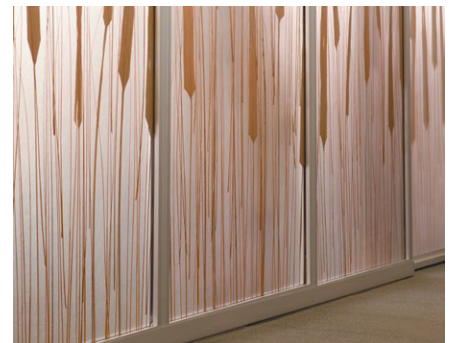




Designed and engineered to work with our award-winning material, 3form *Frame* is a light scale architectural partition system which allows customers to create simple wall structures and framed openings with custom panel configurations. With its ability to mount directly to the architecture from all sides, it gives you a full range of installation options.



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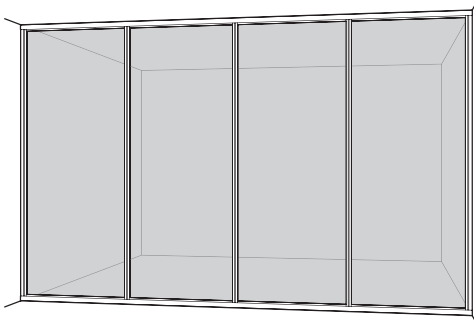
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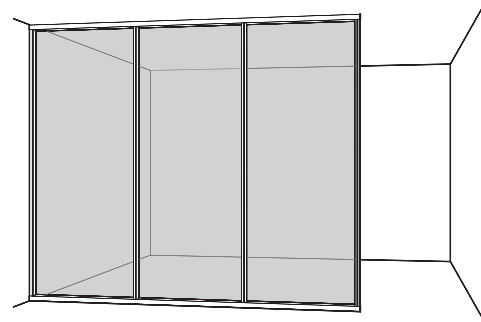
### Overview

3form *Frame* presents an elegant, easy-to-execute solution for fully framing 3form material, including Varia, Glass, Duo, and other materials in a simple, demountable partition installation or a fully-enclosed space like a window. This proprietary system has been engineered by 3form for the specific purpose of glazing in our unique materials that have their own inherent differences. 3form *Frame* emphasizes functionality and easy installation in the hardware while keeping all of the attention focused on the aesthetic beauty of the material it frames.

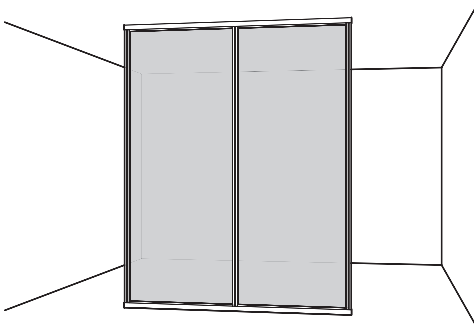
This document will present various capabilities of the system and show some standard types of installations.



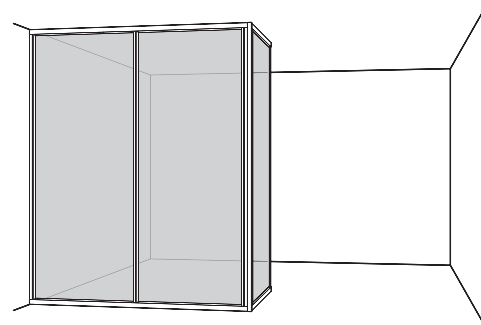
Wall to Wall



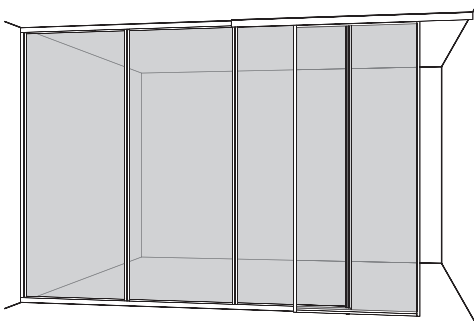
Wall to Exposed Edge



Exposed Edges



Corner



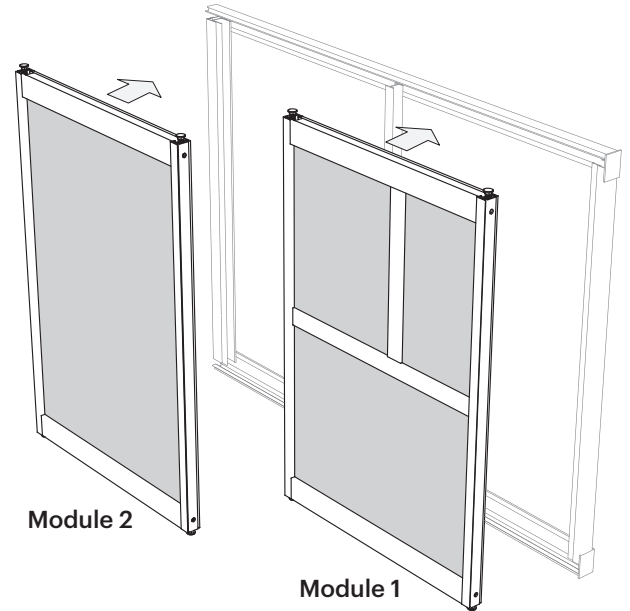
Slide Integration

### Specification

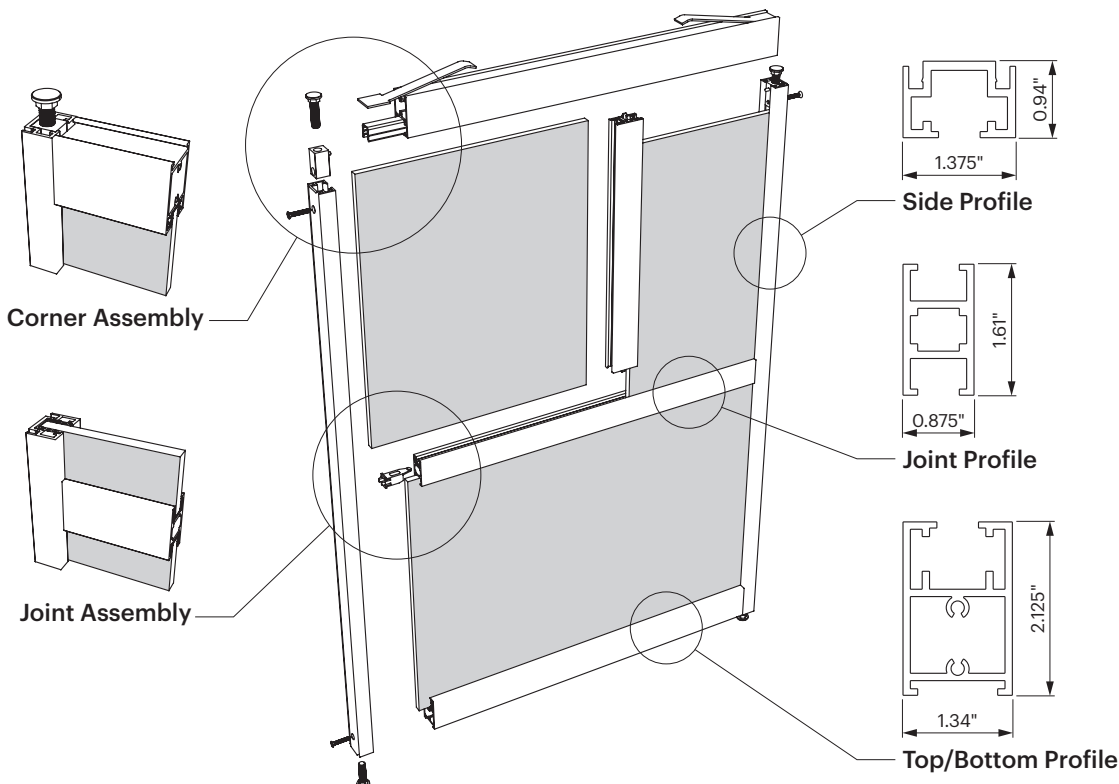
The use of independent, modular frames that mount simply into a top and bottom track and are then covered with a valance vastly simplifies the installation of the entire system.

This capability allows you to assemble each Frame around the panel and mount them all onto the tracks.

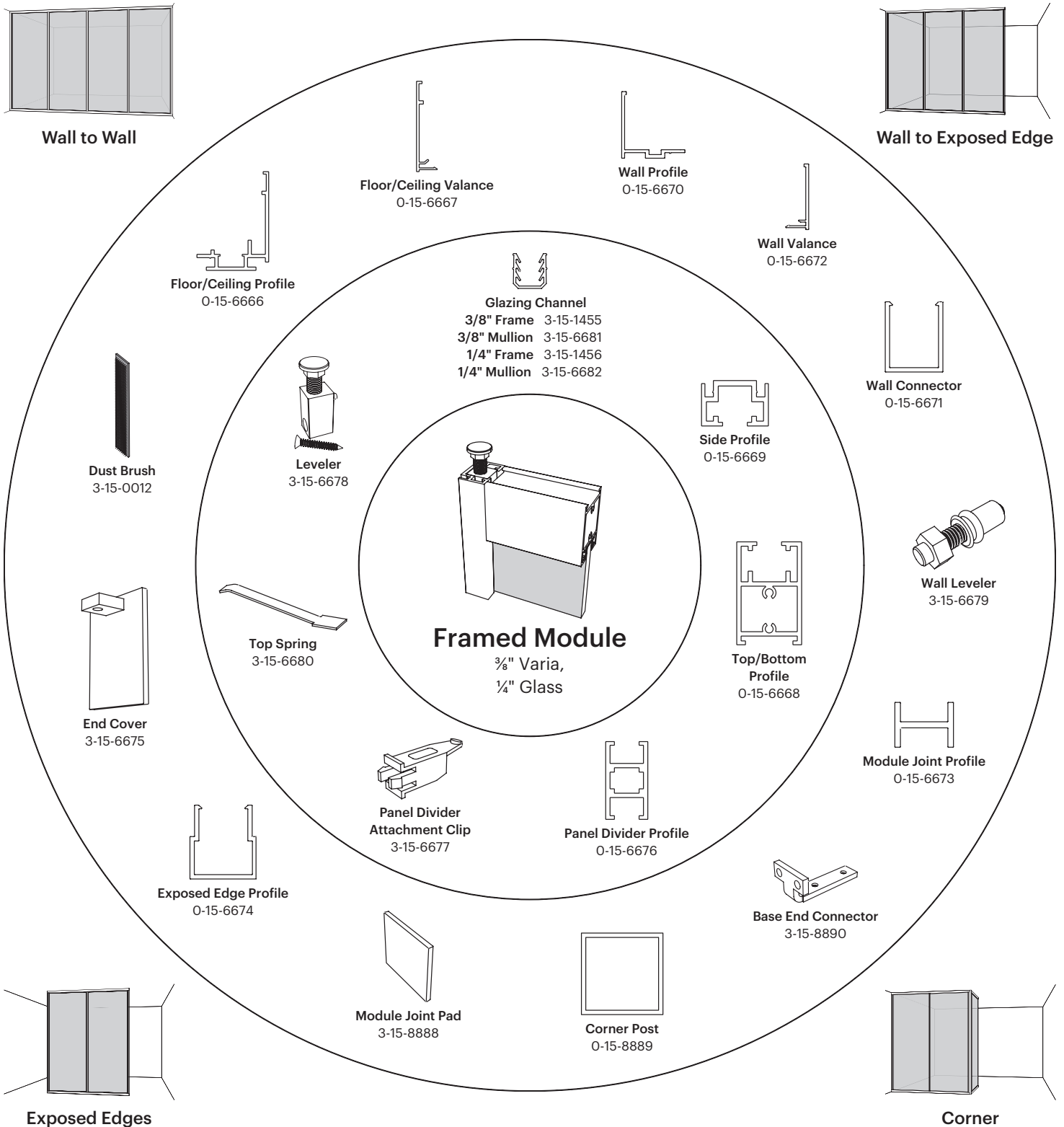
Once they are all in place you are able to level all of the panels and ensure the entire installation is cohesive and perfect for the space, and then secure the frames into the tracks and against the walls.



The versatile Panel Divider and Attachment Clips allow any number of horizontal or vertical mullions within a single framed module.



## Parts Overview



## Technical Information

The following considerations should be taken into account when determining the appropriateness of 3form *Frame* for your installation.

*Maximum Height = 10', with unlimited length*

*Maximum Module Width = 60"*

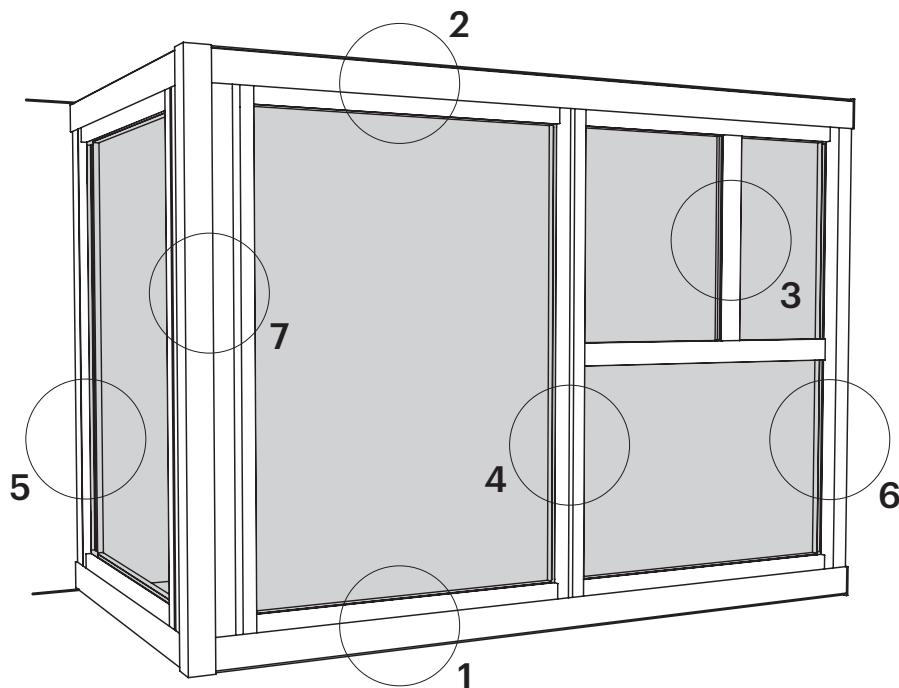
*The panel divider, or mullion, can run the full width or height of a module.*

*If you have an environment where the frame will not be attached at the top, the maximum span is 60"*

## Summary

### All Conditions

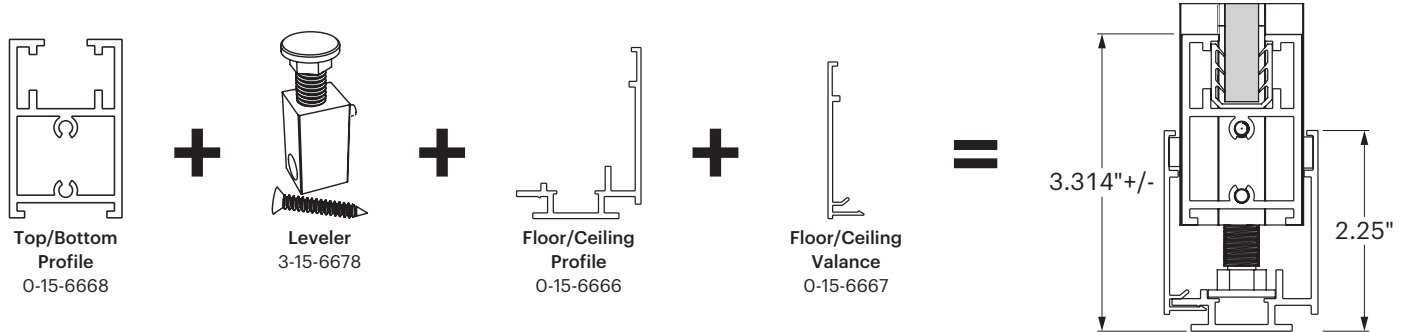
Below is a detail of all the conditions, including dimensions, for each type of Frame element you may want to execute. These conditions show the individual parts, how those parts are combined in an installation, and what the dimensions are of the final assembly.



## Summary

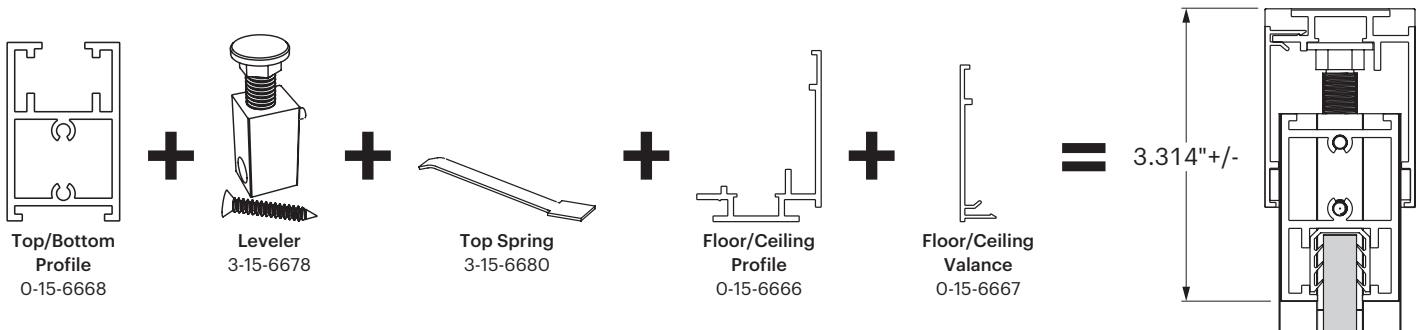
### Condition 1: Bottom/Floor

Attach the Floor/Ceiling Profile to the floor with appropriate screws and anchors for the substrate. This profile will not come pre-drilled, as it is best to drill based on the substrate, wood blocking, etc. The leveler attaches to the Top/Bottom Profile inside the Side Profile. This leveler rests inside the Floor/Ceiling Profile and will level the frames at the end of installation. This leveler allows +/- 1/2" of adjustability to accommodate 1" of floor variance. If the floor variance is greater than 1", frames of slightly different sizes will need to be specified.



### Condition 2: Top/Ceiling

Attachment of the Floor/Ceiling Profile is the same as in the Bottom/Floor condition. However, the Top Spring snaps inside the top profile to hold the framed panel in place so you can level all the frames together. Once the entire installation is level, you secure the top leveler against the ceiling to lock it in place. After everything is leveled and locked, snap all valances onto the profiles to conceal the mechanics.

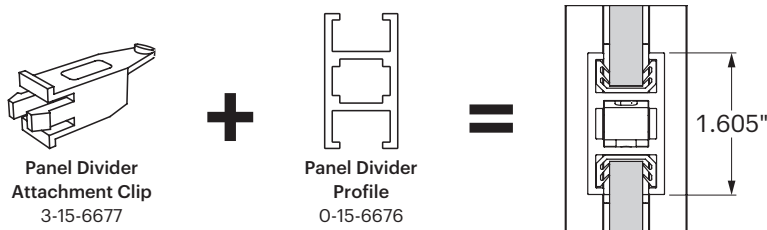




## Summary

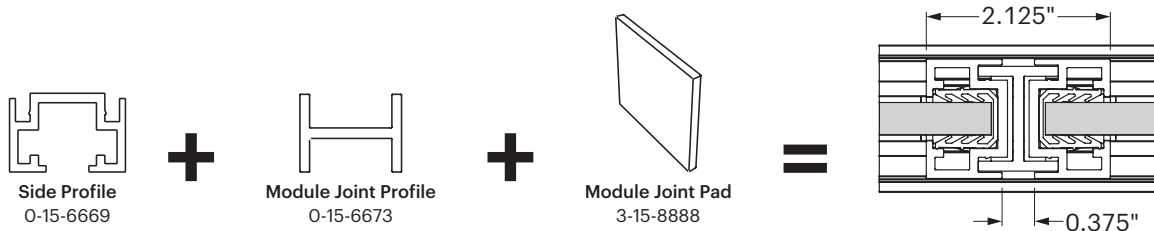
### Condition 3: Mullion

The Panel Divider Profile creates vertical or horizontal mullions. These attach into the Top/Bottom Profile, the Side Profile, or into itself, creating endless panel division options.



