HAWORTH®

Trivati®

Installation Manual – October 2016

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Part Number: 119-6184

Thank you for choosing TRIVATI® by Haworth.

TRIVATI is a progressive-built office wall system; therefore careful considerations to the order of component installation must be addressed before the beginning of its installation. Familiarity of the system joints, brackets and support components with regards to the customer-expected layout must be clearly understood before deciding where to start and how to progress.

While all materials and mounting selections are present in this manual, we have presented each rail type with its typical hardware and joint type in order to cover the numerous choices of rails. Therefore, while each rail type is displayed, the layout will determine the installation approach.

This installation guide was designed to cover as many variations of hardware and mounting styles possible, while also trying to keep it light and focused. Please read all steps in their entirety and review the layout to understand each connection and rail options before beginning the actual install, as some site conditions (floor, ceiling and wall types) and hardware specifications may require an alternate installation method.

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Section 1 - Safety

Working with Glass

When handling tempered glass use cut resistant gloves and safety glasses to protect yourself. When staging or placing glass into frames also wear glass sleeves to protect your forearms from sharp edges. When lifting glass on or off crates/carts always keep the glass panes in an upright position. Never carry the glass flat.

The edges and corners of tempered glass are the most fragile parts. When offloading and staging glass, all carts and staging surfaces must be padded.

When placing a pane into a frame, care must be taken not to load the weight of the panel on a single corner. Always lift the glass upright off the cart or staging area, support the pane and lay the bottom of the pane to the floor while raising the top of the pane to a vertical position.

Observe the glass stamp placement and keep placement consistent to outside bottom right when the pane is placed within the frame.

Cutting Aluminum / Plastic

Verify that the saw is cutting square and true by using a small square against the table and saw blade. Make any corrections to the saw as needed.

Ensure that you have selected the correct extrusion profile and proper length (typically 9', 10' or 12') before proceeding with the cut. Use masking tape and a small square on the part when marking the desired length.

When cutting any plastic or metal, a full face shield and a long sleeves shirt should be used to protect eyes, face and forearms from shavings.

Before marking the desired length on the part, slightly trim the factory edge to ensure squareness.

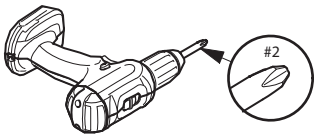
Make sure that the extrusion to be cut is firmly held against the fence and table of saw. Always make sure that fingers and clothing is nowhere near the blade path and proceed slowly with the cut. Once the cut is complete, remove any shavings within the channels of the extrusion with a brush or by tapping the part over a dropsheet or garbage bin.

When cutting plastic clips that will fasten covers and caps to rails, back-cut the plastic clip slightly (1/2") to ease installation of the cap/covers.

Section 2 - General Installation Guidelines

Tools Required

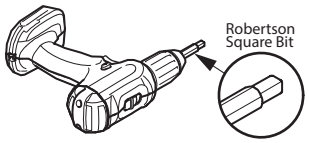
Cordless drill with #2 square recess driver bits



Hammer drill (for concrete anchors or screws)

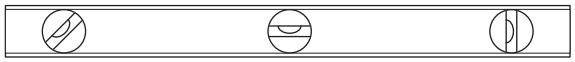
Vacuum

16 to 27 oz Deadblow Hammer



Tap block

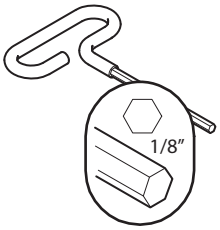
Level (4' and 2")

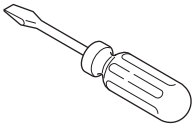


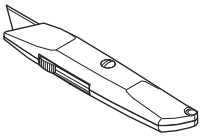
Laser - 5 -point

Mitre Saw 10" (minimum) with non-ferrous Carbide Blade (minimum 96-tooth)

Square (small)



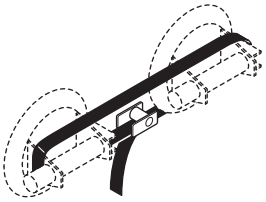




Anvil Cutters

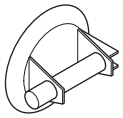
Tape Measure (Metric and Imperial)

1/8" Round Hex T handle



1/8" Hex T Handle

Masking Tape



Industrial Grade
(2x)

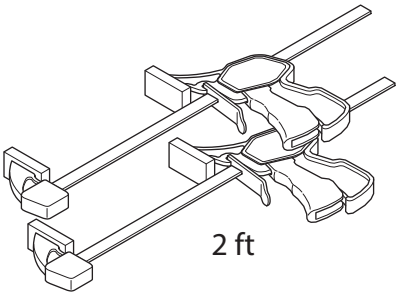
Pencil

Utility Knife

Screw Driver - Flat

Rubber Mallet

Rotary tool (w/ metal plastic cut off wheels)



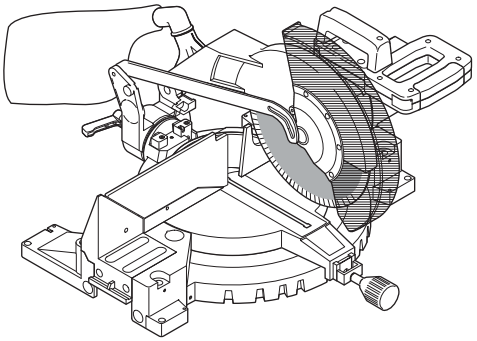
2 ft

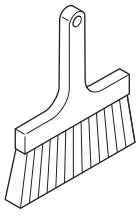
Personal Protection Equipment

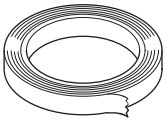
Drop sheet and Saw table

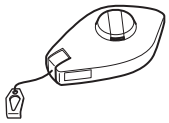
Reversible Quick Clamps (2ft long)

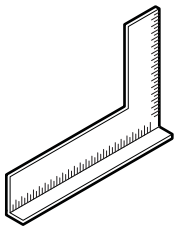
Suction Cups (glass handling)

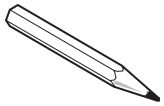


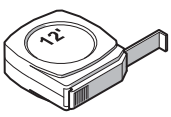














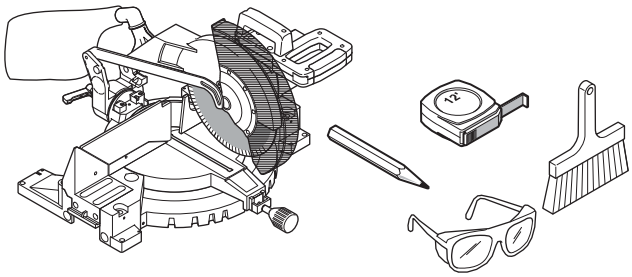
Cutting Station

To avoid aluminum shavings from damaging carpet and walls, a cutting station should be used. A cutting station can be built by using shipping materials (protective foam or cardboard sheeting) to protect floors and walls. Commercial saw hoods are also available that will mount to the saw or saw table, these hoods are preferred as the saw can be easily moved to work areas.

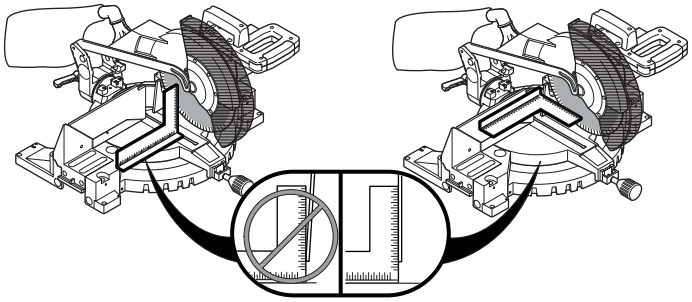
Vacuums can also be used to manage cutting debris but wall/floor protection or a saw hood should also be used.

The saw table should be elevated to a comfortable working height and be able to safely support long lengths (12') of stock material.

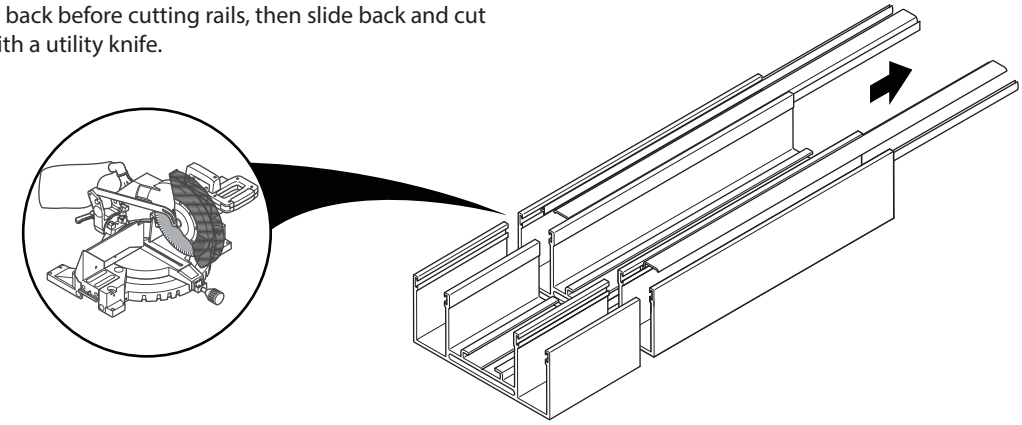
1 Install appropriate saw blade.
Have the necessary tools at the cutting station.



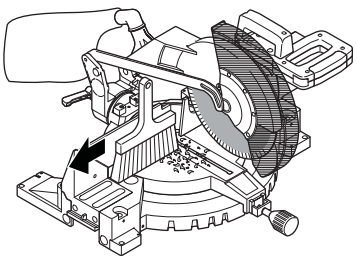
2 Square saw blade before first cut.
Validate squareness with test cut.

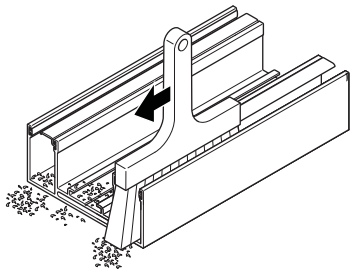


3 Pull seals back before cutting rails, then slide back and cut excess with a utility knife.



4 Clean aluminum debris from saw bed before each cut.
Clean aluminum debris from from parts before assembling.





Staging Materials & Identification

Using the floor plans and technical drawings, determine the product requirements for each build area. All products should be kept close by but not directly in the work area. Keep material type (Rails, Panel Inserts, Brackets, Glass, etc...) grouped together and organized.

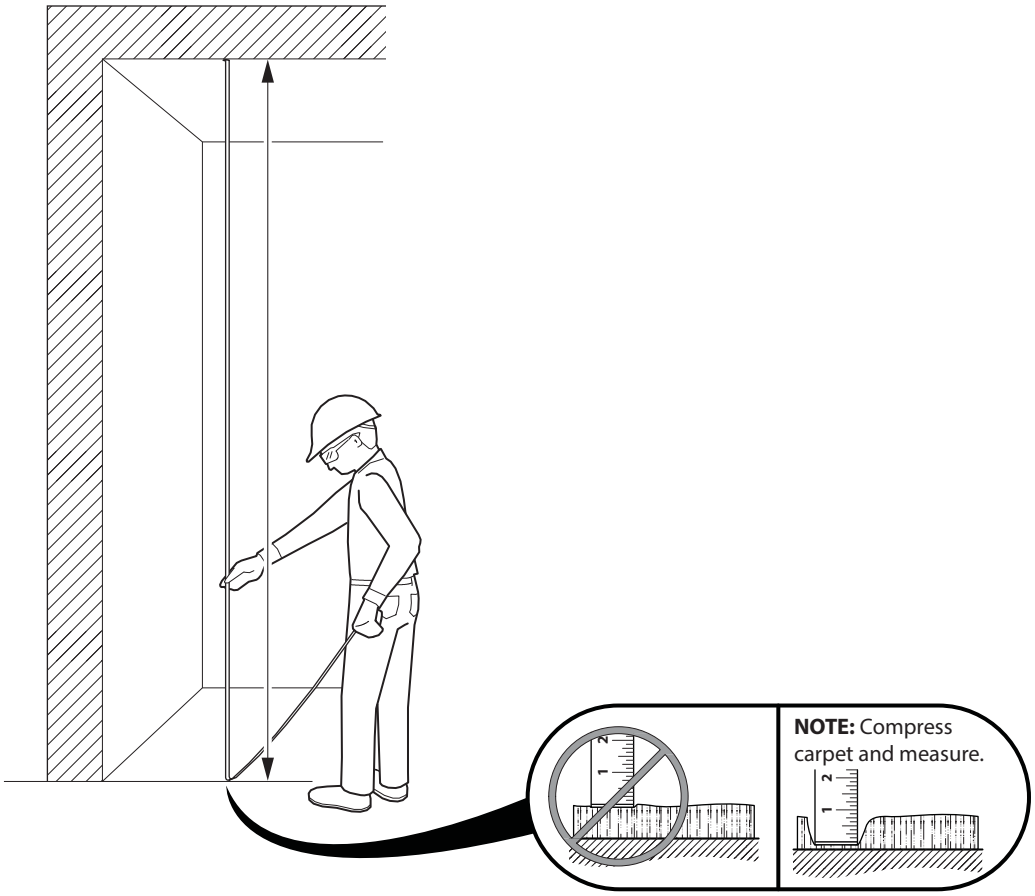
Glass should be staged in order of installation and glass stamps should be marked to assist in quick and proper glass placement.

Measuring

Before measuring the material to be cut ensure that the product that will receive the cut part is square and tight to all corresponding material.

When cutting rails or covers/caps all measurements should be made to the millimeter or a 1/16" of an inch.

All joints should be tight and square to each other. Caps and covers should also be tight to corresponding material with no gaps.



Section 3 - Order of Assembly

Starting Point

There are multiple applications of rails and components that must be installed in a specific order during the installation of Trivati due to the progressive nature of the installation process. Failure to install the components at the right time could result in having to rework part of the installation or difficulty installing the components.

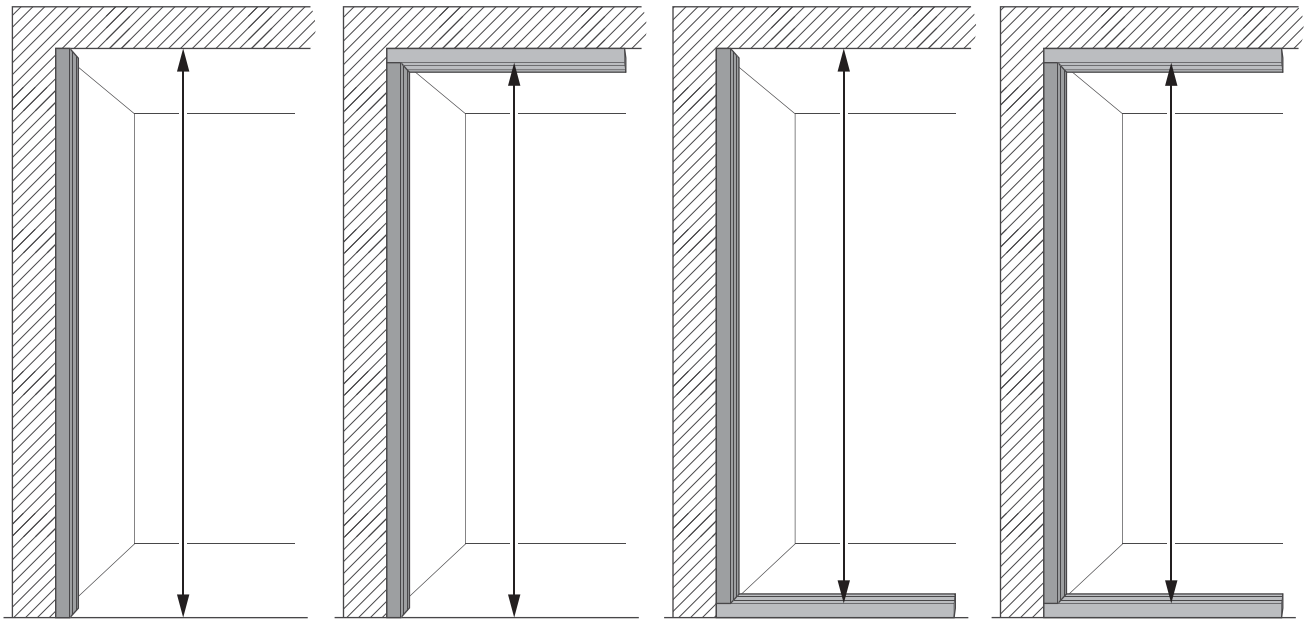
The following are key areas of considerations to avoid these issues.

Layout Review

A thorough review of the installation layout should be conducted prior to the install.

Locations of starters, doors, and transitions should be noted and an installation progression chosen to avoid situations where the installed framework prevents or leaves inadequate spacing for installation of glass panes or tile inserts.

Attention to the elevation views of the layout will highlight the Joint types. This will also help determining the progression of the installation.



Floor-to-Ceiling | Floor-to-Top Rail | Base Rail-to-Ceiling | Base Rail-to-Top Rail

Floor Types

Trivati is capable of, and intended, to be installed on all floor types and substrates.

Due to various floor constructions, the anchoring components are not provided by Haworth. The appropriate fastening components and frequency of attachment should be determined by the site engineer.

Bottom rails may be installed directly on the hard floor surface (recommended) or attached over the floor covering. When attached over a carpeted or similar 'soft' surface, shims are generally required under the bottom rail when anchored to prevent the rail from tilting or sinking into the surface when the weight of the wall inserts are applied. The application of shims is detailed in the Bottom Rails section of this manual.

When taking site measurements during the layout or installation process, variations in floor surface due to unevenness of the floor or the firmness of the floor covering should be taken into account.

Ceiling Types

Due to the variety of ceiling constructions and grid types, multiple fastening solutions are available for ceiling attachment.

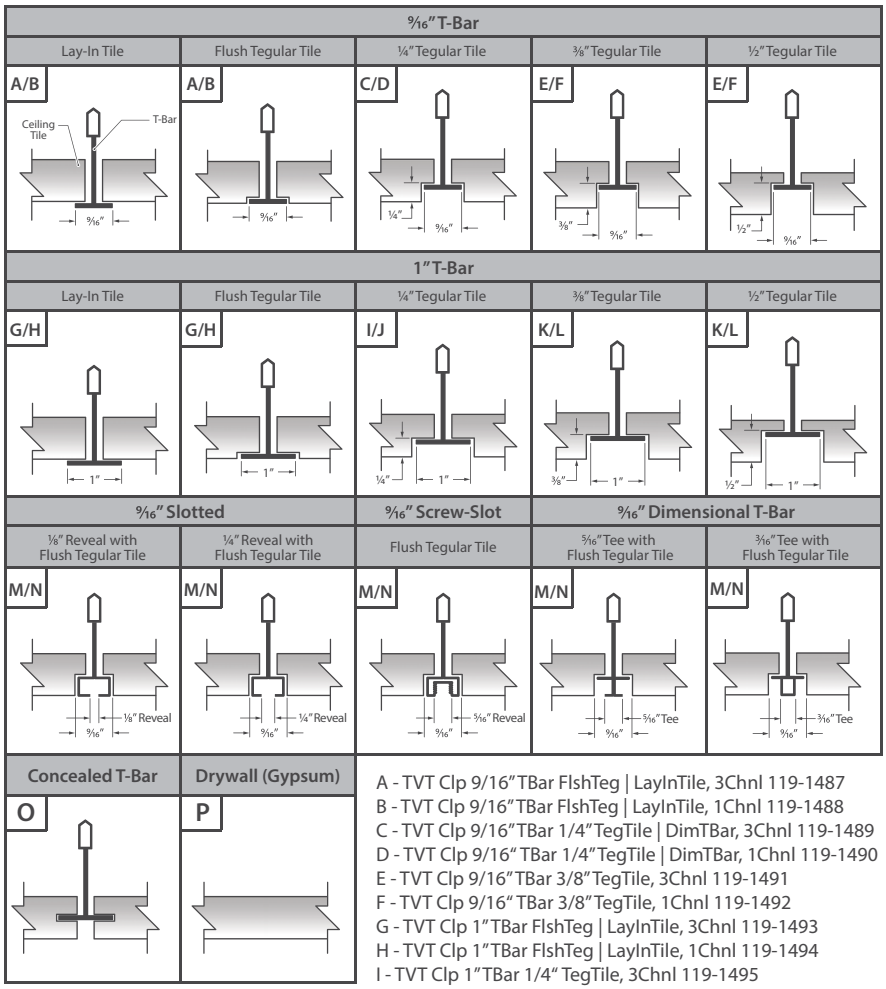
The fastening solution will determine the "ceiling height" point of reference since the top position of the top rail may change depending on the solution.

