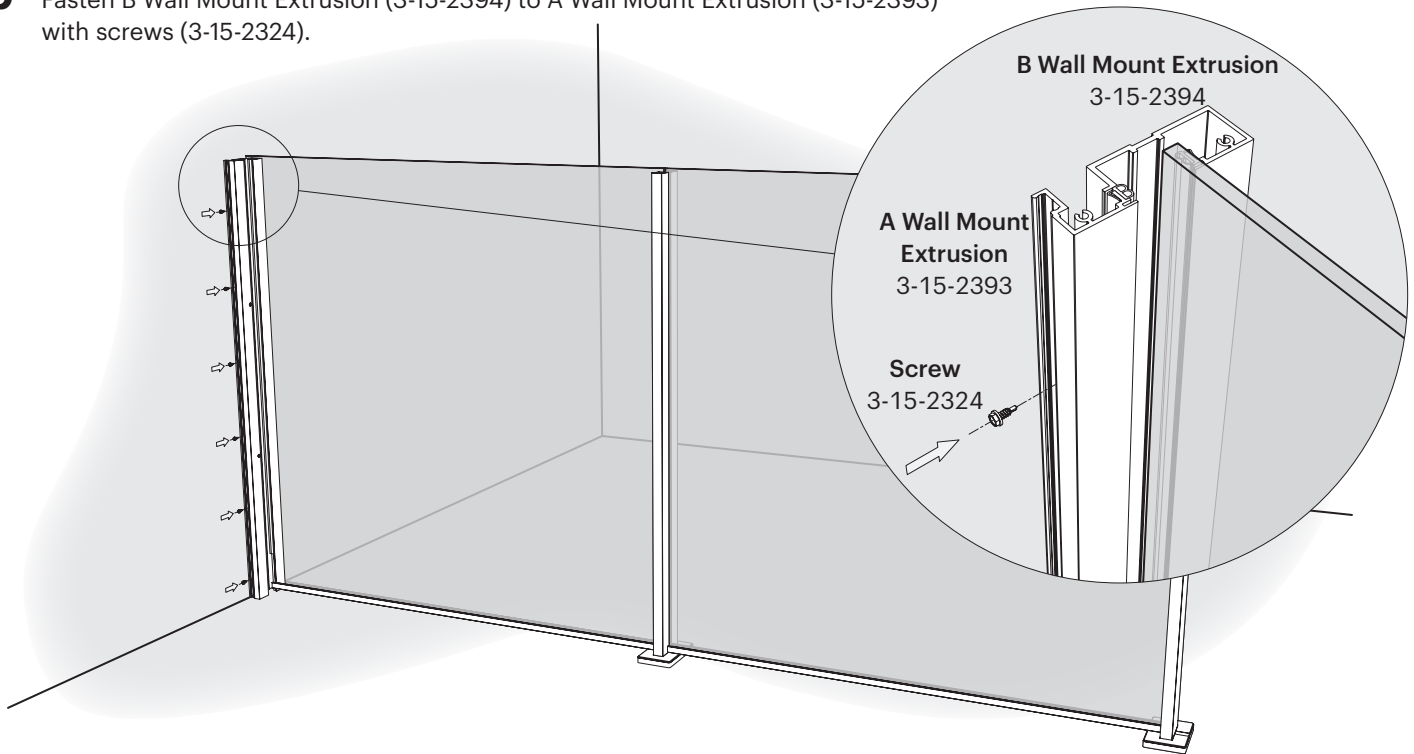
- a** Install B Glazing Strip (3-15-2408) onto flange of B Wall Mount Extrusion (3-15-2394).



Installation-Glass: Wall Mount Assembly

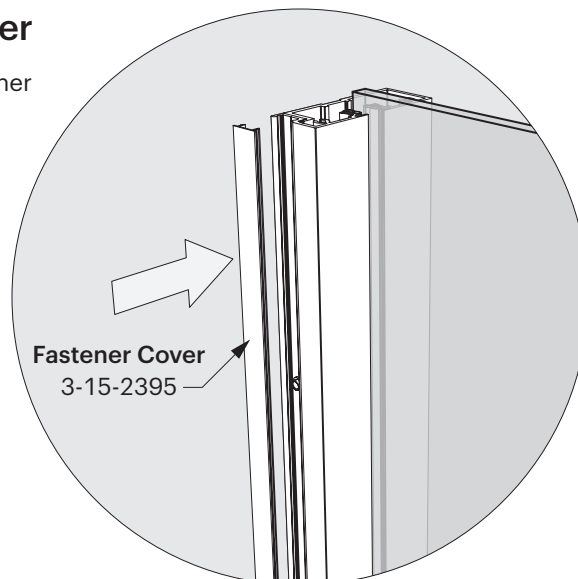
3 Install B Extrusion *cont...*

- b** Fasten B Wall Mount Extrusion (3-15-2394) to A Wall Mount Extrusion (3-15-2393) with screws (3-15-2324).



4 Install Fastener Cover

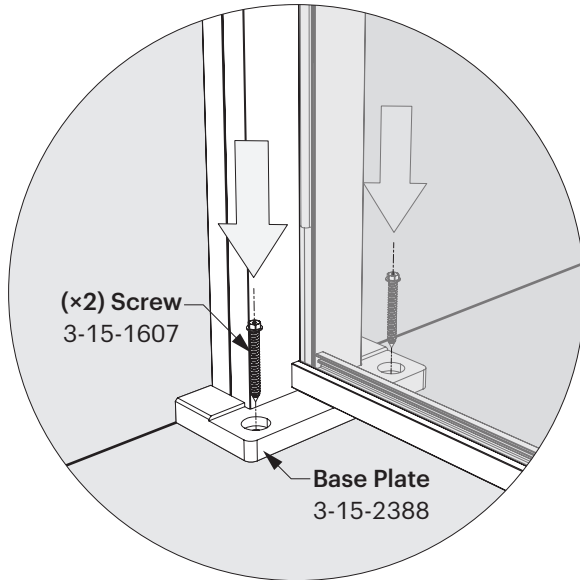
Cover screw heads with Fastener Cover (3-15-2395).



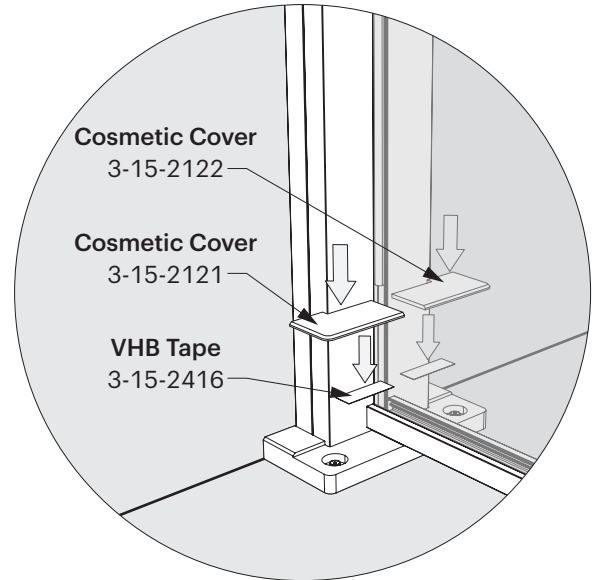
Installation-Glass: Wall Mount Assembly

5 Install Base Plates

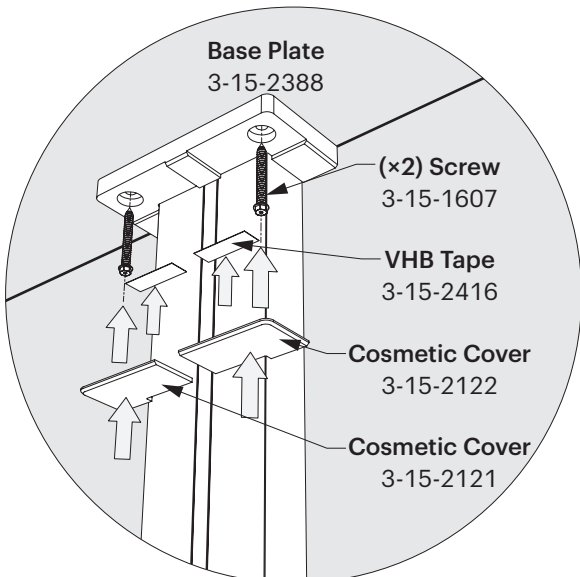
a Use screws (3-15-1607) to install Base Plate (3-15-2388).



b Adhere Cosmetic Covers (3-15-2121 and 3-15-2122) to Base Plate (3-15-2388) with VHB tape (3-15-2416).



c If Ituo install is a Floor-to-Ceiling System, fasten a Base Plate KIT (3-15-2388-K) to the ceiling on the top of the Wall Mount Extrusion.

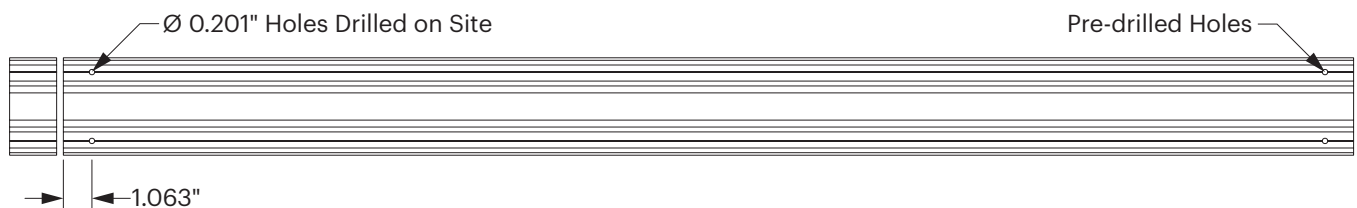


Installation-Glass: Wall Mount Assembly

6 Install Top Rail (optional)

- a** Locate the appropriate length Top Rail (O-15-2103), with only 2 holes drilled on one side. This Top Rail will be supplied with an extra 2" so installer can cut down to size so it sits flush against the wall. Measure and cut the Top Rail (O-15-2103) to the required length. **Cut the side without holes.**

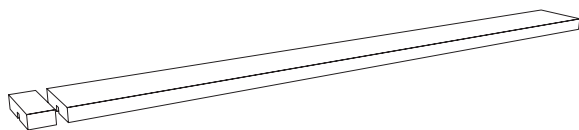
Add two 0.201" Ø holes along the scribe lines, 1.063" from cut end.



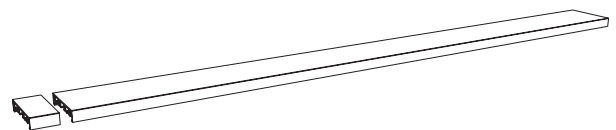
- b** Install on Vertical Posts following instructions for Top Rails on pages 42-48.

7 Install Half Wall Top Rail (optional)

- a** On half wall installations with either Aluminum or Wood Top Rail, locate the appropriate length Top Rail. This Top Rail will be supplied with an extra 2" so installer can cut down to size so it sits flush against the wall. Measure and cut the Top Rail to the required length.



Half Wall, Wood Top Rail

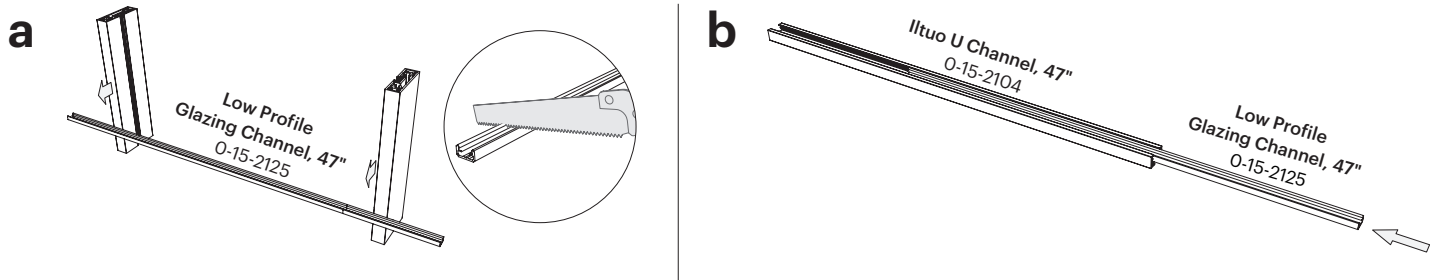


Half Wall, Aluminum Top Rail

- b** Install on Vertical Posts following instructions for Half Wall, Wood Top Rail on page 54 or for Half Wall, Aluminum Top Rail on pages 55-58.