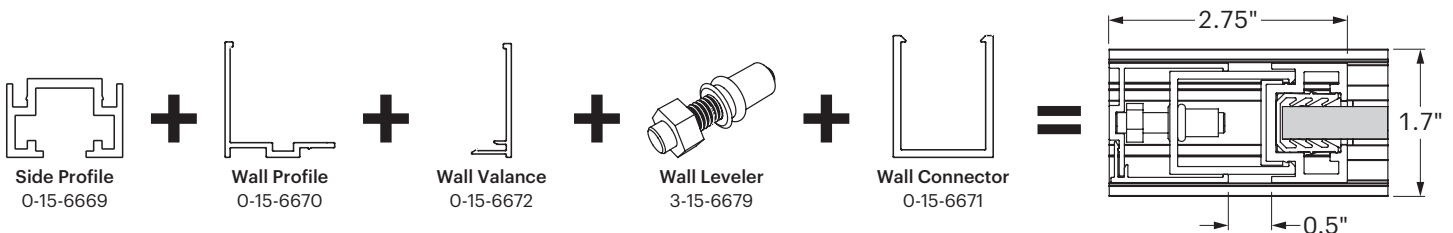
### Condition 4: Module Joints

The modules stack inside the Floor/Ceiling Profile with the levelers, which allow you to slide the panels easily around before locking them in place. The H-shaped Joint Profile attaches in between the modules with a Module Joint Pad every 24" against each module. This will prevent rattling and ensure a snug fit of all the panels. The glazing channels will create a very tight fit against the panel, and in some instances the Side Profile may actually bow inward toward the panel. To ensure a consistent reveal between modules, you may need to pull the side profile out from the panel slightly and confirm it is straight.



### Condition 5: Wall

The Wall Profile attaches to the wall in much the same way as the Floor/Ceiling Profile attachment, with the installer drilling the holes on-site and using screws and anchors appropriate for the substrate. Once all the frames are in place the Wall Leveler is placed between the outside modules and the wall with the Wall Connector clip, and then tightened to press all of the frames snugly together. It is then covered with a Wall Valance.

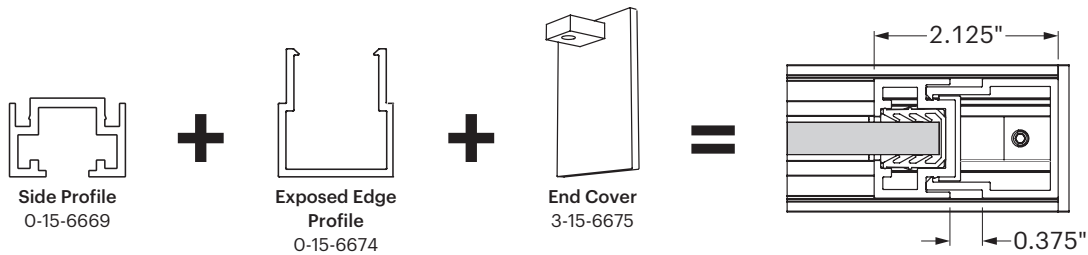




Summary

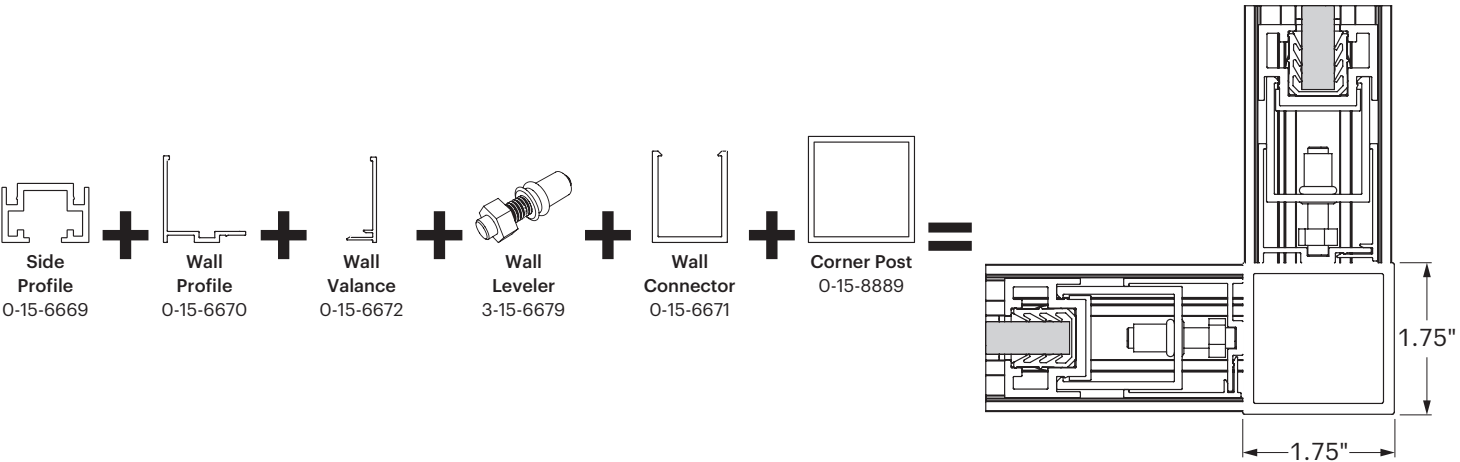
Condition 6: Exposed Edge

When an edge of the finished Frame doesn't meet a wall, an Exposed Edge Profile is used to finish the edge with an End Cover at the top and the bottom to conceal the attachments.



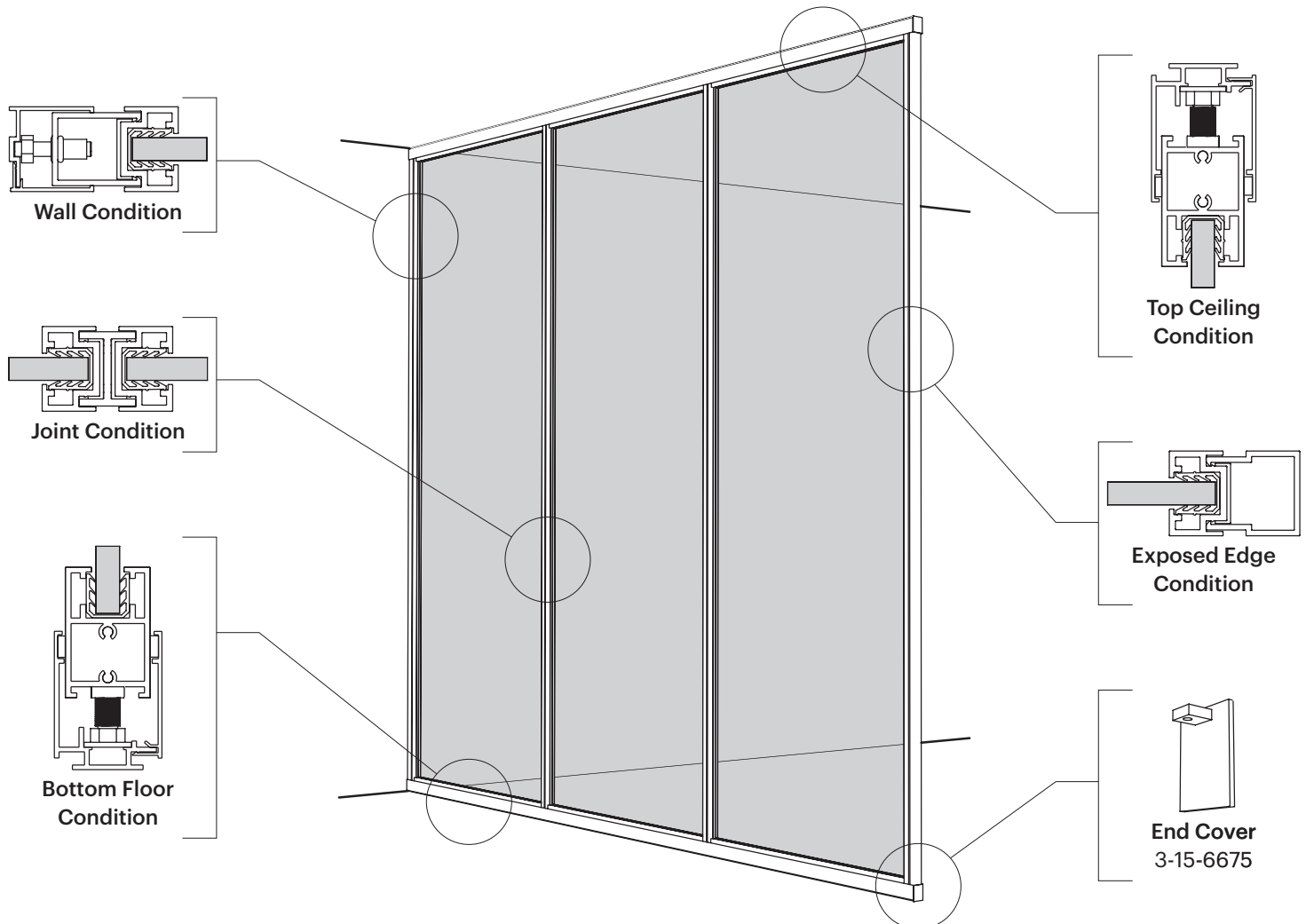
Condition 7: Corner

The Frame system can turn 90-degree corners through the use of a Corner Post. Use the Corner Post Attachment Brackets to Attach the post to the adjoining Wall Profiles. Then simply attach the Wall Profile to both sides of the Corner Post with self-drilling sheet metal screws, provided by the installer.



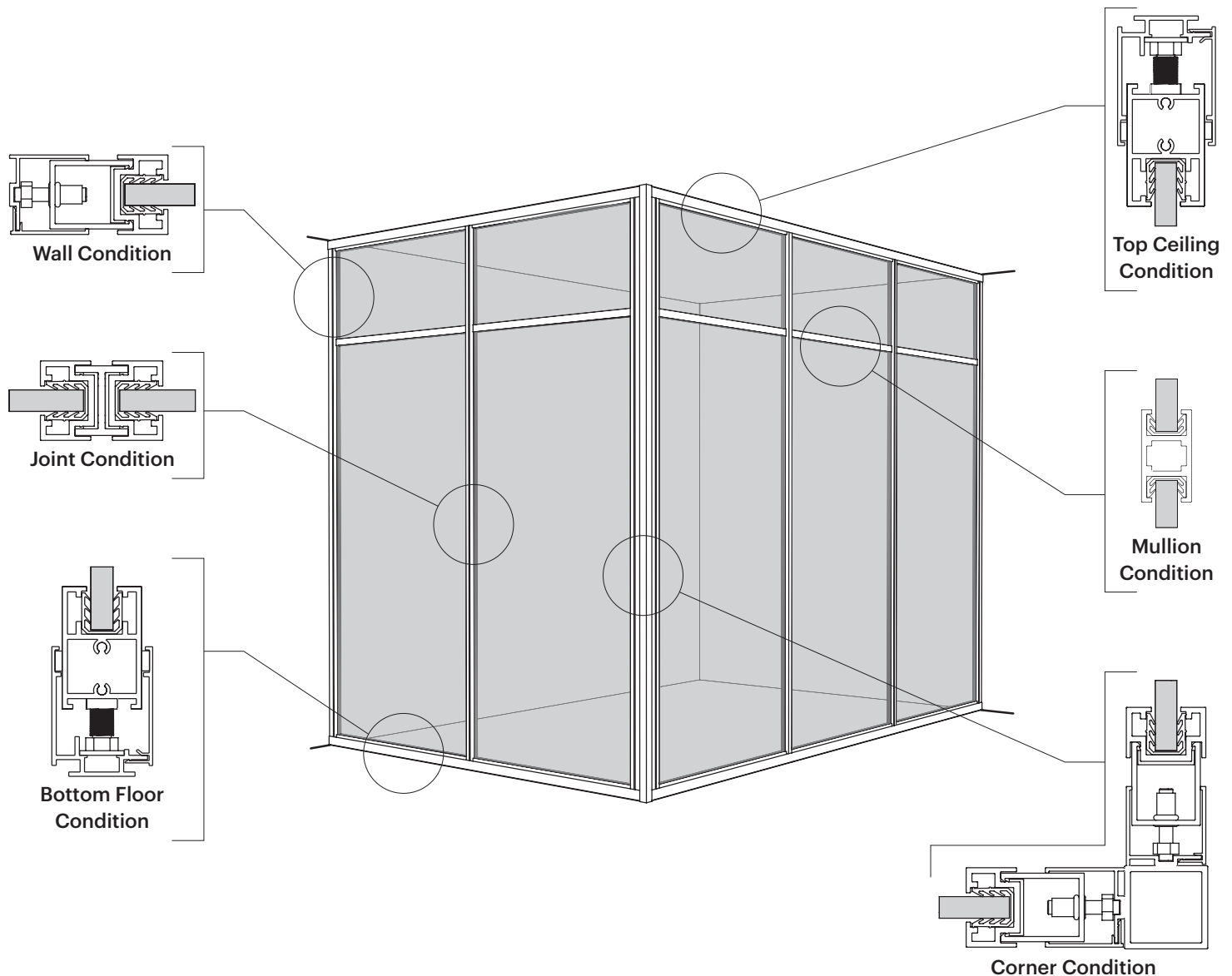
### Solution 1: Wall to Exposed Frame

In this installation, three (3) framed panel modules are combined to form a Frame installation that is attached to a wall at one end and exposed at the other end, with both a floor and ceiling attachment. The various assemblies are shown that complete this installation.



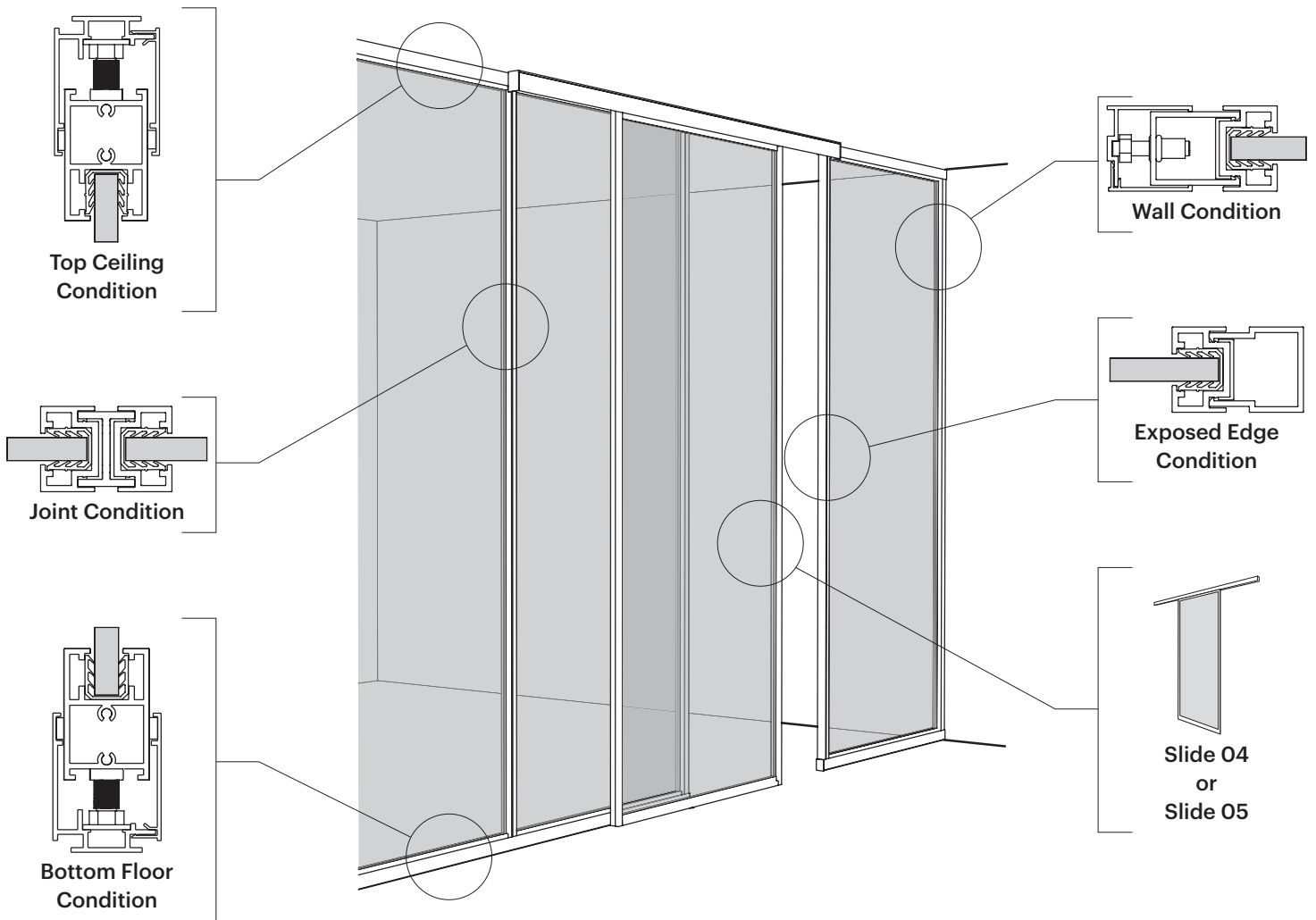
### Solution 2: Wall to Wall with 90° Corner

This installation utilizes a Corner Post to create a room that is sealed off with 10 different panel types in 5 different modules, each with a Panel Divider mullion.



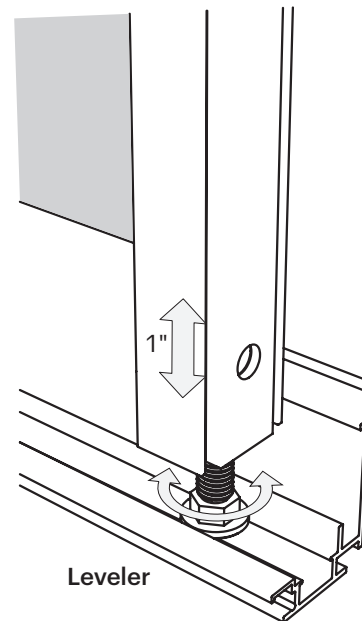
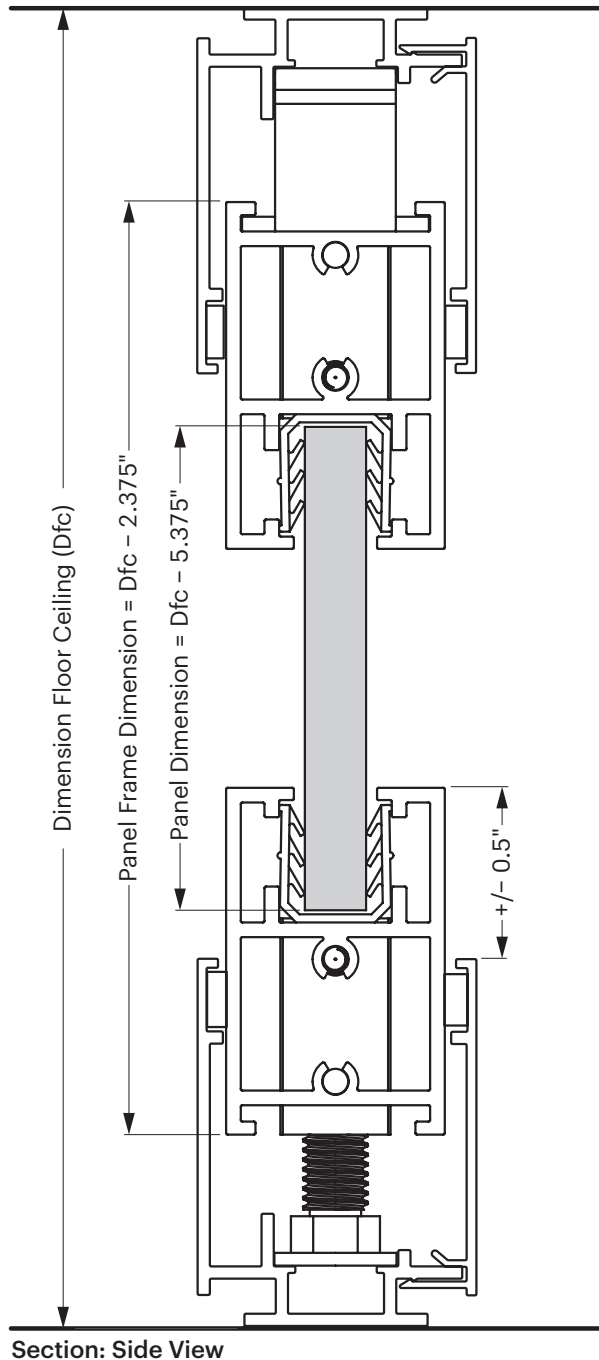
### Solution 3: Sliding Door Integration

3form Frame is compatible aesthetically and functionally with Slide04 and Slide05 from 3form. These are both framed door systems that can utilize rectangular-shaped aluminum profiles that look similar to Frame and have the same finish. Slide04 has a thin floor track and bears the weight on the floor, while Slide05 does not have a floor track and places the weight of the door on the ceiling. For more detail on these systems please see the 3form Slide04 and Slide05 Solution Documents.