When taking site measurements during the layout or installation process, ceiling type and fastening solution should be taken into account.

The ceiling height measurement is defined from the top of the finished floor to the lowest surface of the ceiling (this can be the tile, the grid or the gypsum - see chart for reference).

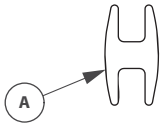
Ceiling Types and Attachment Hardware Kits

Ceiling Grids and Tiles

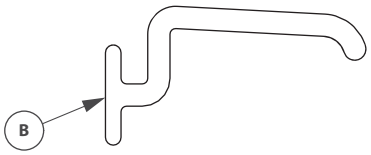


A - TVT Clp 9/16" TBar FlshTeg | LayInTile, 3Chnl 119-1487
B - TVT Clp 9/16" TBar FlshTeg | LayInTile, 1Chnl 119-1488
C - TVT Clp 9/16" TBar 1/4" TegTile | DimTBar, 3Chnl 119-1489
D - TVT Clp 9/16" TBar 1/4" TegTile | DimTBar, 1Chnl 119-1490
E - TVT Clp 9/16" TBar 3/8" TegTile, 3Chnl 119-1491
F - TVT Clp 9/16" TBar 3/8" TegTile, 1Chnl 119-1492
G - TVT Clp 1" TBar FlshTeg | LayInTile, 3Chnl 119-1493
H - TVT Clp 1" TBar FlshTeg | LayInTile, 1Chnl 119-1494
I - TVT Clp 1" TBar 1/4" TegTile, 3Chnl 119-1495
J - TVT Clp 1" TBar 1/4" TegTile, 1Chnl 119-1496
K - TVT Clp 1" TBar 3/8" TegTile, 3Chnl 119-1497
L - TVT Clp 1" TBar 3/8" TegTile, 1Chnl 119-1498
M - TVT Clp 9/16" Slotted | ScrewSlotGrd, 3Chnl 119-1499
N - TVT Clp 9/16" Slotted | ScrewSlotGrd, 1Chnl 119-1500
O - TVT Screw Concealed TBar 119-1501
P - TVT Screw Drywall 119-1502

The number of seals and locations of seals required in framing rails is dependent on the Glass panes and Solid panel inserts application as well as Door locations. Seals should be inserted or removed as needed either before rails are installed or before the rail ends are blocked by other framework.

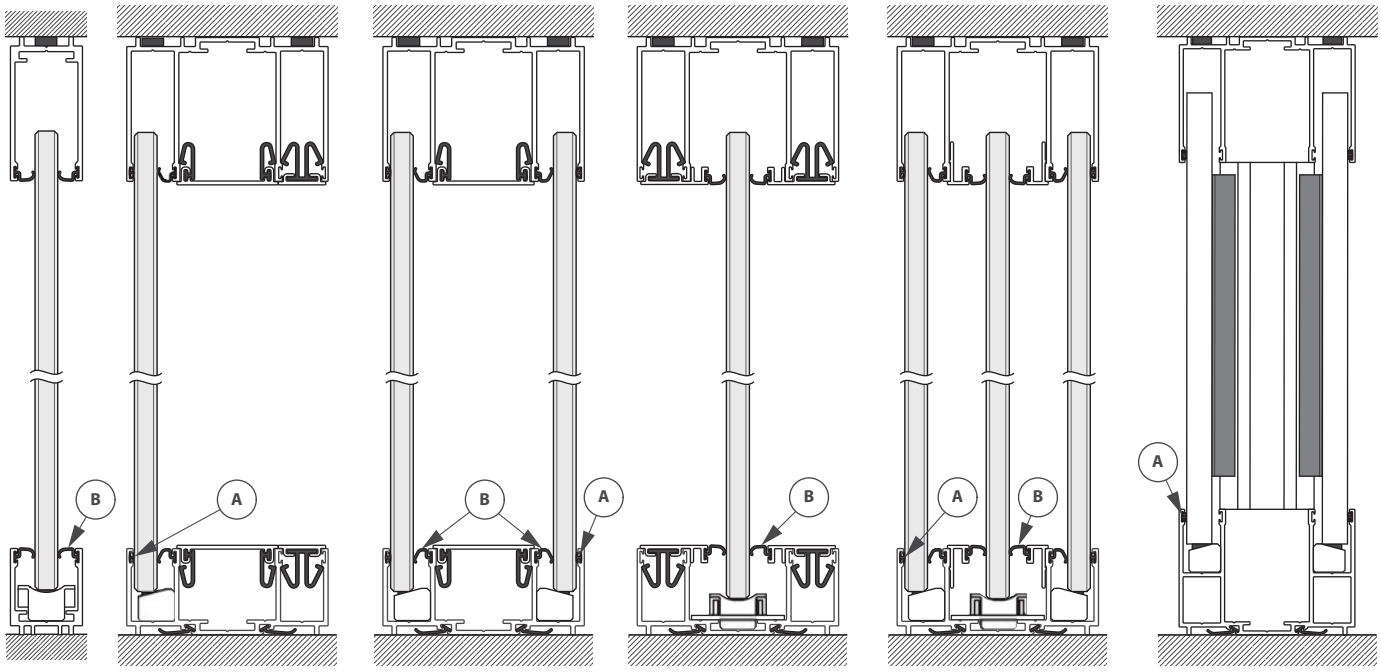


Channel Seal, Insert
119-1463



Channel Pad, Insert
119-1480

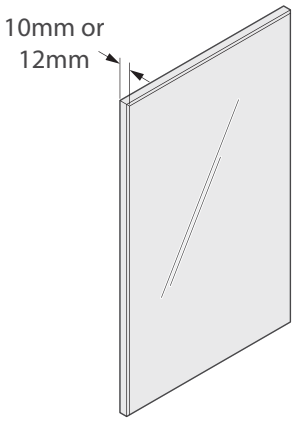
The image below shows typical application of Glass panes and Solid panel inserts.



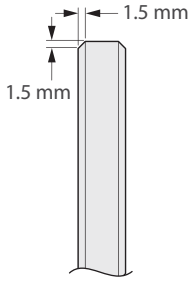
Single Channel | Single Glazed (outer) | Double Glazed | Center Glazed | Triple Glazed | Solid Panels

The panel inserts that make up the wall partitions can have multiple types and finishes.
Panel types can either be Solid or Glass.

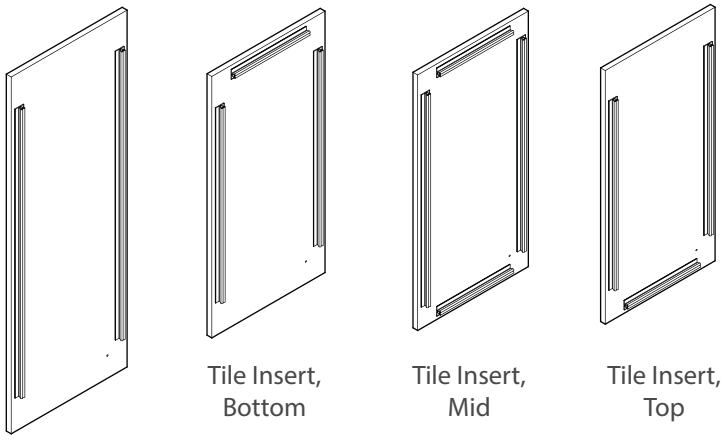
Glass panel types are typically 10mm or 12mm thick. For glass types, finishes and panel size, refer to the layout to ensure they are installed in the correct orientations and locations.



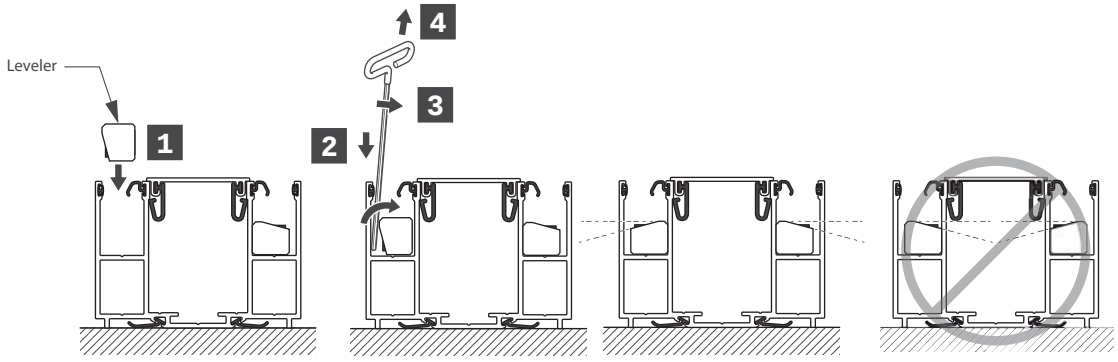
Note: Glass panels are not a catalogue item and are to be ordered localy. For best results with the Glazing Connectors, all glass edges are to be beveled to 1.5mm (1/16").



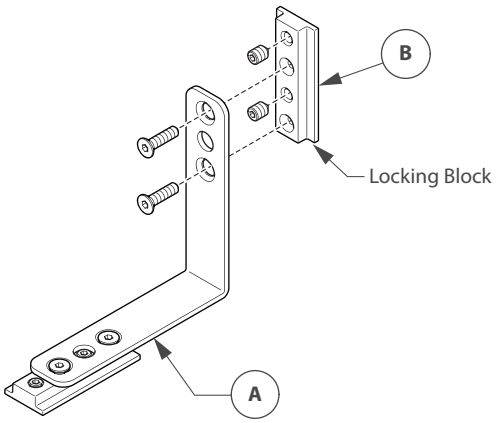
Solid Panel types are typically finshed in Veneer Wood, High-Pressure Laminate or TFL (Melamine). Solid panels are defined either as Full Height insert, Top insert, Mid insert or a Bottom insert. The last three options are typically used in segmented or combination wall applications.



Levelers, for the outer channels of the bottom rails, are used to support and level Glass and Solid panels. For single or double insert conditions, they are easiest to slide in from the ends of the rails before they are covered by other framework. If necessary they can be inserted into the channels after the rail ends are blocked. See steps below for that situation. Reverse these steps to also remove a leveler if required.

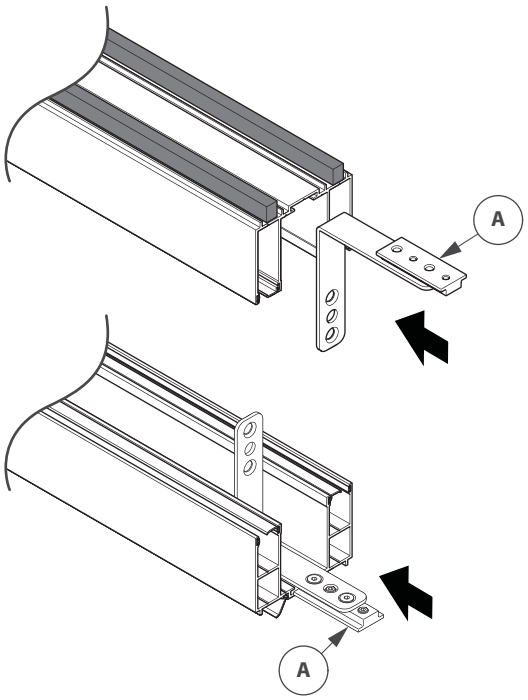


The Locking Blocks of the Rail Bracket Kit, Vert-Horz must be slid into the rail slots prior to the rails being anchored to the floor or walls or attached to one another. Pre-planning and understanding how many are needed and in which orientation they should be inserted is critical to a smooth installation.

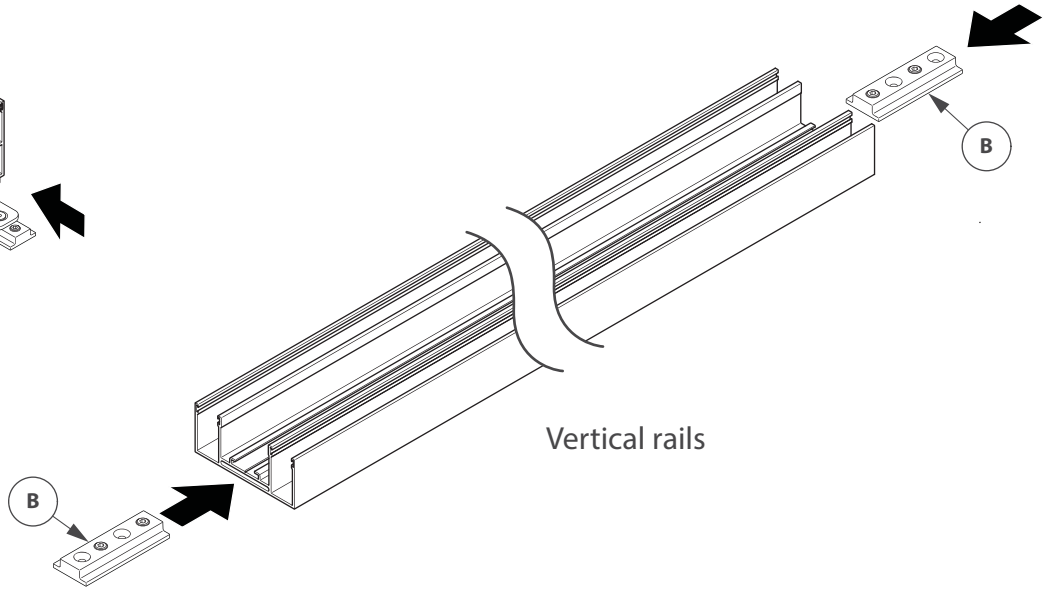


Rail Bracket Kit, Vert-Horz
119-1479

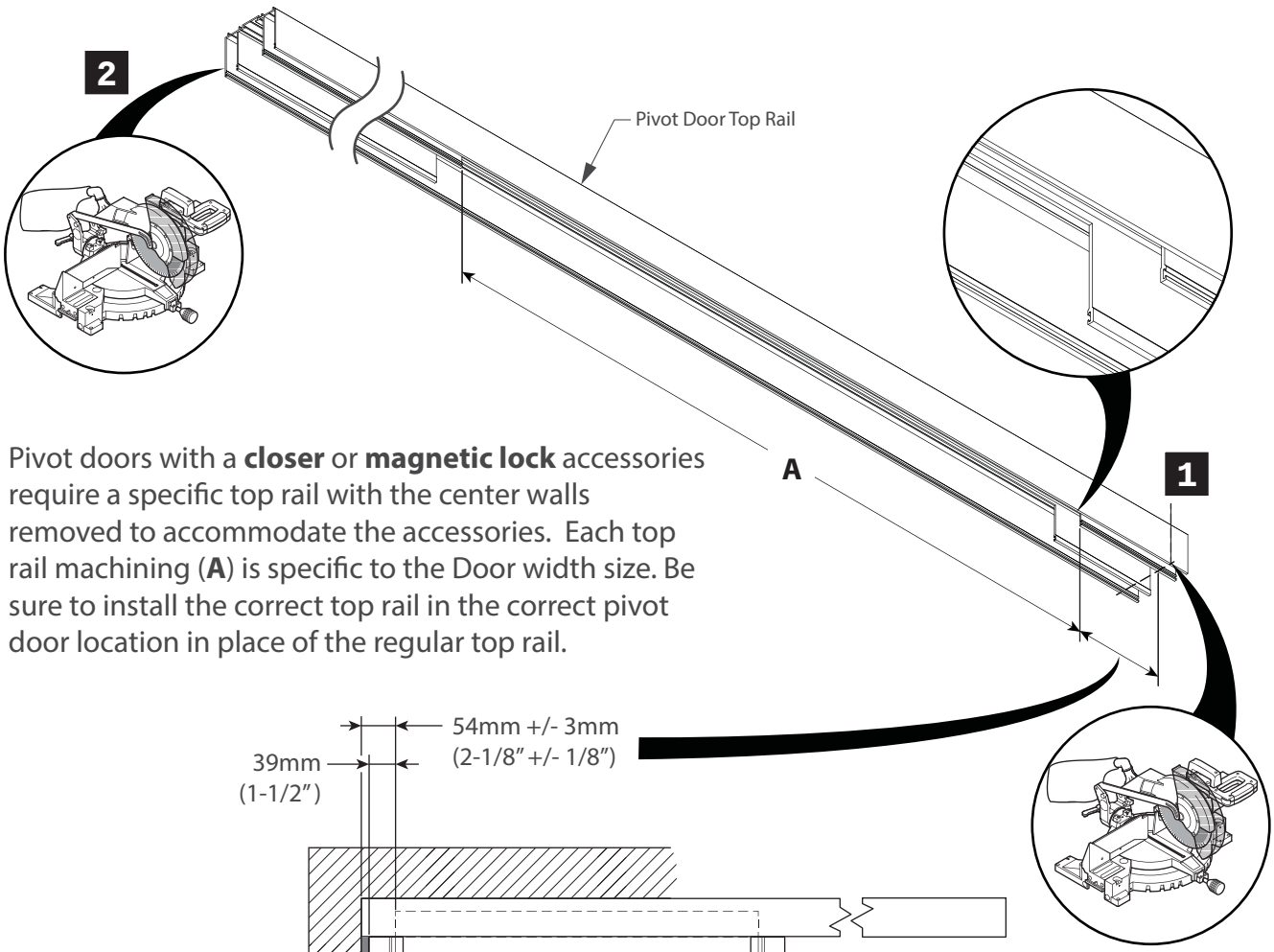
It is recommended to install the assembled Bracket and Locking Block (A) into the Top and Bottom rails and the removed Locking Block (B) into the Vertical rails as shown below.