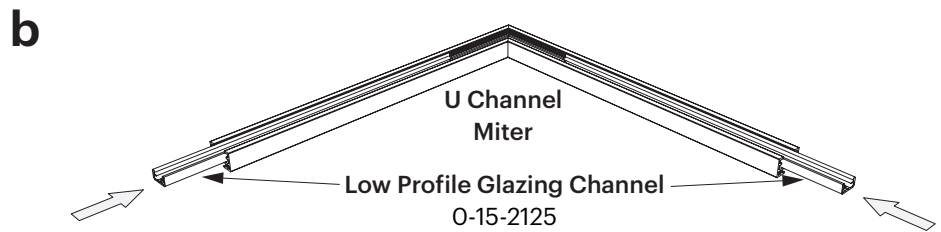
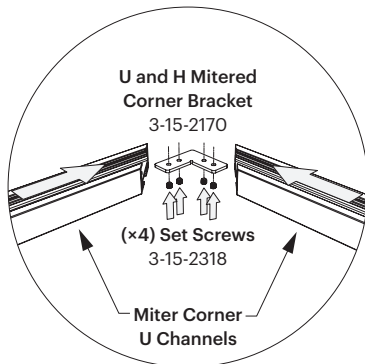
Installation-Glass: U Channel

1 Measure and Cut Low Profile Glazing Channel



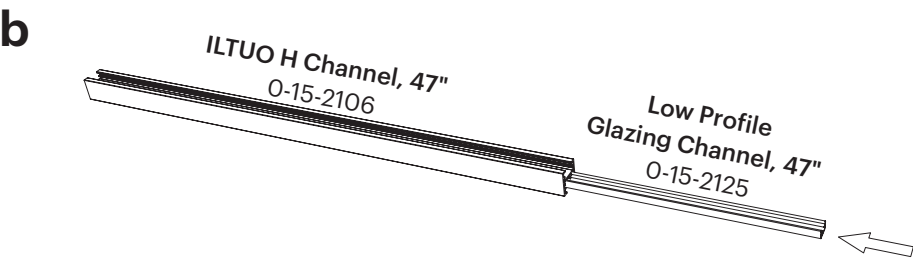
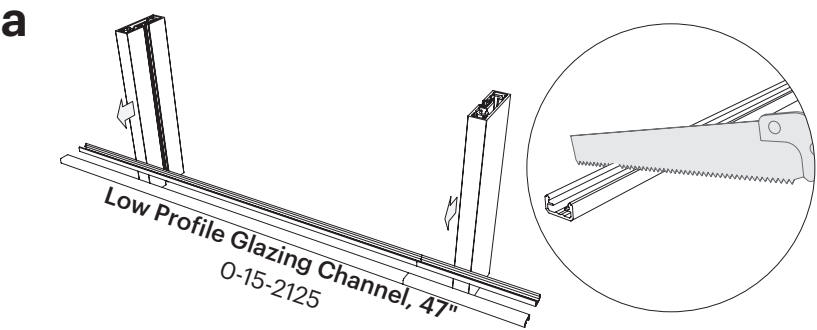
2 Corner Miter

a U Channel Long Leg Mitered Corner KIT 3-15-2180-K

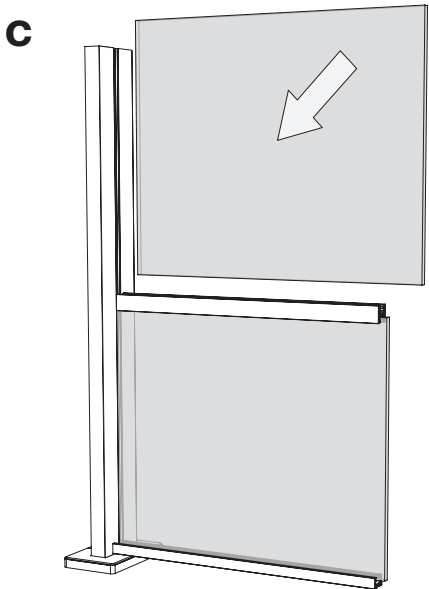
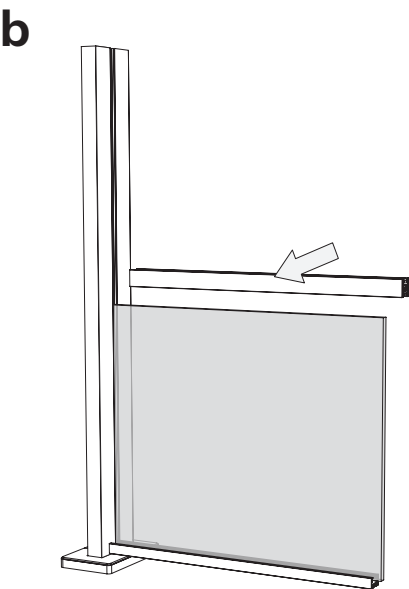
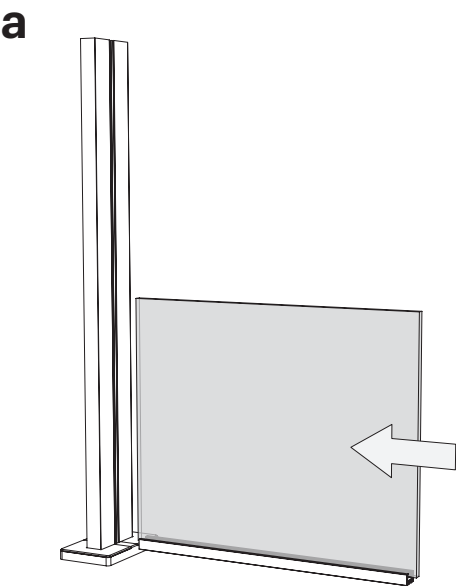


Installation-Glass: H Channel

1 Measure and Cut

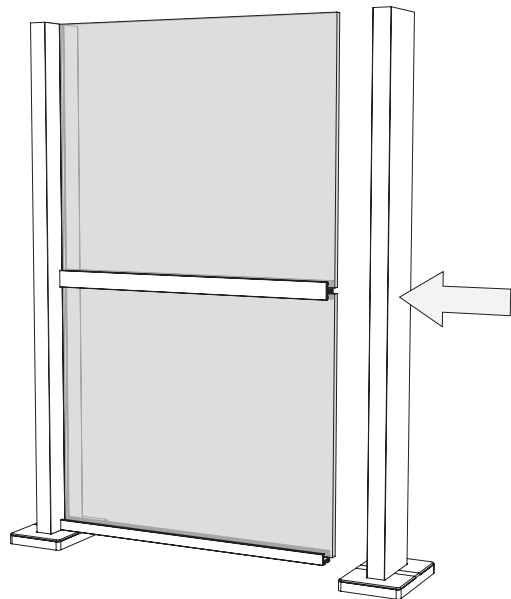


2 Attach to First Vertical Post



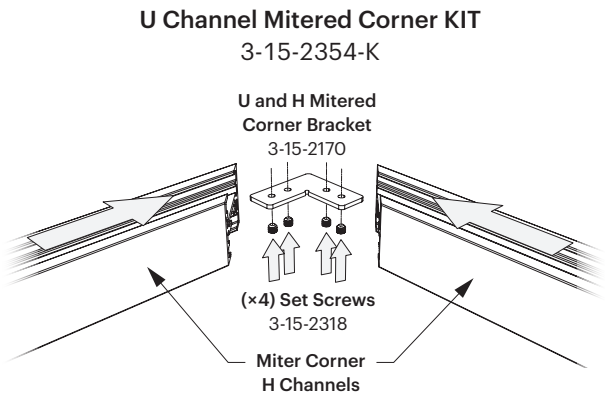
Installation-Glass: H Channel

3 Attach to Second Vertical Post

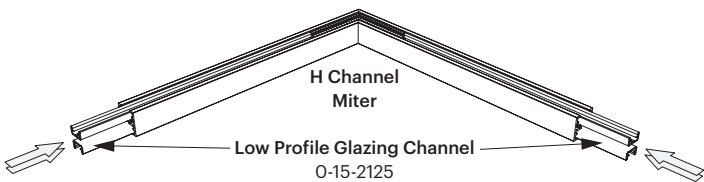


4 Corner Miter

a



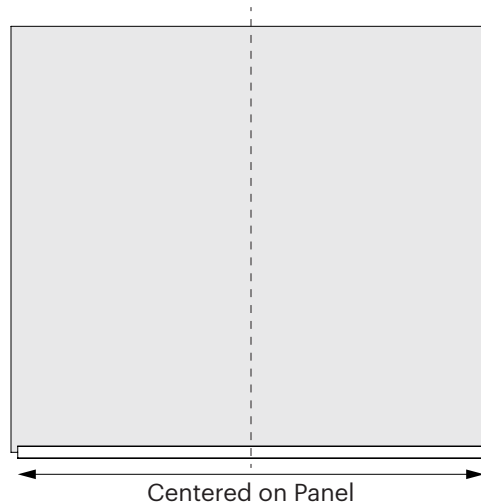
b



Installation-Glass: Glass Panels

1 Engage Glass Panel in U Channel

With 2 people, orient the Glass Panel and lift it so that it is centered and fully seated in the U Channel. When fully seated, it should be difficult to remove the Glazing Channel and U Channel from the Glass Panel.

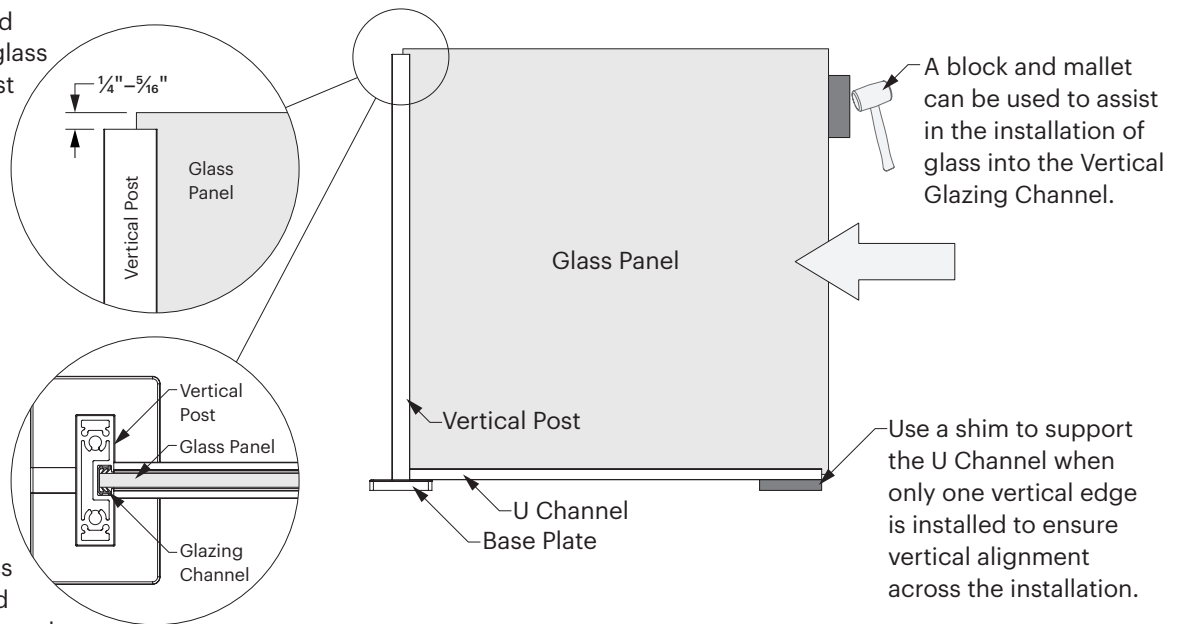


2 Install Glass Panel into Vertical Post

Insert long edge of the Glass Panel into the Glazing Channel in the anchored Vertical Post. Rest the U Channel on the Base Plate.

Use best practices for glass installation.

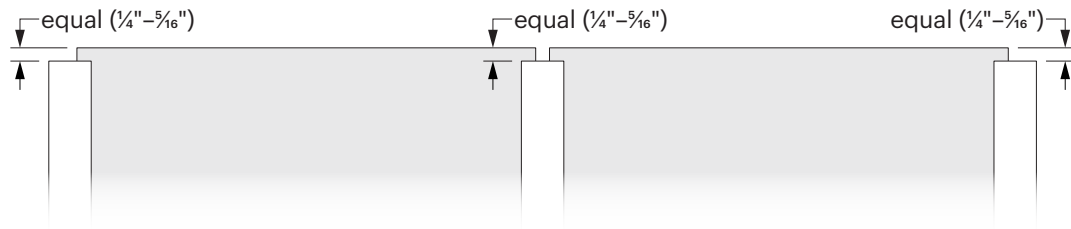
For all cantilevered installations, the glass should extend past the height of the vertical post by approximately $\frac{1}{4}" - \frac{5}{16}"$.



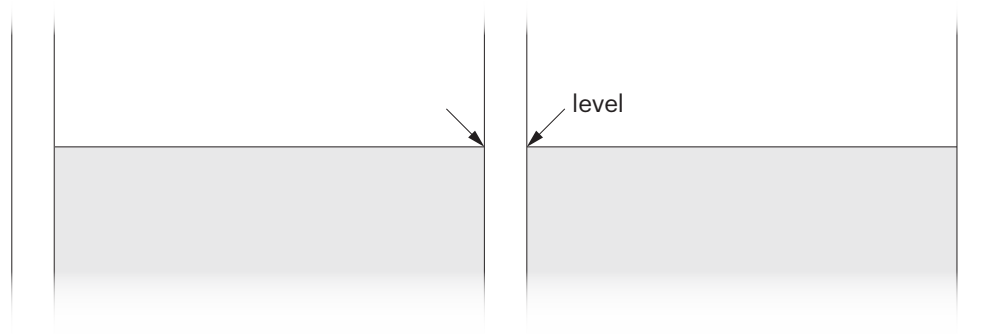
Installation-Glass: Glass Panels

3 Keep Additional Glass Panels Level

When installing multiple glass panels, ensure that additional Vertical Posts are level and square so that the glass consistently extends above the posts $\frac{1}{4}" - \frac{5}{16}"$. This is critical for the Top Cap or Top Rail engagement.



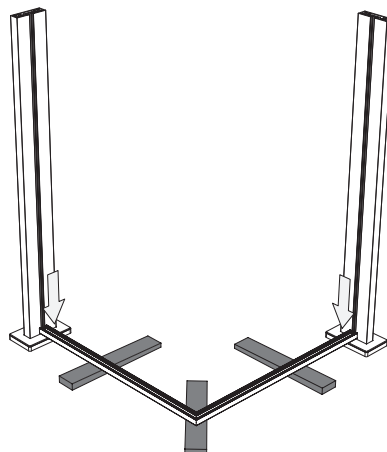
For floor-to-ceiling installations, ensure that the top line of the glass is level from panel to panel.