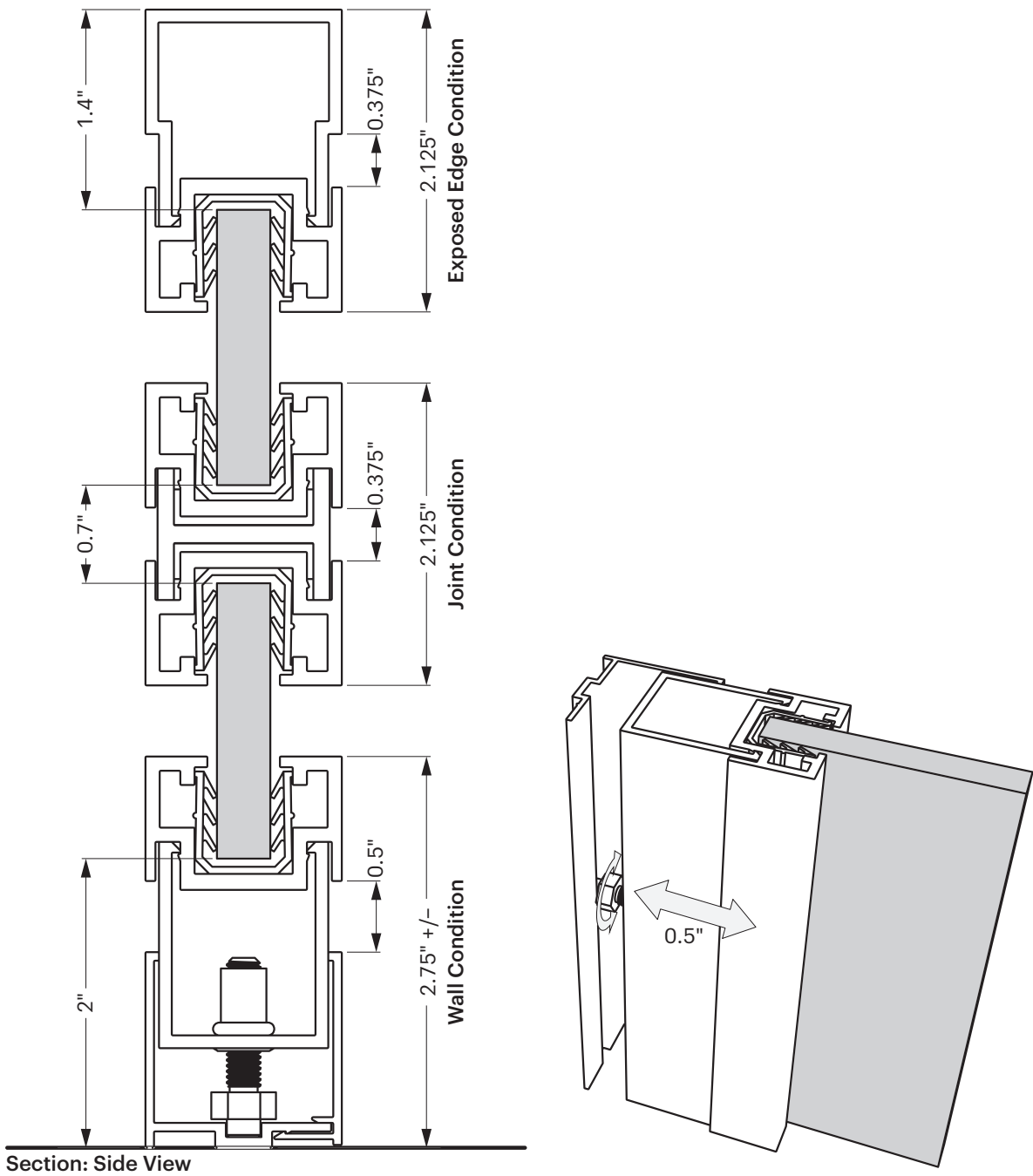


### Dimensions and Tolerances

One of the most critical elements to provide a high quality Frame system is accurate field dimensions. 3form will ask you for your floor-to-ceiling height. It is best to measure this at multiple points along the run where the Frame will be to ensure a single module size will be sufficient with the amount of variance in each module (+/- ½"). If the variance is greater than 1" total, you should order different size modules and panels, which will still line up while next to one another. Please see the deductions below for more detail.

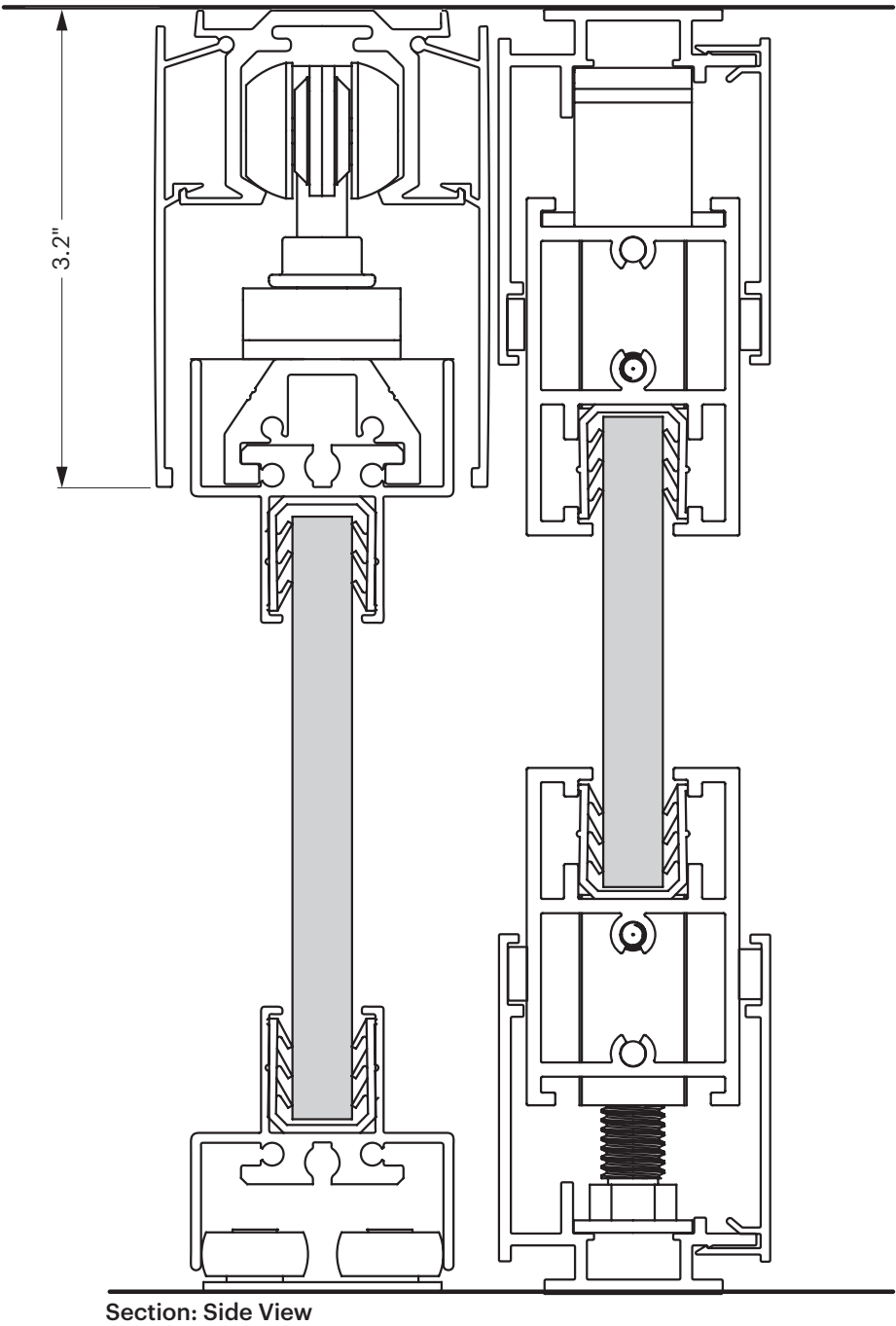


Dimensions and Tolerances



Dimensions and Tolerances

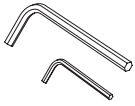
This dimension drawing shows how the Frame system integrates with the Slide systems. Please order the Slide system of your choice separately, but you will use the same floor-to-ceiling field dimensions when ordering.



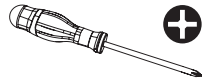


### Installation

#### Recommended Tools



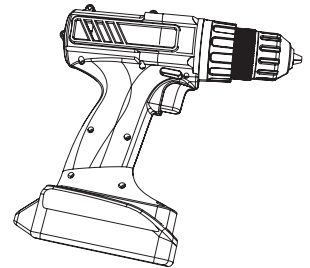
**Assorted Allen Keys**  
to attach end caps



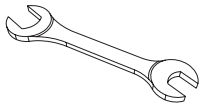
**Phillips Screwdriver**  
to assemble frame modules



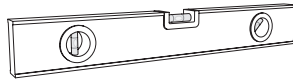
**Assorted Drill Bits and Drivers**  
to attach base main and wall profiles



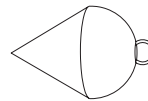
**Drill**



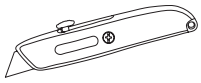
**12mm and 10mm Flat  
Open End Wrenches**  
for levelers and adjusters



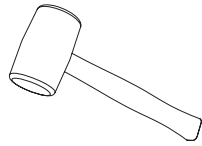
**Level**



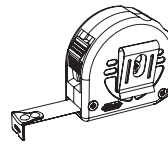
**Plumb Line**



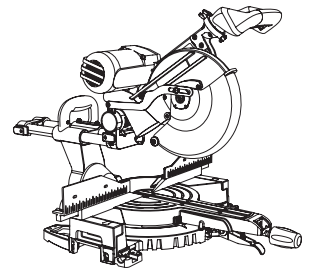
**Razor Knife or Snips**  
to cut glazing channels



**Rubber Mallet**



**Measuring Tape**

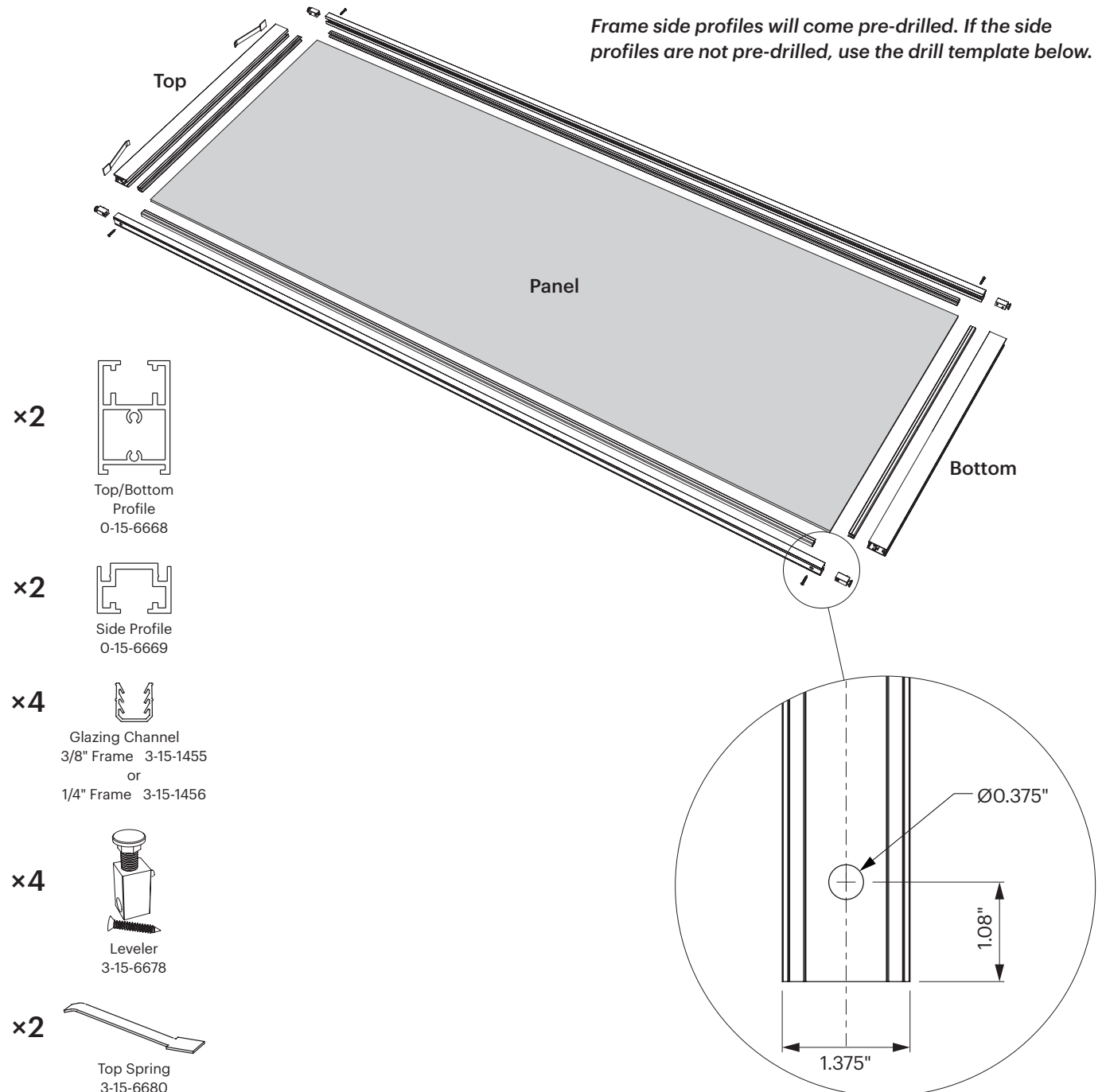


**Chop Saw**  
to cut aluminum base main  
and valence extrusions

## Installation: Frame Module Assembly

### 1 Lay out Module

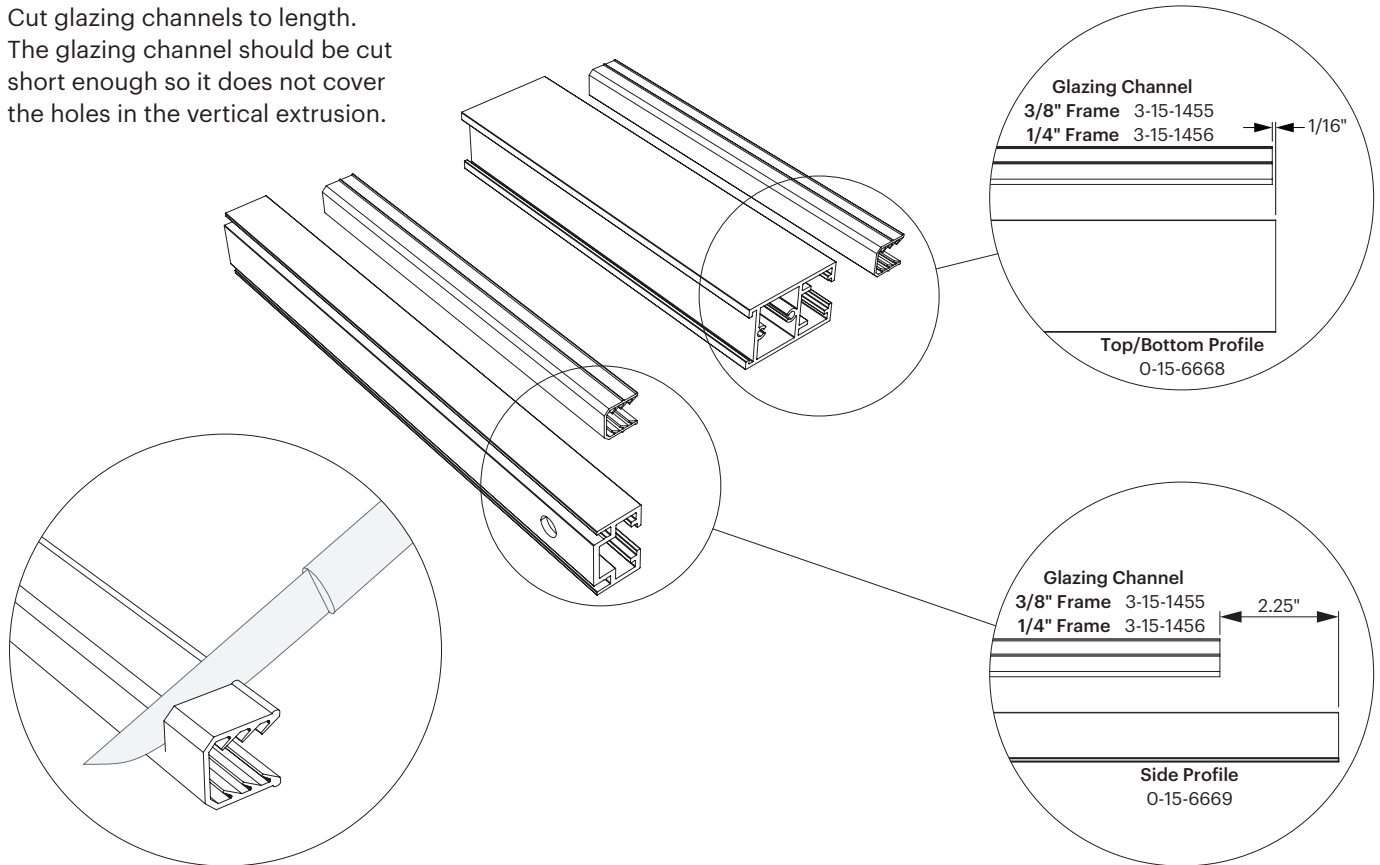
Lay out module around panel using four (4) corner leveler assemblies per module. The Leveler Screw will need to be unscrewed at least half way to assemble modules. Screw the top Leveler Screws all the way in after assembling.



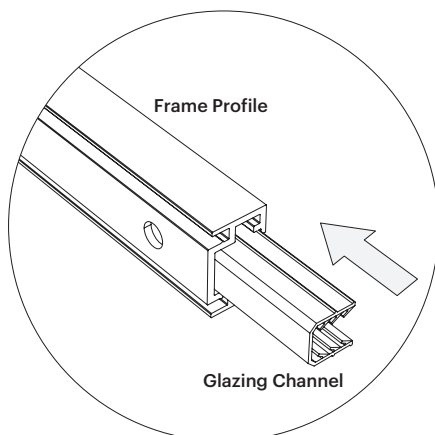
## Installation: Frame Module Assembly

### 2 Cut and Insert Glazing Channels

- a** Cut glazing channels to length.  
The glazing channel should be cut short enough so it does not cover the holes in the vertical extrusion.