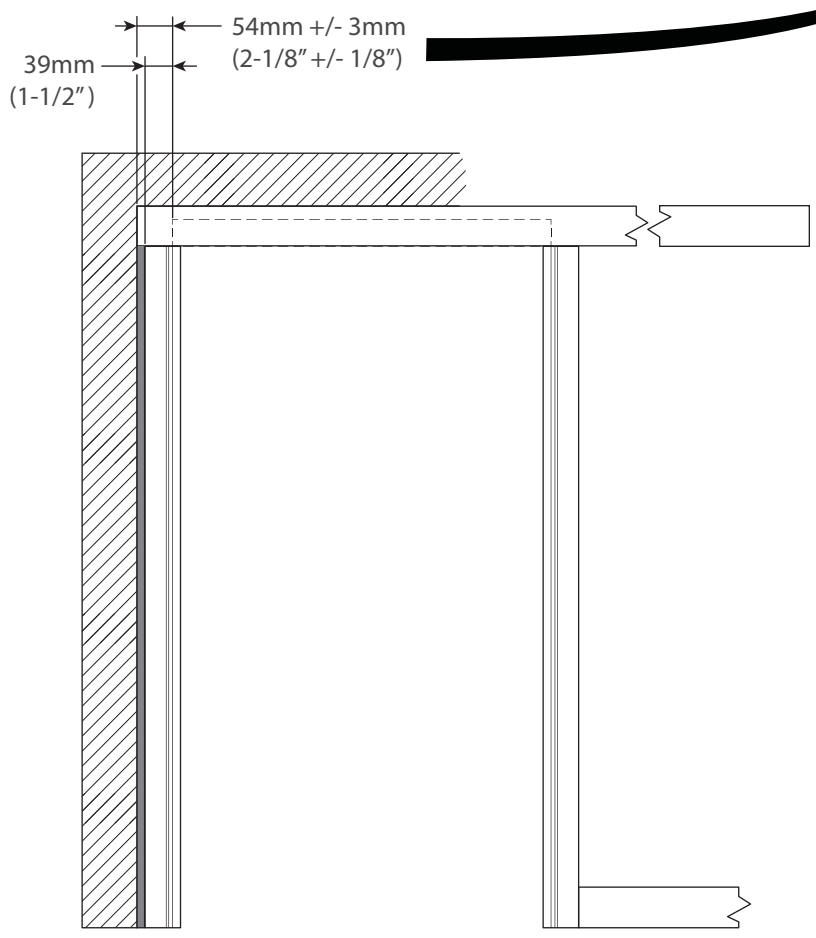
Top and Bottom rails



Vertical rails



Pivot doors with a **closer** or **magnetic lock** accessories require a specific top rail with the center walls removed to accommodate the accessories. Each top rail machining (**A**) is specific to the Door width size. Be sure to install the correct top rail in the correct pivot door location in place of the regular top rail.

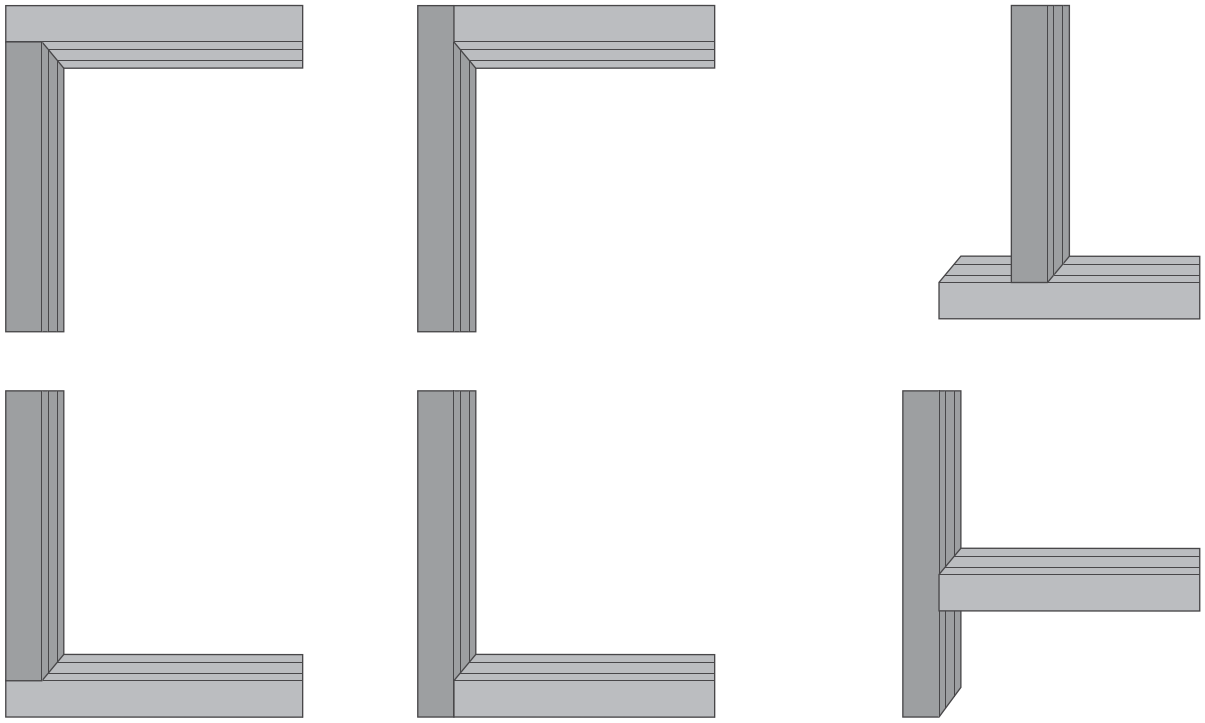


Typical Wall Start Application

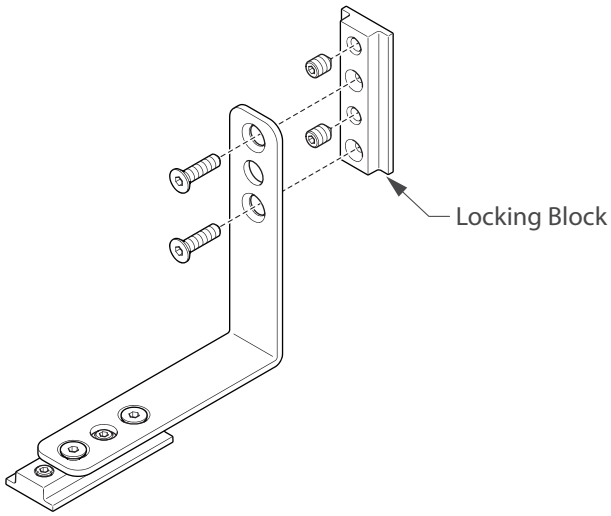
Section 4 - Rail Joint Types

Horizontal / Vertical Joints

Applies to 1 Channel
and 3 Channel Rails

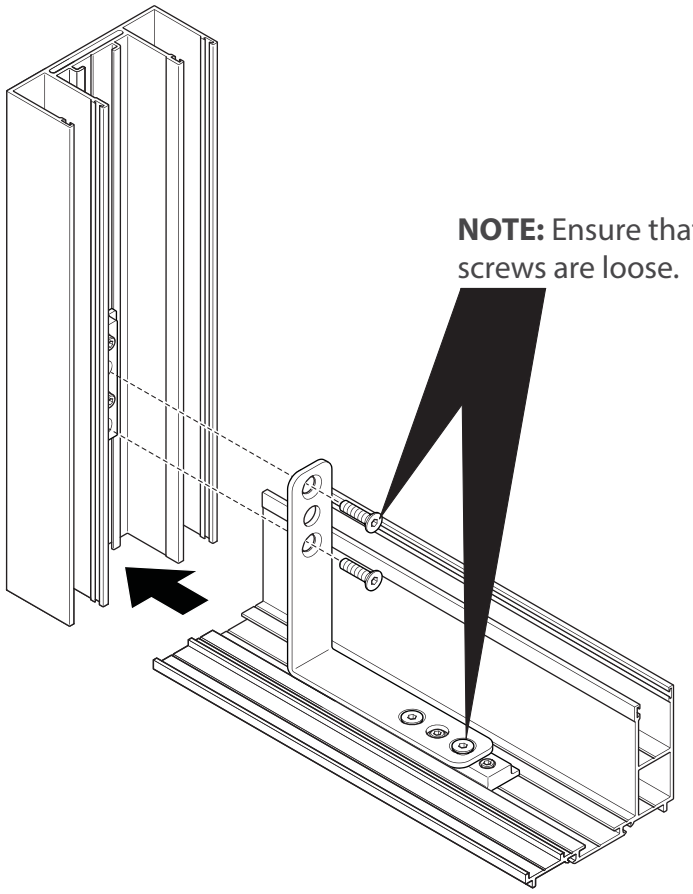


Required Bracket Kit

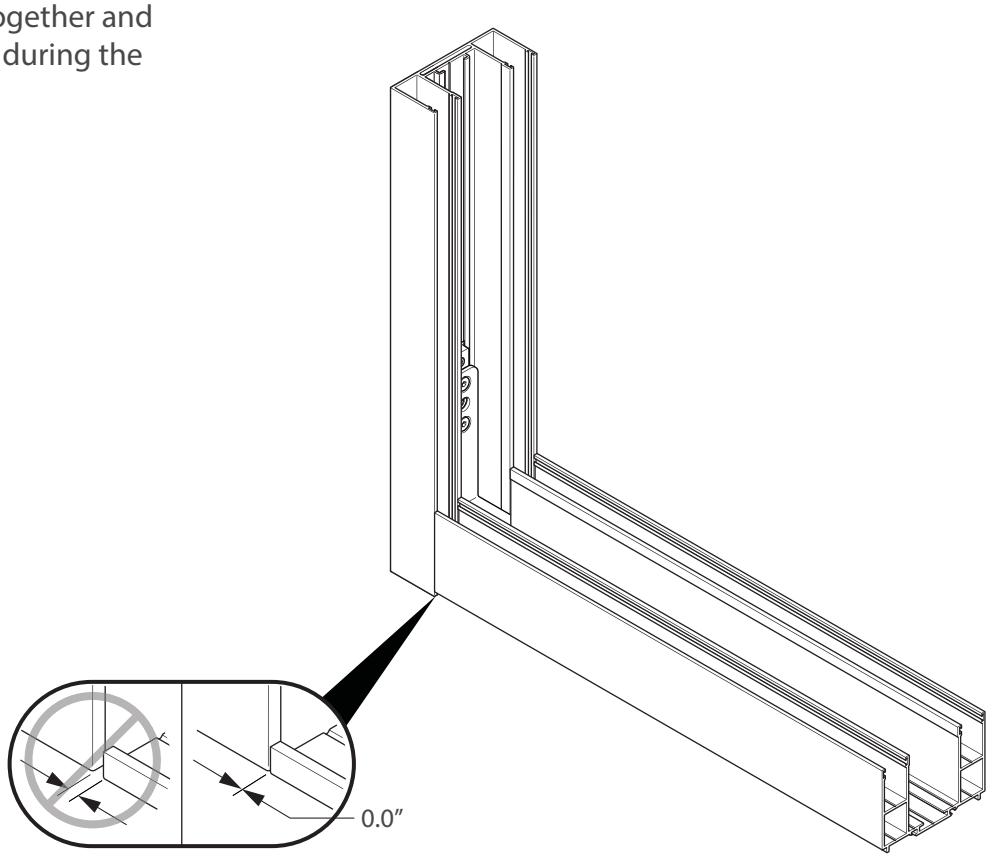


Rail Bracket Kit, Vert-Horz
119-1479

1



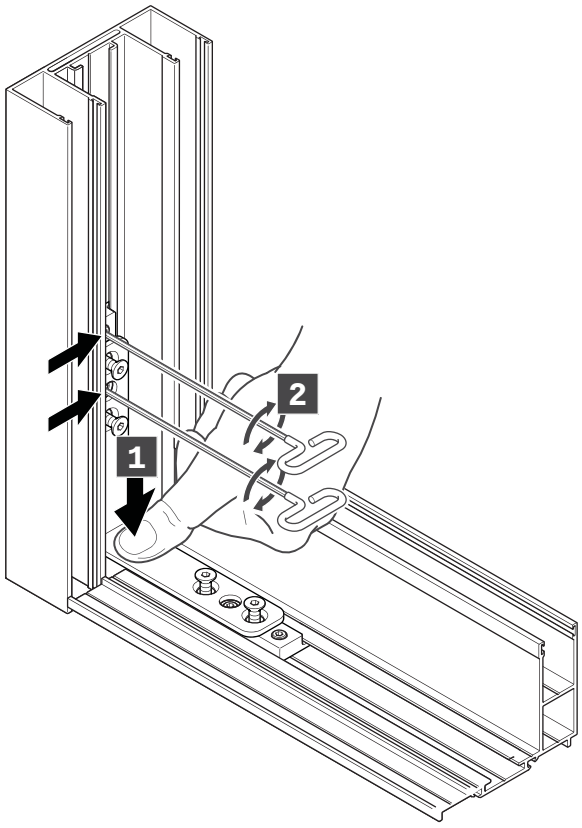
Pull rails tight together and hold alignment during the following steps.



2

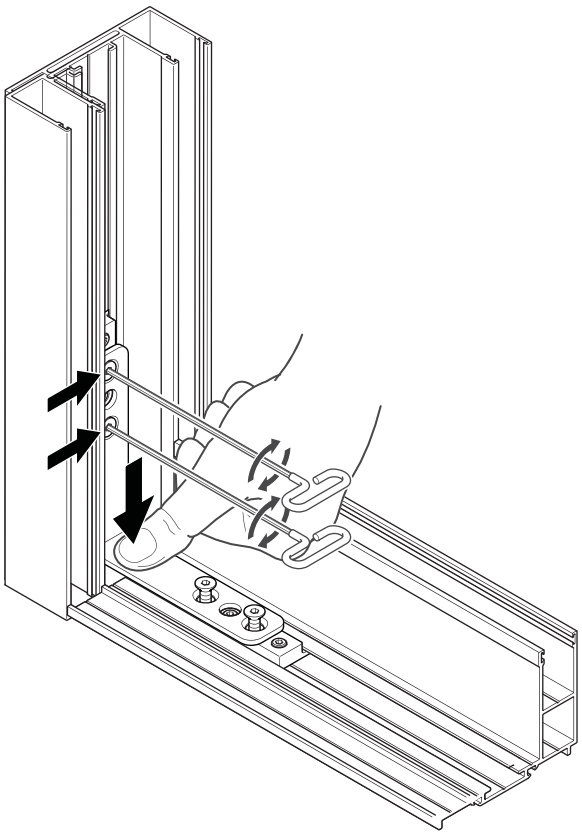
1) Push bracket into corner.

2) Tighten set screws (2) on the block that is parallel to the seam line.



3

Tighten flat head screws (2) on the block that is parallel to the seam line.

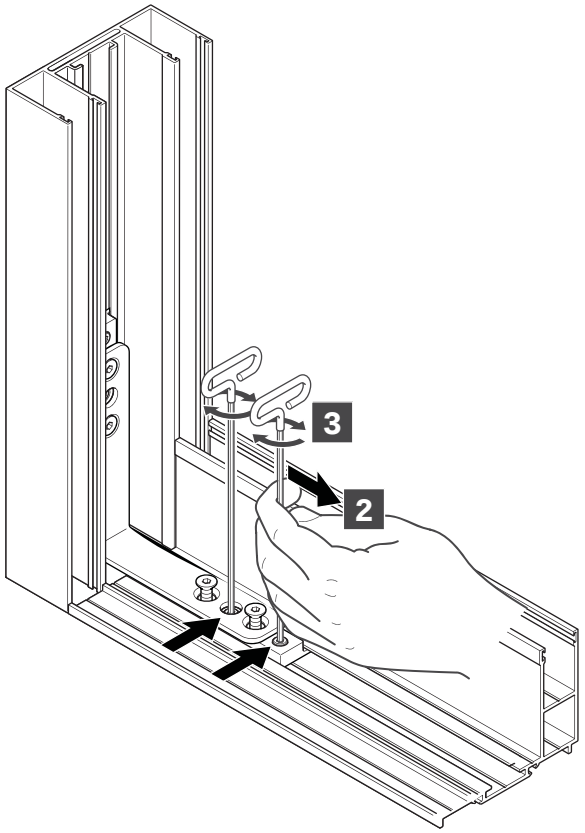


4

1) Ensure that flat head screws (2) on the block that is perpendicular to the joint line are loose.

2) Pull block block that is perpendicular to the seam line away from the seam line.

3) Tighten set screws (2) on the block that is perpendicular to the seam line

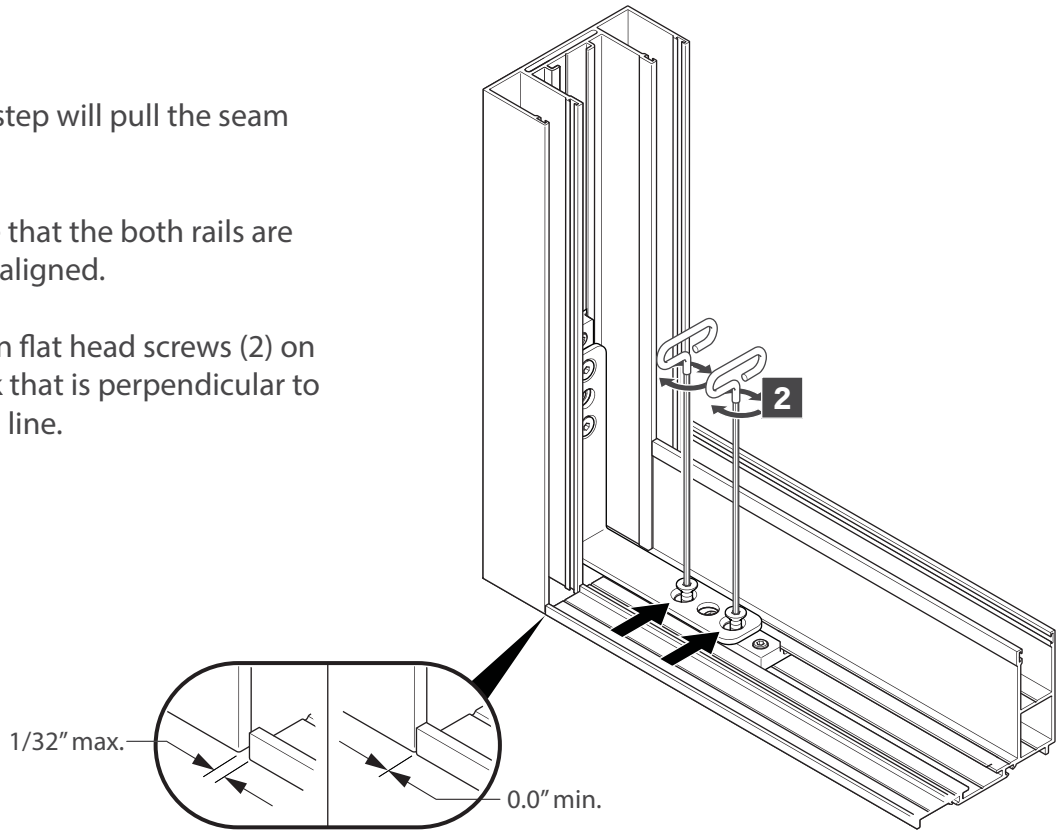


5

This last step will pull the seam tightly.

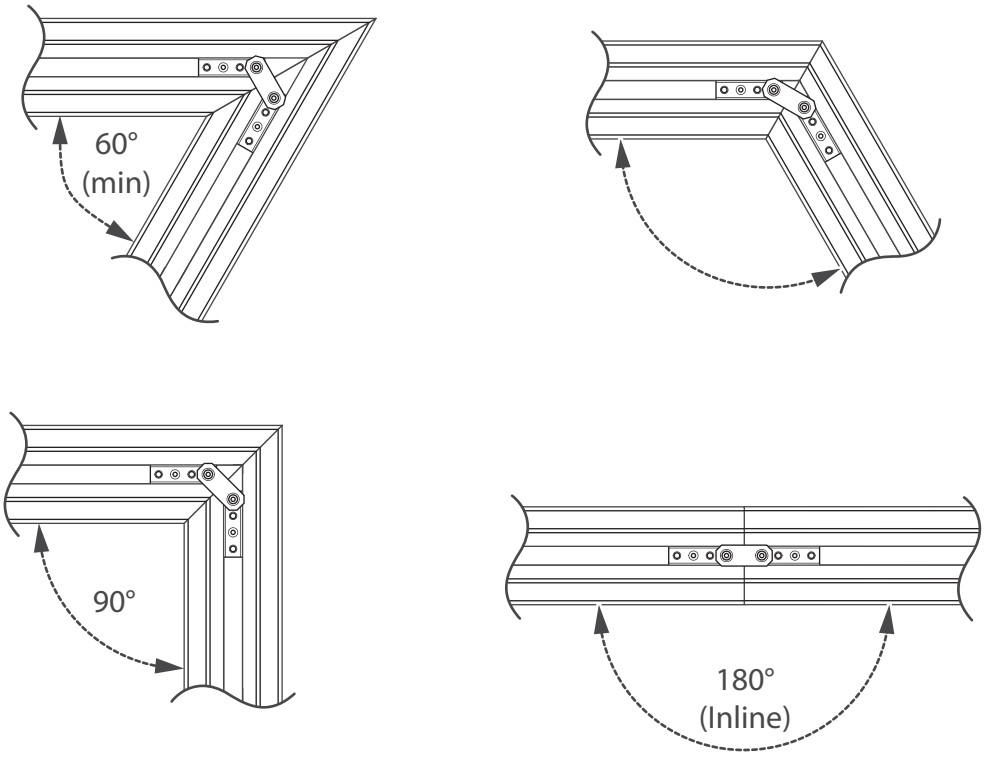
1) Ensure that the both rails are properly aligned.