Installation-Glass: Glass Corner Panels

1 Place U Channel Corner Assembly

- a** Assemble the U Channel Mitered Corner Kit (3-15-2180-K) and nest on the 2 base plates of the corner posts. Use a shim to support both sides of the cantilevered corner during installation.



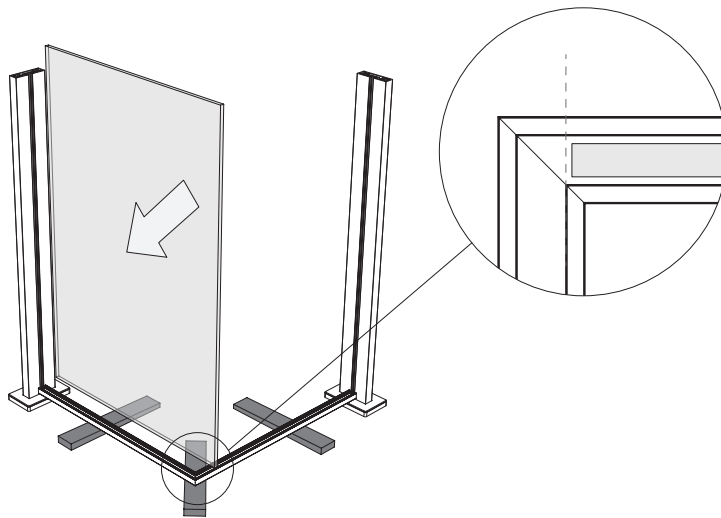
- b** Apply a small amount of silicone along the Glazing Channel prior to glass installation to doubly ensure the U Channel will stay attached to the glass.

Installation-Glass: Glass Corner Panels

2 Install Narrow Panel (23")

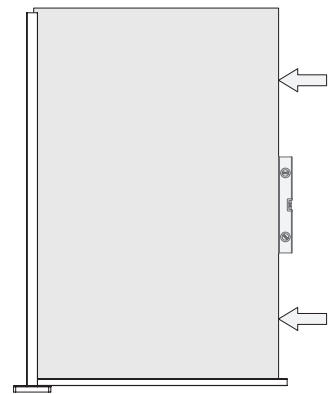
The corner panels measure 23" and 23.5" wide. Install the narrow panel (23") first.

Ensure there is full vertical engagement in the Glazing Channel in the Vertical Post and full horizontal engagement in the Glazing Channel in the U Channel.



The exposed edge of the glass should be clear of the inside edge of the adjacent U Channel.

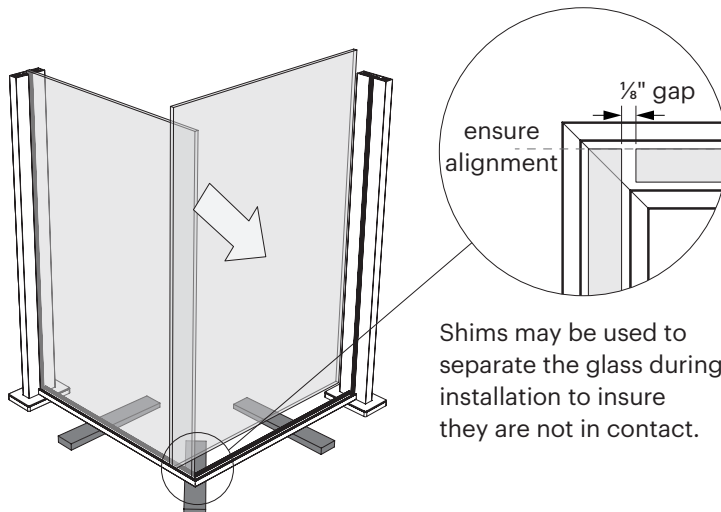
Use a block and mallet according to glass installation best practices to ensure the exposed edge is vertically leveled.



3 Install Long Panel (23.5")

Install the long panel.

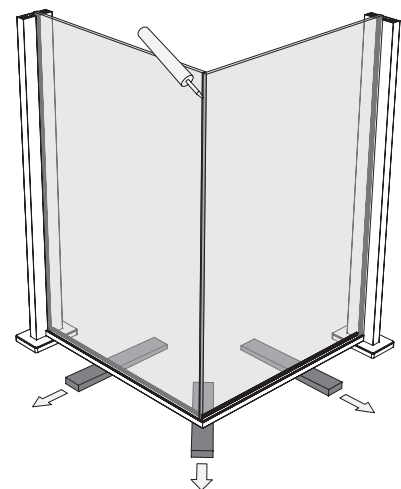
Ensure there is full vertical engagement in the Glazing Channel in the Vertical Post and full horizontal engagement in the Glazing Channel in the U Channel.



Shims may be used to separate the glass during installation to insure they are not in contact.

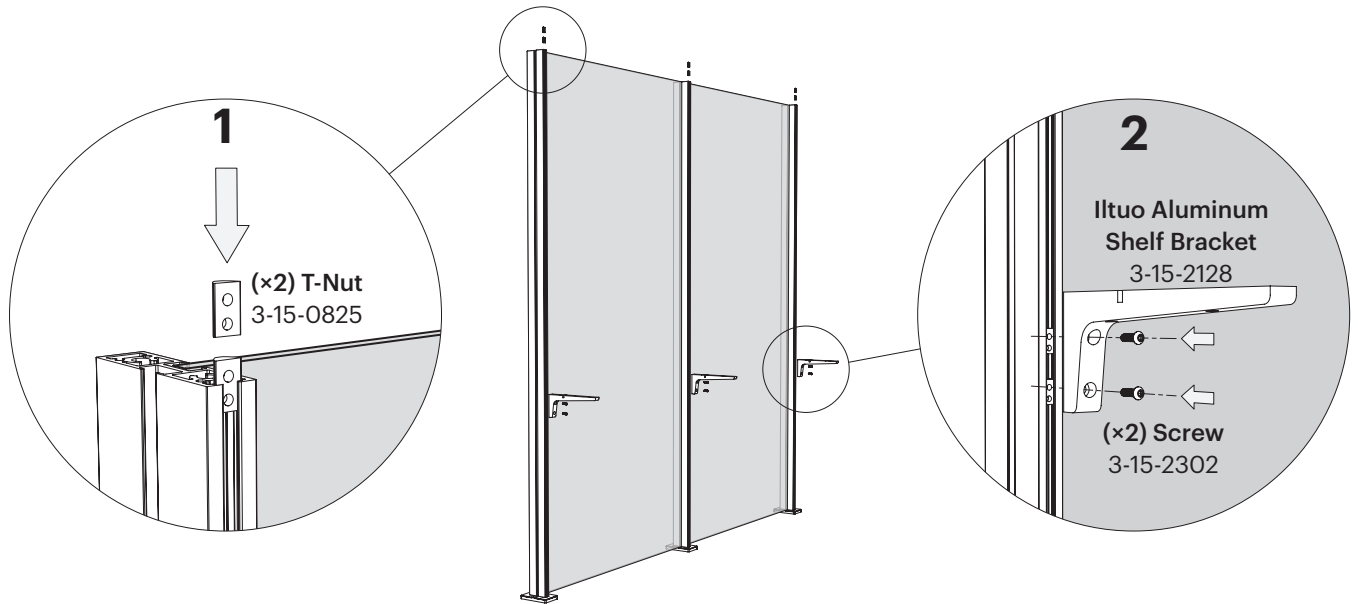
4 Silicone the Open Seam

Silicone the open seam and then remove the shims.

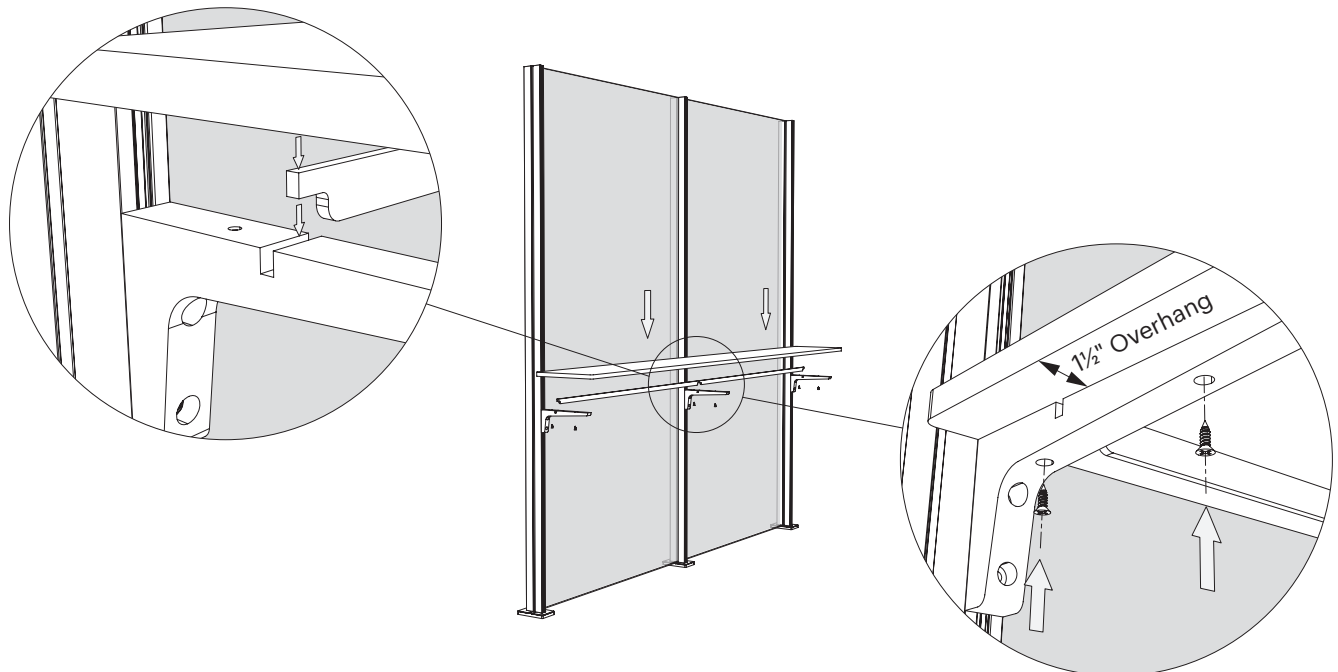


Installation-Accessory: Shelves

1 Install Shelf Brackets into Slots of Vertical Posts



2 Fasten Shelf to Brackets



Installation-Accessory: Hush Mount

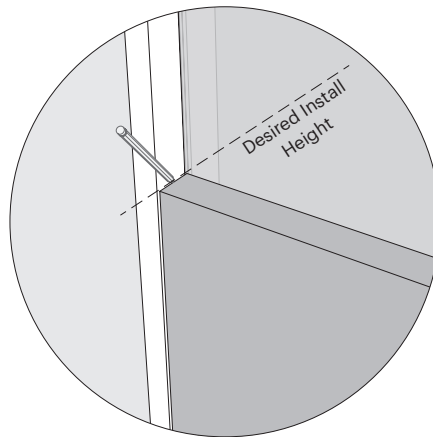
To install Hush Mount as part of new installation, complete Step 3 on page 45, then Hush Mount Step 2 on page 86.

To install Hush Mount as a retrofit to an existing Ittuo system, start with Step 1 on this page.

1 Determine and Mark Desired Position for Hush Mount (Retrofit)

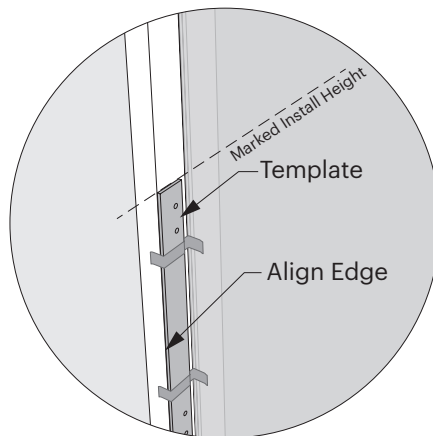
Hush Mount should be installed before any Hush Bars are installed.

- a** Determine the location the Hush Mount will be installed. Mark the height of the top of the Hush Mount installation.



If Hush Bars will be installed to fill the void space around the Hush Mount, ensure the height of the Hush Mount accommodates this.

- b** Align the provided template with this mark and the front edge of the Ittuo post. The template represents the total height of each Hush Mount. The template edge should be aligned so that there is a larger space towards the front of the post.



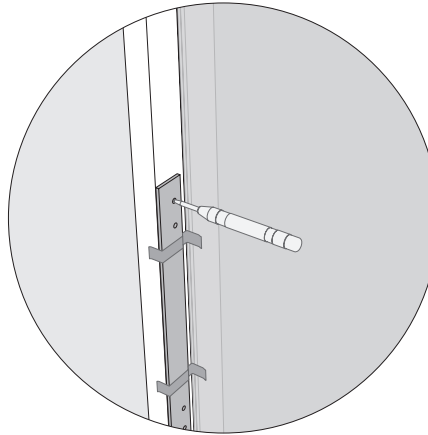
3form recommends taping and/or clamping the template to the post during this step to get the spacing correct so that the Hush Mount aligns with the Hush Bar faces.