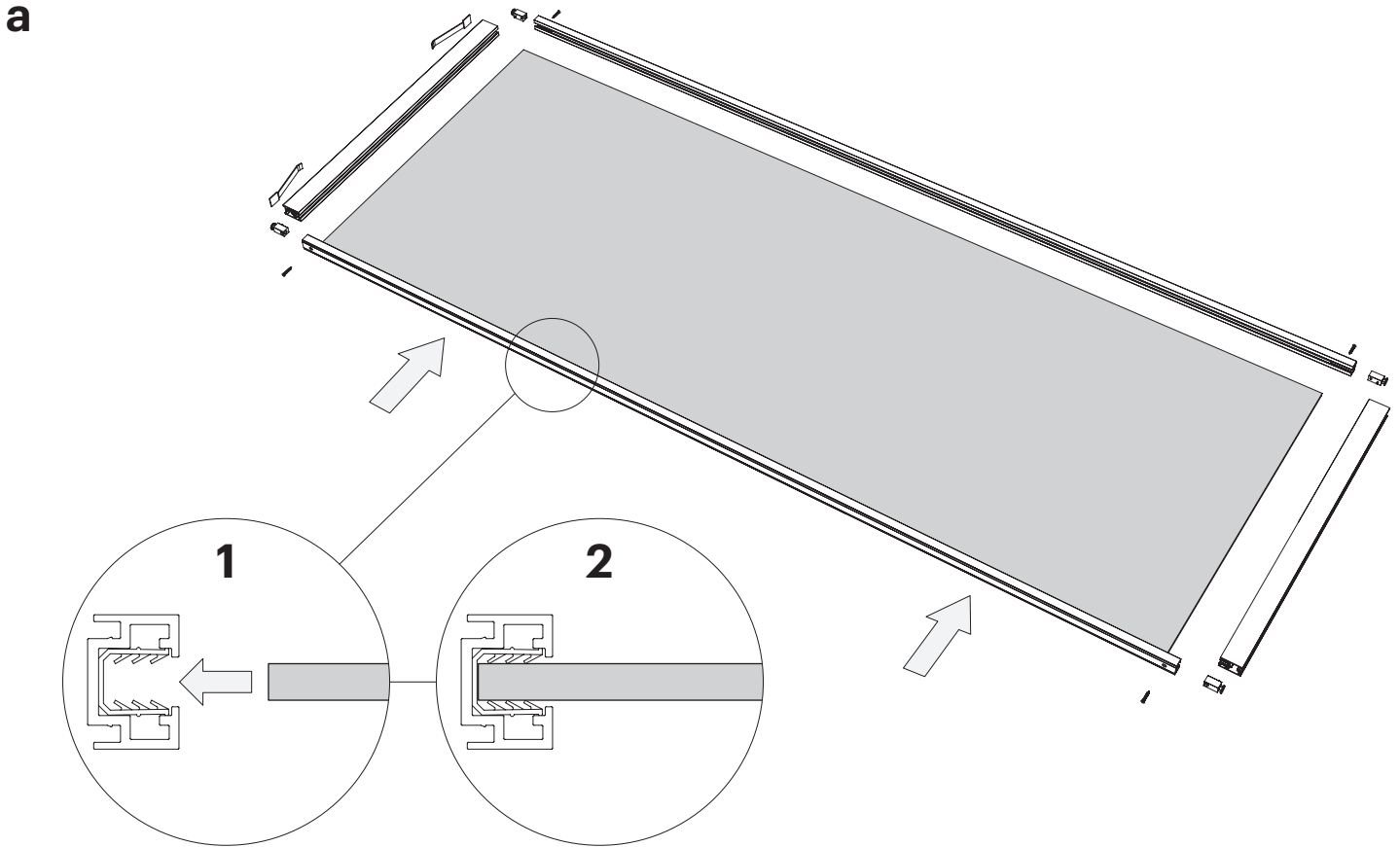


- b** Insert glazing channels into side and top/bottom profiles.

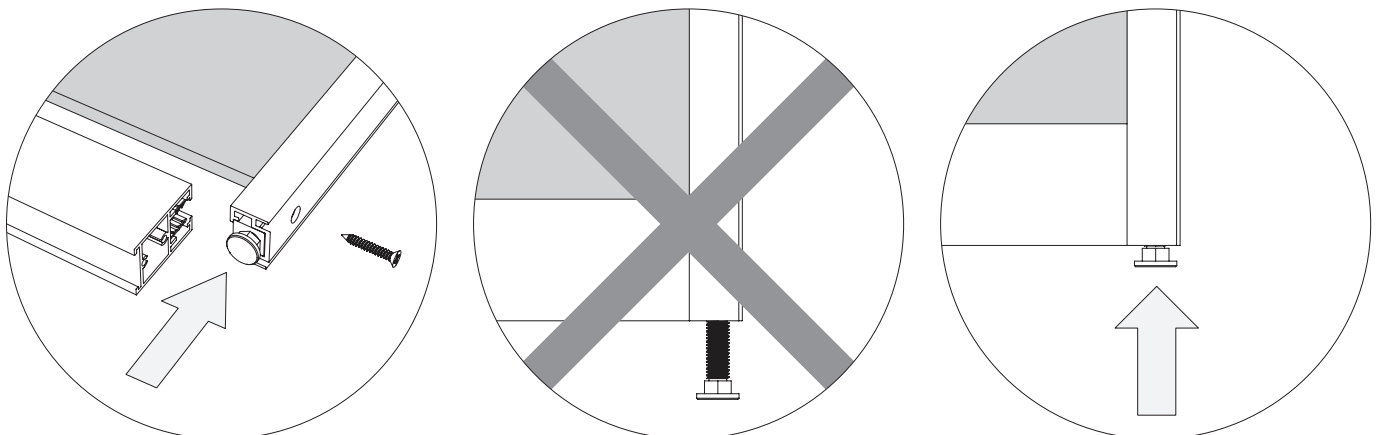


### Installation: Frame Module Assembly

#### 3 Attach First Side Profile

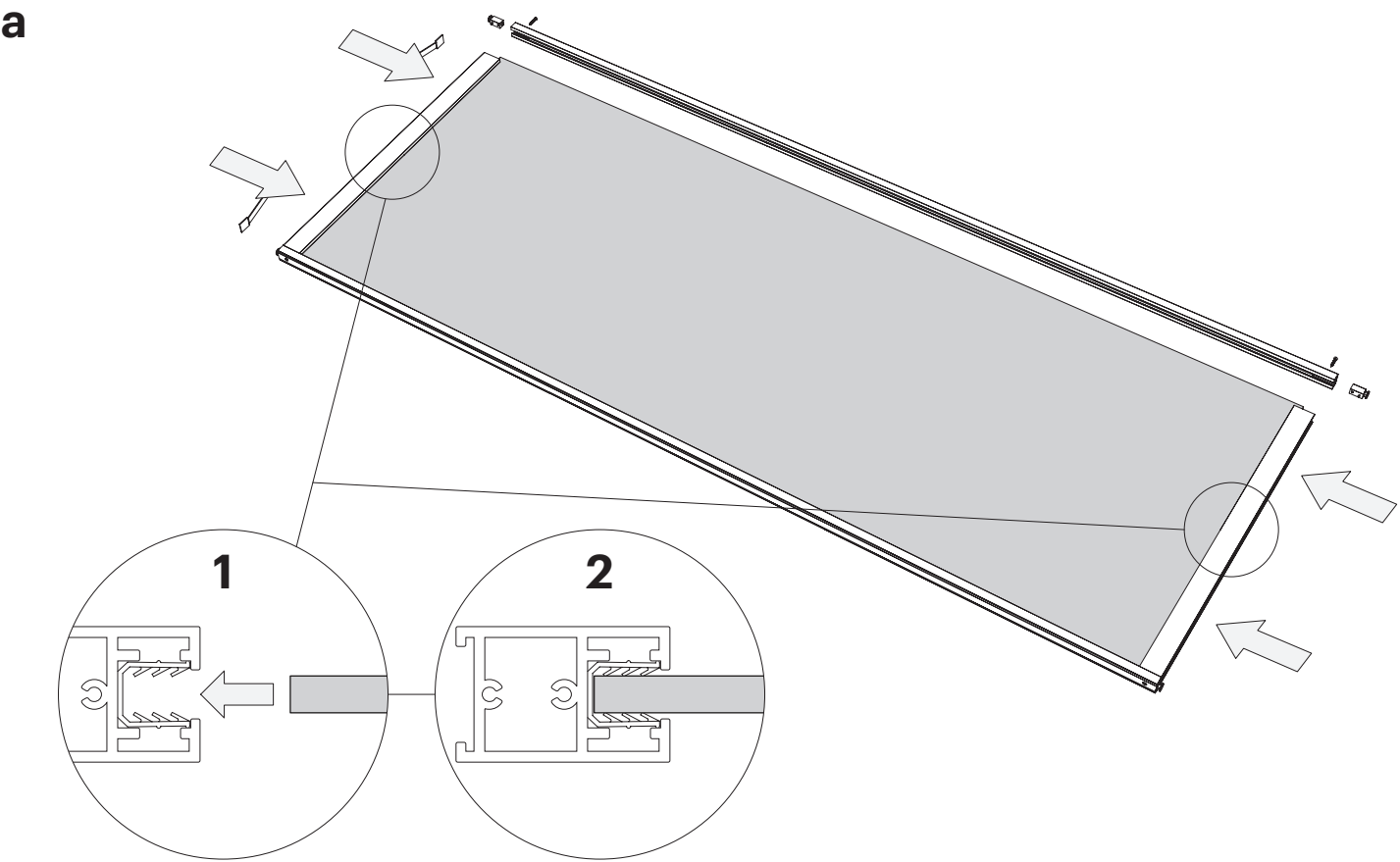


**b** Insert leveler into side profile. Screw top leveler screws all the way in after assembling.

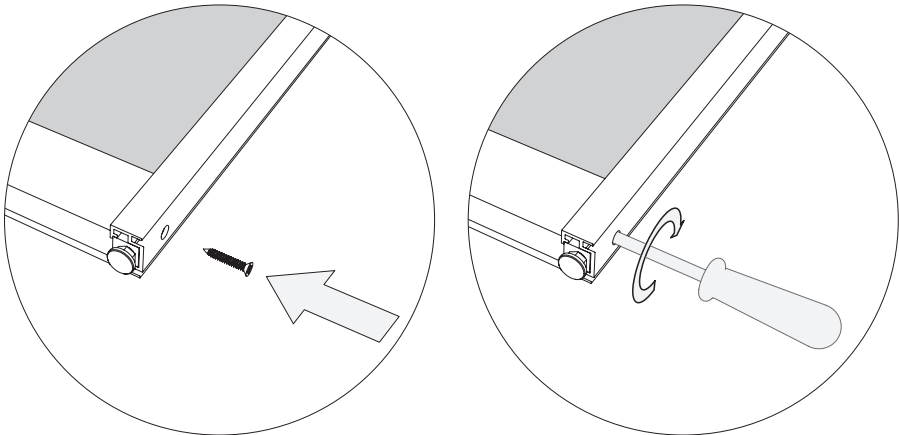


Installation: Frame Module Assembly

4 Attach Top/Bottom Profiles



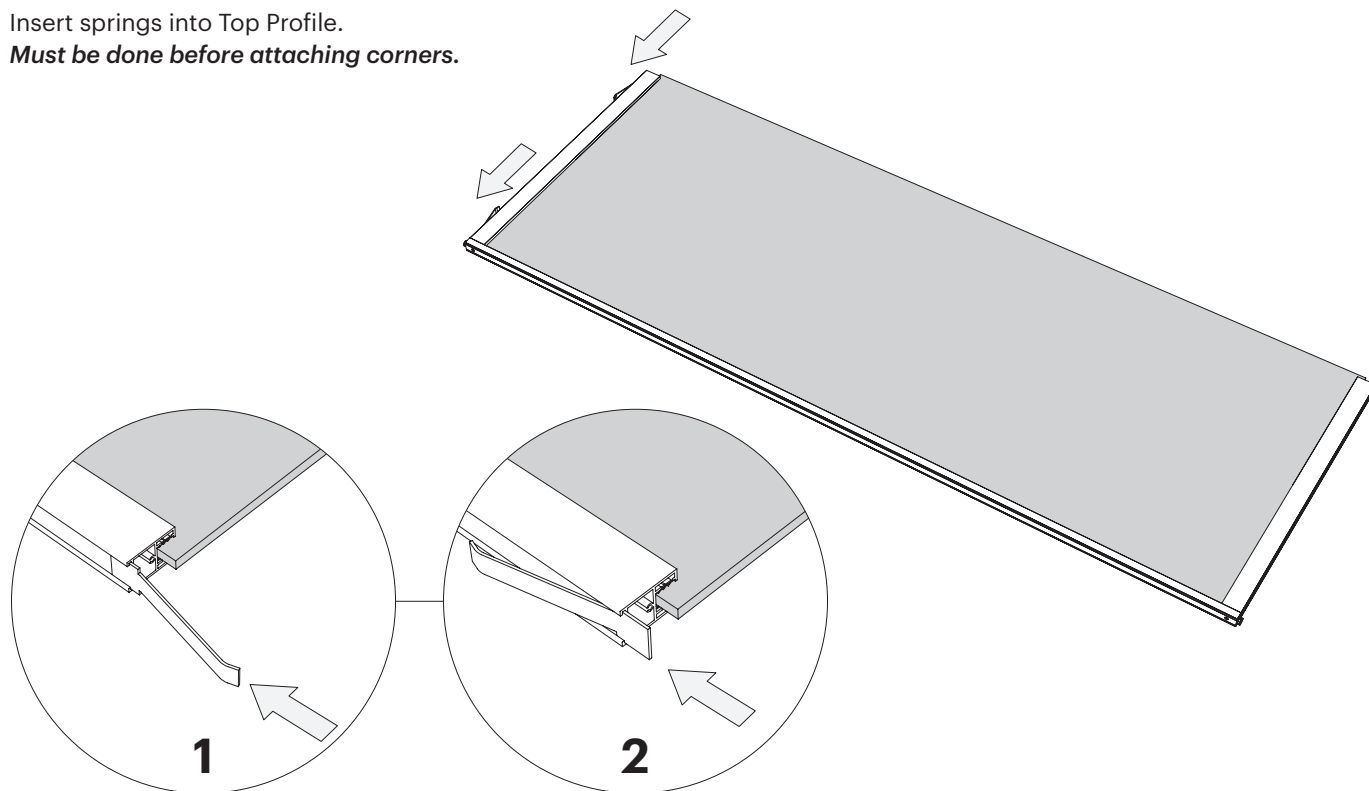
b Fasten the screw



## Installation: Frame Module Assembly

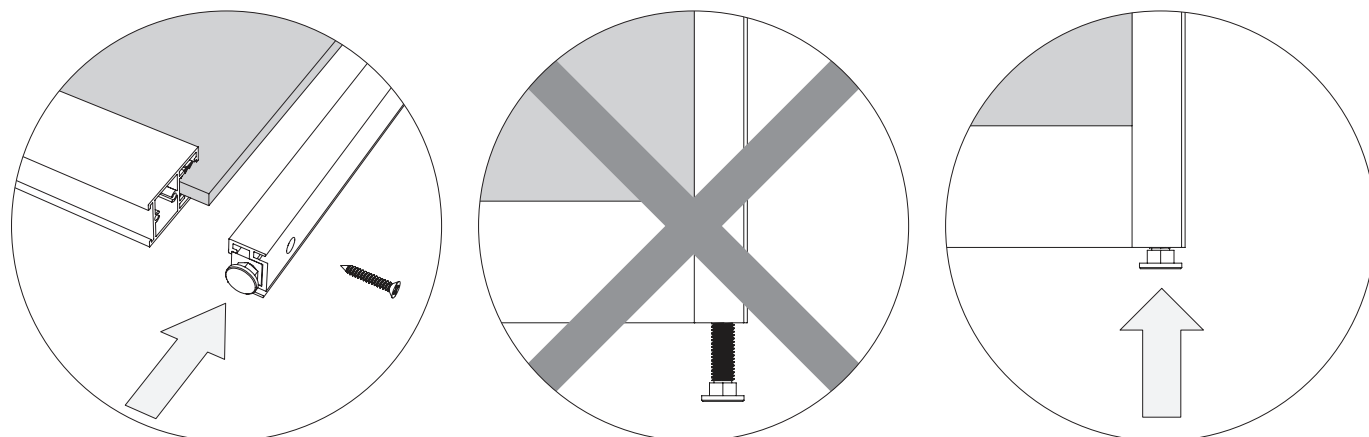
### 4 Attach Top/Bottom Profiles cont...

- C** Insert springs into Top Profile.  
*Must be done before attaching corners.*



### 5 Attach Second Side Profile

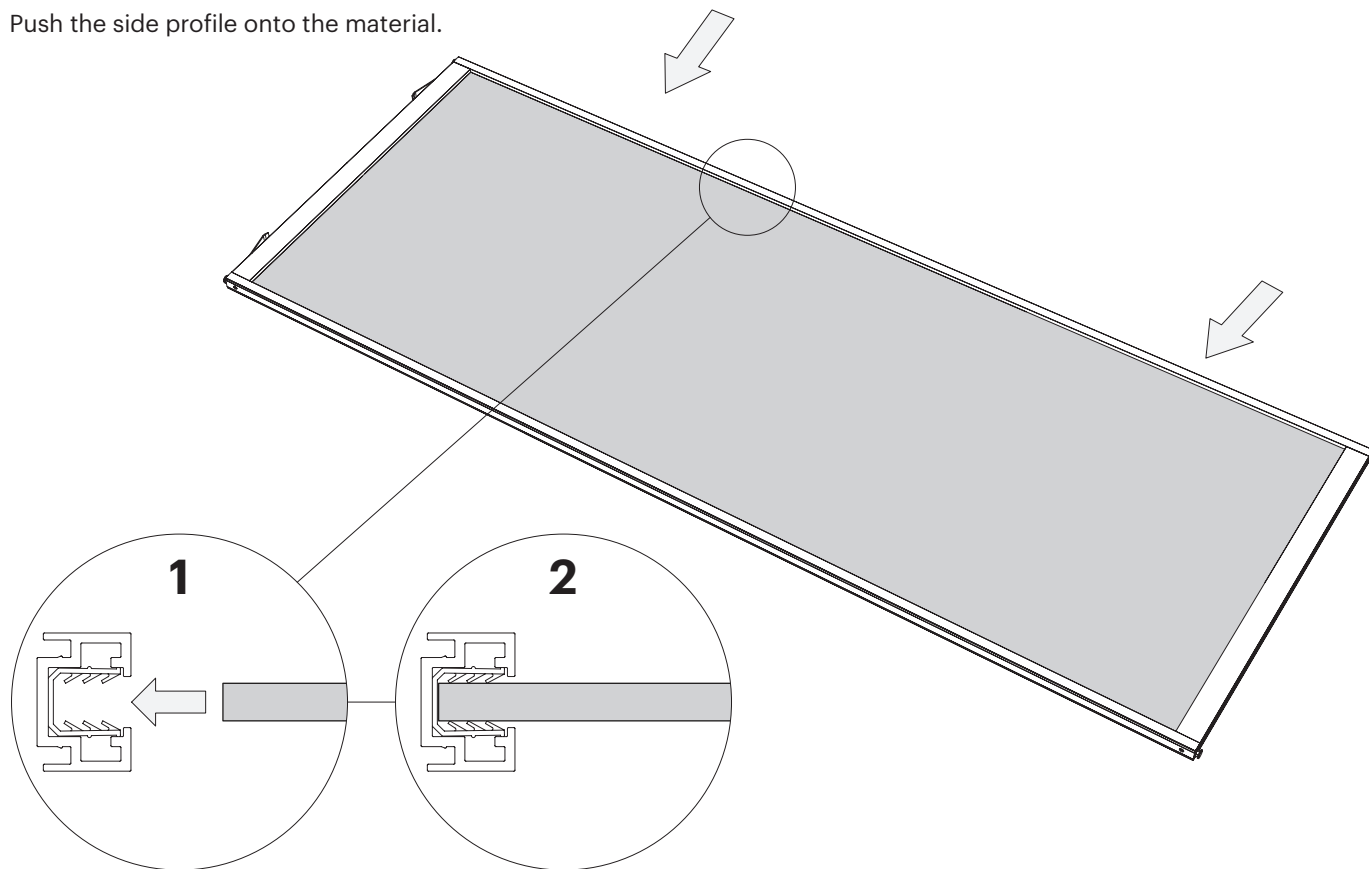
- a** Insert leveler into side profile. Screw top leveler screws all the way in after assembling.



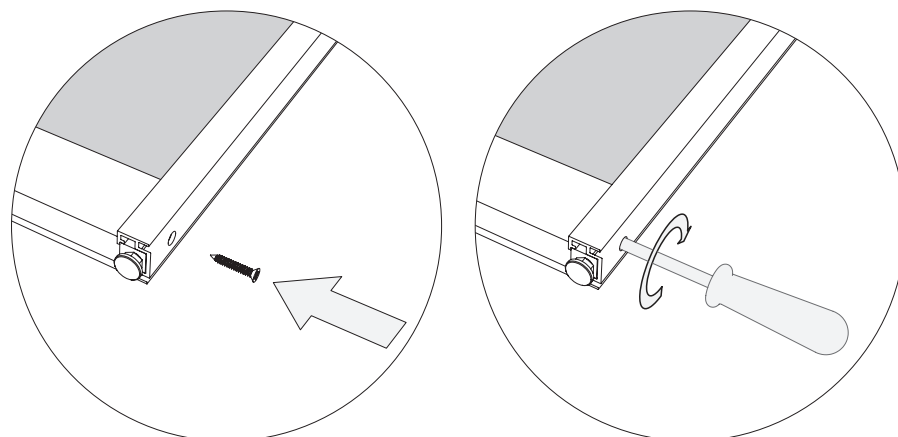
### Installation: Frame Module Assembly

#### 5 Attach Second Side Profile *cont...*

- b** Push the side profile onto the material.



- c** Fasten the screw.