2) Tighten flat head screws (2) on the block that is perpendicular to the seam line.

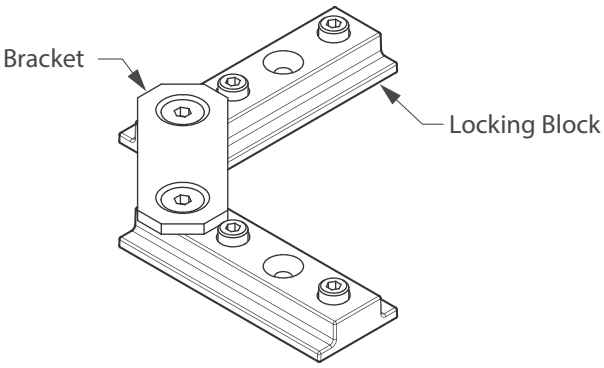


Inline & Variable Angle Joints

Applies to 1 Channel and
3 Channel Horizontal Rails



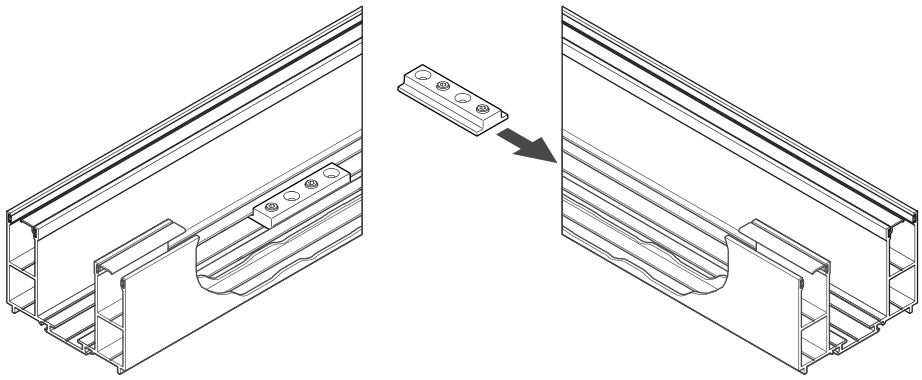
Required Bracket Kit



Rail Bracket Kit, 2 Way
119-1482

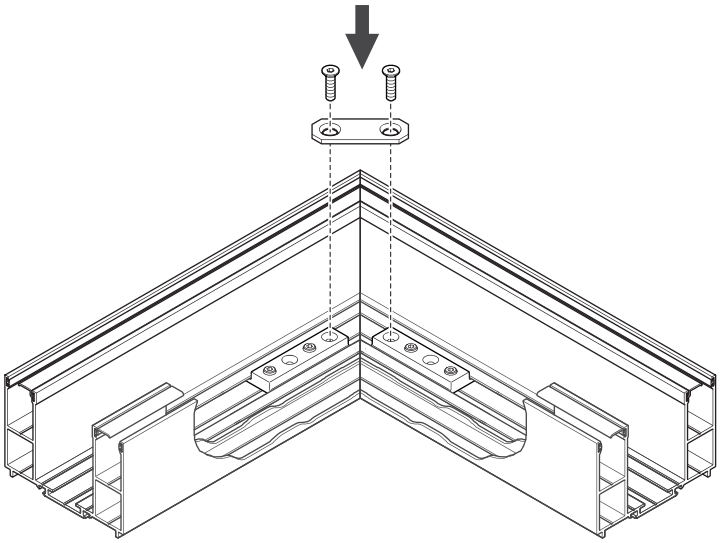
1

Slide a Locking Block into each rail.



2

Loosely engage the flat head screws (2) to the Locking Block to hold the Bracket in place. Position the Rail Bracket Kit Assembly so that the Bracket is approxiamtely centered over the seam.



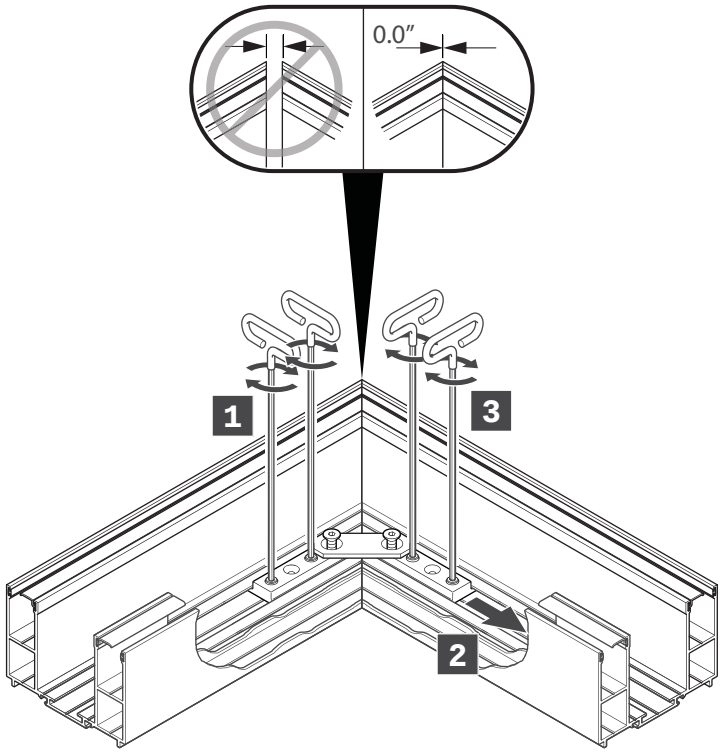
3

Pull rails tight together and hold alignment during the following steps.

1) Tighten the set screws (2) on one of the Locking Blocks.

2) Pull the other Locking Block away from the seam.

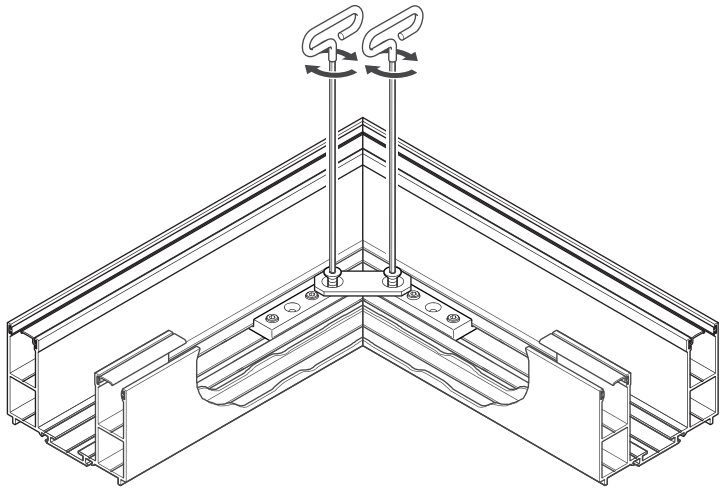
3} Tighten the set screws (2) on the other Locking Block in its pulled away position.



4

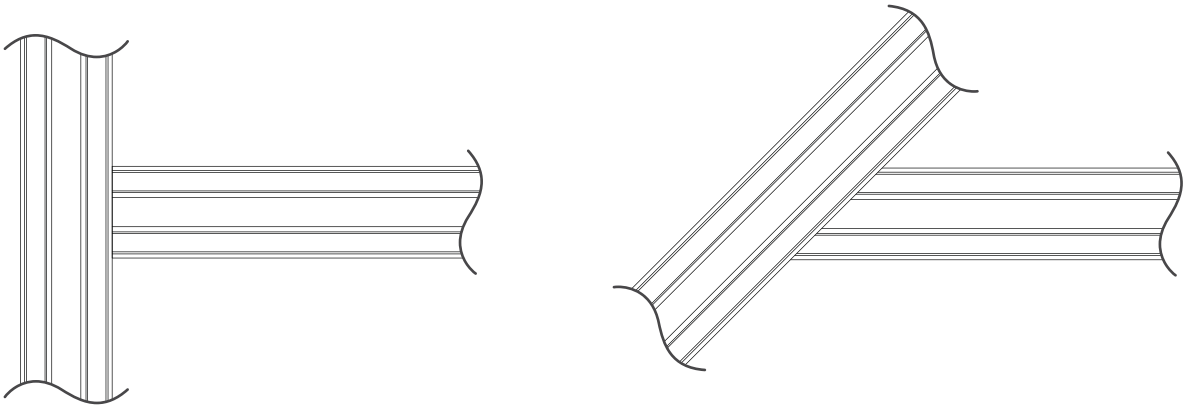
This last step will pull the seam tightly.

Ensure that the both rails are properly aligned. Tighten the flat head screws (2) to pull the seam together.

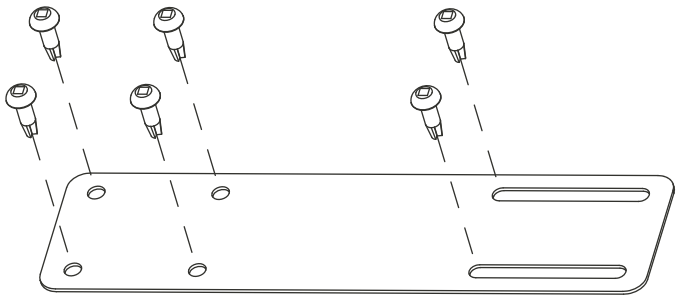


3 Way Off Module Joints

Applies to 3 Channel
Horizontal Top Rails



Required Bracket Kit



Rail Bracket Kit, 3 Way, Off Module
119-1483

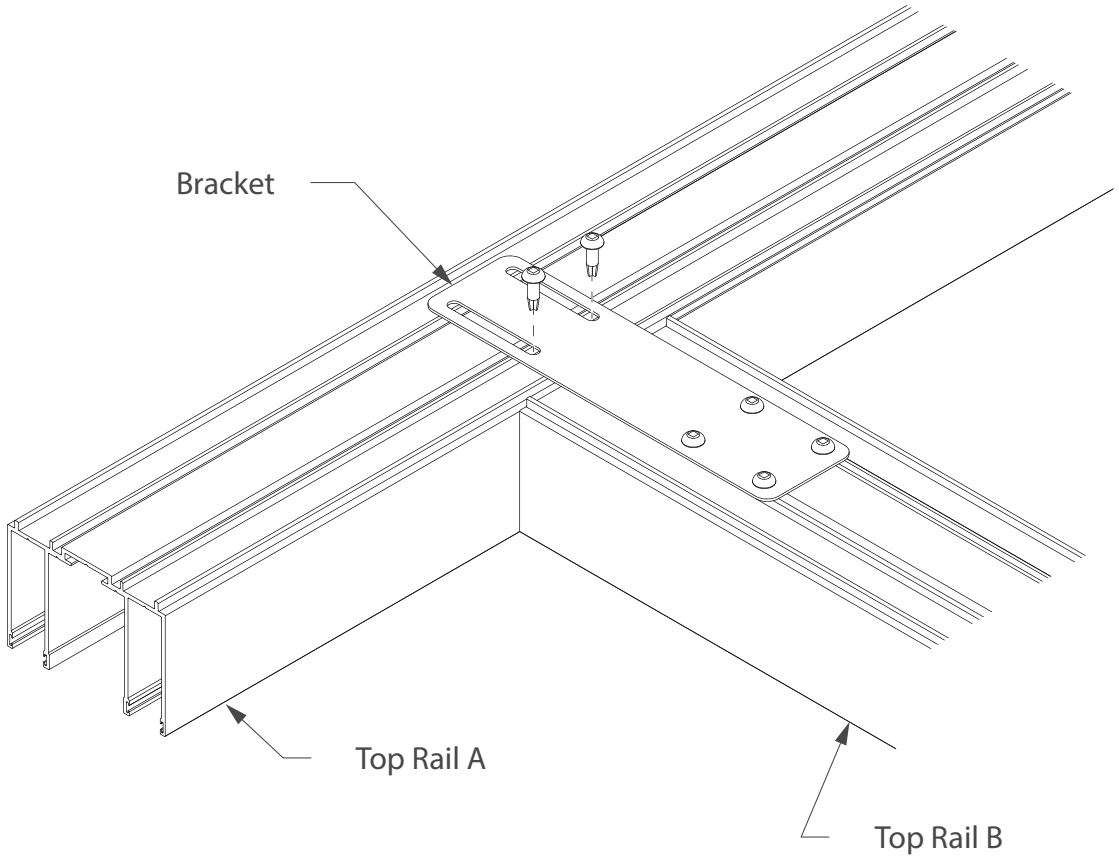
1

1) Position Bracket to ensure the slots are over the screw channels of Top Rail A and the holes are over the screw channels in Top Rail B.

2) Screw Bracket into Top Rail B using (4) screws though holes.

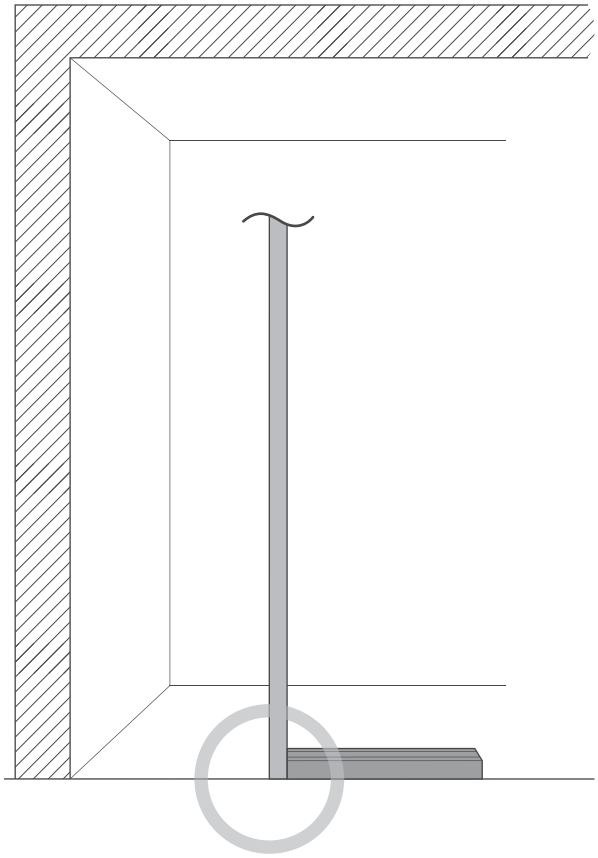
3) Ensure Top Rail B is firmly against Top Rail A.

4) Screw Bracket into Top Rail A using (2) screws though slots.

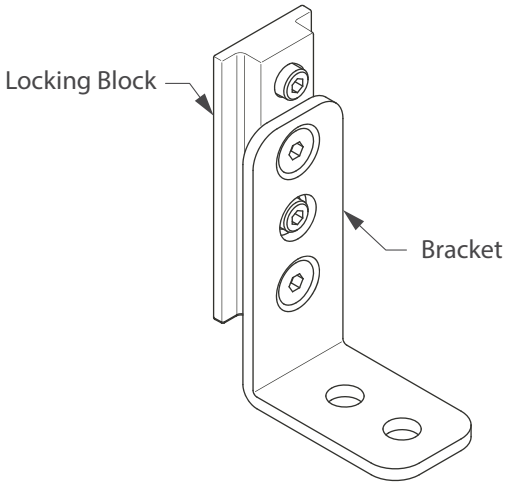


Inline Door Frame Type Joint

Applies to any Vertical Transition Rail requiring attachment to a fixed floor.



Required Bracket Kit



Rail Bracket Kit, Inline Door Fr
119-1481

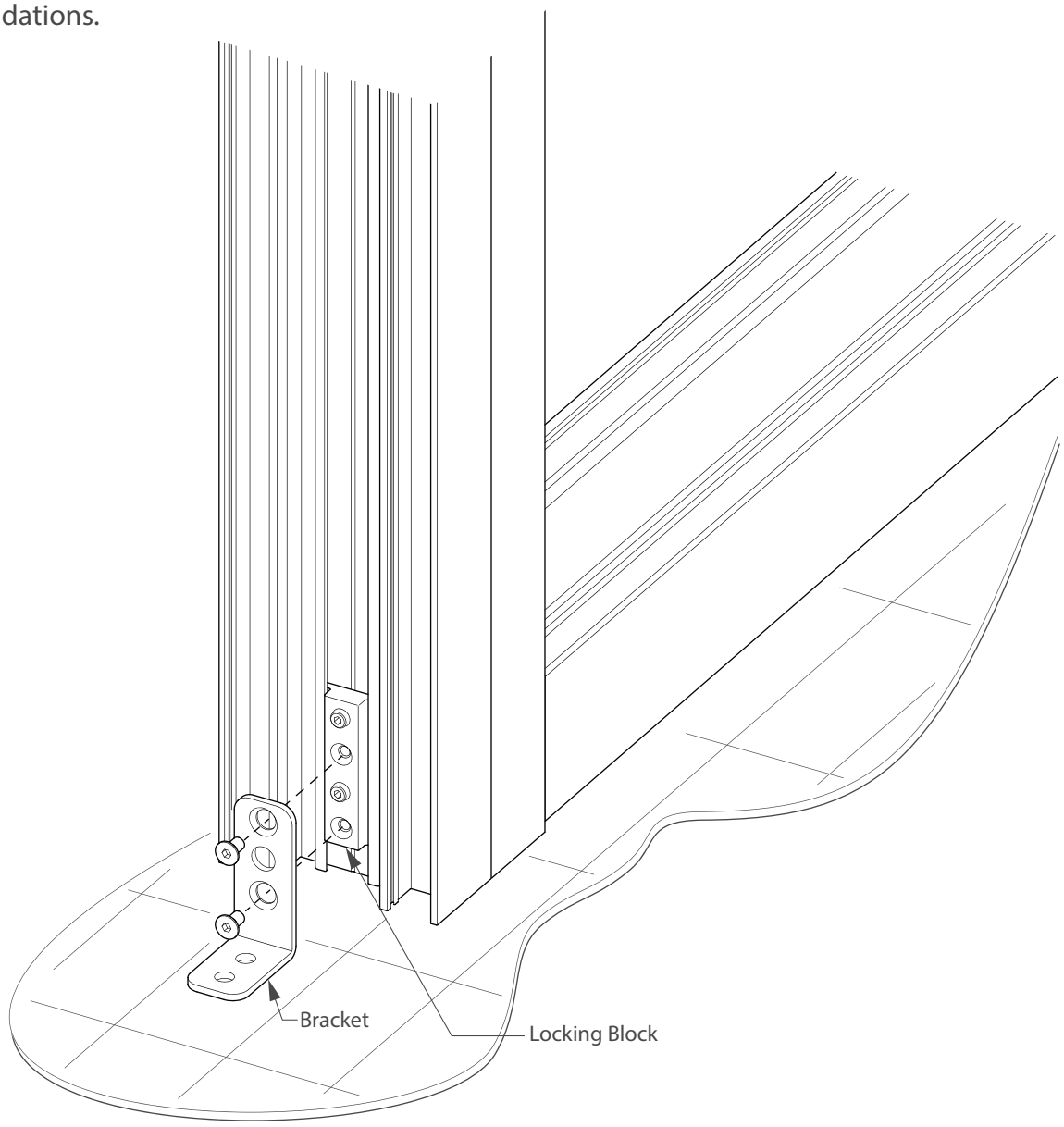
1

1) Position Locking Block in the Vertical Rail.