Installation-Accessory: Hush Mount

1 Determine and Mark Desired Position for Hush Mount (Retrofit) *cont...*

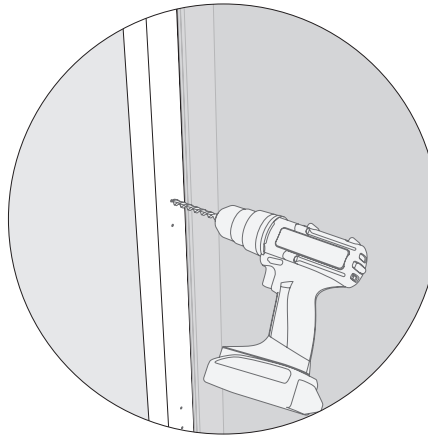
- c** Mark the hole locations (4 per hush mount on a single post) and double check that they are the same distance from the front edge (or that your template has not slipped).

Use a center punch to mark the center locations and for your drill bit to not walk as you are drilling these pilot holes.

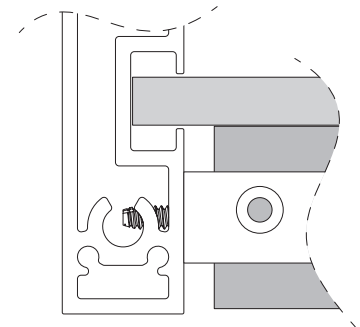


- d** Mask Varia Panel to protect it from scratching or marring when drilling holes and installing mounting brackets.

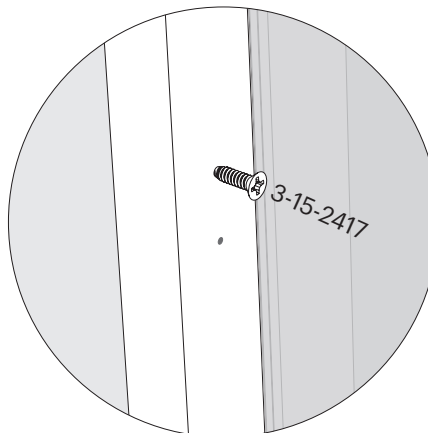
- e** Using included 17 gauge metal drill bit (3-15-2419), drill through 2 wall thicknesses in the post. (½" deep). The holes should be drilled perpendicular to the face of the post.



The screw is ⅝" long and will reach almost to the centerline of the post.



- f** Pre-thread holes (without bracket) using cutting screw (3-15-2417). **Stay perpendicular to the post.**

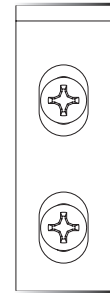
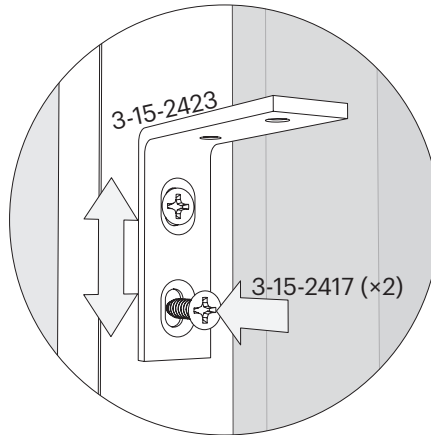


- g** Repeat steps 1a - 1f for opposing post so that hole locations match across a module.

Installation-Accessory: Hush Mount

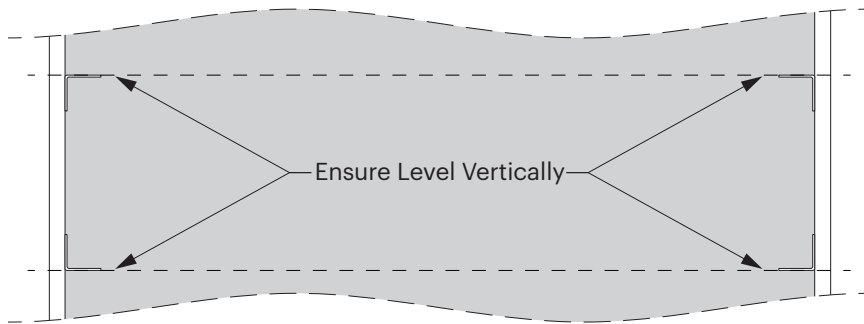
2 Install Hush Mount

- a** Install Ituo Hush Mount attachment bracket (3-15-2423) to the post using screws (3-15-2417).

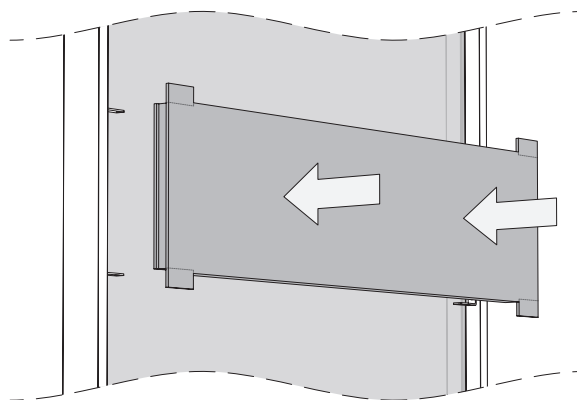


Center screws in slots to start.

- b** Mount 4 brackets on opposing posts.



- c** Open tabs and insert Hush Mount into brackets.

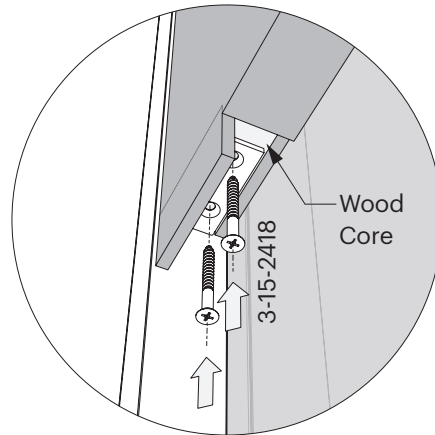


- d** Make any adjustments in attachment bracket to ensure level and fit.

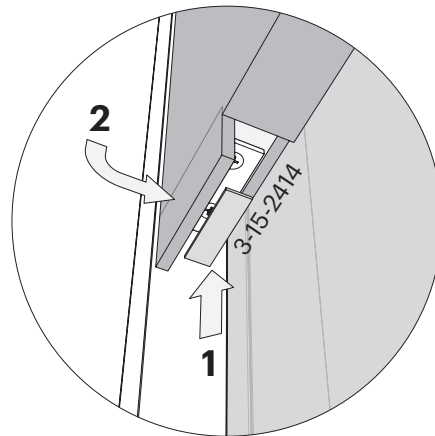
Installation-Accessory: Hush Mount

2 Install Hush Mount *cont...*

- e** After pre-drilling holes, use 2 screws (3-15-2418) per bracket to attach bracket to wood core of mounting board. Make sure wood core is centered on attachment bracket.



- f** Once all 4 Hush Mount attachment brackets are securely connected to the Hush Mount core, use VHB tape, included in 3-15-2423-K to secure felt tabs in place.



- g** Once tabs are secured, Hush Mount can now accept accessories for mounting.

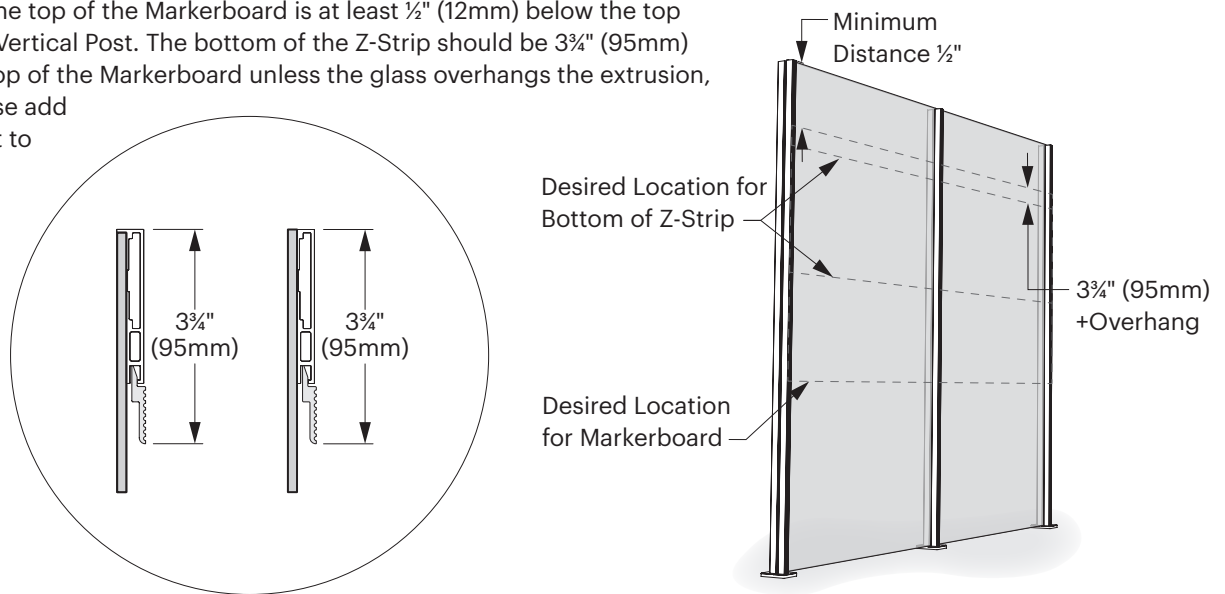
Installation-Accessory: Markerboard

For Markerboard installation directly attached to posts, follow steps 1-4, then steps 7-8.

For Markerboard installation attached to Hush Mount, follow step 2, then steps 5-8.

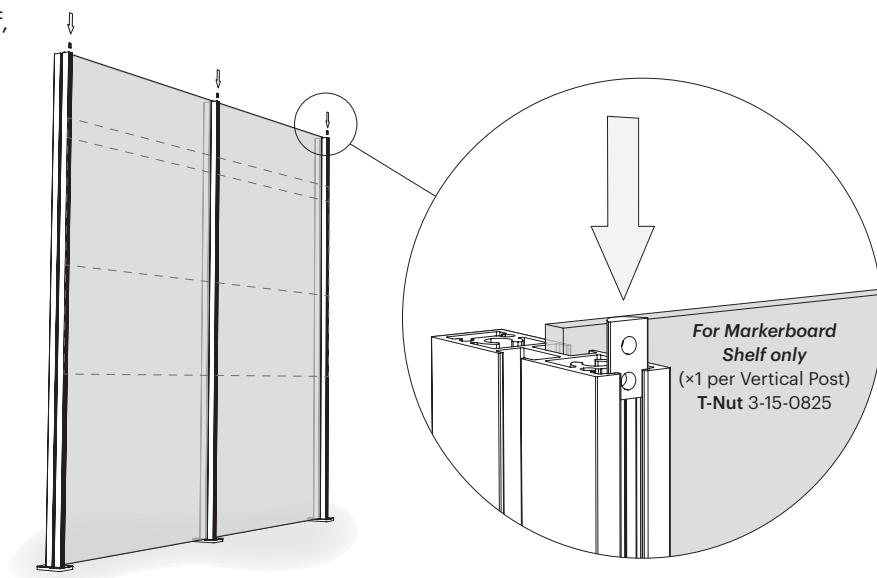
1 Determine Desired Placement of Markerboard

Make sure the top of the Markerboard is at least $\frac{1}{2}$ " (12mm) below the top of the Ittuo Vertical Post. The bottom of the Z-Strip should be $3\frac{3}{4}$ " (95mm) below the top of the Markerboard unless the glass overhangs the extrusion, in which case add that amount to this figure.



2 Insert T-Nuts for Markerboard Shelf (Optional)

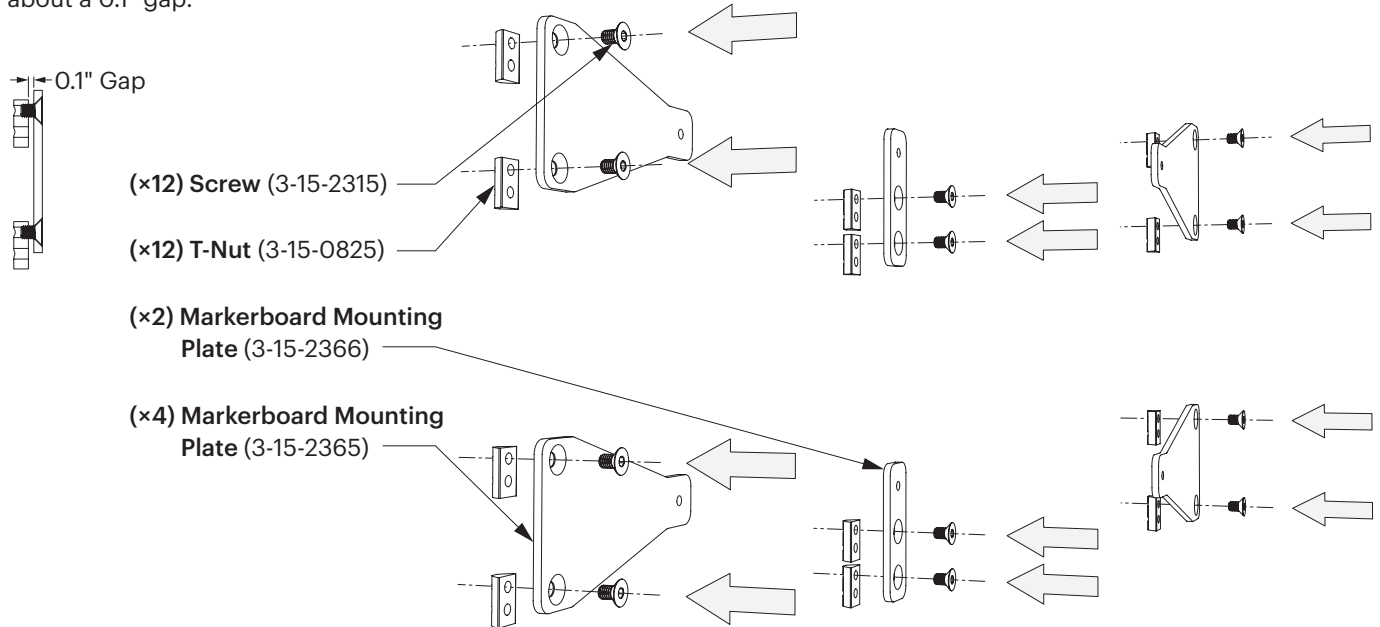
If installing a Markerboard Shelf, insert (×1) T-Nut (3-15-0825) in each Vertical Post.