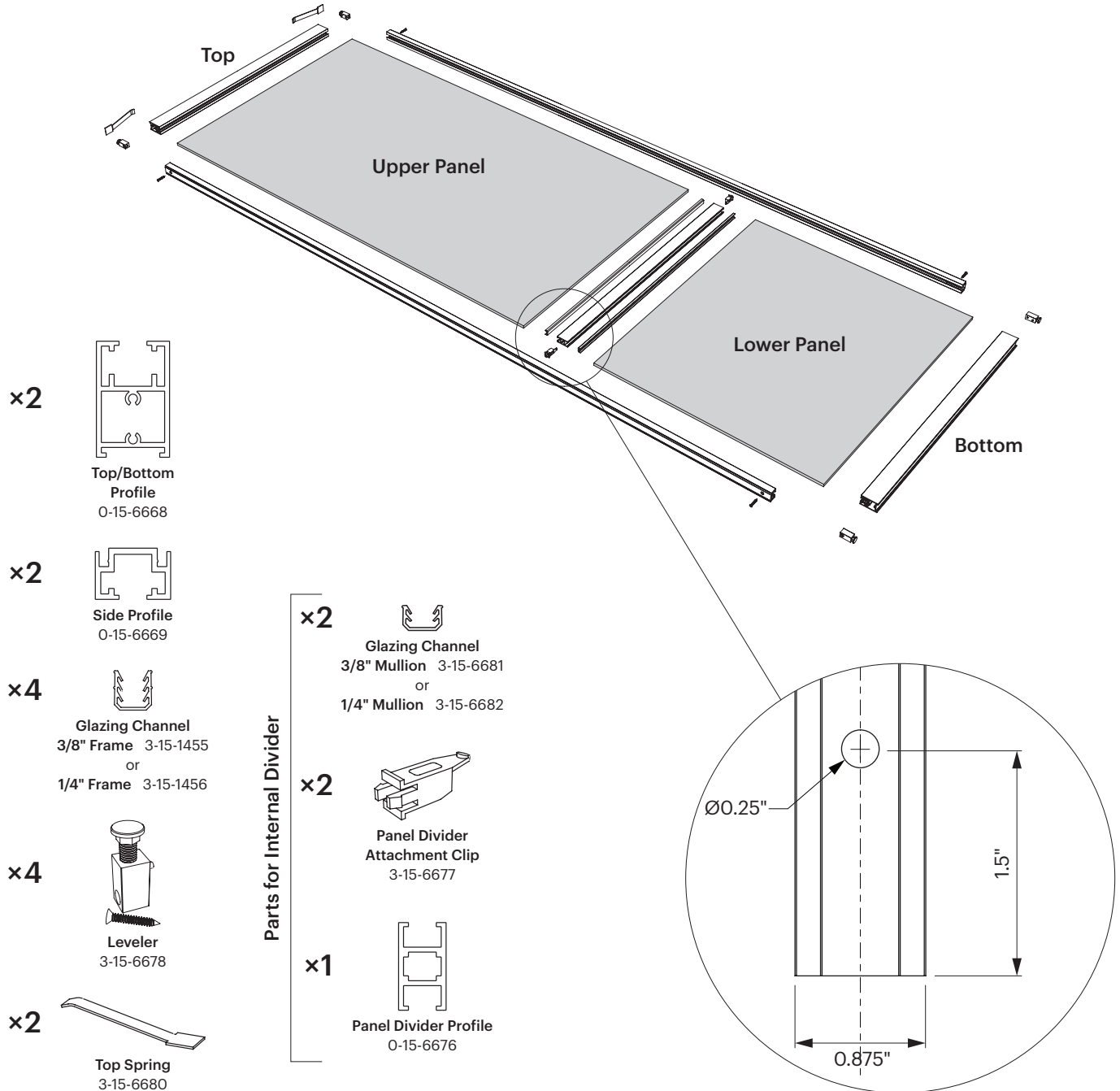


## Installation: Frame Module Assembly with Mullions

### 1 Lay out Module

Lay out module around panel.

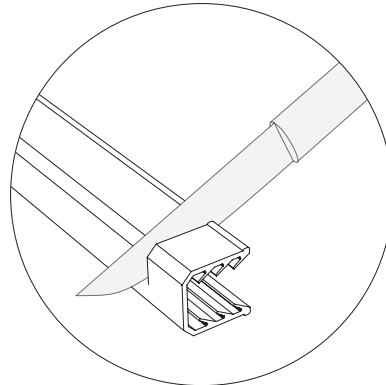
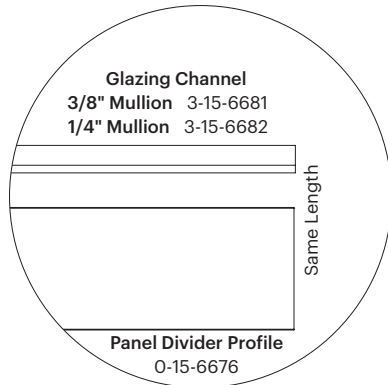
*Panel divider profiles will come pre-drilled. If the panel divider profiles are not pre-drilled, use the drill template below.*



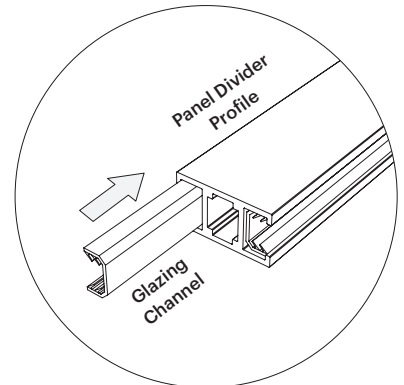
## Installation: Frame Module Assembly with Mullions

### 2 Cut and Insert Glazing Channels

- a** Cut glazing channels to the same length as the mullion



- b** Insert glazing channels into each channel (2 per mullion).



- c** Follow "Frame Module Assembly" Step 2 on page 16 to cut and insert glazing channels for the side and top/bottom profiles.

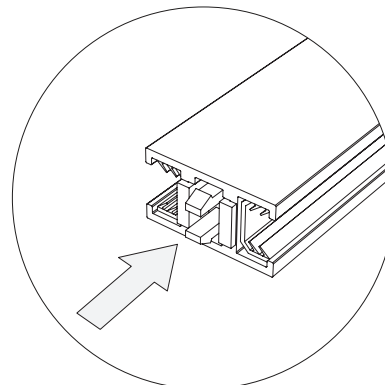
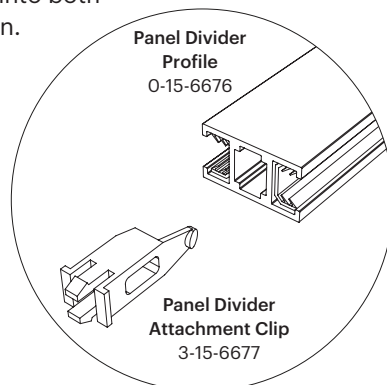
### 3 Attach Side and Bottom Profiles to Lower Panel

Attach first side profile to **lower panel only** following Step 3 of "Frame Module Assembly" on page 17.

Attach **bottom profile only** to lower panel following Steps 4a - 4b of "Frame Module Assembly" on page 18.

### 4 Attach Mullion

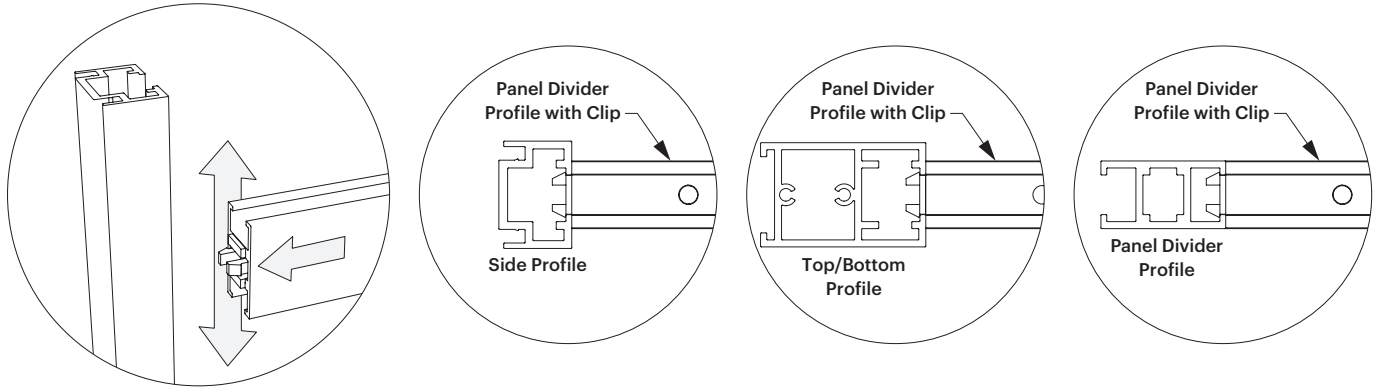
- a** Insert mullion clips into both ends of each mullion.



### Installation: Frame Module Assembly with Mullions

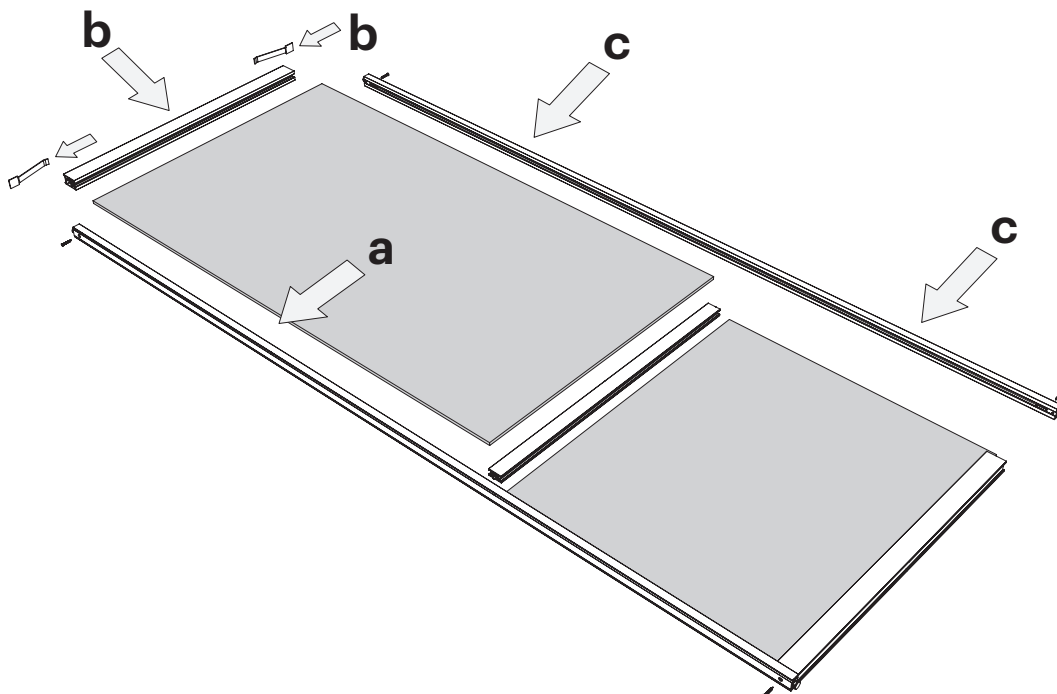
#### 4 Attach Mullion *cont...*

- b** Snap mullion into the profile.

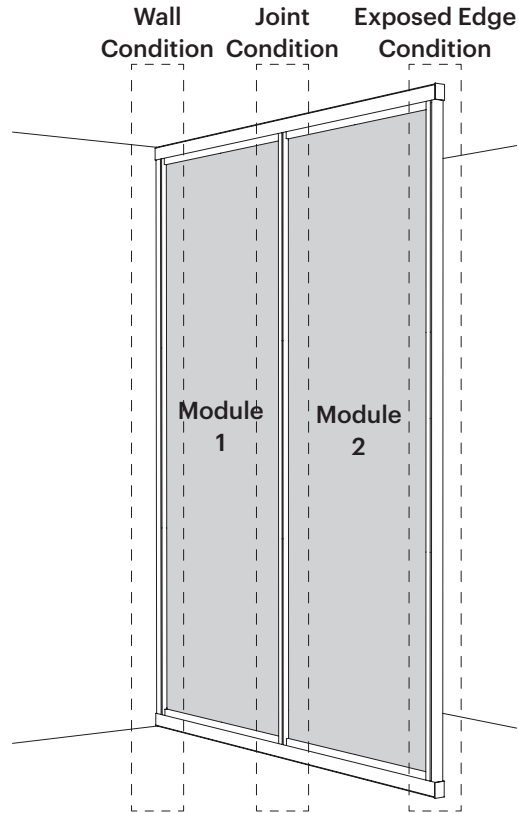


#### 5 Complete Frame Assembly

- a** Insert upper panel into first side profile and mullion.
- b** Attach top profile to upper panel and install springs following Steps 4a - 4c of "Frame Module Assembly" on page 18.
- c** Attach second side profile following Step 5 of "Frame Module Assembly" on page 19.

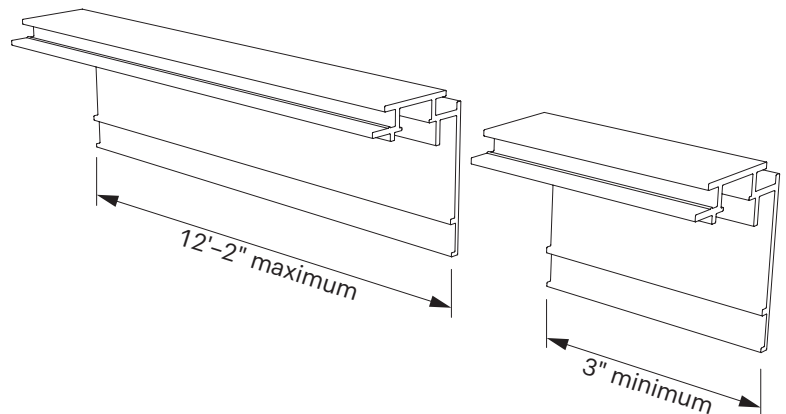
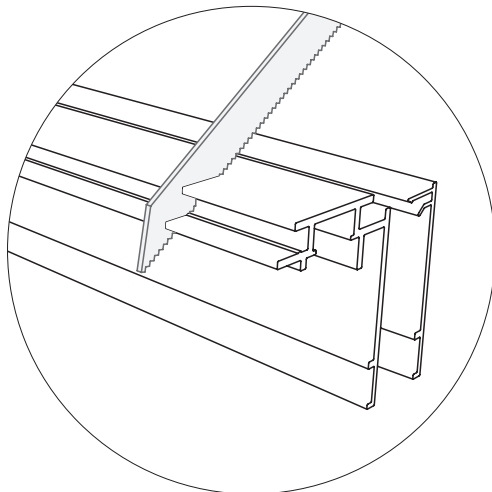


## Installation: Exposed Edge Condition



### 1 Cut Floor/Ceiling Profiles (O-15-6666) and Floor/Ceiling Valances (O-15-6667)

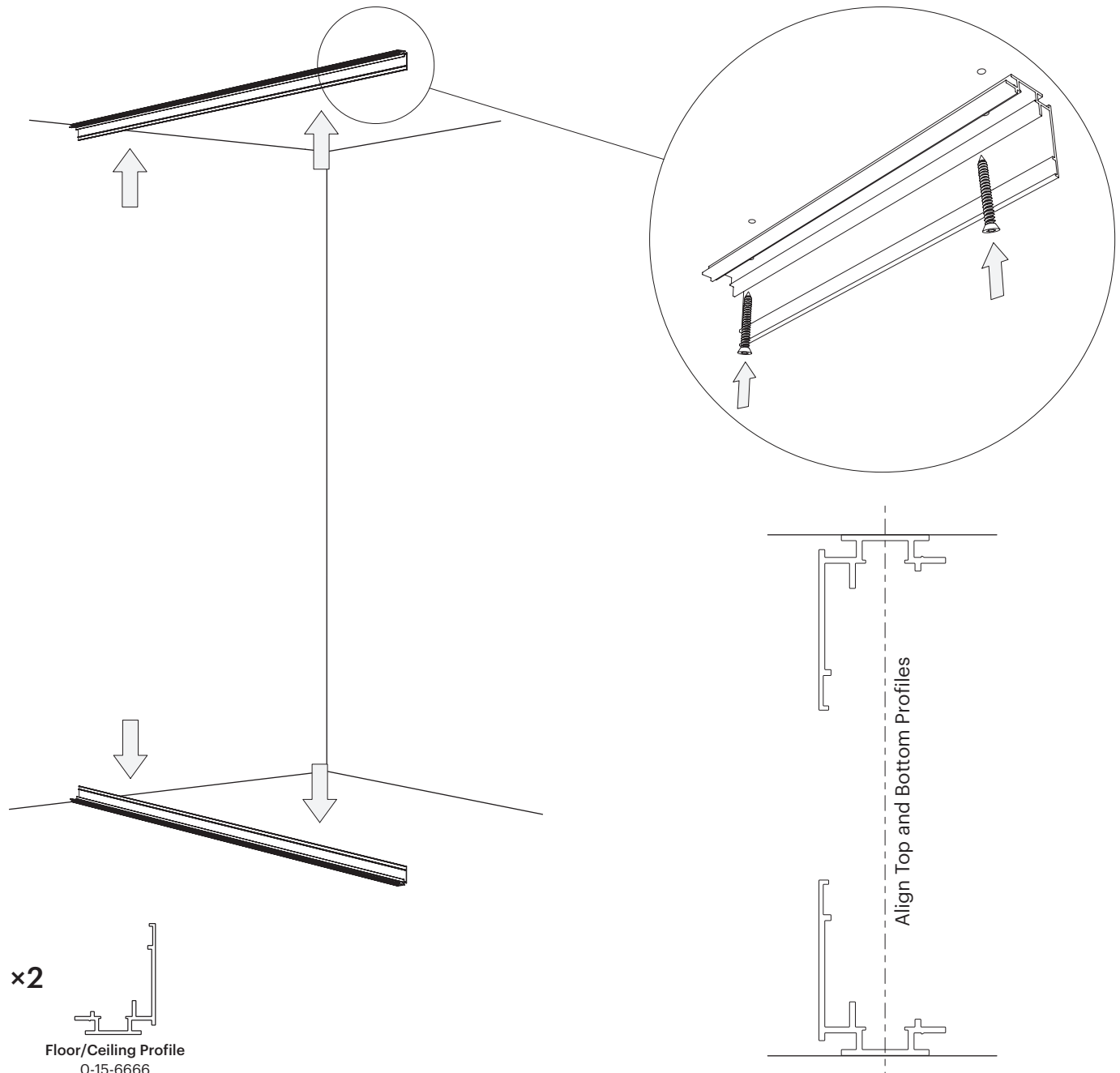
Profiles come in 12'-2" length, cut to appropriate length. If overall frame length is more than 12' long, stagger the joint between the Floor/Ceiling Profiles (O-15-6666) and Floor/Ceiling Valance (O-15-6667) by at least 3".