2) Screw Bracket to Locking Block using (2) flat head screws.

3) Fasten Bracket to floor using recommended fastener and anchor.

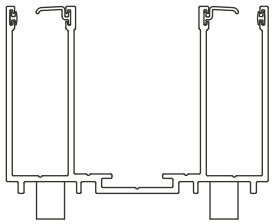
WARNING: Appropriate fasteners and anchors must be used to attach any Bracket to the floor. Due to various floor constructions, fasteners and anchors are not provided by Haworth. Consult with the customer appointed engineer for fastener recommendations.



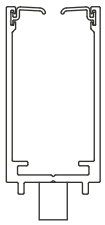
Section 5 - Starter Rails

Rail Types

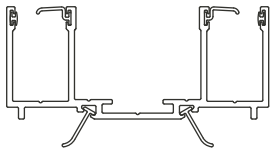
Rail, Top|Starter, 3Chnl, 2.5″
119-1434



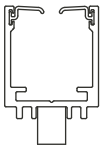
Rail, Top|Starter, 1Chnl, 2.5″
119-1435



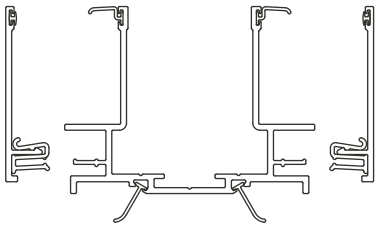
Rail, Bottom|Starter, 3Chnl, 1.5″
119-1438



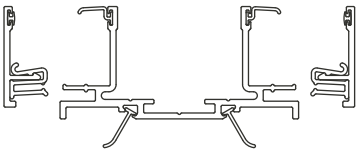
Rail, Bottom|Starter, 1Chnl, 1.5″
119-1439



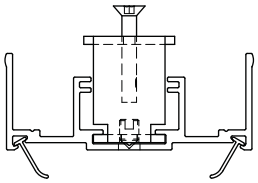
Rail, Starter w/Trim, 3Chnl, 2.5″
119-1446



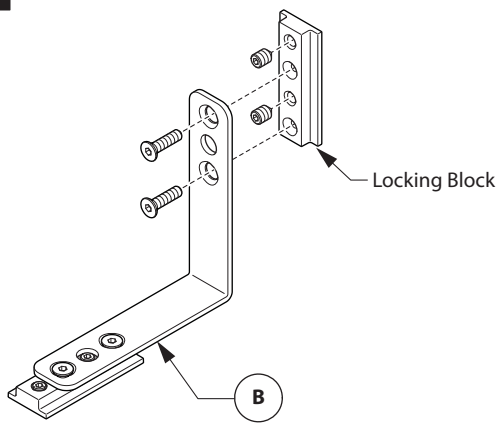
Rail, Starter w/Trim, 3Chnl, 1.5″
119-1484



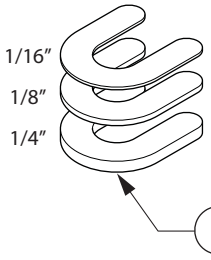
Rail, Starter, Dr Fr, 3Chnl
120-5312



Supporting Components

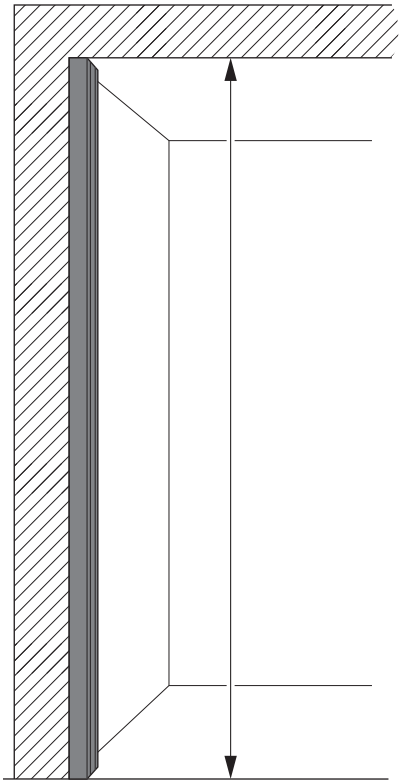


Rail Bracket Kit, Vert-Horz
119-1479

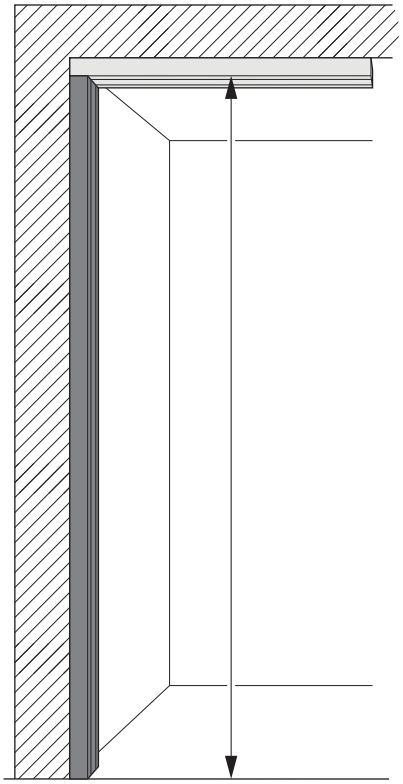


Shim Kit, U
119-1473

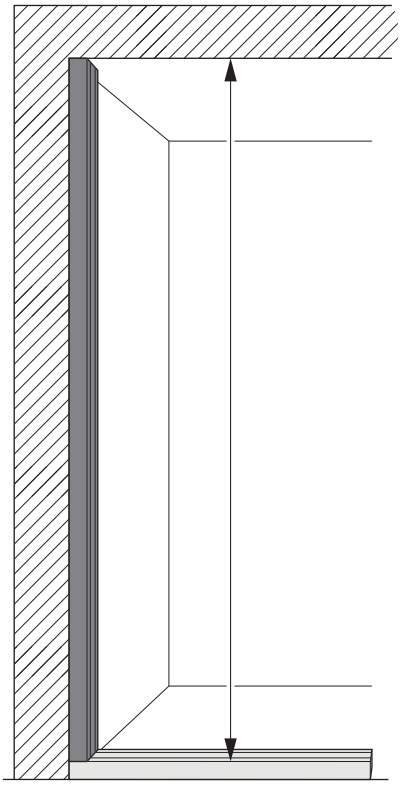
Prep Work:
Remove (1) Locking Block from each Rail Bracket assembly required. Keep Locking Block and Screws together for future use.



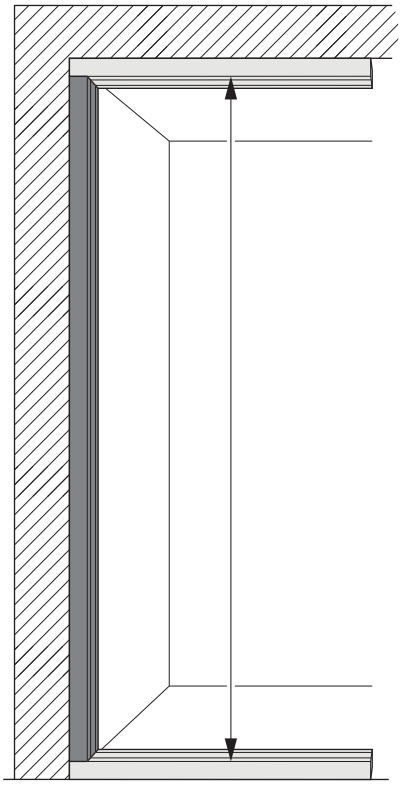
Floor-to-Ceiling
(Vertical)



Floor-to-Top Rail
(Vertical)

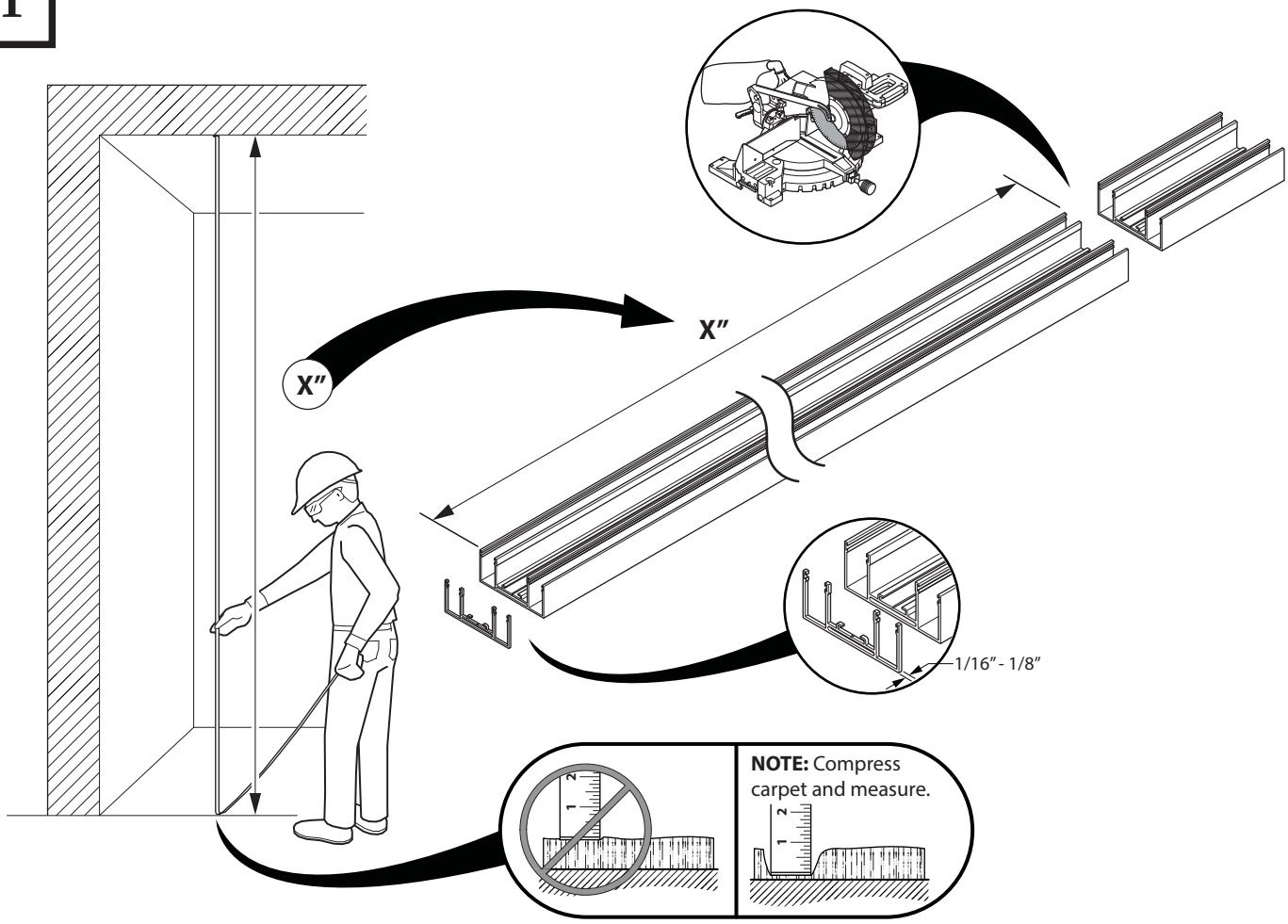


Base Rail-to-Ceiling
(Vertical)



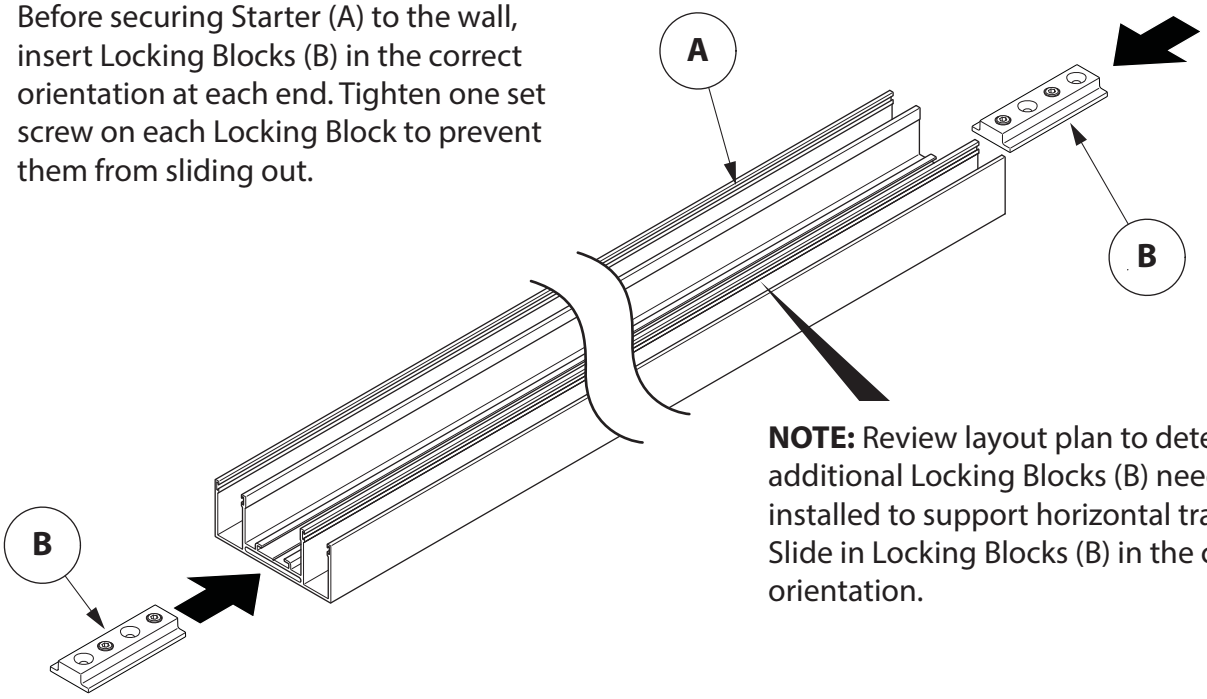
Base Rail-to-Top Rail
(Vertical)

1



2

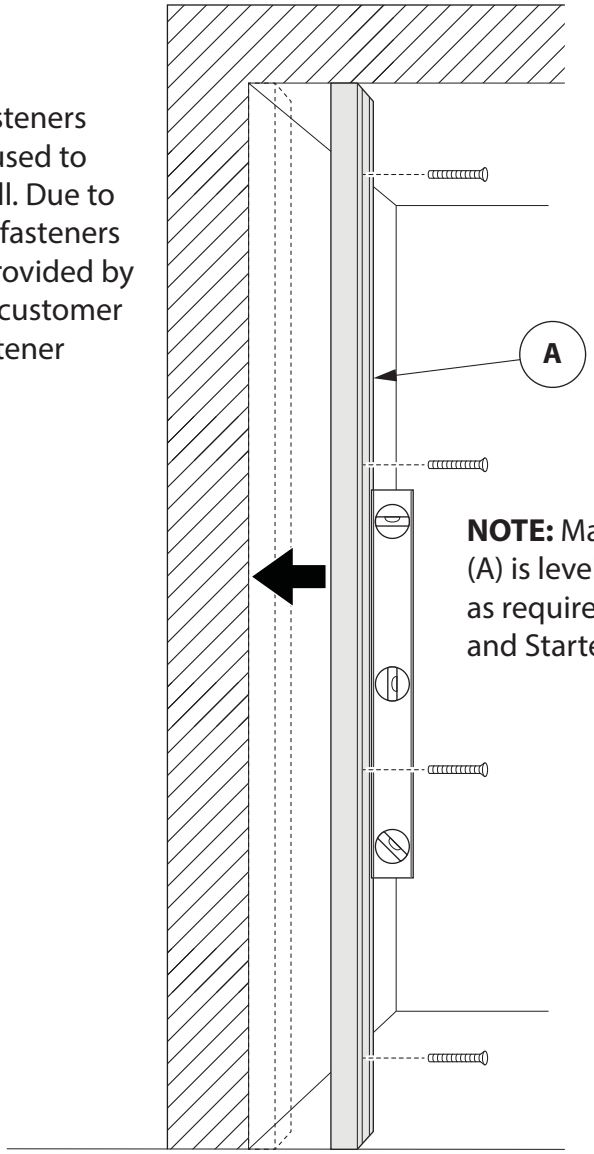
Before securing Starter (A) to the wall, insert Locking Blocks (B) in the correct orientation at each end. Tighten one set screw on each Locking Block to prevent them from sliding out.



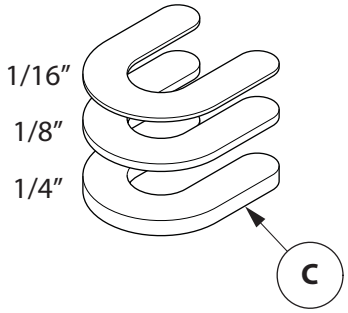
NOTE: Review layout plan to determine if additional Locking Blocks (B) need to be installed to support horizontal transitions. Slide in Locking Blocks (B) in the correct orientation.

3

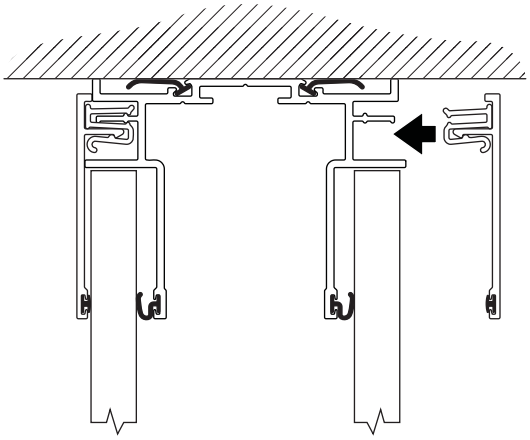
WARNING: Appropriate fasteners and wall anchors must be used to attach Starter (A) to the wall. Due to various wall constructions, fasteners and wall anchors are not provided by Haworth. Consult with the customer appointed engineer for fastener recommendations.



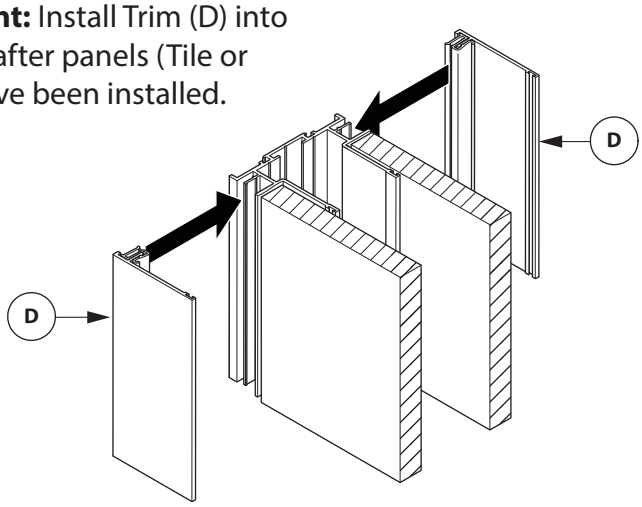
NOTE: Make sure Starter (A) is level. Use Shims (C) as required between Wall and Starter.