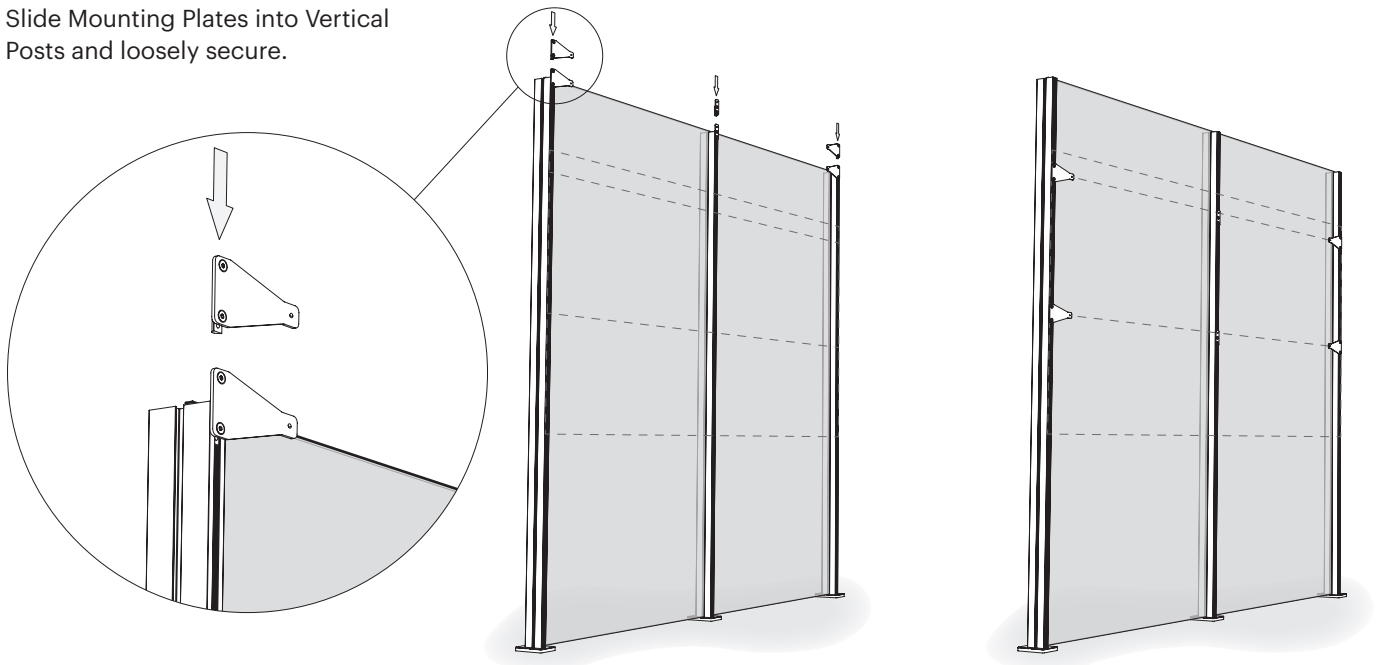
Installation-Accessory: Markerboard

3 Install Markerboard Mounting Plates

- a** Install screws (3-15-2315) and T-nuts (3-15-0825) into the countersunk holes of the Markerboard Mounting Plates, leaving about a 0.1" gap.



- b** Slide Mounting Plates into Vertical Posts and loosely secure.

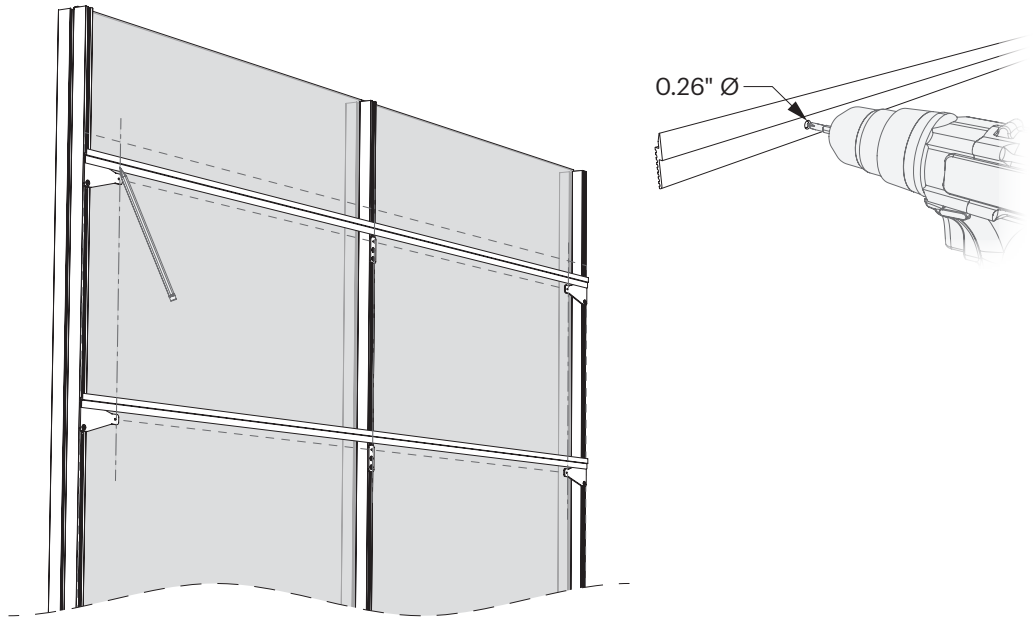


Installation-Accessory: Markerboard

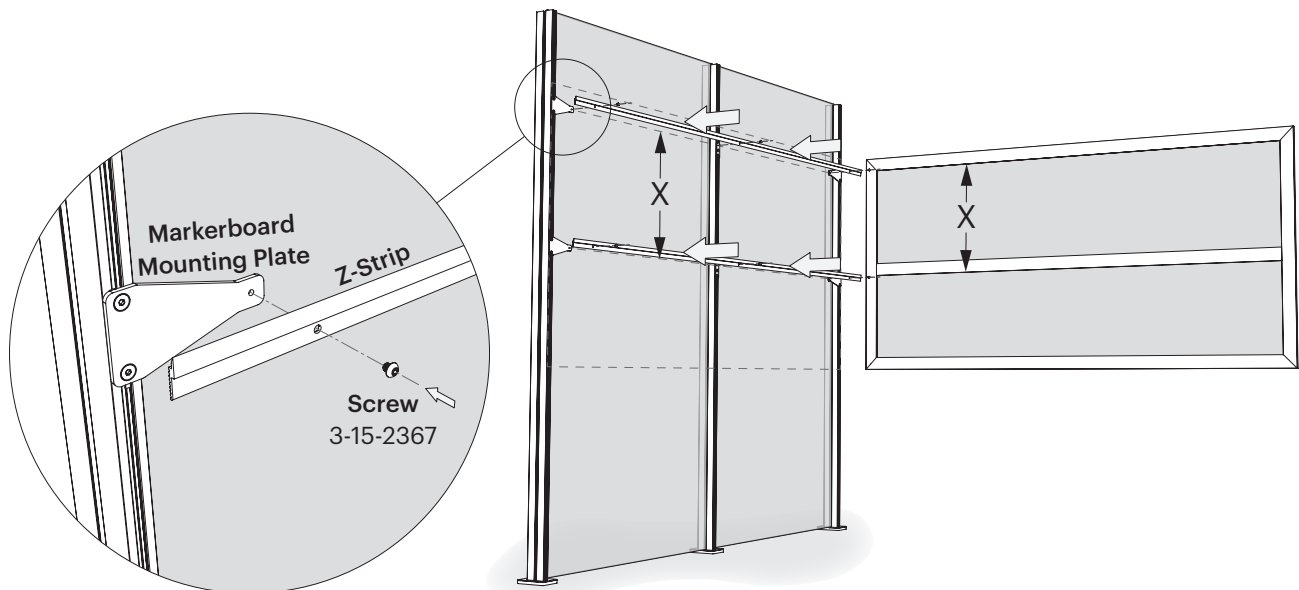
4 Install Z-strips

- a** Center the Z-Strip between the end posts and mark the location of the threaded holes on the Z-Strip.

Drill 0.26" diameter holes at those marks on the Z-Strips.



- b** Use screws (3-15-2367) to attach the Z-Strip to the Markerboard Mounting Plates. Space Z-Strips according to Markerboard dimensions. Then fasten Mounting Plates to Vertical Posts securely.



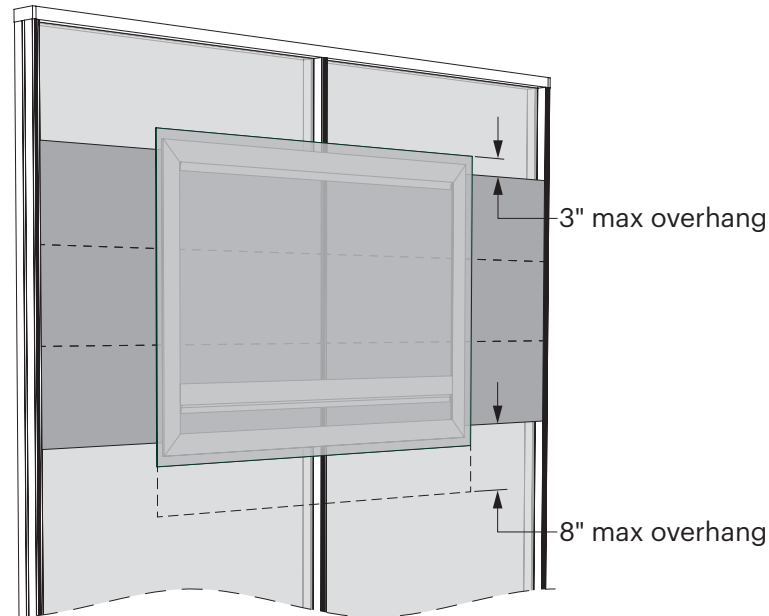
Installation-Accessory: Markerboard

5 Install Hush Mount for Desired Height of Markerboard

See Hush Mount installation on page 84 .

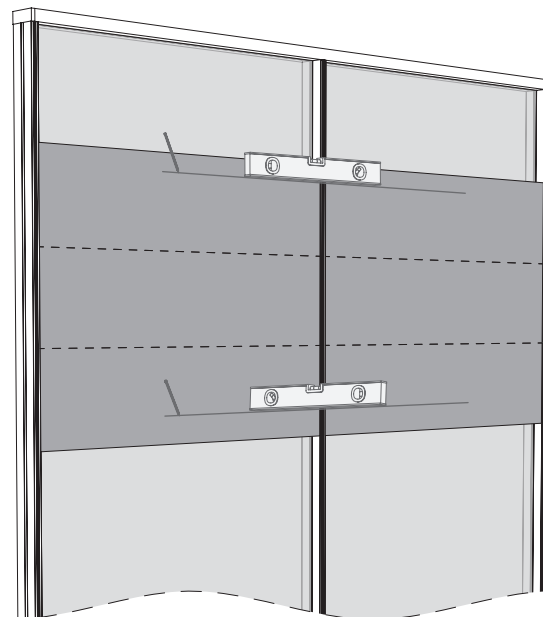
Markerboard can be mounted anywhere on large Hush Mount surface.

You can overlap 3" at the top and 8" at the bottom (due to Z-strip placement on back of Markerboard).



6 Install Z-strips

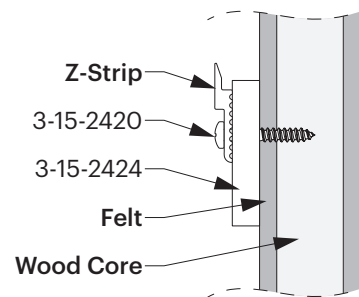
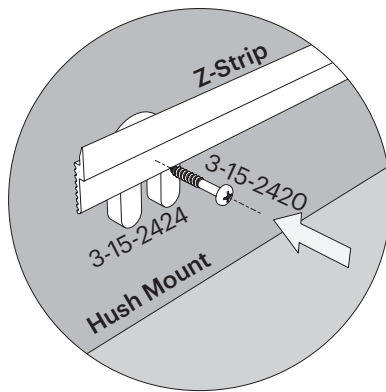
- a** Mark where the bottom of the Z-strip will be located on the Hush Mount face for both Z-strips. Ensure level installation and horizontal position.