## Installation: Exposed Edge Condition

### 2 Attach Floor/Ceiling Profiles (O-15-6666)

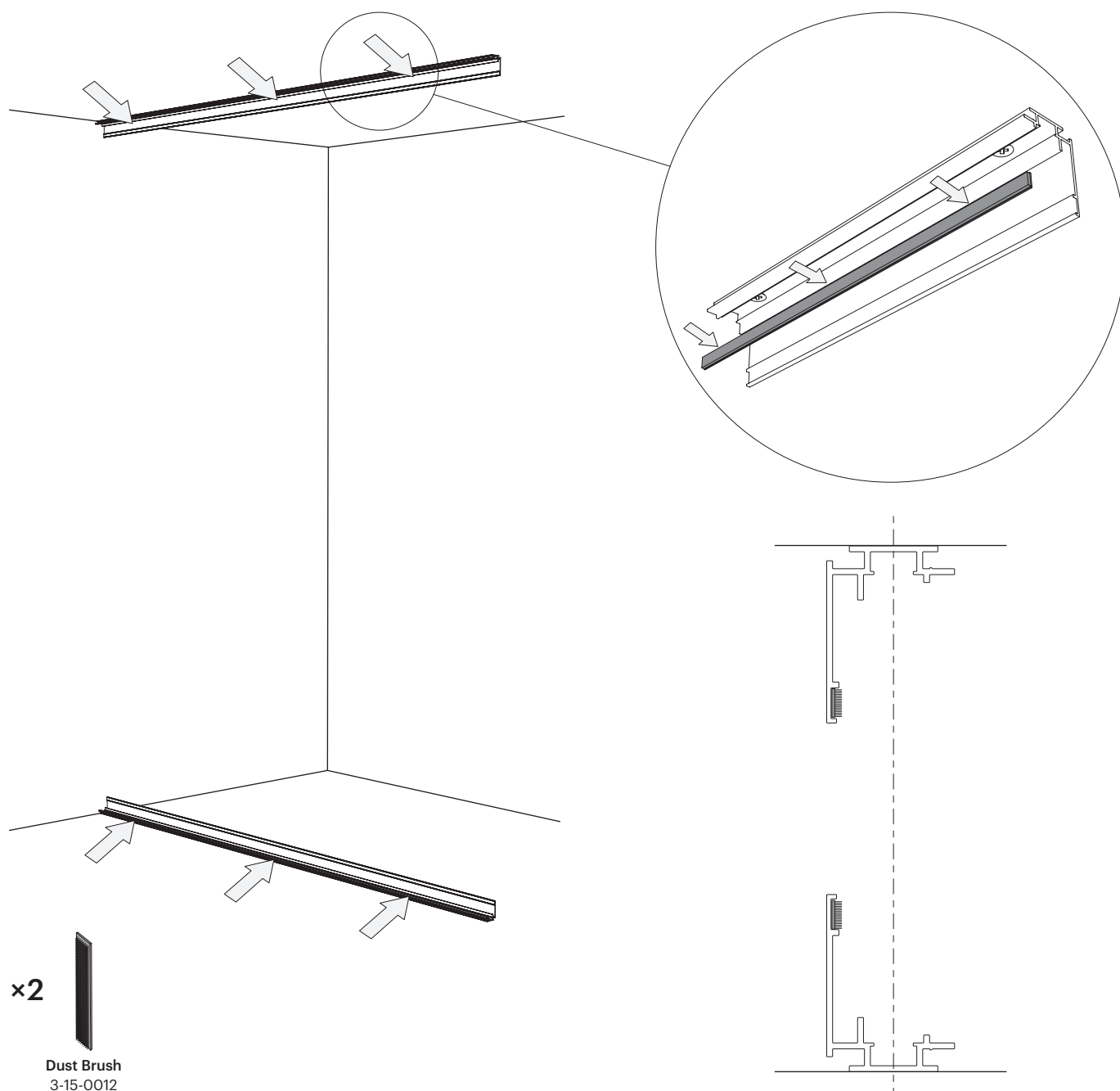
- a** Attach Floor/Ceiling Profiles (O-15-6666) to floor and ceiling using appropriate fasteners depending on substrate. Fasteners should be spaced no more than 24" apart. Ensure the top and bottom are aligned and directly above/below each other.



### Installation: Exposed Edge Condition

## 2 Attach Floor/Ceiling Profiles (0-15-6666) *cont...*

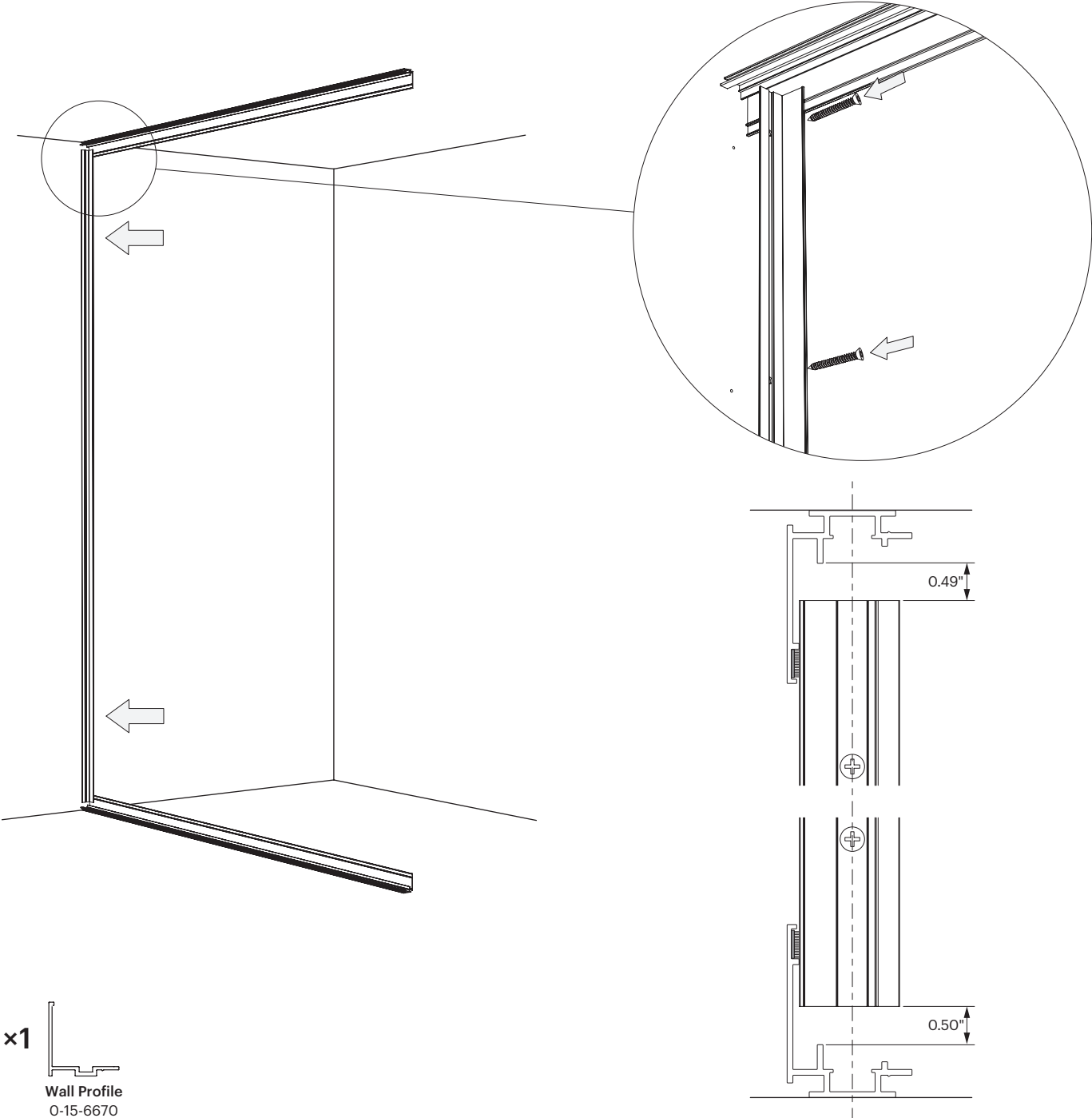
- b** Install Dust Brush (3-15-0012) in groove of Floor/Ceiling Profiles (0-15-6666).



Installation: Exposed Edge Condition

3 Attach Wall Profile (0-15-6670)

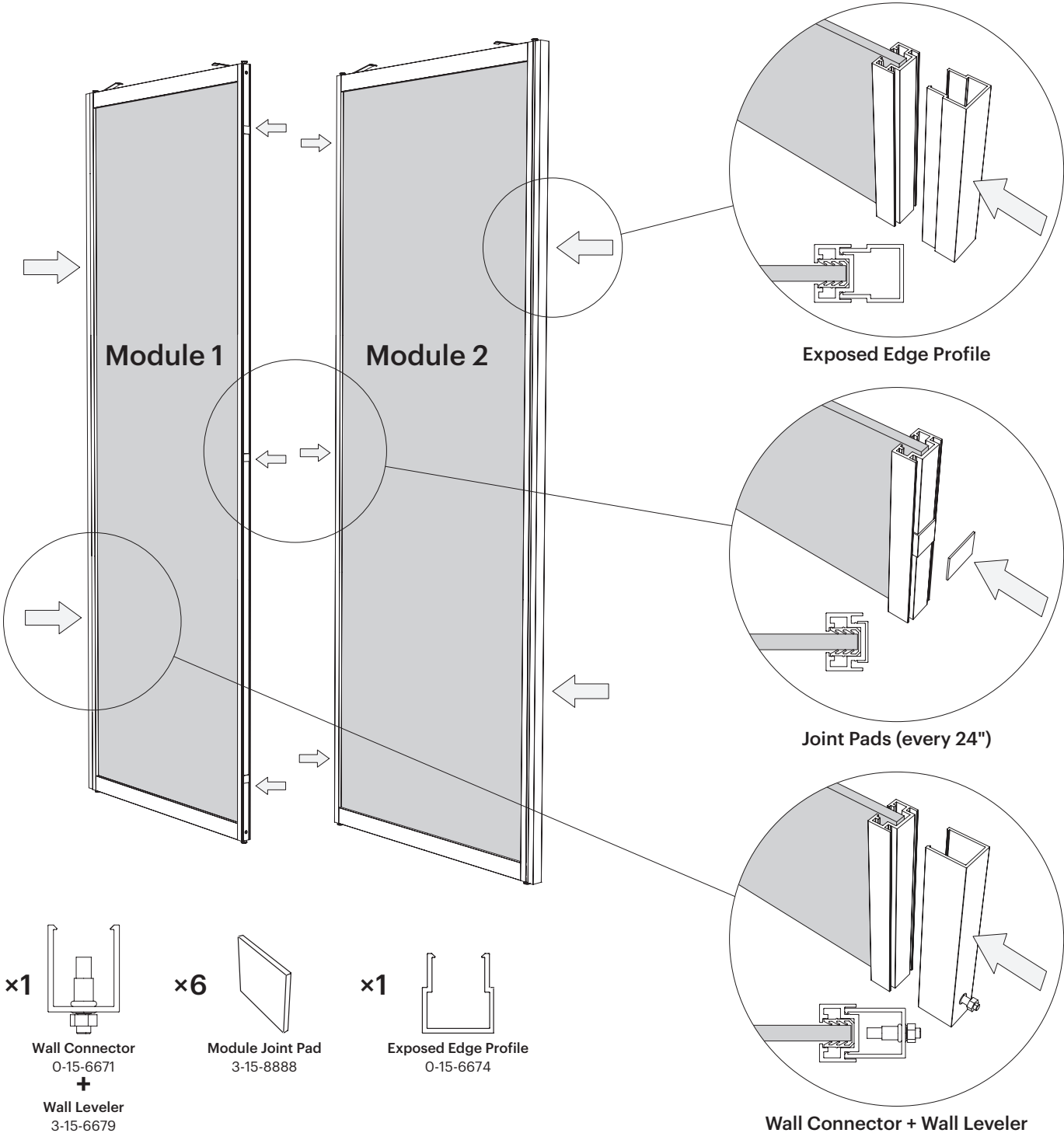
If left and/or right side of frame is attached to wall: Attach Wall Profile (0-15-6670) to wall using appropriate fasteners depending on substrate. Holes are pre-drilled at the factory.





Installation: Exposed Edge Condition

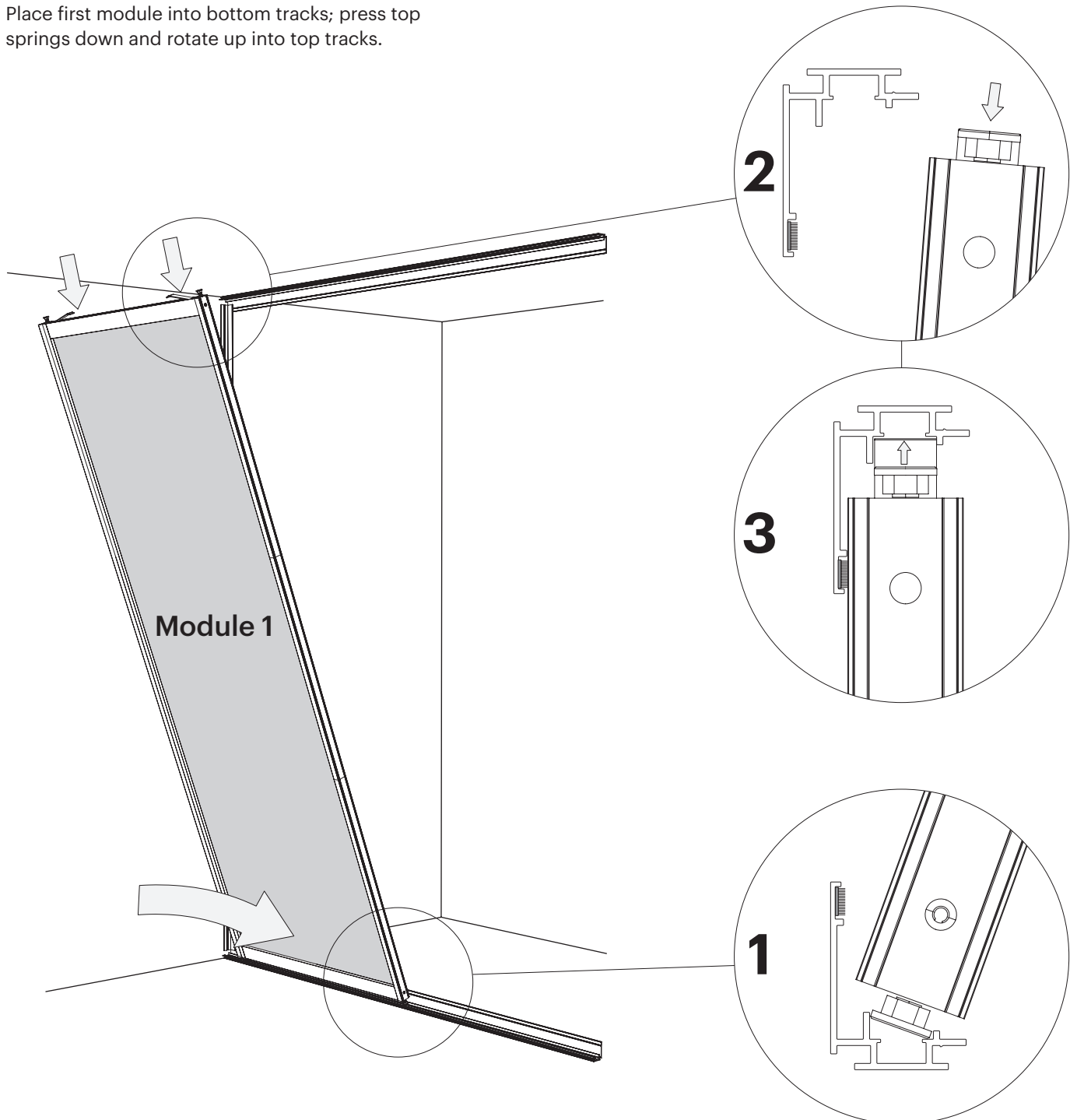
4 Prepare Modules for Installation



### Installation: Exposed Edge Condition

#### 5 Install First Module

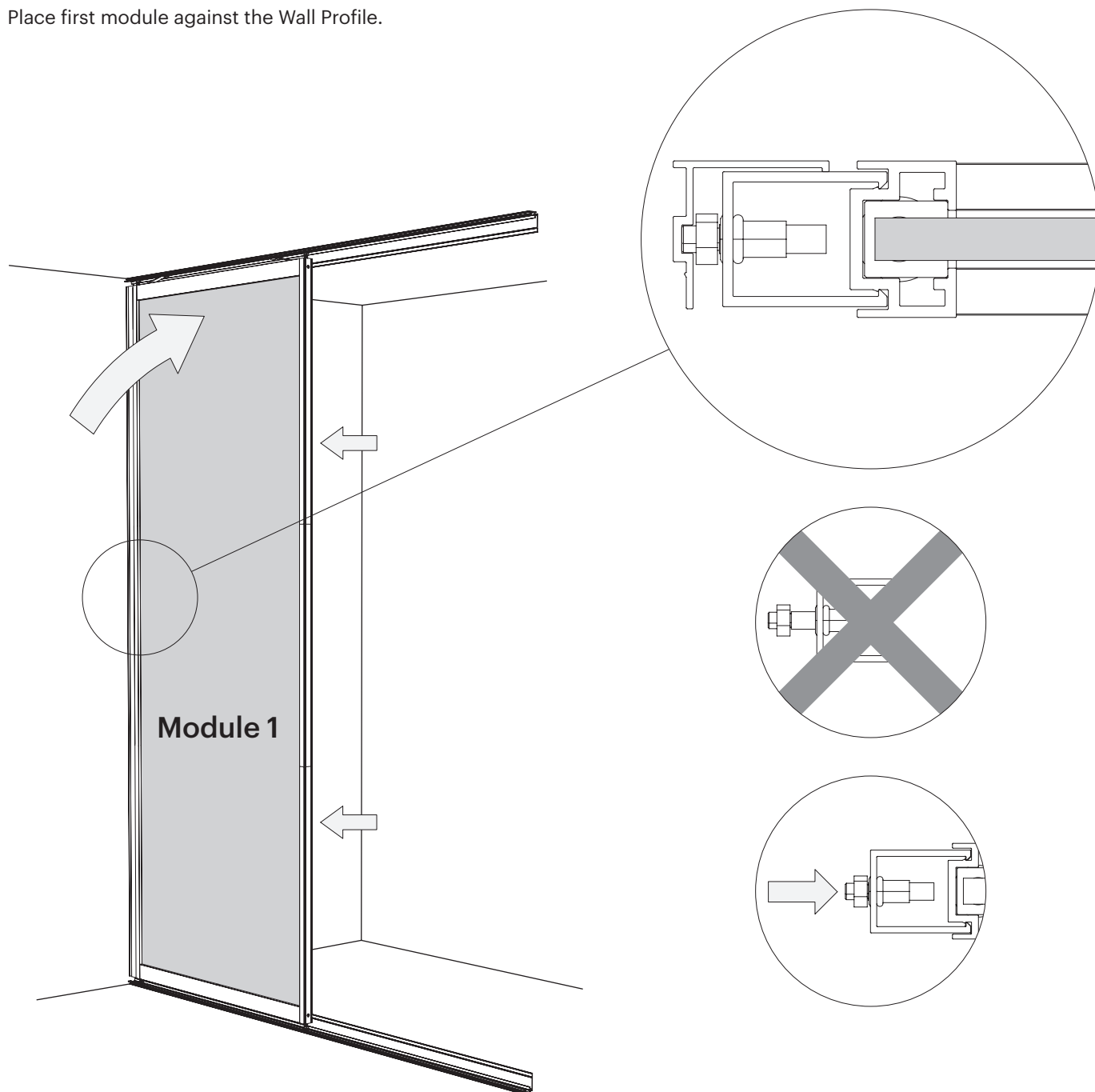
- a** Place first module into bottom tracks; press top springs down and rotate up into top tracks.



### Installation: Exposed Edge Condition

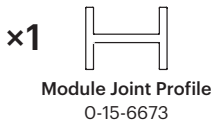
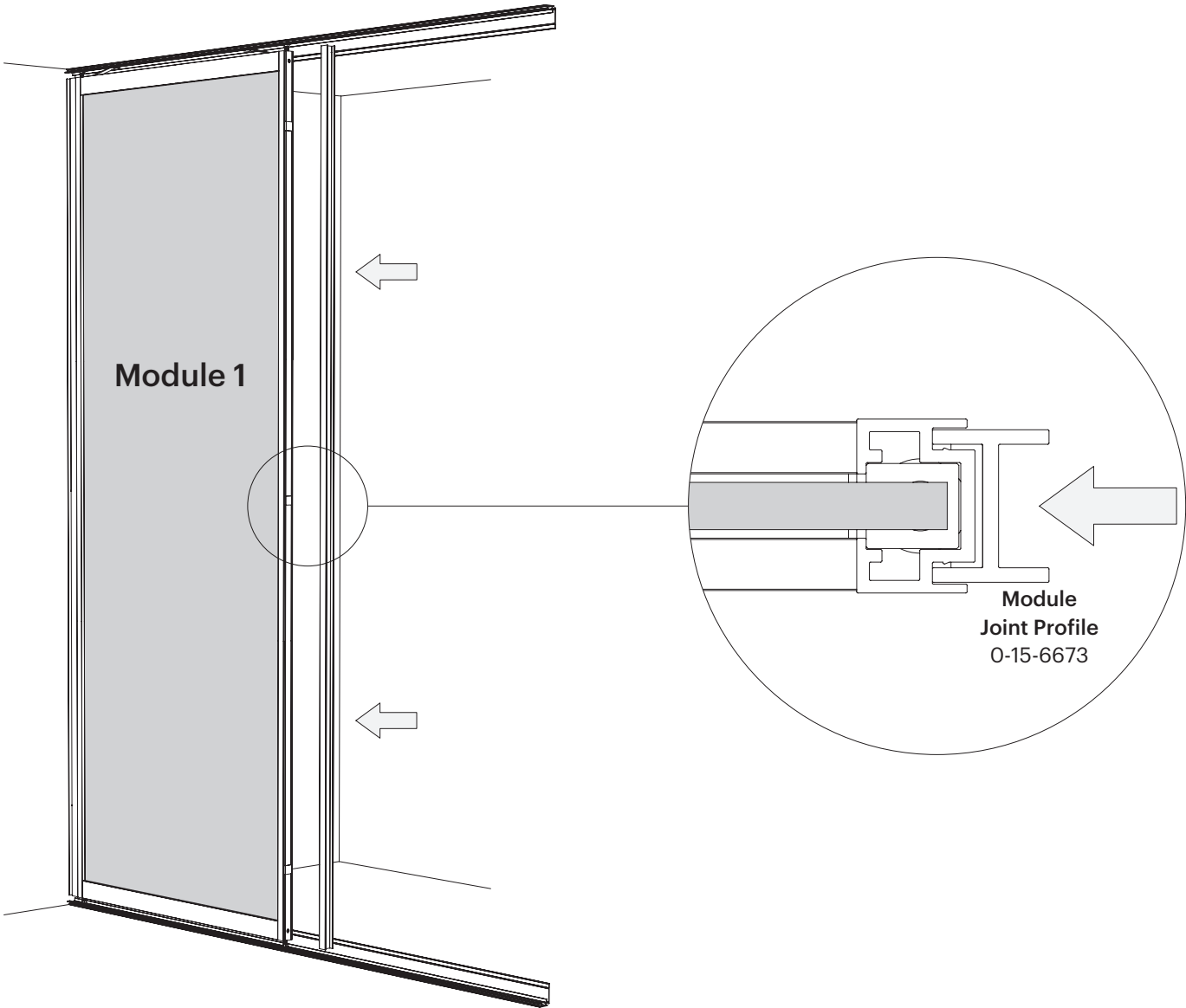
#### 5 Install First Module *cont...*

- b** Place first module against the Wall Profile.