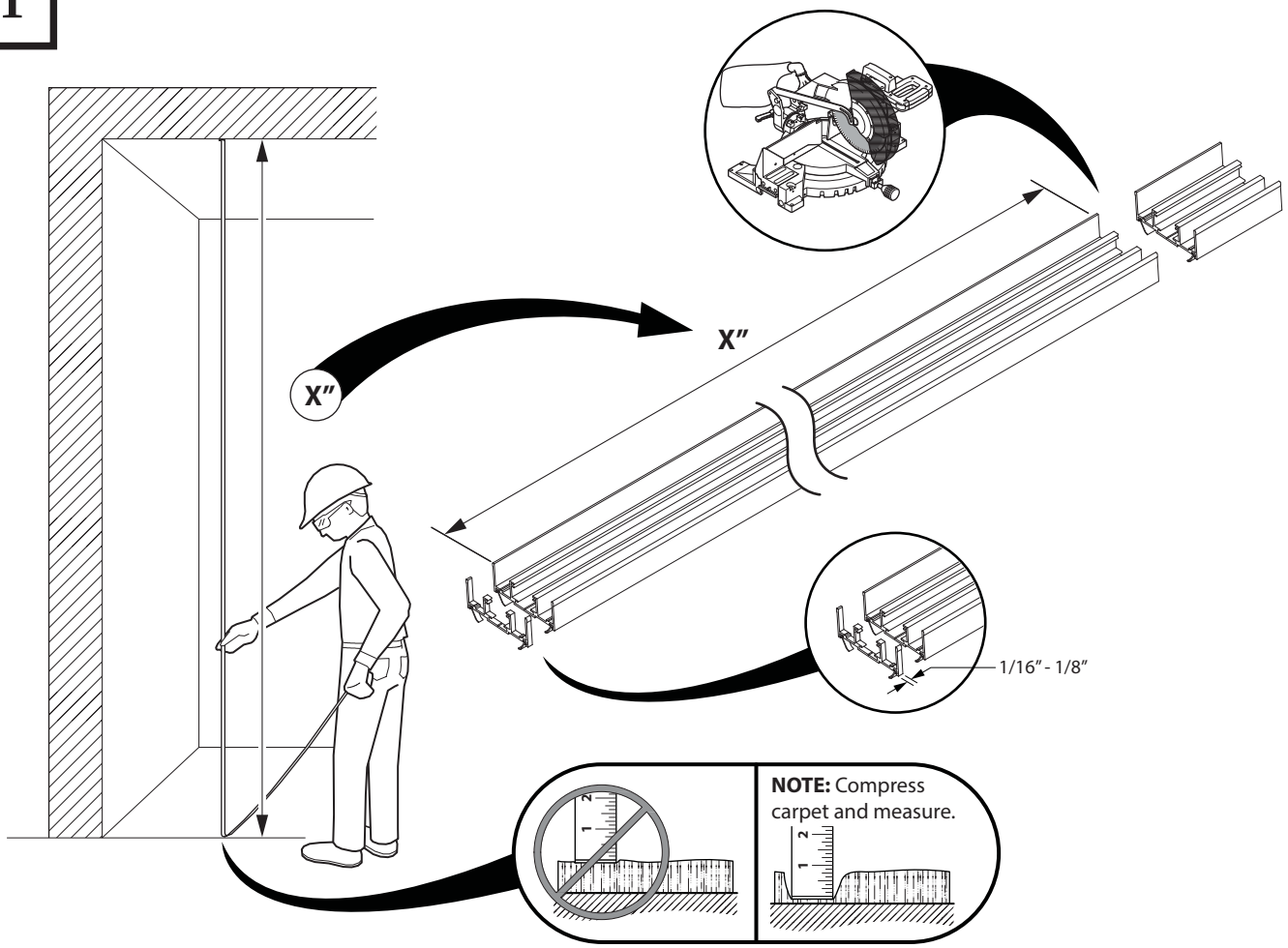
Options: Starters w/ Trim (1.5″ or 2.5″)



Important: Install Trim (D) into position after panels (Tile or Glass) have been installed.

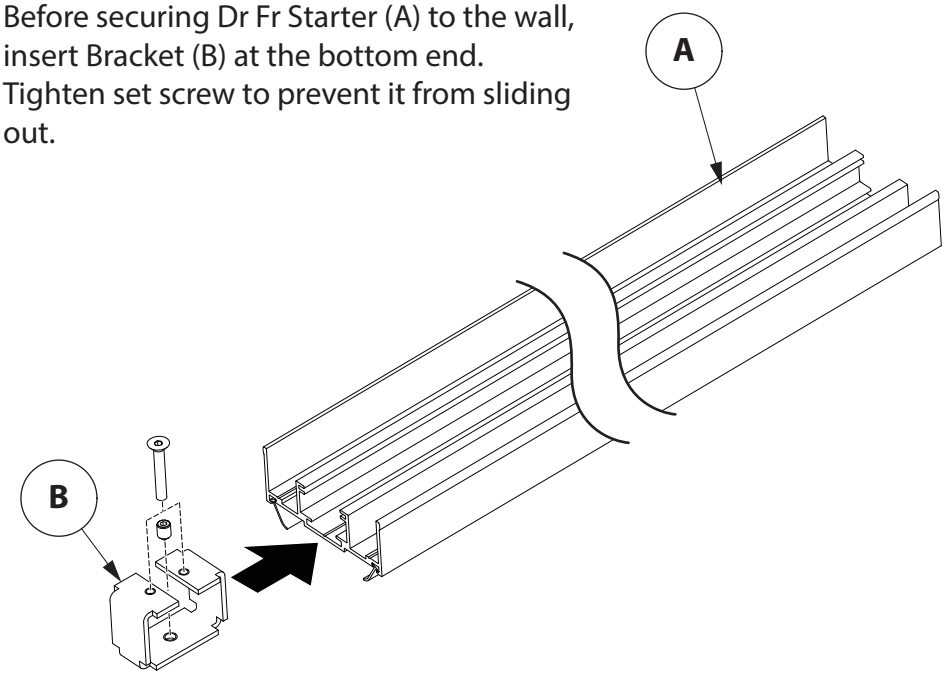


1



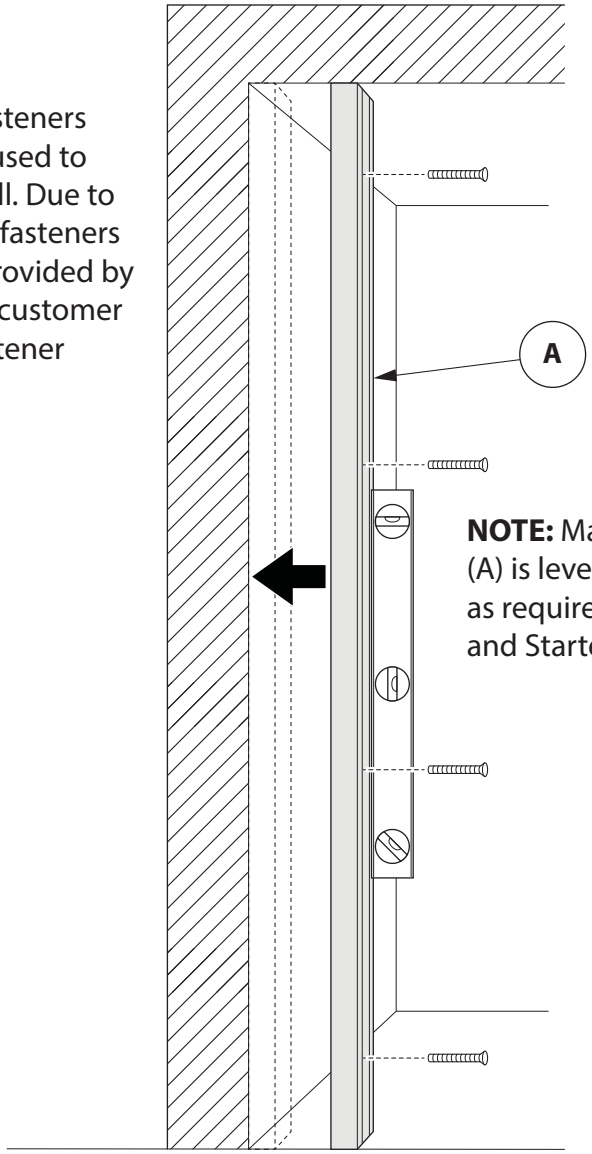
2

Before securing Dr Fr Starter (A) to the wall, insert Bracket (B) at the bottom end. Tighten set screw to prevent it from sliding out.

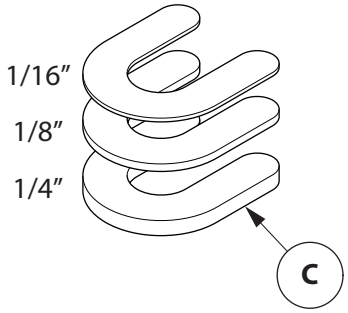


3

WARNING: Appropriate fasteners and wall anchors must be used to attach Starter (A) to the wall. Due to various wall constructions, fasteners and wall anchors are not provided by Haworth. Consult with the customer appointed engineer for fastener recommendations.

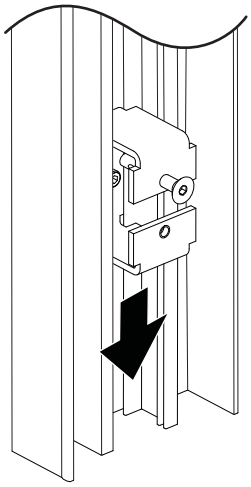


NOTE: Make sure Starter (A) is level. Use Shims (C) as required between Wall and Starter.



4

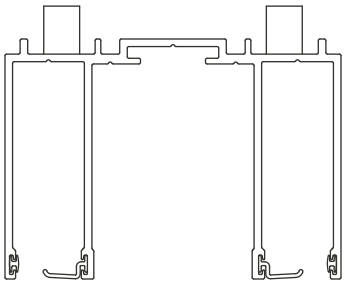
Prior to door jamb assembly, release set screw to lower Bracket (B) to the floor. Tighten set screw to lock Bracket (B) in position.



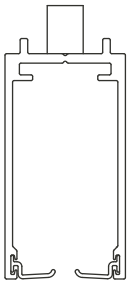
Section 6 - Top Rails

Rail Types

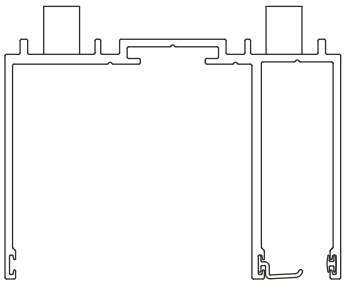
Rail, Top|Starter, 3Chnl, 2.5”
119-1434



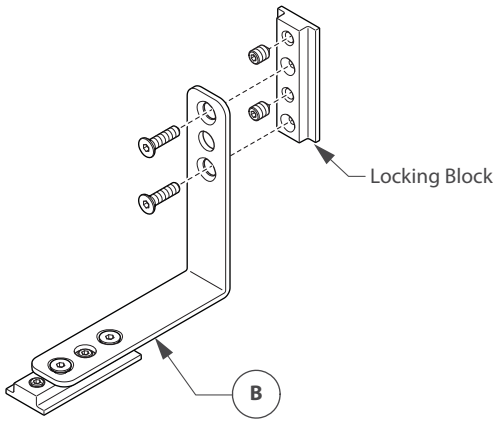
Rail, Top|Starter, 1Chnl, 2.5”
119-1435



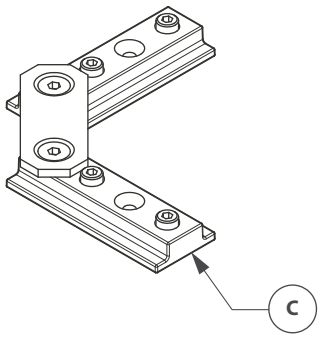
Rail, Top Acc Chnl, 2.5”
119-1436



Supporting Components

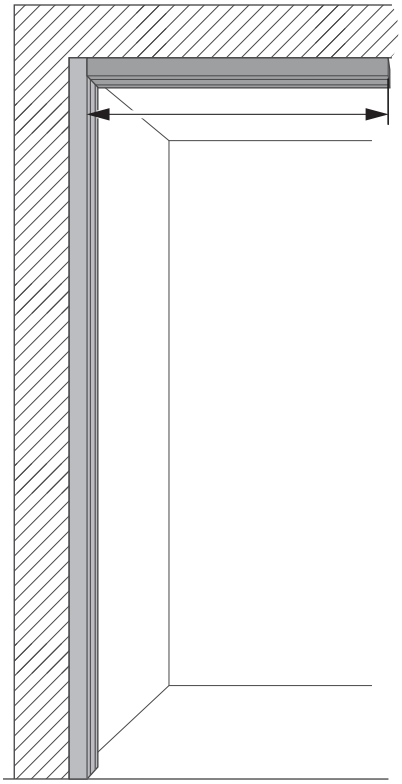


Rail Bracket Kit, Vert-Horz
119-1479

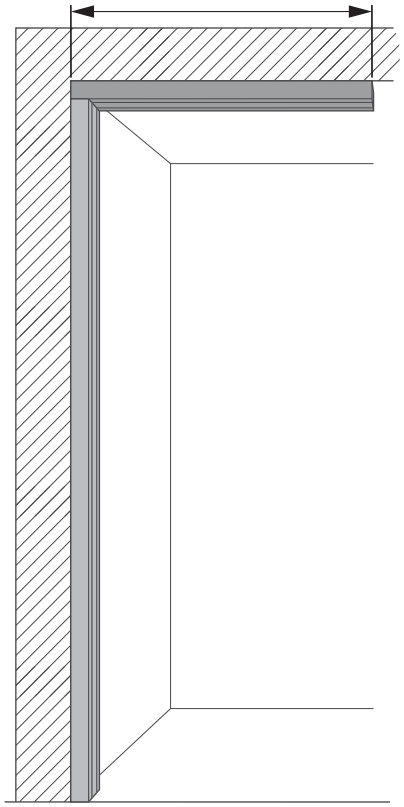


Rail Bracket Kit, 2 Way
119-1482

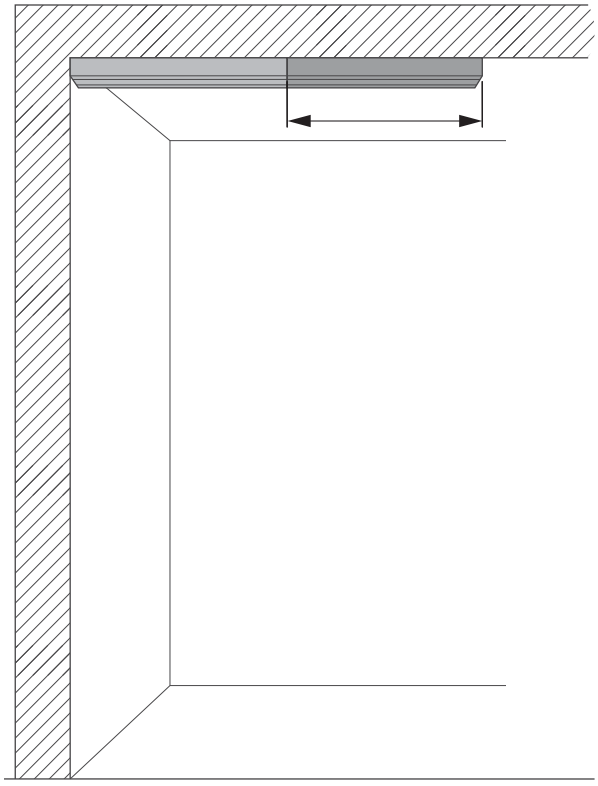
Prep Work:
Remove (1) Locking Block from each Rail Bracket assembly required. Keep Locking Block and Screws together for future use.



From Starter or other Vertical Transition
(Horizontal)

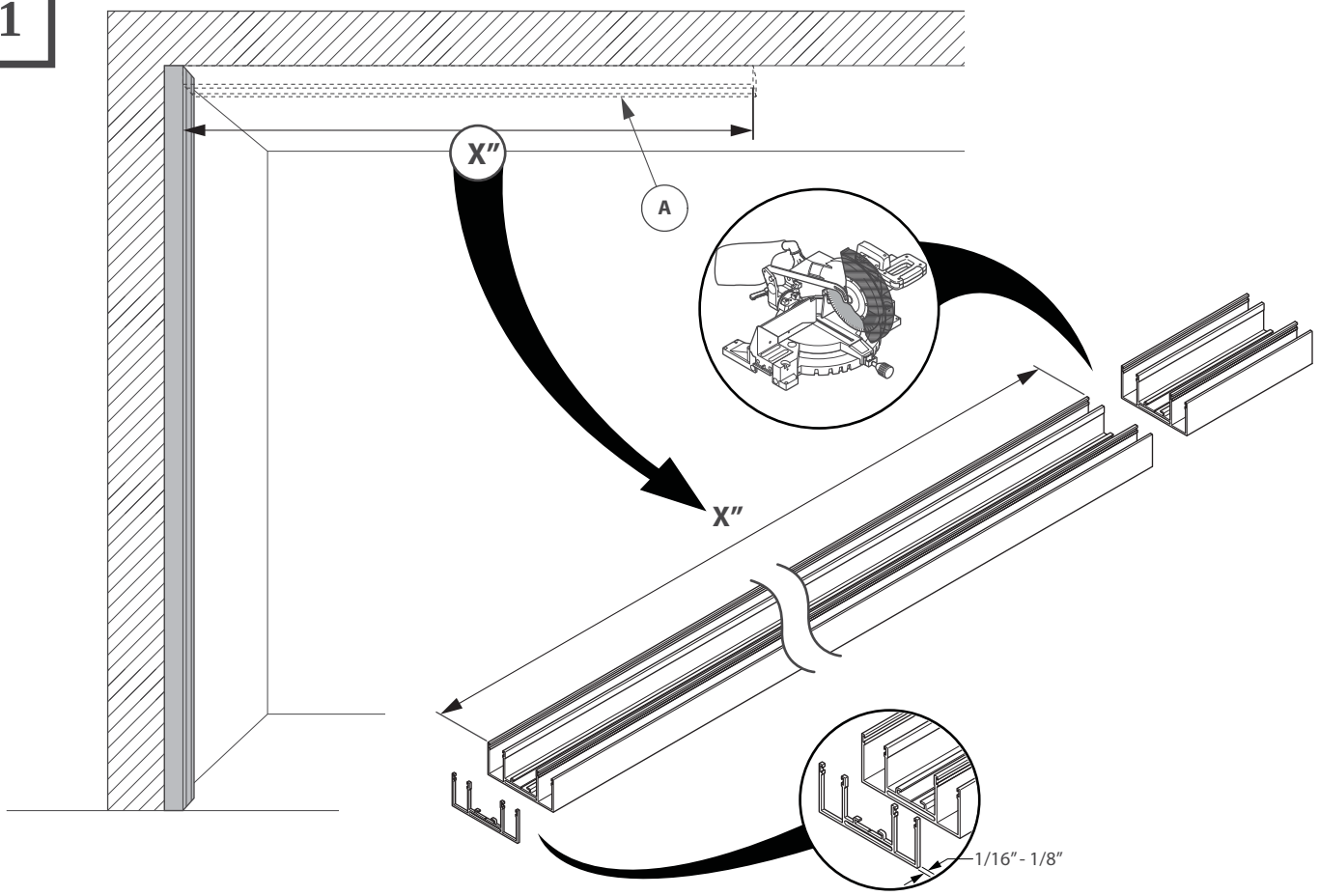


From Wall
(Horizontal)