Installation-Accessory: Markerboard

6 Install Z-strips *cont...*

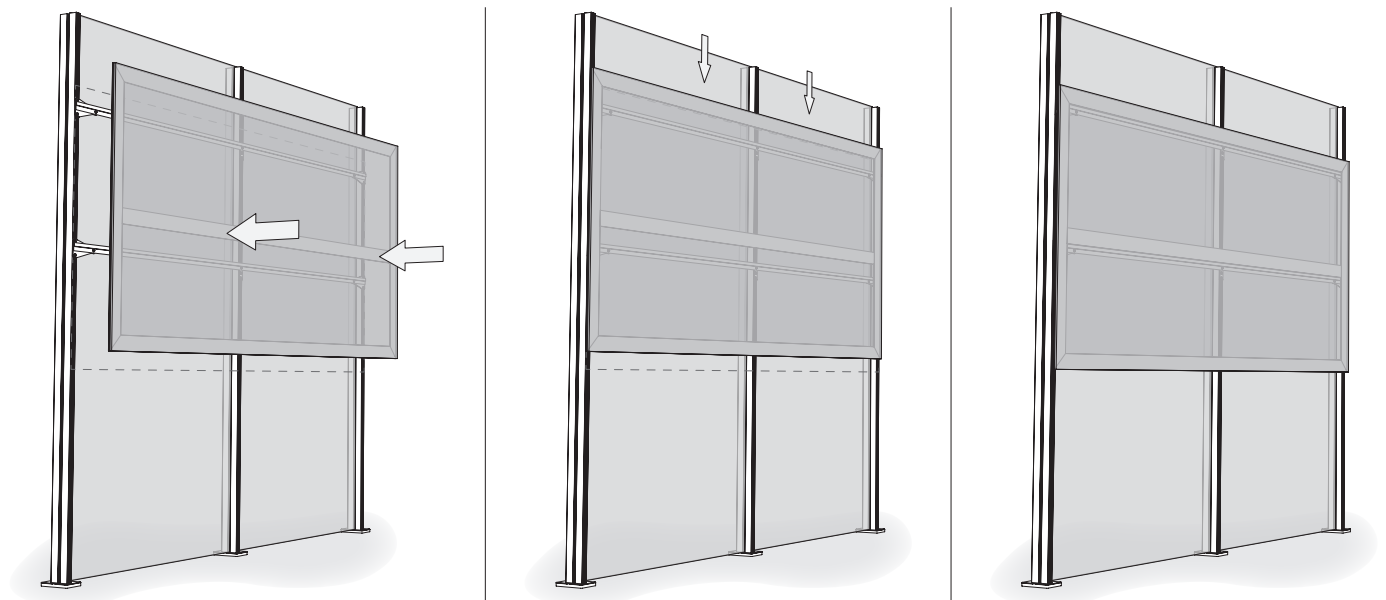
- b** Attach Z-strip using Shim Kit for Markerboard (3-15-2420-K).



**Adjust attachment for flatness along Z-strip as necessary. Make as flat as possible along the length of the Z-strip.*

7 Hang Markerboard

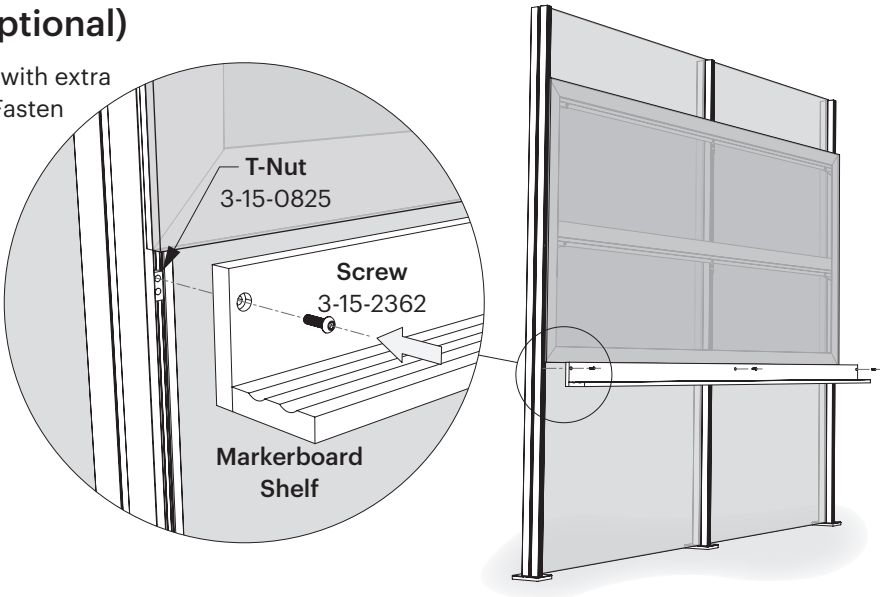
Use glass holders to move panels. Hook the extrusion onto both Z-strips. Ensure that it drops down into a fully engaged position.



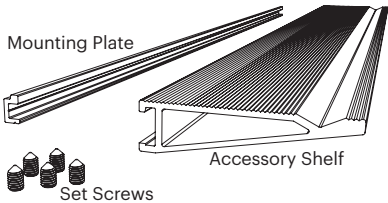
Installation-Accessory: Markerboard

8 Install Markerboard Shelf (Optional)

Secure Markerboard Shelf to Vertical Posts with extra T-Nuts installed in Vertical Posts in Step 2. Fasten Markerboard Shelf with screws (3-15-2362).

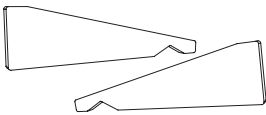


Installation-Accessory: Accessory Shelf



Accessory Shelf

3-15-2449 or 3-15-2450



Accessory Shelf End Caps

3-15-2449 and 3-15-2450

1 Drill Clearance Holes in Mounting Plate

Mounting Type	Clearance Hole	Spacing	Details
Wall - Drywall/Wood Stud	1/8" Clearance	maximum of 11" O.C. 2" in from edges	Use drywall anchors as necessary
Hush Mount	1/8" Clearance	maximum of 11" O.C. 2" in from edges	Use washers when shelf crosses over a post
Iltuo Post - Self Tapping	1/8" Clearance	Determined by post spacing (centerline of posts)	Drill clearance holes in Iltuo posts with #44 size (0.086") drill bit
Iltuo Post - T-Nut	5/32" Clearance	determined by post spacing (centerline of posts)	Align holes with t-slot centerline to ensure shelf holes align with t-nut

Installation-Accessory: Accessory Shelf

2 Attach Mounting Plate to Substrate

2a - Attach to Wall

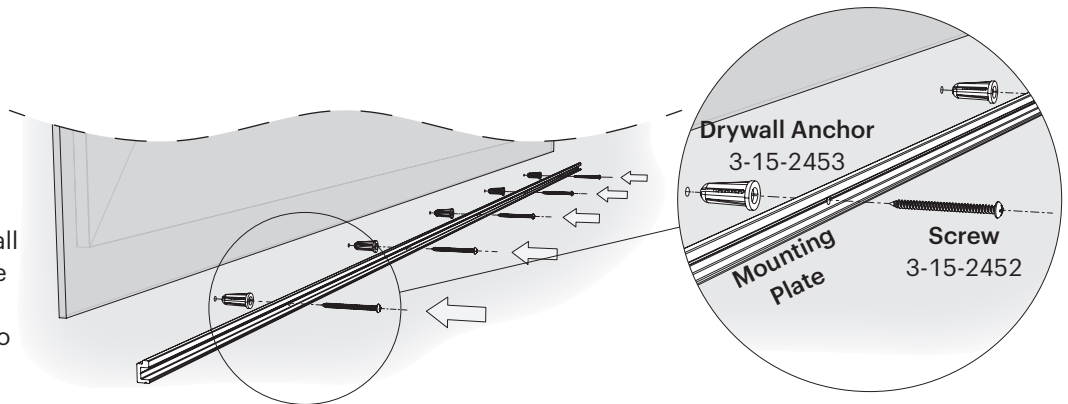
2b - Attach to Hush Mount

2c - Attach direct to Ituo Posts

2d - Attach to Ituo Posts with T-slots

a Attach to Wall

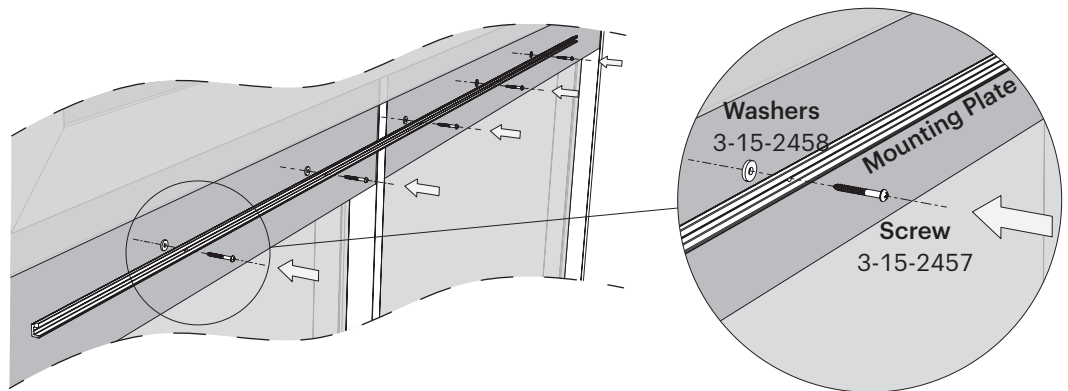
Where possible, install into wood studs with screws (3-15-2452). If installing without wood studs, first install drywall anchor (3-15-2453) in the drywall using a $\frac{3}{16}$ " bit. Install drywall anchor flush to wall. Secure with screws (3-15-2452) through Mounting Plate into drywall anchors.



**Requires Accessory Shelf Wall Mount Attachment KIT (3-15-2452-K), which includes Wall Mount Screws (3-15-2452) and Drywall Anchor #4 × $\frac{3}{4}$ " (3-15-2453)*

b Attach to Hush Mount

If installation will cross over a post from Hush Mount to Hush Mount, use provided aluminum washers (3-15-2458) behind mounting plate. Secure Mounting Plate with wood screws (3-15-2457).



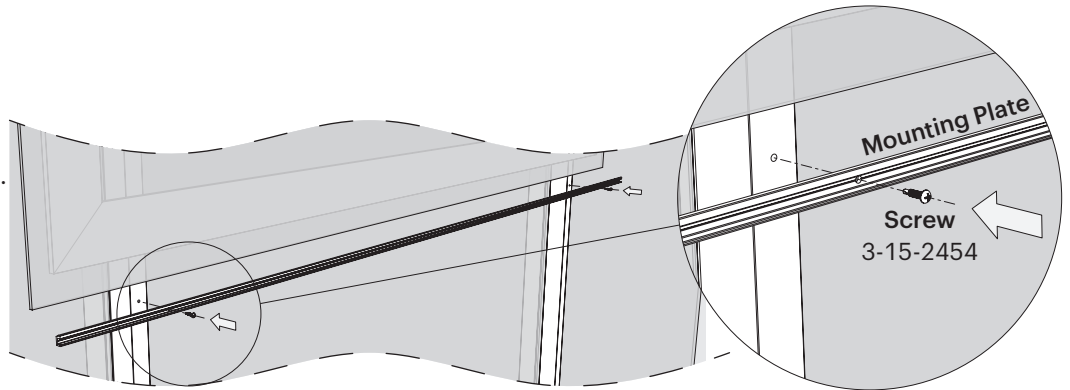
**Requires Accessory Shelf Hush Mount Attachment KIT (3-15-2458-K), which includes #4 × 1" Wood Screws (3-15-2457) and Aluminum Washers (3-15-2458)*

Installation-Accessory: Accessory Shelf

2 Attach Mounting Plate to Substrate cont. . .

C *Attach direct to Ituo Posts*

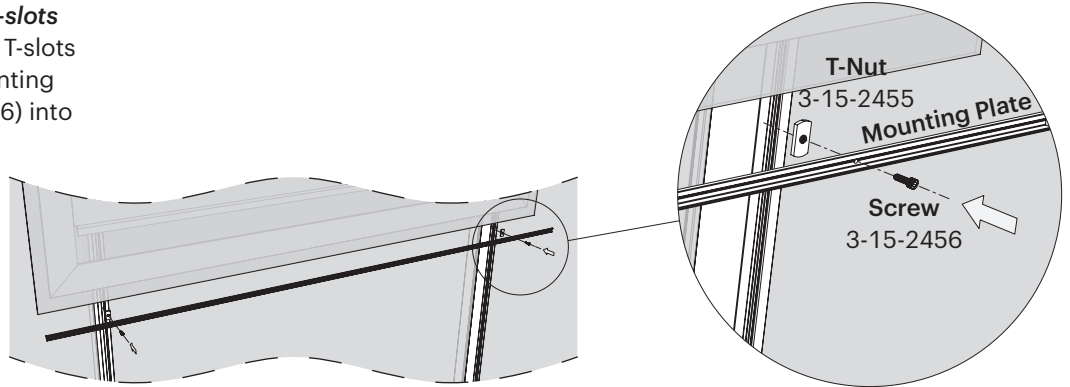
Drill clearance hole in Ituo Post using a #44 size (0.086") drill bit. Secure Mounting Plate with self tapping screws (3-15-2454).



**Requires #4 × 1/2" Self Tapping Screws (3-15-2454)*

d *Attach to Ituo Posts with T-slots*

Insert T-Nuts (3-15-2455) in T-slots on Ituo posts. Secure Mounting Plate with screws (3-15-2456) into T-Nuts.