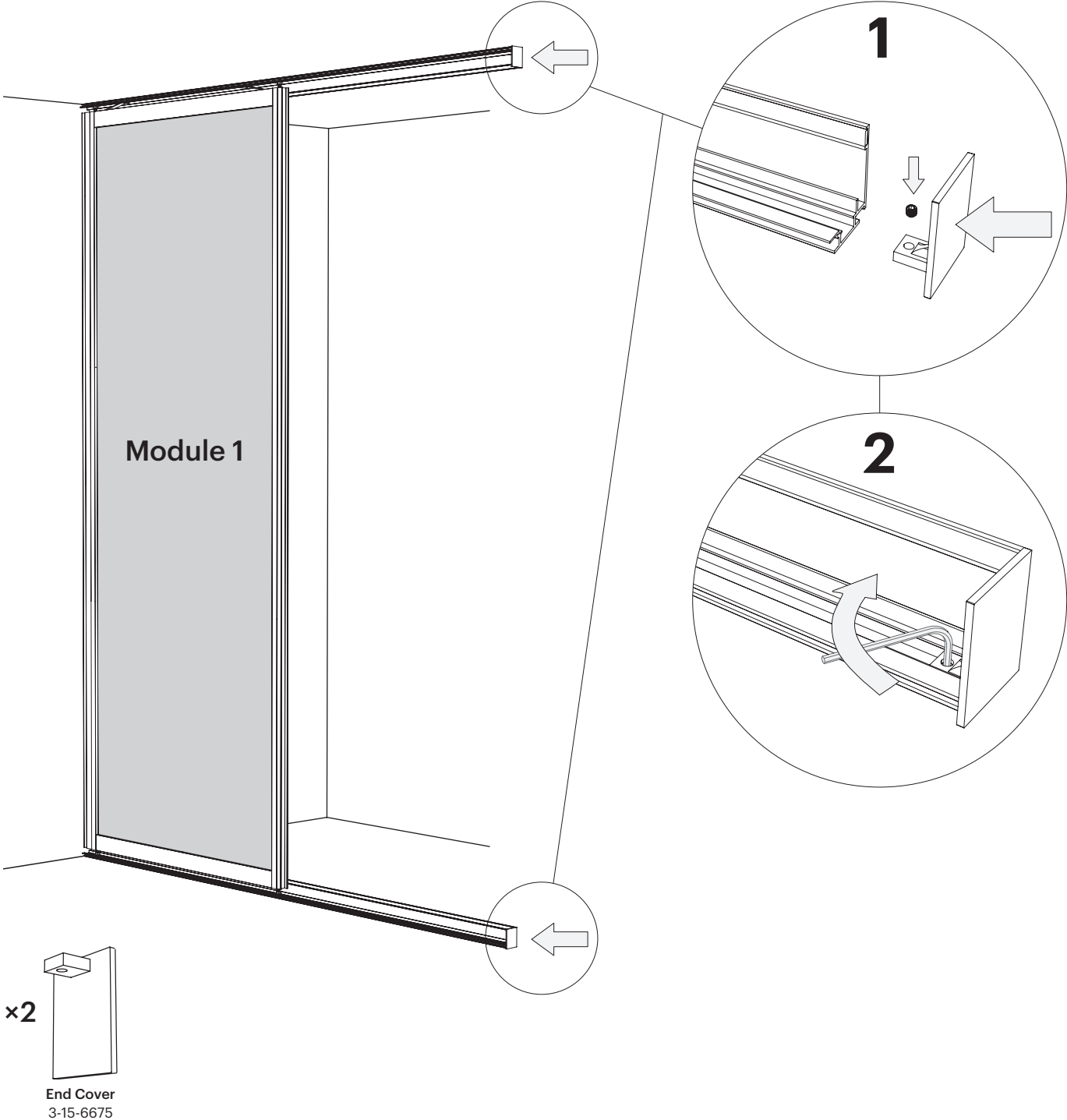
Installation: Exposed Edge Condition

6 Install Module Joint Profile (O-15-6673) Against First Module



Installation: Exposed Edge Condition

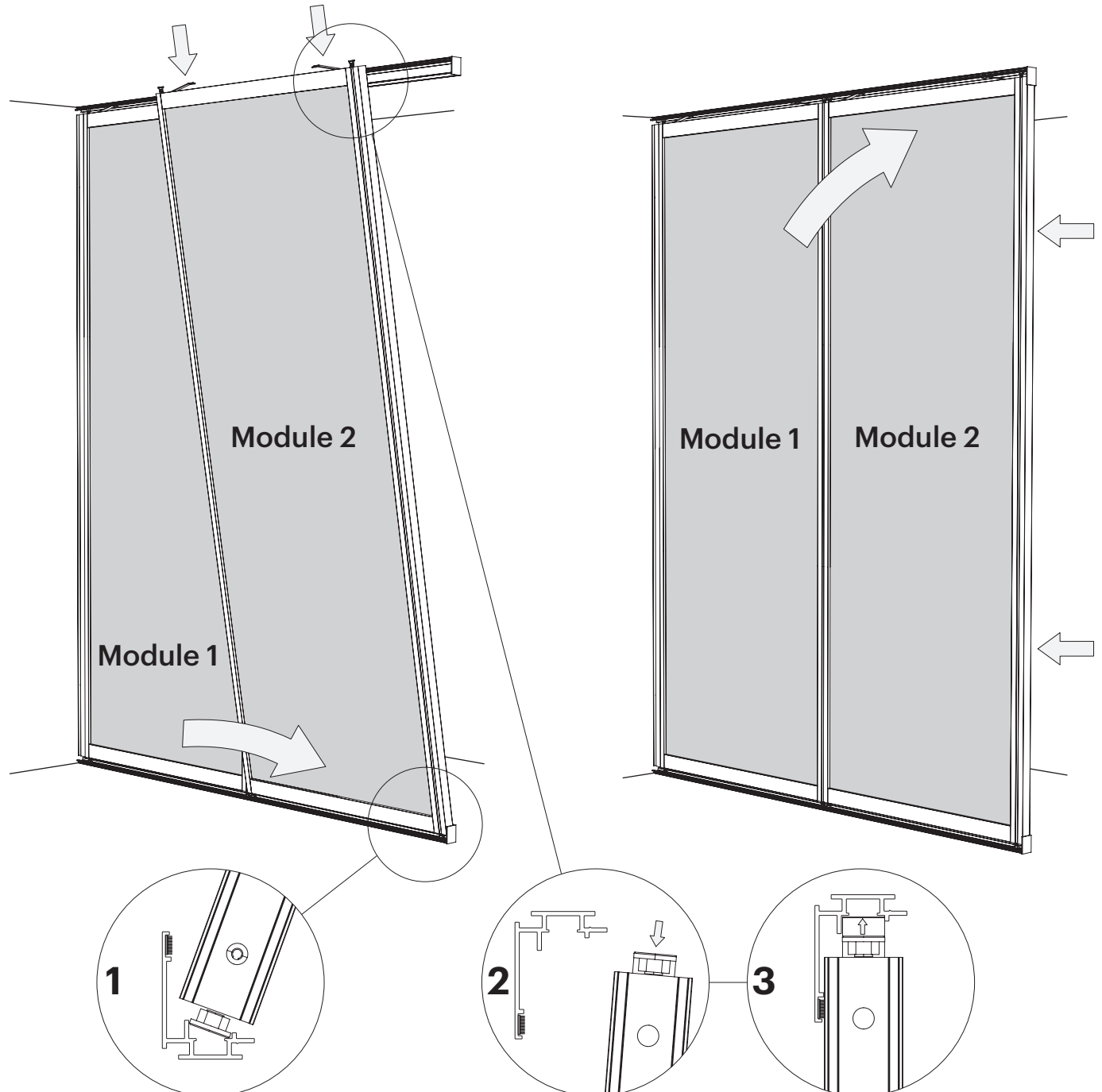
**7** For Exposed Edge: Install End Covers (3-15-6675) on Profiles (0-15-6666)



### Installation: Exposed Edge Condition

#### 8 Install Second Module

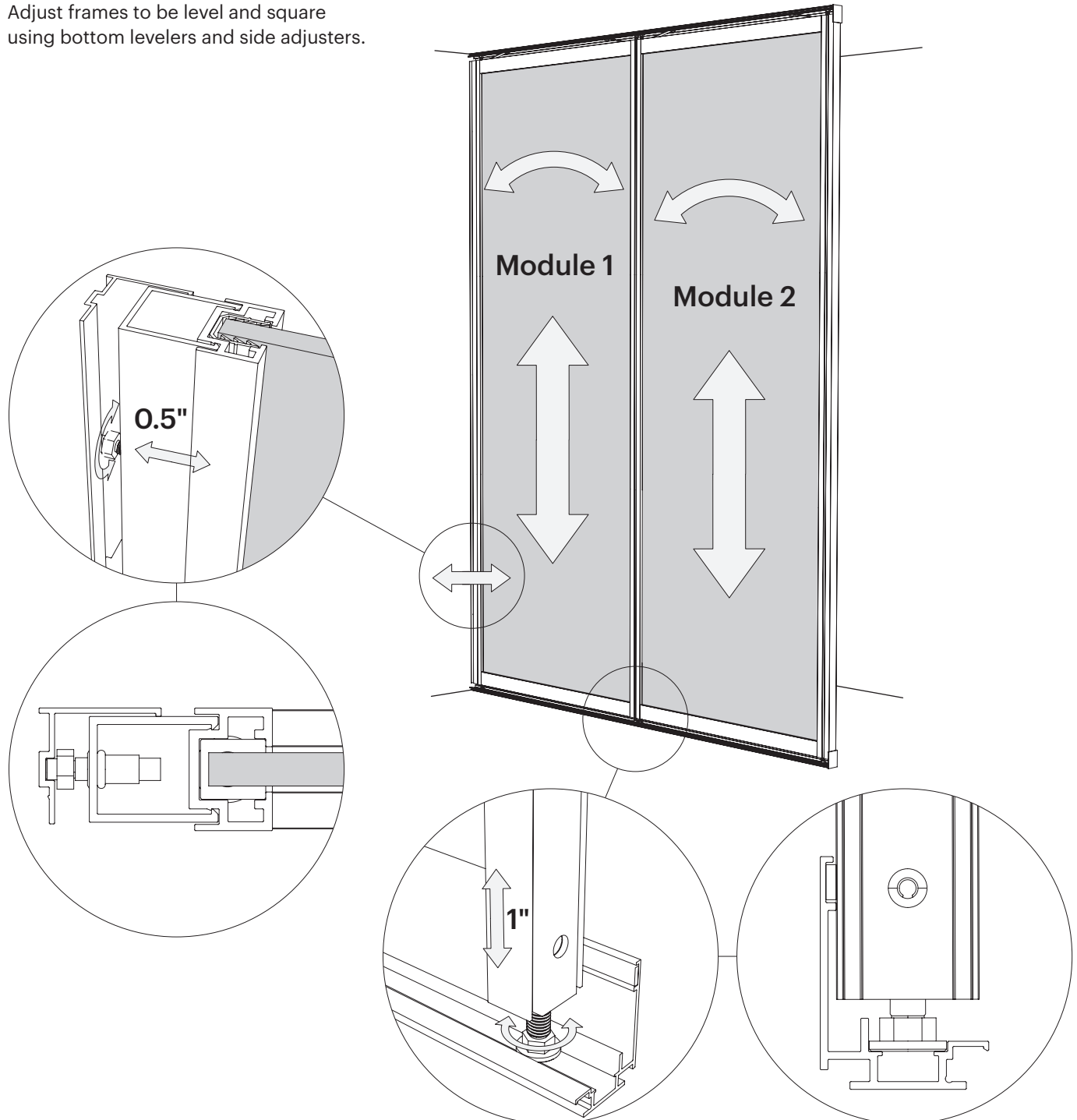
Place second module into bottom tracks; press top springs down and rotate up into top tracks.  
Repeat for multiple modules (3rd, 4th, 5th, 6th, etc.)



## Installation: Exposed Edge Condition

### 9 Adjust Frames to Be Level and Square

- a** Adjust frames to be level and square using bottom levelers and side adjusters.

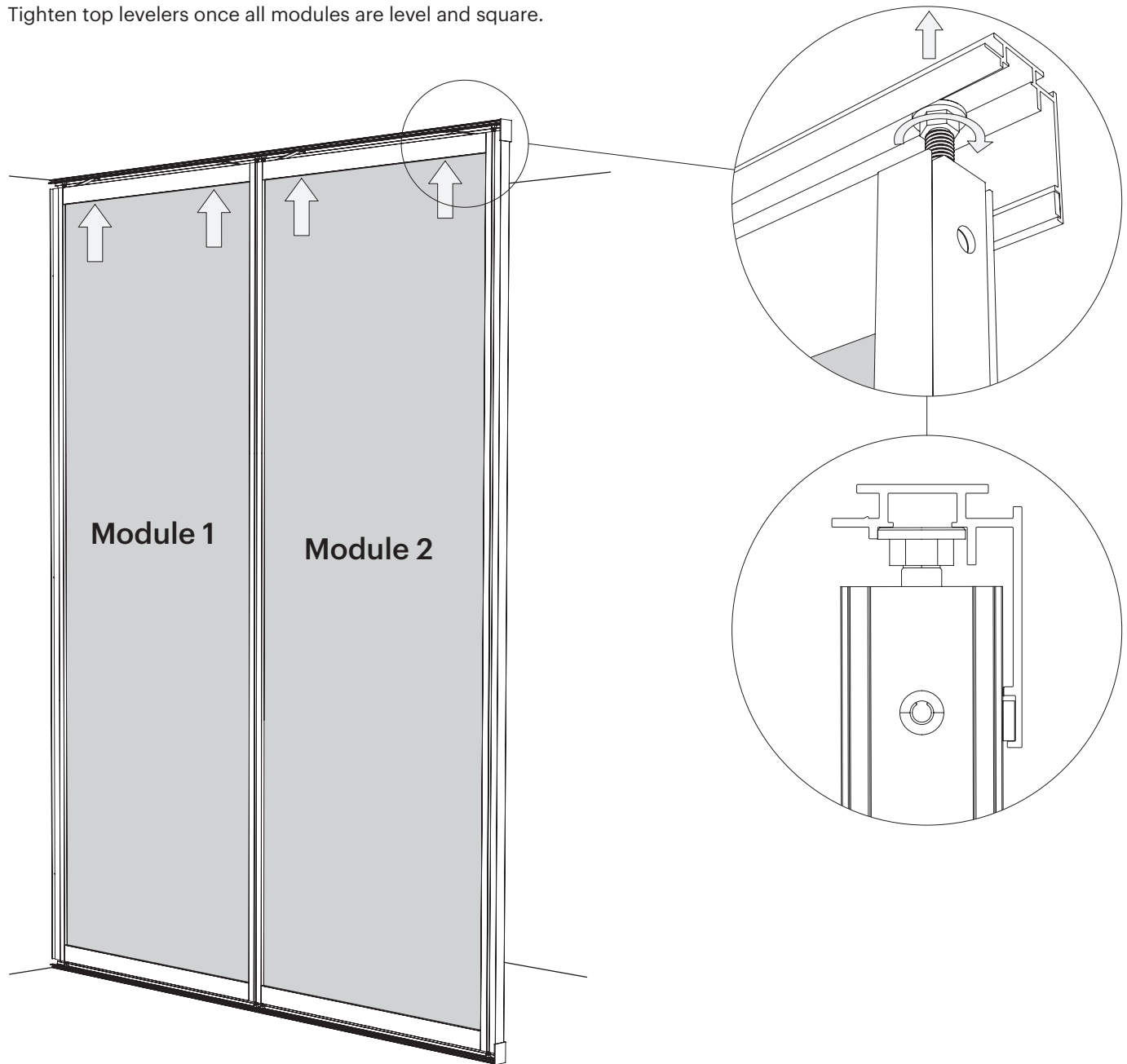




### Installation: Exposed Edge Condition

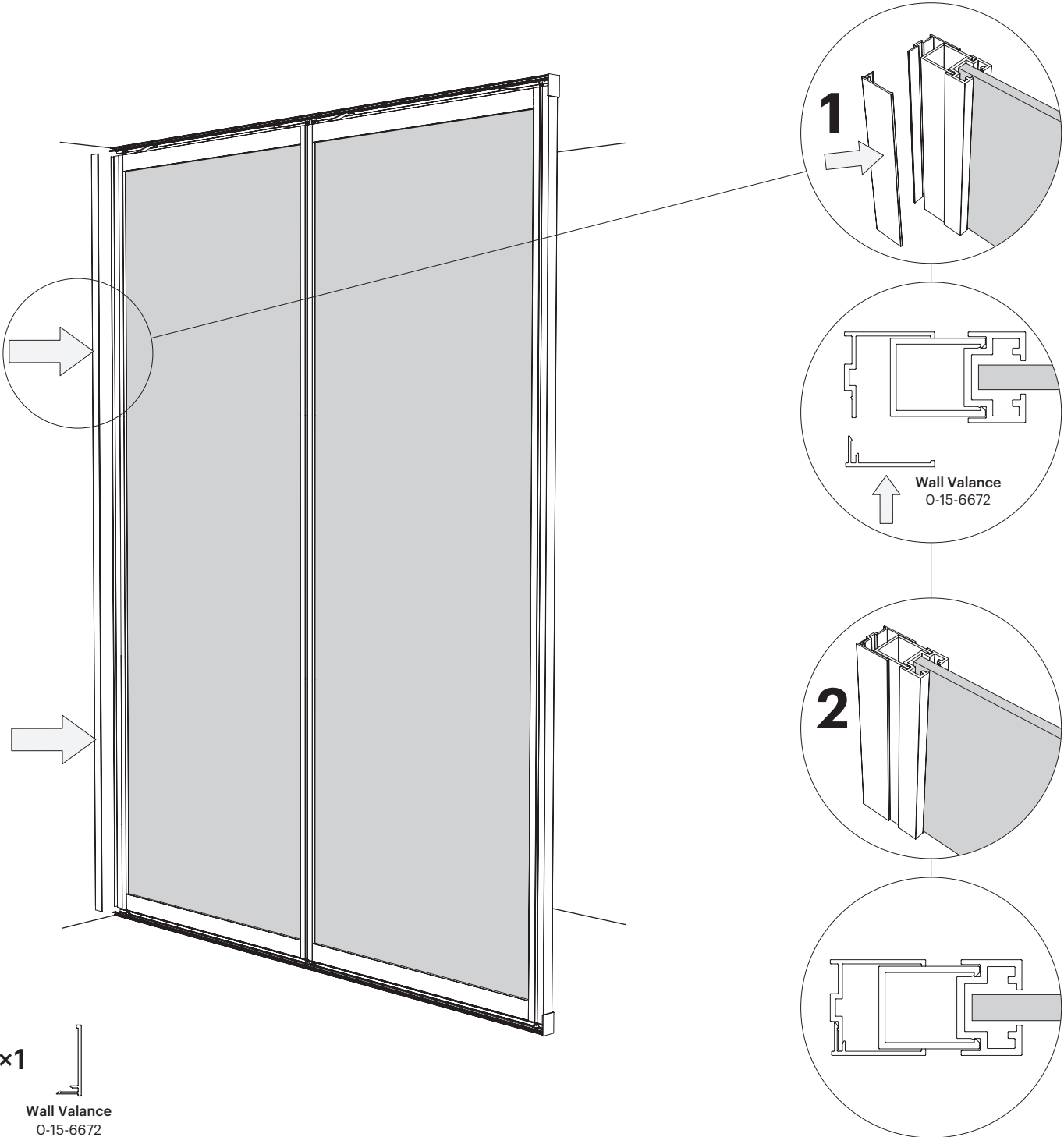
#### 9 Adjust Frames to Be Level and Square *cont...*

- b** Tighten top levelers once all modules are level and square.