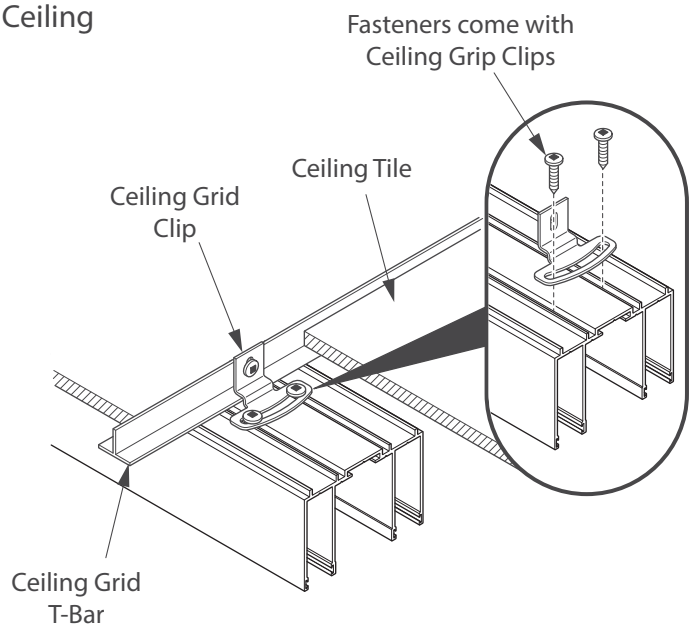
From adjacent Top Rail
(Inline or Mitre)

1



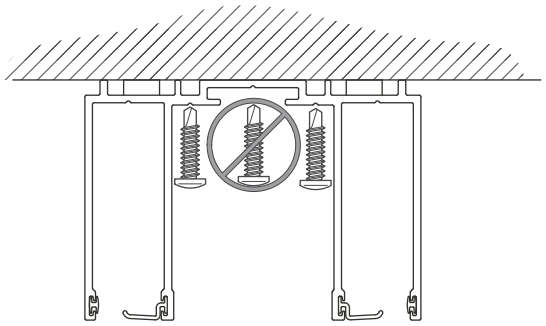
2

Attach Top Rail to Ceiling



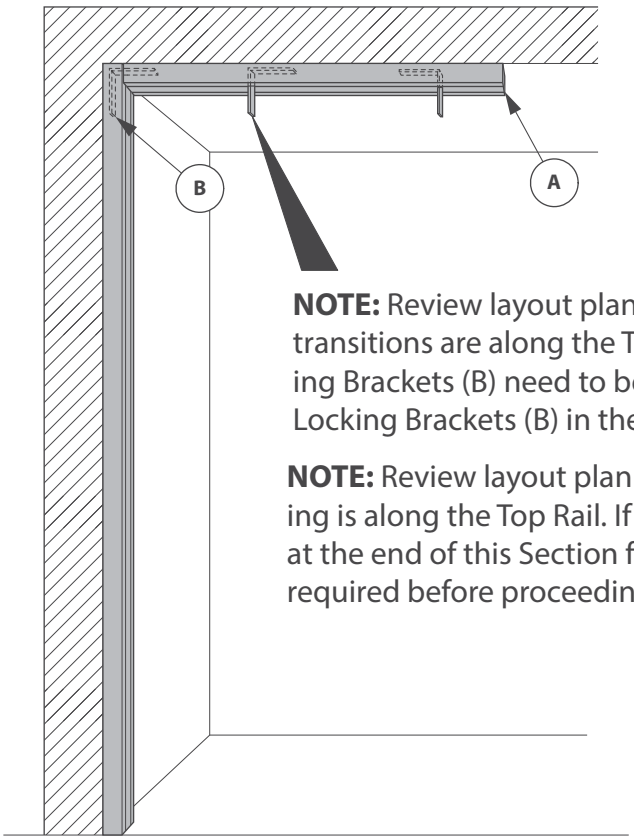
WARNING: Appropriate fasteners and wall anchors must be used to attach the Top Rail to a ceilings or bulkheads other than the suspended type. Due to various ceiling constructions, fasteners and wall anchors are not provided by Haworth. Consult with the customer appointed engineer for fastener recommendations.

OR



3

Slide Rail Bracket (B) into corner and tighten per Joint Type instructions detailed in Section 4.



NOTE: Review layout plan to determine if any Vertical transitions are along the Top Rail. If so, additional Locking Brackets (B) need to be installed. Slide in required Locking Brackets (B) in the correct orientation.

NOTE: Review layout plan to determine if a Door opening is along the Top Rail. If so, review the Options pages at the end of this Section for any additional steps required before proceeding to the next step.

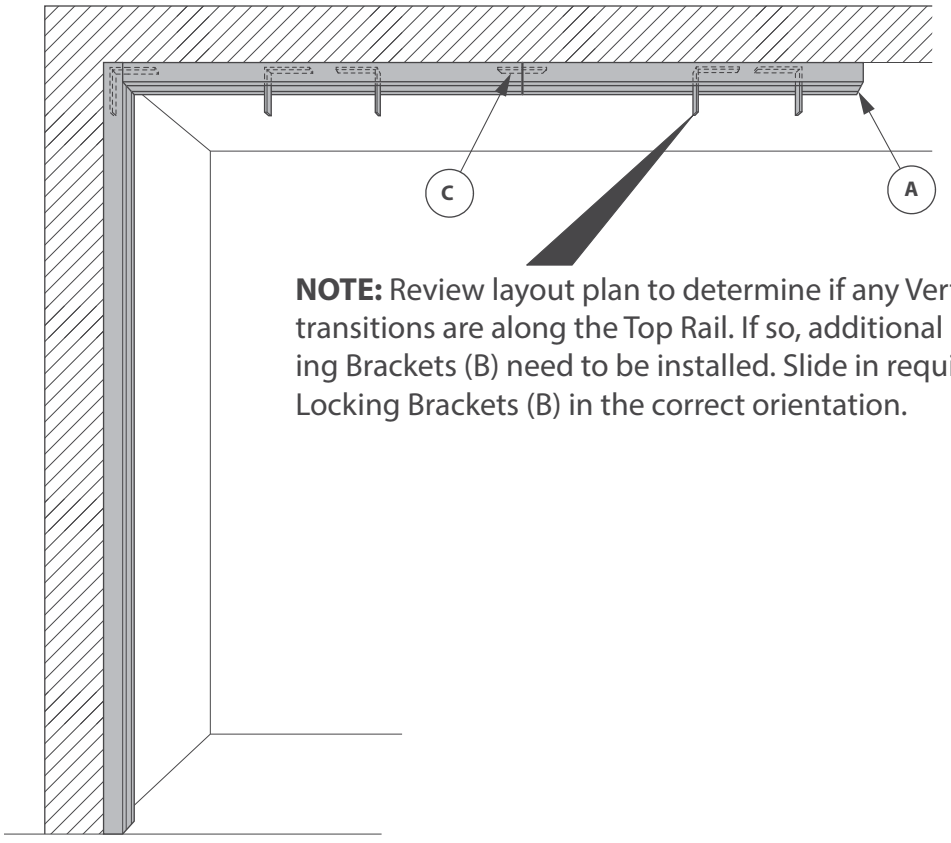
4

Slide Rail Bracket (C) into previously installed Top Rail when Inline or Mitre to another Top Rail

Repeat Steps 1 & 2.

Tighten per Joint Type instructions detailed in Section 4.

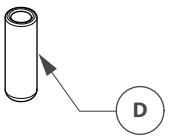
See the Options pages at the end of this Section for any additional steps required.



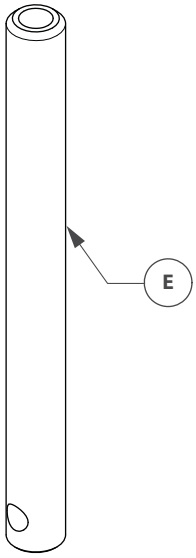
NOTE: Review layout plan to determine if any Vertical transitions are along the Top Rail. If so, additional Locking Brackets (B) need to be installed. Slide in required Locking Brackets (B) in the correct orientation.

Options

If any glass panel are center mounted, rubber protective caps must be installed onto the screw tips to protect the glass panel at the time of installation.

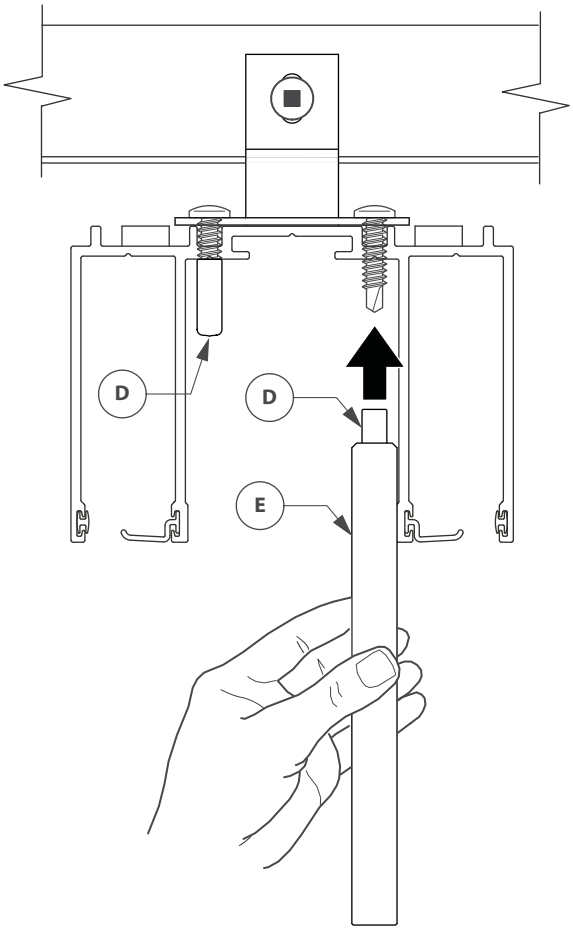


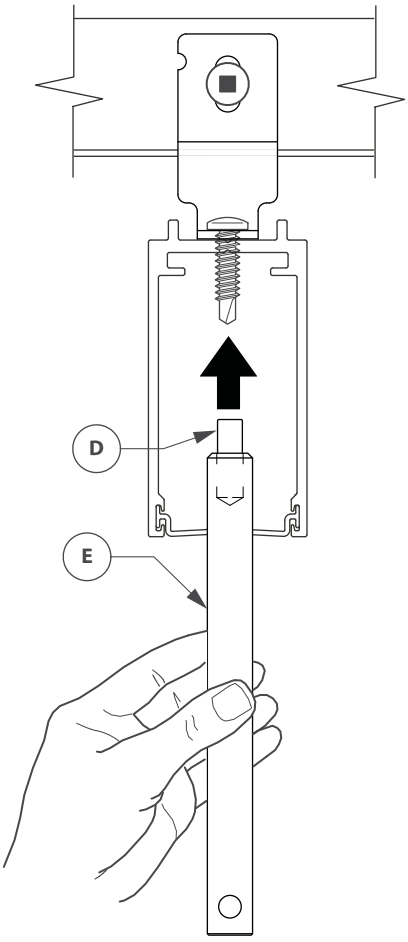
Part of
Leveler Insrt Ctr 1.5 - 119-1470
or
Leveler Insrt Ctr 2.5 - 119-1471



Tool, Ctr|1Chnl Glass Screw Cap
119-6181

Slide cap (D) into tool (E).
Push the cap onto the screw tip as far as possible using tool (E) .

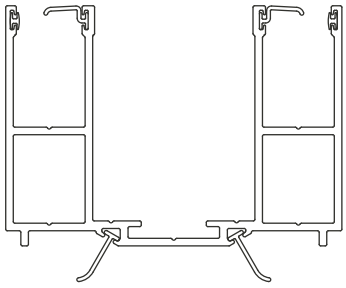




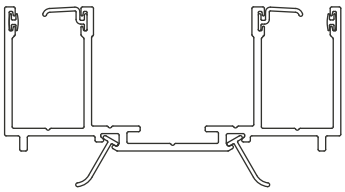
Section 7 - Bottom Rails

Rail Types

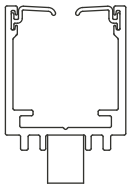
Rail, Bottom, 3Chnl, 2.5"
119-1437



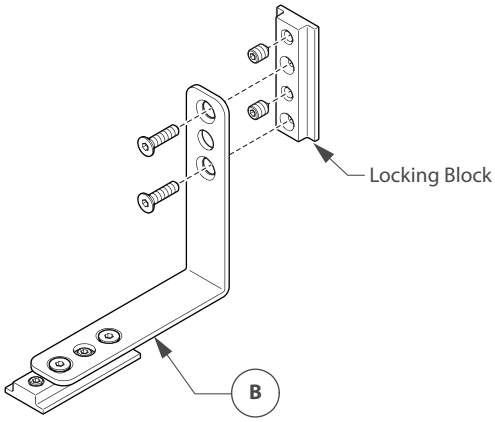
Rail, Bottom|Starter, 3Chnl, 1.5"
119-1438



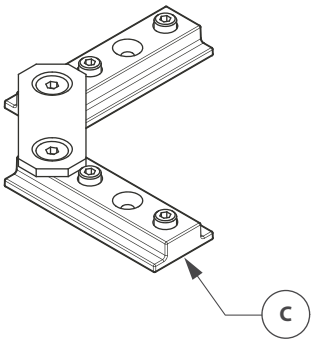
Rail, Bottom|Starter, 1Chnl, 1.5"
119-1439



Supporting Components

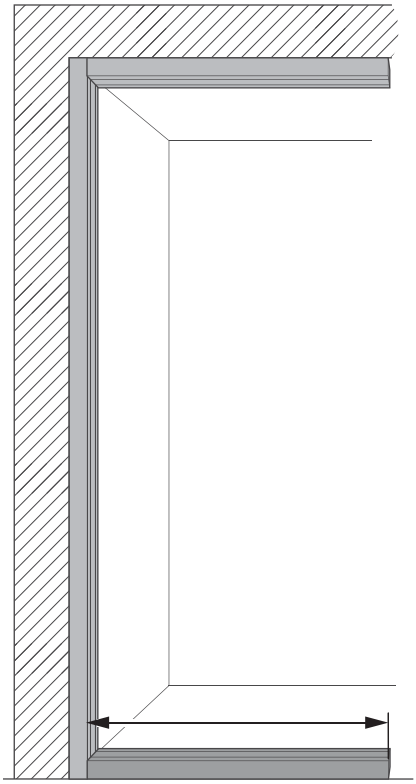


Rail Bracket Kit, Vert-Horz
119-1479

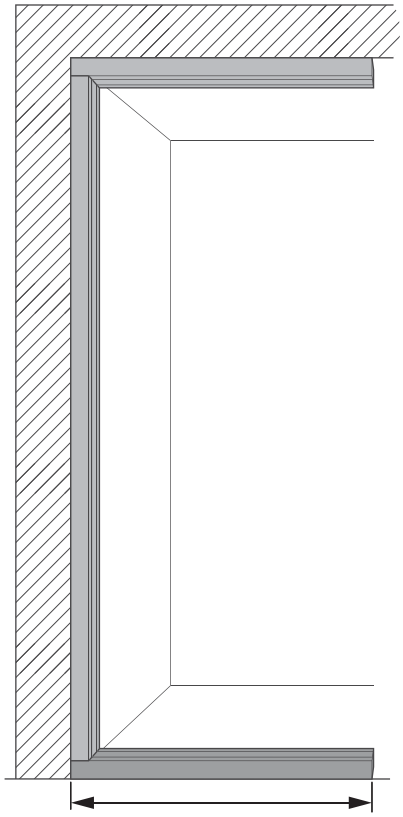


Rail Bracket Kit, 2 Way
119-1482

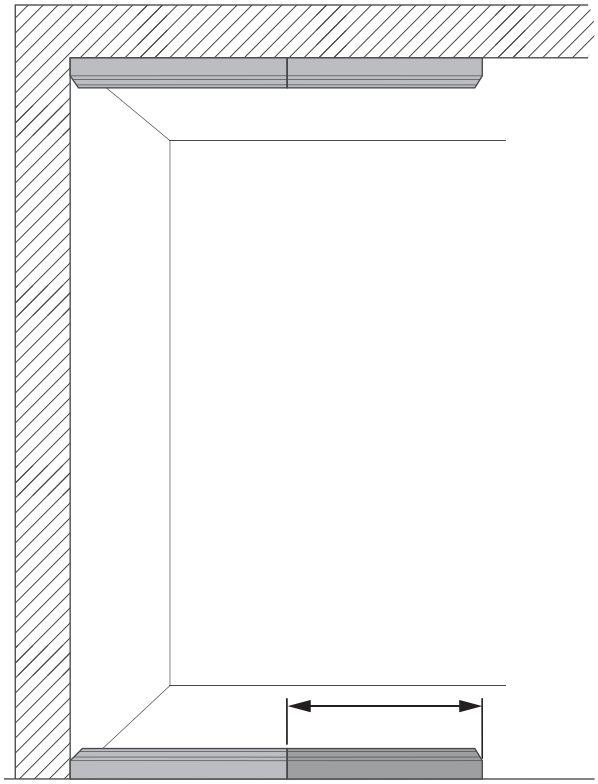
Prep Work:
Remove (1) Locking Block from each Rail Bracket assembly required. Keep Locking Block and Screws together for future use.



From Starter or other Vertical Transition
(Horizontal)

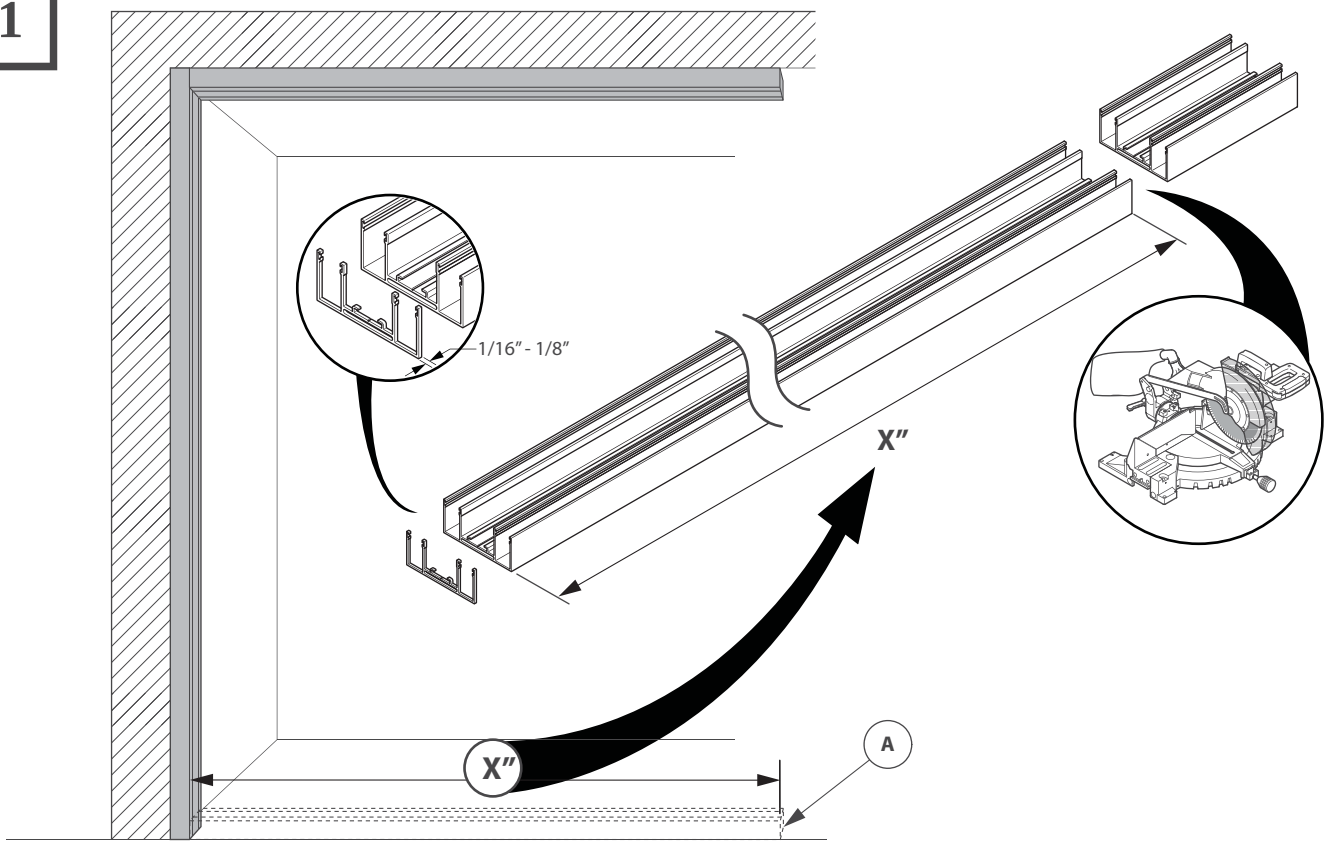


From Wall
(Horizontal)