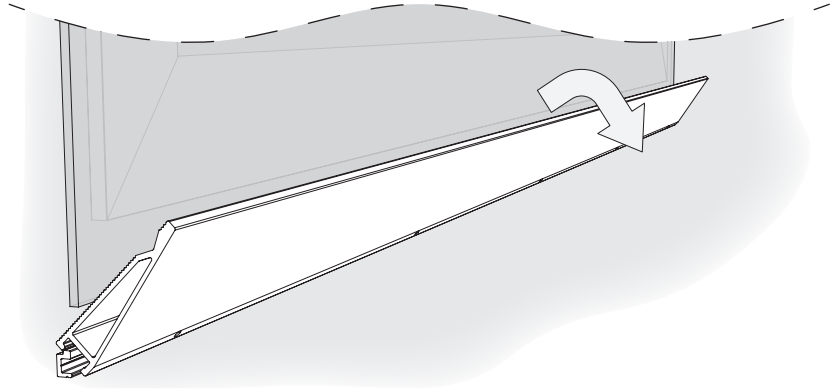


**Requires Accessory Shelf Post Attachment KIT (3-15-2455-K), which includes Low-Profile Narrow-Base Weld Nuts 6-32 (3-15-2455) and 18-8 SS Socket Head Screws 6-32 × 7/16" (3-15-2456)*

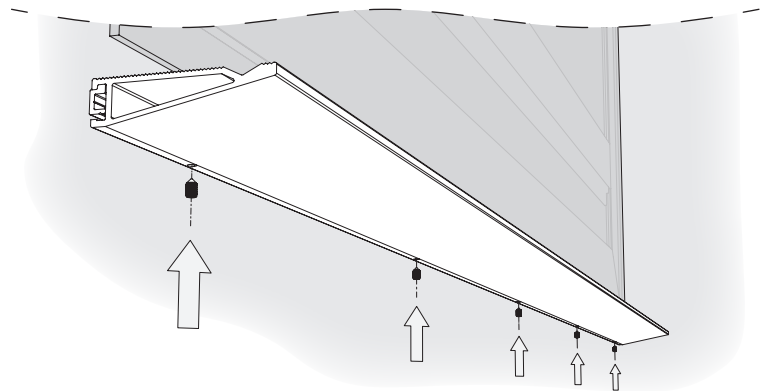
Installation-Accessory: Accessory Shelf

3 Install Accessory Shelf

- a** From top to bottom, engage the top edge of the shelf across the length of the installation and rotate down.

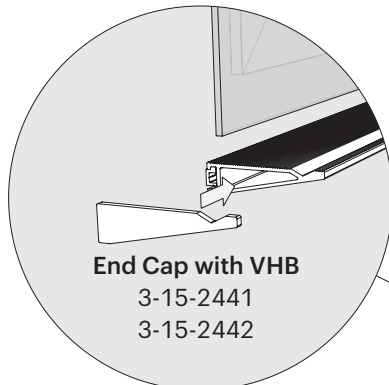


- b** Tighten included set screws to lock shelf in place.



4 Install End Caps

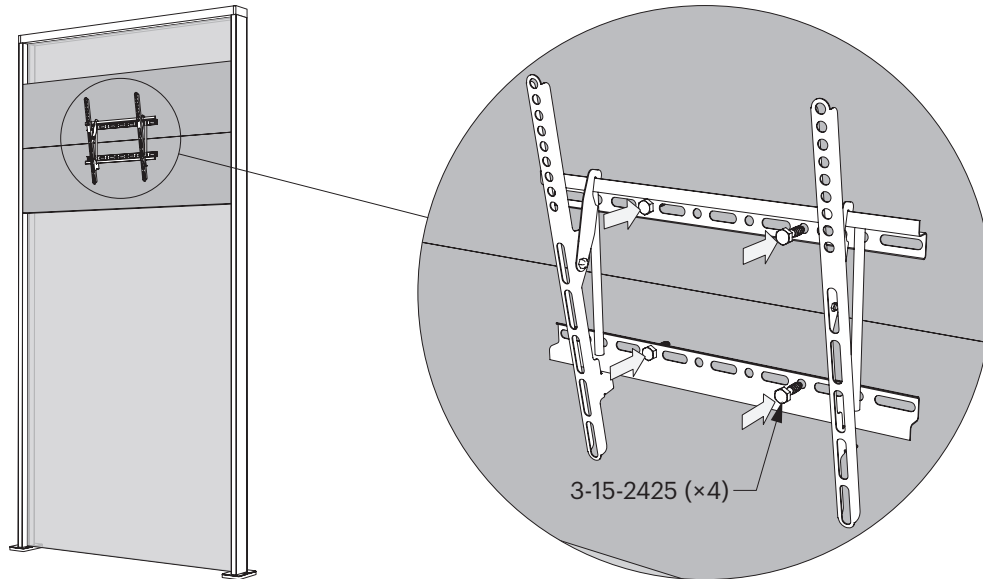
End caps typically come with VHB Tape pre-applied. On powder coated hardware or as applicable use the supplied pre-cut VHB Tape (3-15-2451) to install the right and left end caps (3-15-2441 and 3-15-2442).



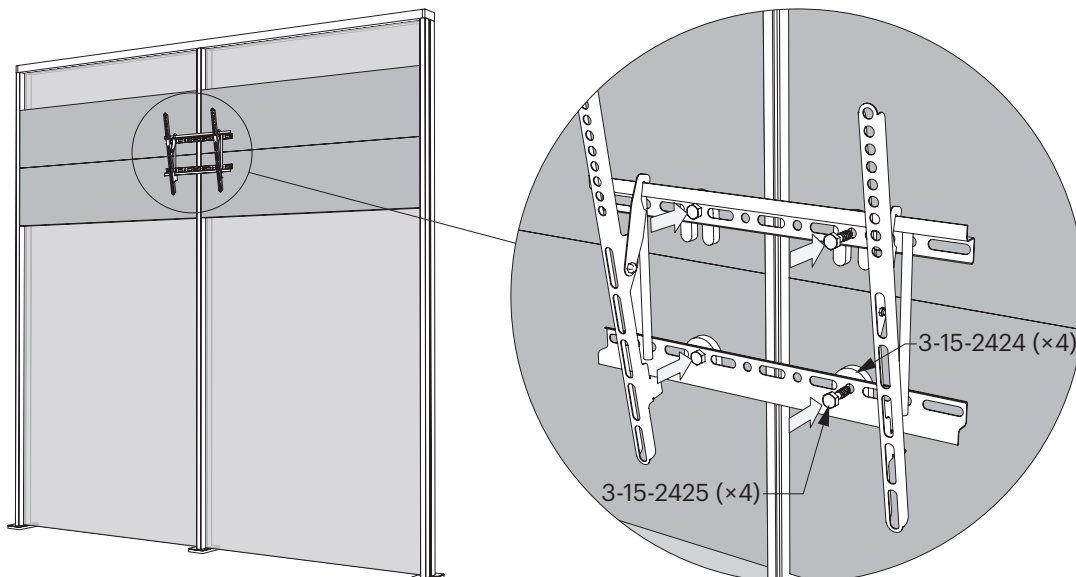
Installation-Accessory: TV Mount

1 Attach TV Mount

- a** Use (×4) TV Universal Mount Attachment Screws (3-15-2425) to attach TV Mount (not included) to Hush Mount in between Ituo Posts.



- b** Use Ituo Hush Mount Attachment Kit for TV Bracket (3-15-2425-K) to attach TV Mount (not included) to two Hush Mounts over an Ituo Post. Kit includes (×4) 3/8" Horseshoe Shims (3-15-2424) and (×4) TV Universal Mount Attachment Screws (3-15-2425).

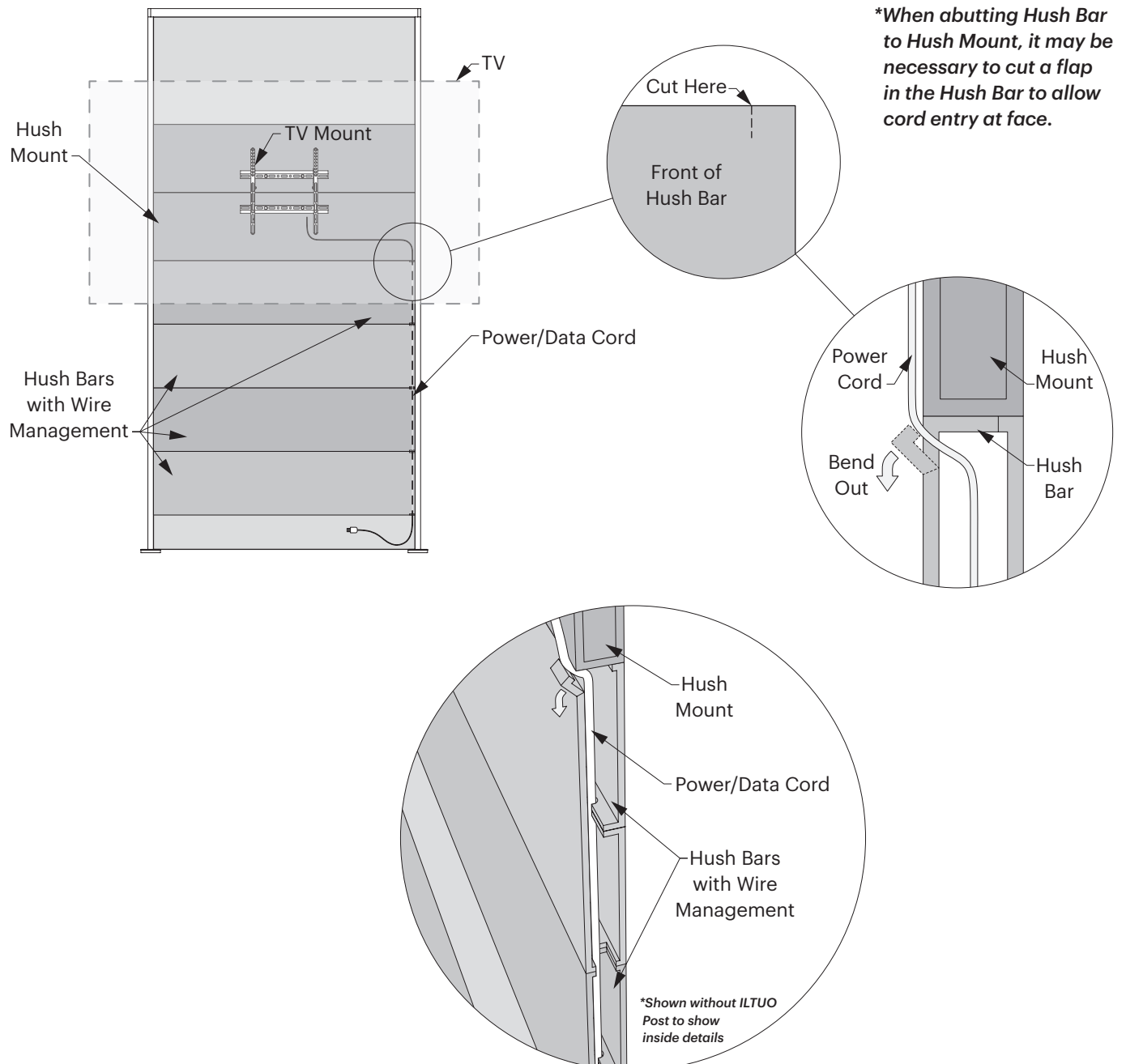


Installation-Accessory: TV Mount

2 Route Power and Data Cords through Hush Bars

The TV power and data cords can be routed to the floor or ceiling through Hush Bars with Wire Management. Hush Bars can be flipped 180° so cords can travel up/down right or left post.

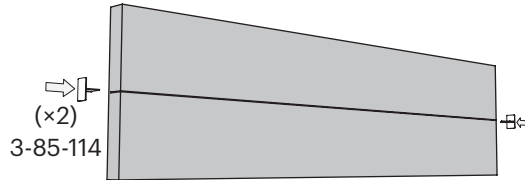
Install Hush Bars in desired orientation and location following the Hush Bar Installation steps on page 99.



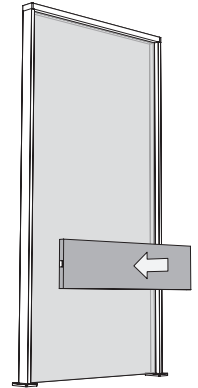
Installation-Accessory: Hush Bar

1 Determine and Mark Desired Position for Hush Bar

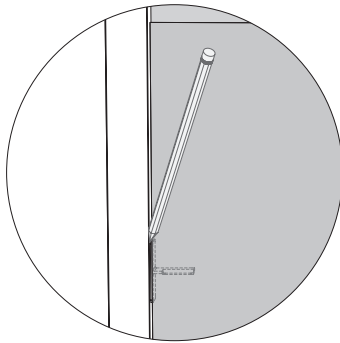
- a** Place the 2 Clips into the groove in Hush Bar.



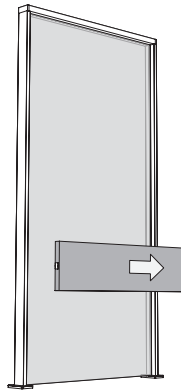
- b** Line up the Hush Bar in the location in the Ittuo structure where you want to place it.



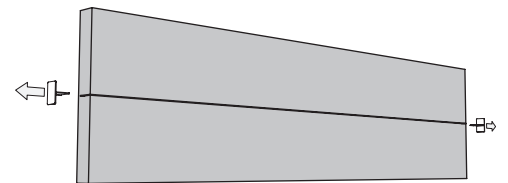
- c** Mark location of the top edge of the clip.



- d** Remove the Hush Bar.

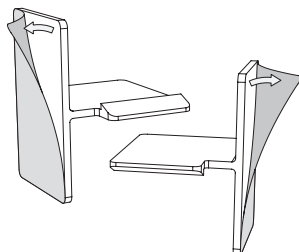


- e** Remove both clips from Hush Bar.