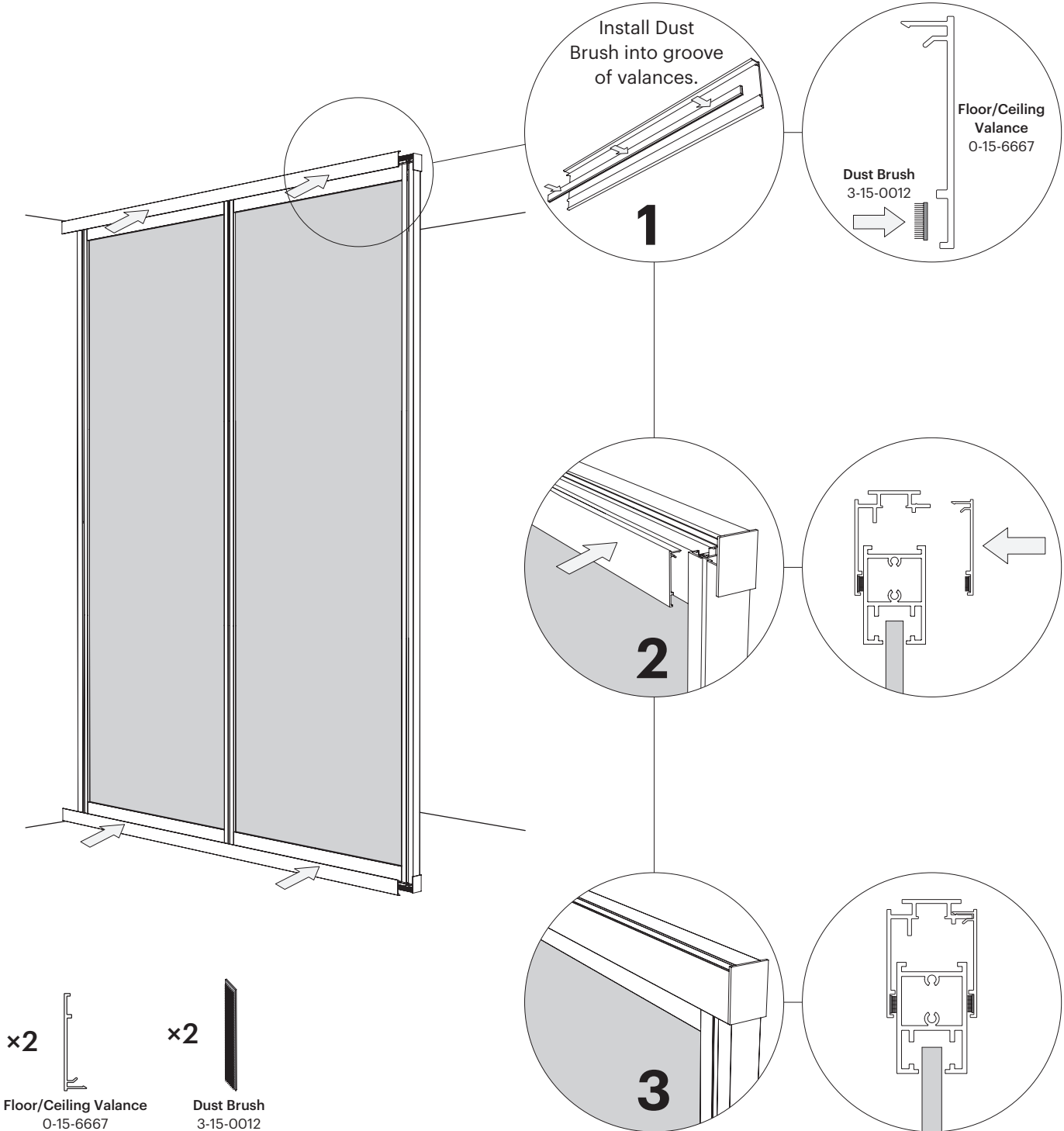
Installation: Exposed Edge Condition

10 Install Wall Adapter Valance (0-15-6672)

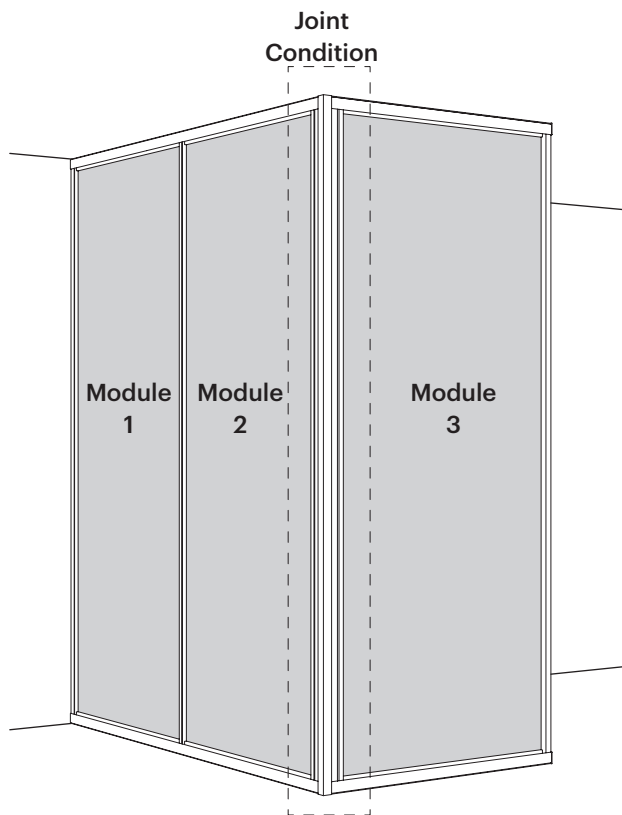


Installation: Exposed Edge Condition

11 Install Floor/Ceiling Valances (0-15-6667)



## Installation: Corner Condition



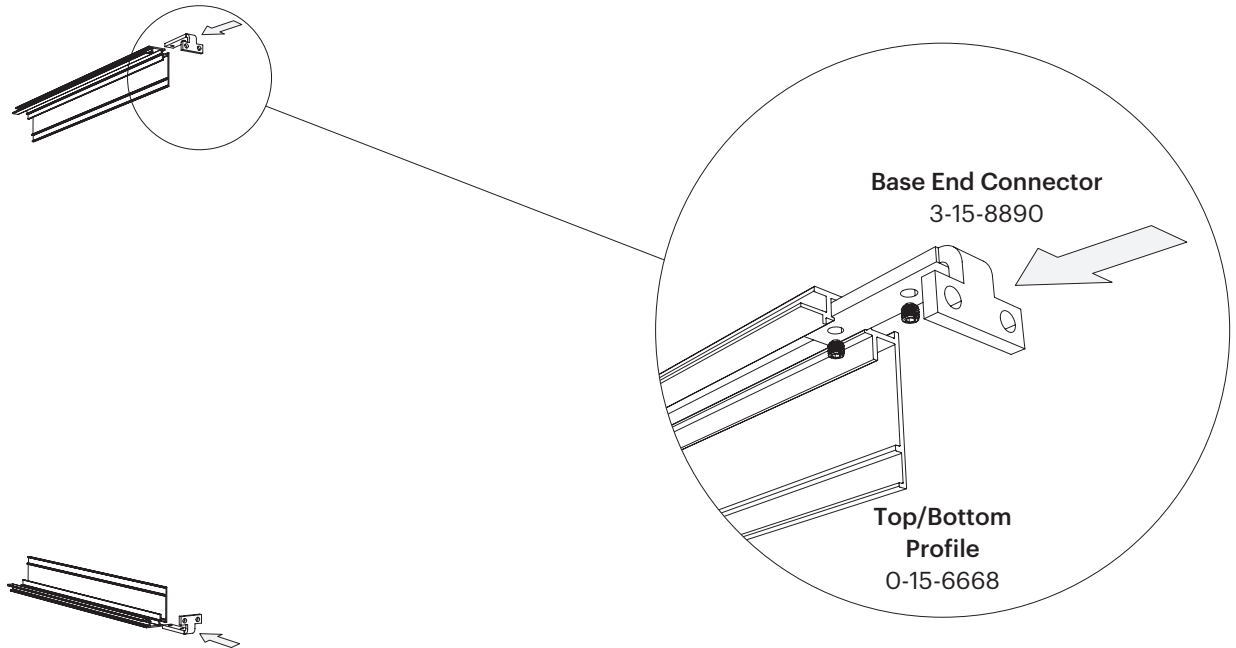
### 1 Install following Exposed Edge Conditions Steps 1-4

See Exposed Edge Conditions Steps 1 – 4 on page 24.

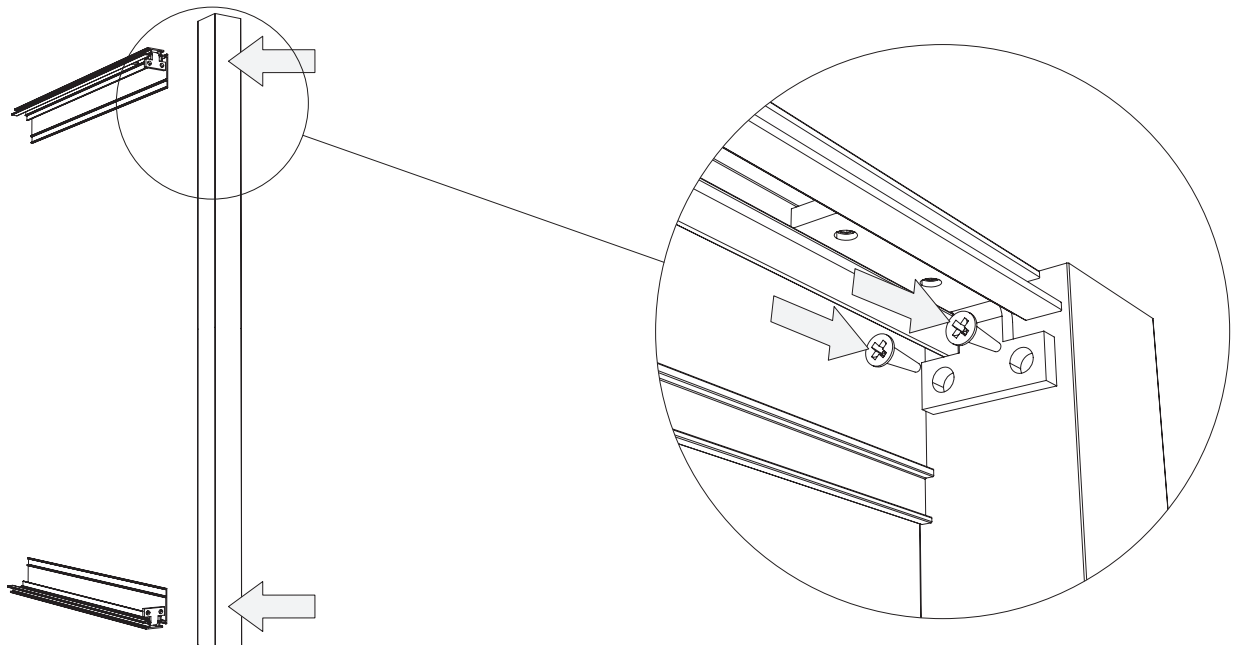
Then move onto Corner Condition Step 2 on page 39.

### Installation: Corner Condition

#### 2 Install Base End Connector (3-15-8890) on Installed Top/Bottom Profiles

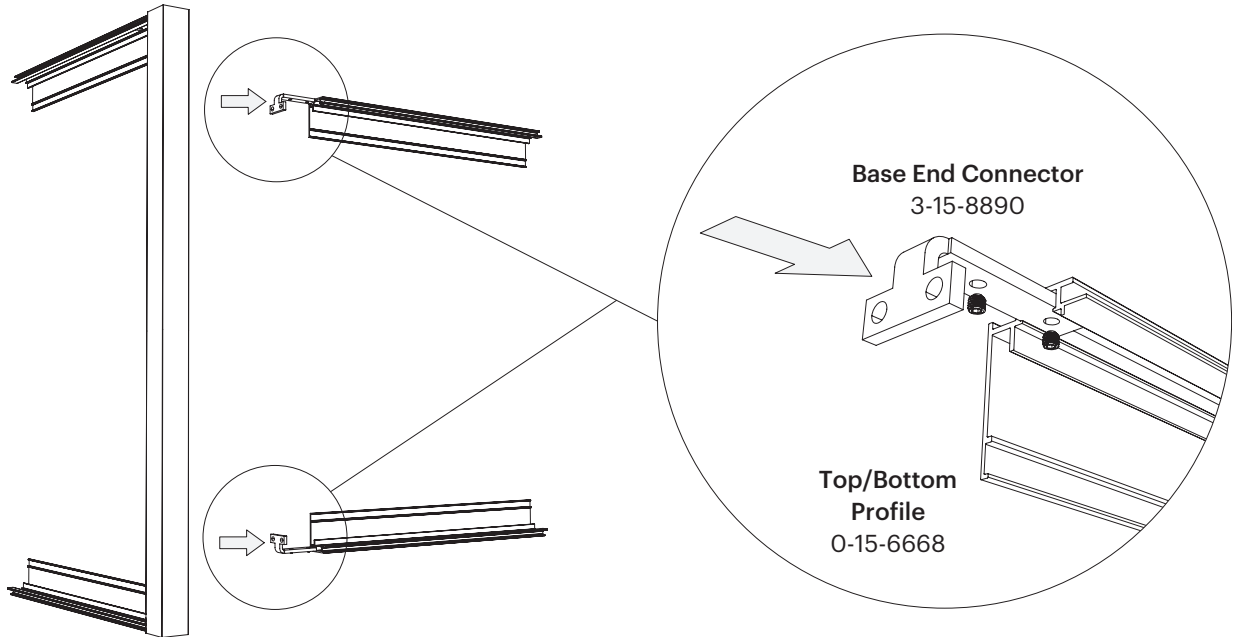


#### 3 Attach Corner Post (0-15-8889) at Top and Bottom

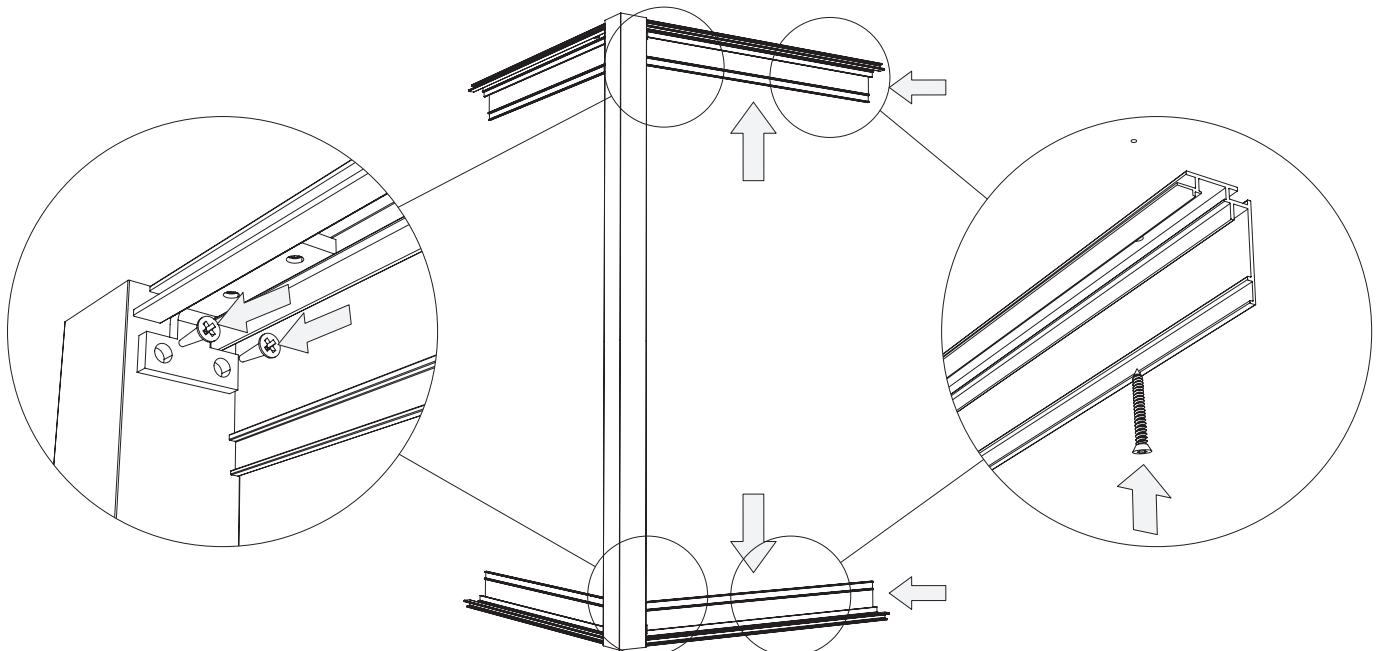


### Installation: Corner Condition

#### 4 Install Base End Connector (3-15-8890) on Uninstalled Top/Bottom Profiles

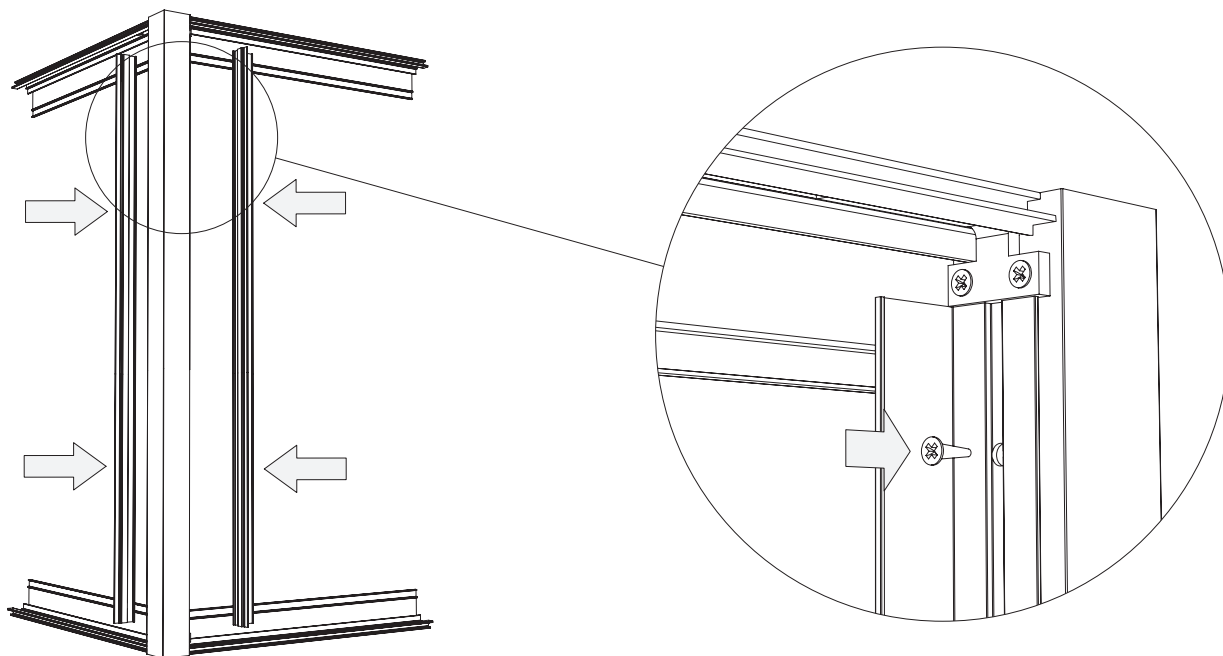


#### 5 Attach Top/Bottom Profiles (0-15-6668) to Corner Post (0-15-8889)



### Installation: Corner Condition

#### 6 Install Wall Profile (0-15-6670) on Corner Post (0-15-8889)



#### 7 Finish Installation

Follow remaining Steps 5 – 11 for Exposed Edge Conditions on page 29.