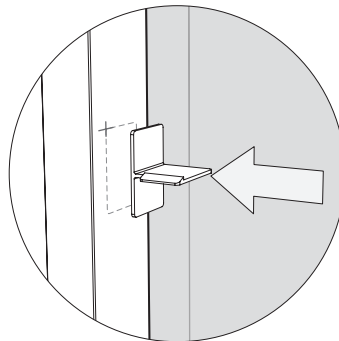


2 Attach Hush Bar

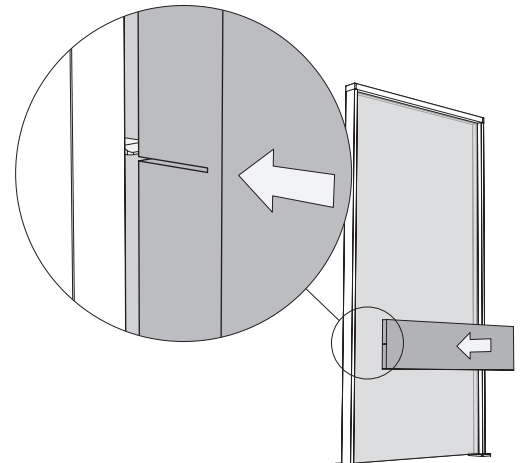
- a** Remove the paper liner from the back of the Clips.



- b** Fasten clips to inside faces of the Vertical Posts as previously marked.



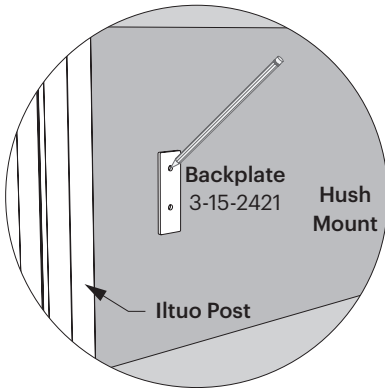
- c** Push Hush Bars onto adhesived clips.



Installation-Accessory: Coat Hook

1 Install Coat Hook on Hush Mount

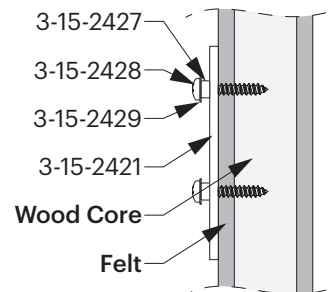
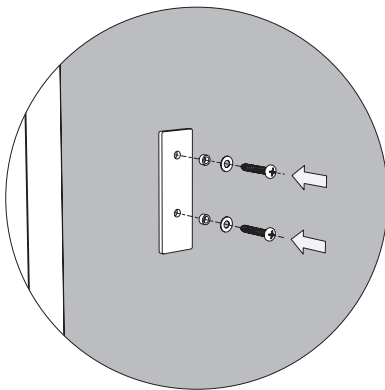
- a** Using backplate (3-15-2421) as template, mark hole location.



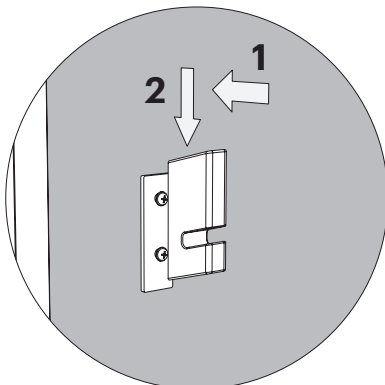
- b** Pre-drill Hush Mount for a #8 screw.



- c** Install backplate (3-15-2421) so bushing sits flush.



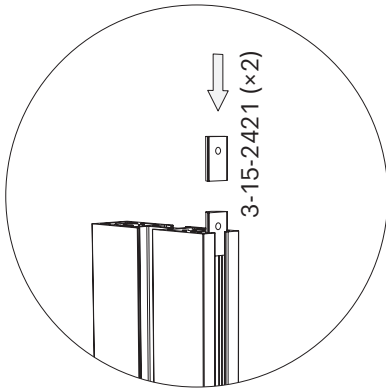
- d** Install Coat Hook (3-15-2422). Use a rubber mallet to tap hook into place.



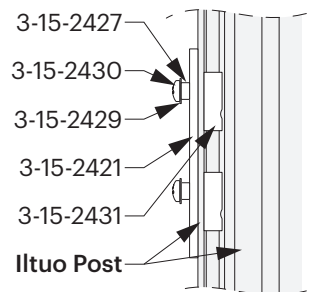
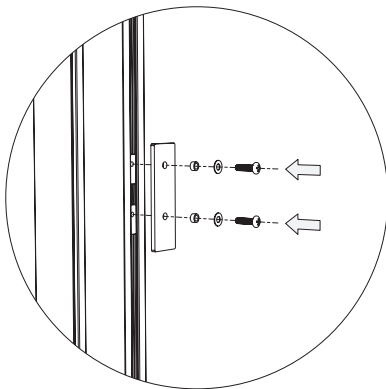
Installation-Accessory: Coat Hook

2 Install Coat Hook on T-slot

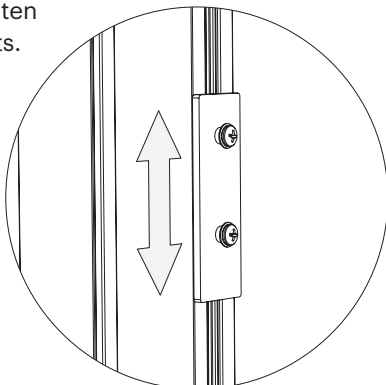
- a** Insert (×2) T-nuts (3-15-2431) into T-slot on Ittuo Post.



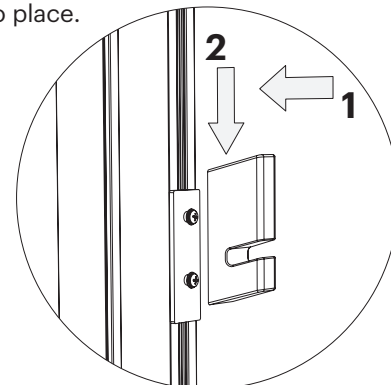
- b** Install backplate (3-15-2421). *Don't fully tighten.*



- c** Set height of hook by sliding assembly vertically in the post. Tighten down bolts.



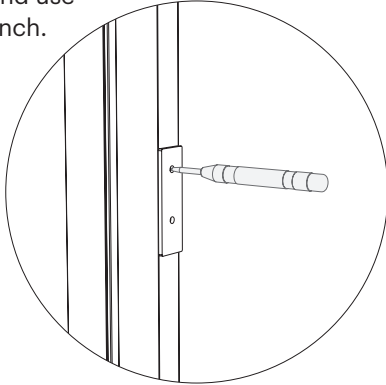
- d** Install Coat Hook (3-15-2422). Use a rubber mallet to tap hook into place.



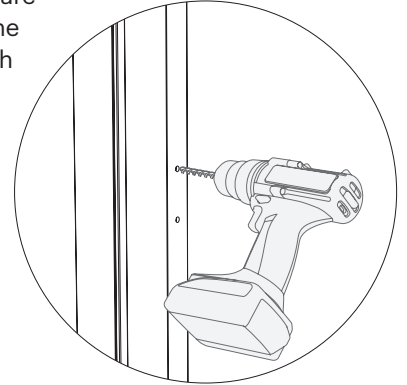
Installation-Accessory: Coat Hook

3 Install Coat Hook on Post

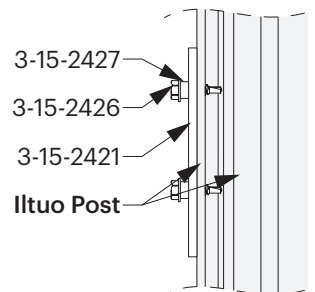
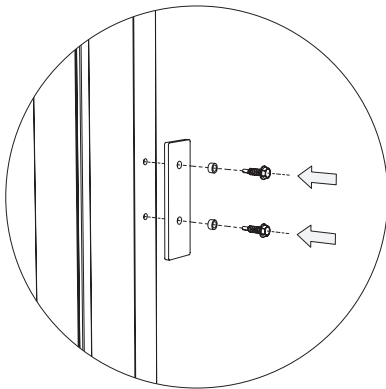
- a** Using backplate (3-15-2421) as template, mark hole location and use center punch.



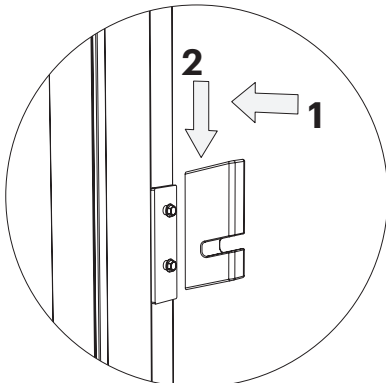
- b** Drill Pilot holes for self tapping screws (3-15-2426). Ensure hole locations are centered on post or the hook will not align with the post edges.



- c** Install backplate (3-15-2421).

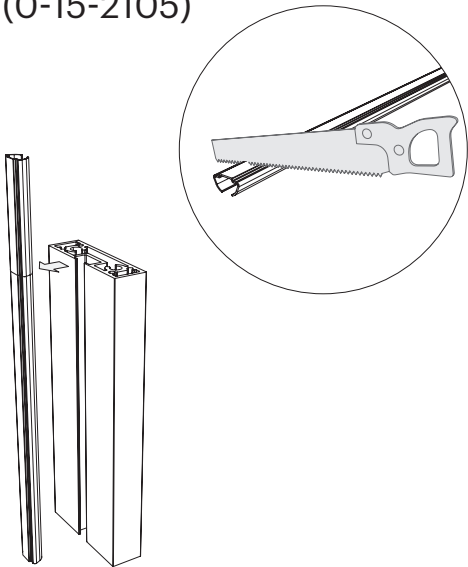


- d** Install Coat Hook (3-15-2422). Use a rubber mallet to tap hook into place.



Installation-Accessory: Glazing Slot Cover

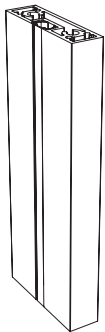
1 Cut Glazing Slot Cover
(O-15-2105)



2 Install Glazing Slot Cover
Slide Cover in from top or bottom of
the post.

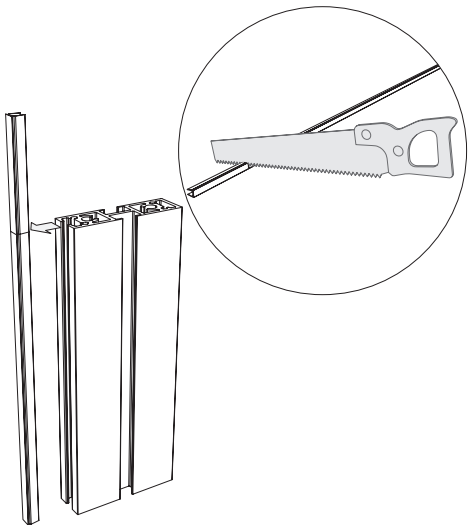


3

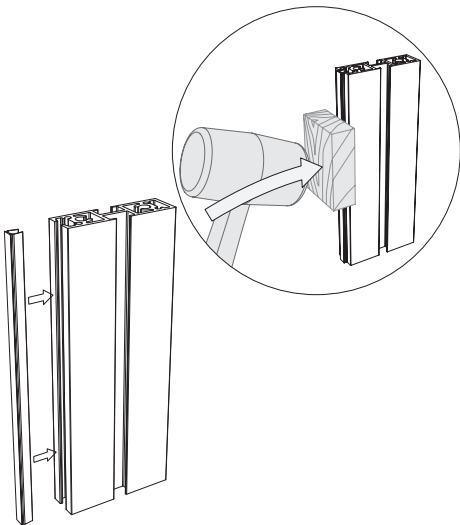


Installation-Accessory: Accessory T Slot Cover

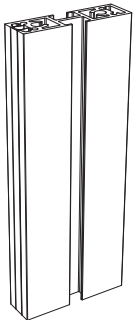
1 Cut T Slot Cover (3-15-1732)



2 Install Slot Cover



3



General Specifications

	Part Numbers	Material	Finish	Recommended Use	MSDS Information
Aluminum Extrusions	0-15-2009 0-15-2178 0-15-2103 0-15-2179 0-15-2104 0-15-2180 0-15-2105 0-15-2181 0-15-2106 0-15-2182 0-15-2109 0-15-2183 0-15-2127 0-15-2184 0-15-2176 0-15-2185 0-15-2177 0-60-800 Slide05 Door Extrusions	Aluminum 6063-T6	Clear (Satin) Anodize Architectural Type II; Class I Powdercoating Available	Interior Only	Recycled content min 70%; 56% Post Industrial 14% Post Consumer
Milled Aluminum	3-15-1111 3-15-2304 3-15-2110 3-15-2343 3-15-2114 3-15-2357 3-15-2115 3-15-2421 3-15-2117 3-15-2422 3-15-2120 3-60-811 3-15-2121 3-60-812 3-15-2122 3-60-827 3-15-2124 3-60-828 3-15-2126 3-60-834 3-15-2129 3-60-835	Aluminum 6061-T6 or 6063-T6	Clear (Satin) Anodize Architectural Type II; Class I Powdercoating Available (may not be feasible for all parts)	Interior Only	Recycled content typically between 25-35% Post Industrial 5% Post Consumer
Stamped Aluminum and Other Non-Visible Parts	3-15-2107 3-15-2332 3-15-2117 3-60-829 3-15-2118 3-60-830 3-15-2129 3-60-831 3-15-2170	Aluminum 6061, 6063 or 5052	Clear (Satin) Anodize Architectural Type II; Class I	Interior Only	N/A
Fasteners & Miscellaneous	-	Fasteners are Plated Mild Steel, 18-8 Stainless Steel or 304/305 Stainless Steel	Plain Finish	Interior Only	Recycled content typically approx 60% 35% Post Industrial 25% Post Consumer