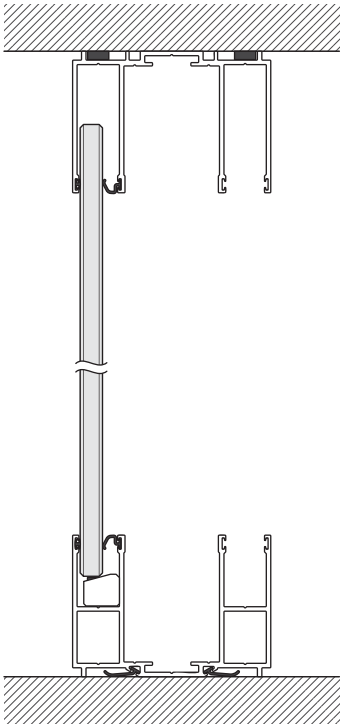
From adjacent Bottom Rail
(Inline or Mitre)

1



2

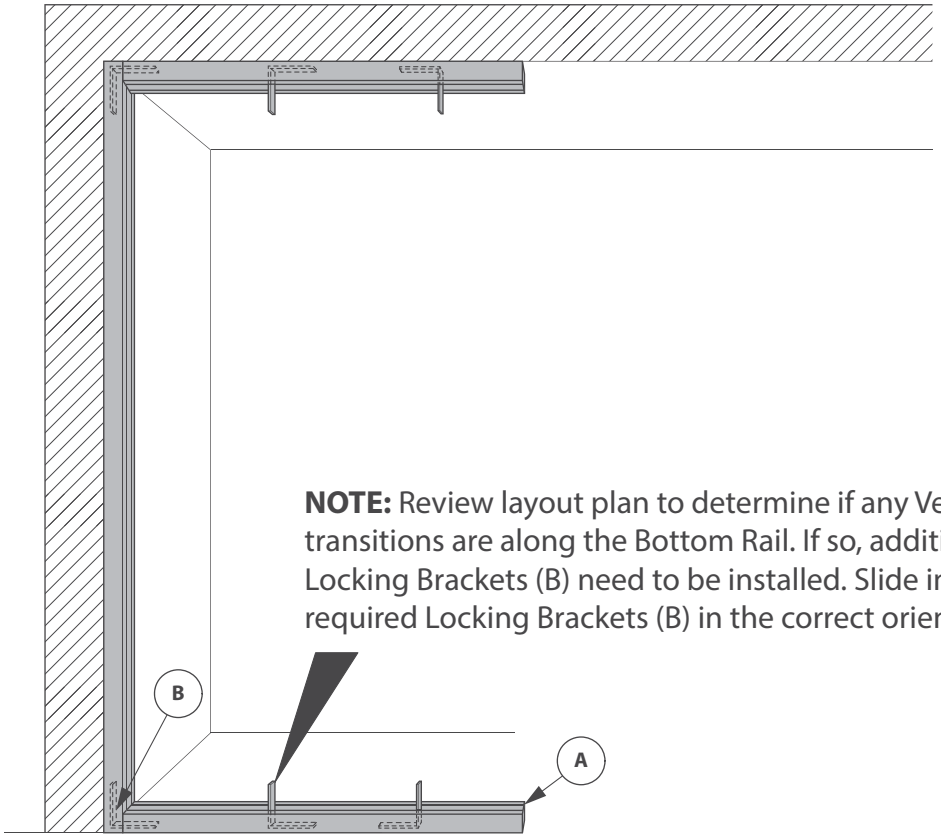
NOTE: Review layout plan to determine if the condition below applies. If so, review the Options page and the end of this Section for any additional steps before anchoring the Base Rail to the floor.



Single Glass Panel in an Outer Channel

3

Slide Rail Bracket (B) into corner and tighten per Joint Type instructions detailed in Section 5.

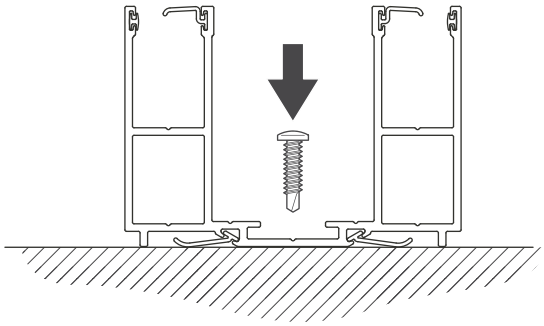


NOTE: Review layout plan to determine if any Vertical transitions are along the Bottom Rail. If so, additional Locking Brackets (B) need to be installed. Slide in required Locking Brackets (B) in the correct orientation.

4

WARNING: Appropriate fasteners and anchors must be used to attach the Bottom Rail to the floor. Due to various floor constructions, fasteners and anchors are not provided by Haworth. Consult with the customer appointed engineer for fastener recommendations.

NOTE: Review layout plan to determine if a Door opening is along the Bottom Rail. If so, review the Options pages at the end of this Section for any additional steps required before anchoring the Base Rail to the floor.



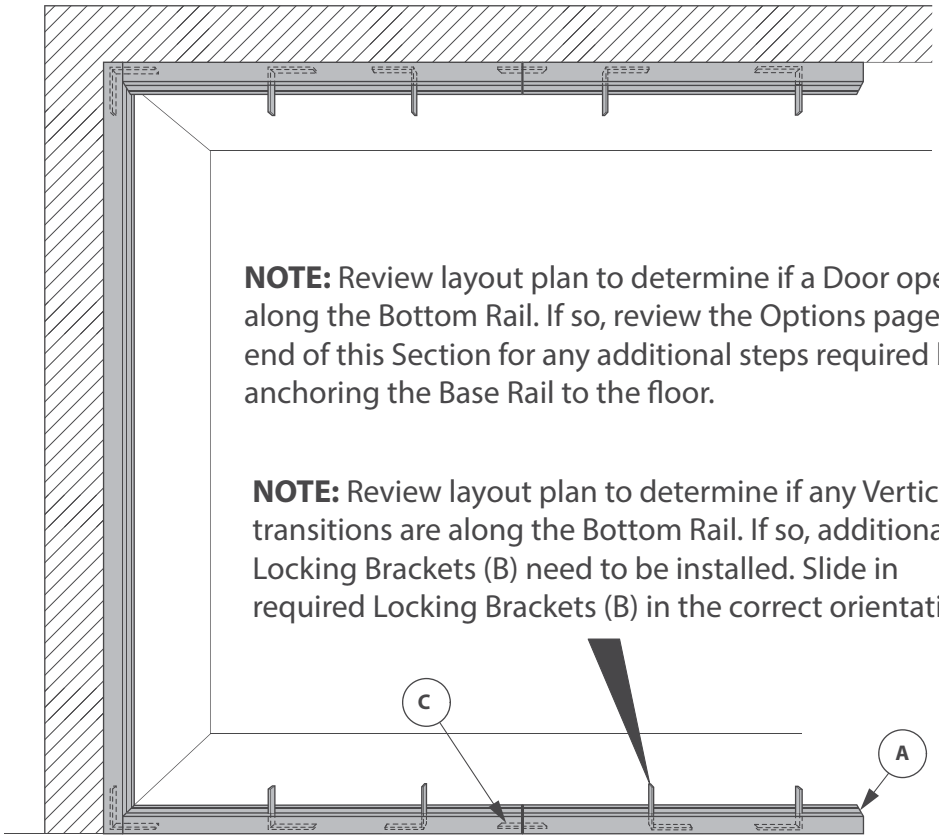
5

Slide Rail Bracket (C) into previously installed Top Rail when adjacent to another Top Rail (Inline or Mitre).

Repeat Steps 1 - 4.

Tighten per Joint Type instructions detailed in Section 4.

See the Options pages at the end of this Section for any additional steps required.

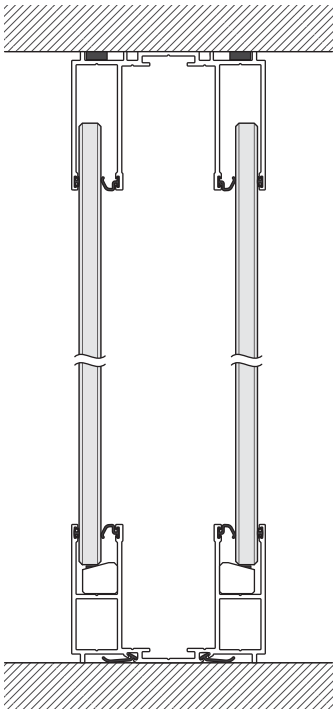


NOTE: Review layout plan to determine if a Door opening is along the Bottom Rail. If so, review the Options pages at the end of this Section for any additional steps required before anchoring the Base Rail to the floor.

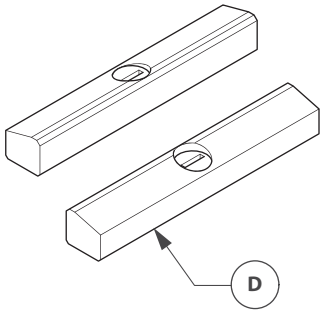
NOTE: Review layout plan to determine if any Vertical transitions are along the Bottom Rail. If so, additional Locking Brackets (B) need to be installed. Slide in required Locking Brackets (B) in the correct orientation.

Options

When glass panels are mounted in the outer channels on both sides (see layout), levelers need to be slid in position before installing the next base rail. This applies to 2.5" or 1.5" profiles.

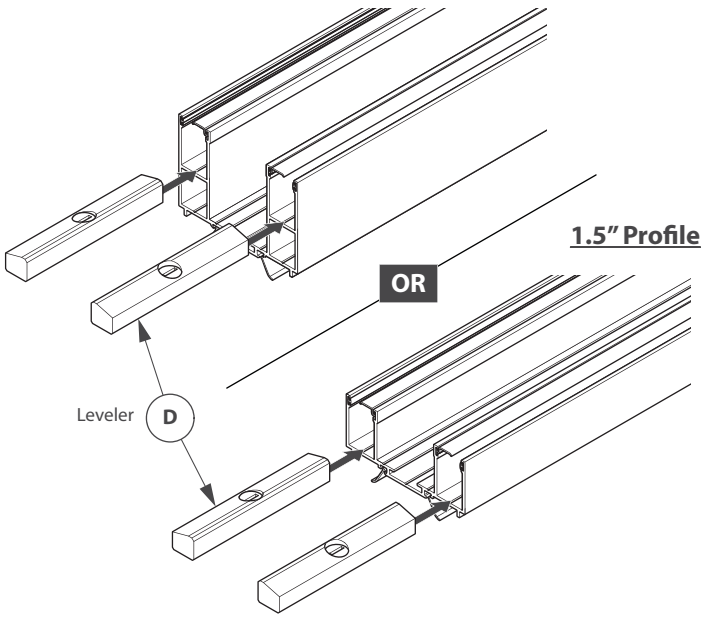


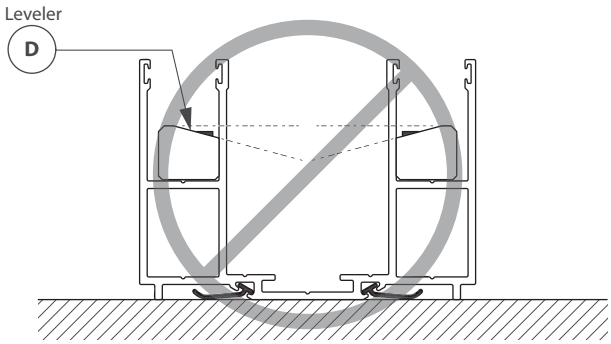
END VIEW

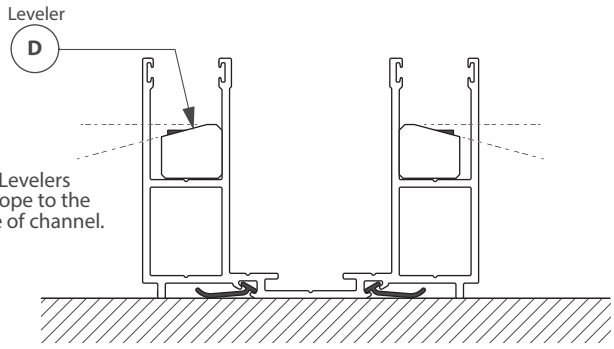


Leveler Kit, Insert, Otr
119-1469

2.5" Profile

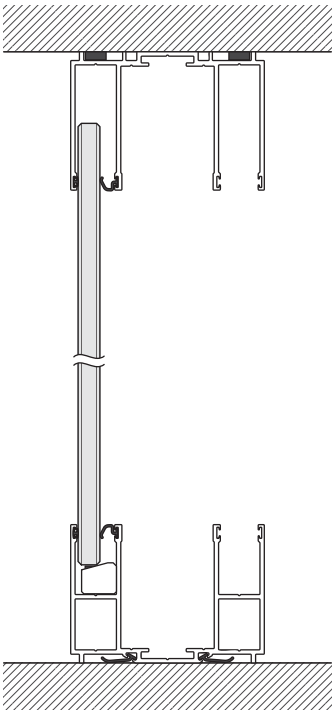




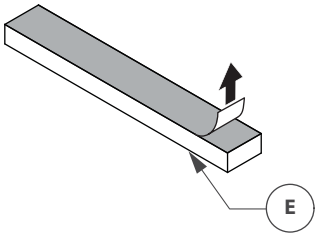


NOTE: Levelers must slope to the outside of channel.

When a single glass panel is mounted in one of the outer channels and the rail is mounted on carpet (see layout and site condition), support shims are required to balance the load under the base rail. This applies to 2.5" or 1.5" profiles.

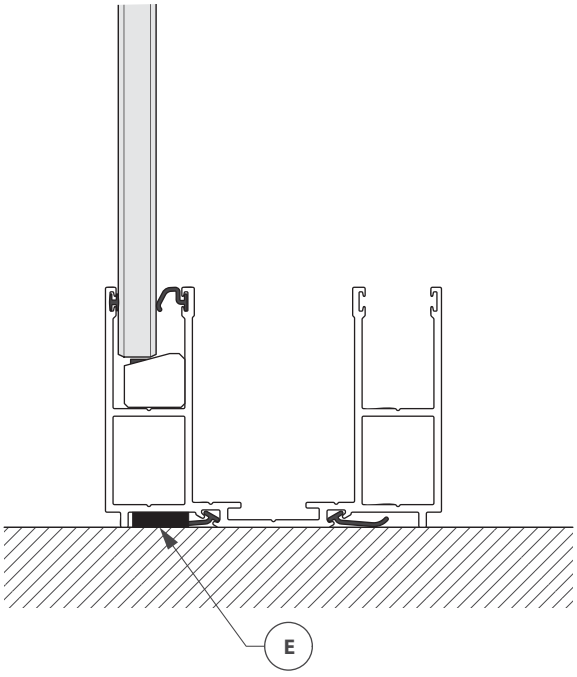


END VIEW



Rail Support Kit, Sgl Otr
119-6868

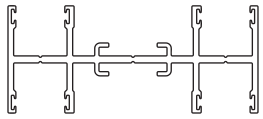
Peel and stick Shims (E) to the underside of the channel that will be loaded with a glass panel. Install a minimum of (2), up to a maximum of (4), Shims equally spaced to distribute the load bearing capabilities.



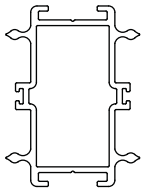
Section 8 - Transition Rails - 2-Way

Rail Types

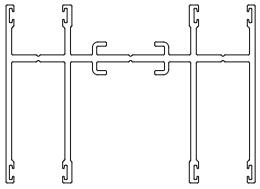
Trns, 3Chnl, Std
119-1440



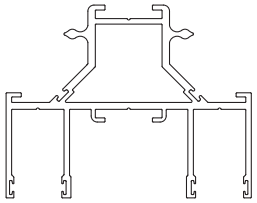
Trns, Tile-Tile, Std
119-1443



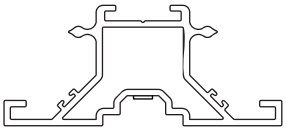
Rail, Trnsm, 3Chnl, 2.5"
122-4724



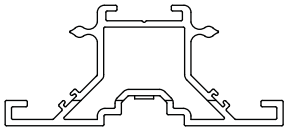
Trns, Tile-3Chnl, 3.5"
121-7862



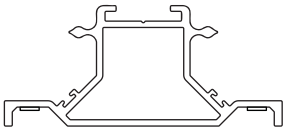
Trns, Tile-Glass, Ctr, Std
119-1441



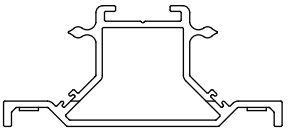
Trns, Tile-Glass, Ctr, Ntch
118-1654



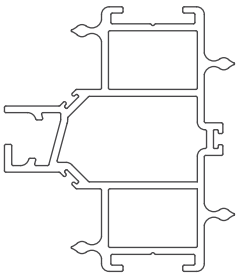
Trns, Tile-Glass, Otr, Std
119-1442



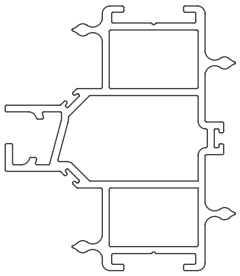
Trns, Tile-Glass, Otr, Ntch
118-1655



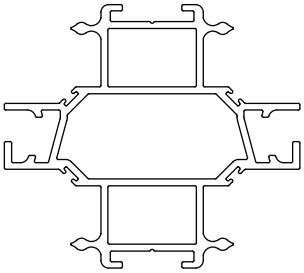
Trns, Tile-Tile, 1 Slot, Std
119-1444



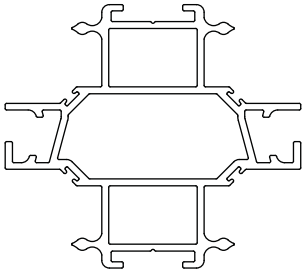
Trns, Tile-Tile, 1 Slot, Ntch
118-1656



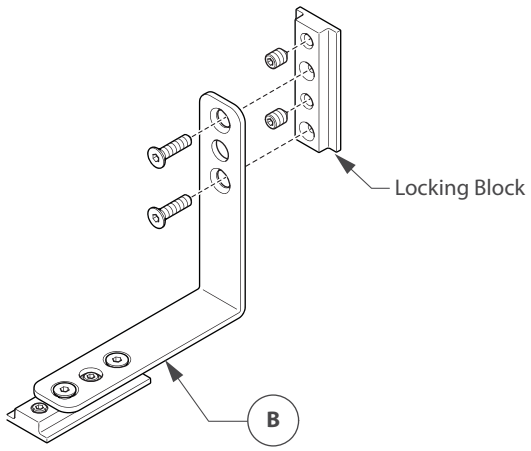
Trns, Tile-Tile, 2 Slot, Std
119-6871



Trns, Tile-Tile, 2 Slot, Ntch
119-6870

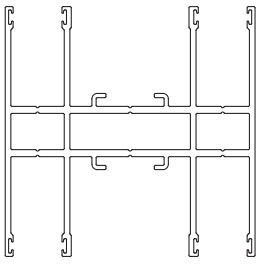


Supporting Components



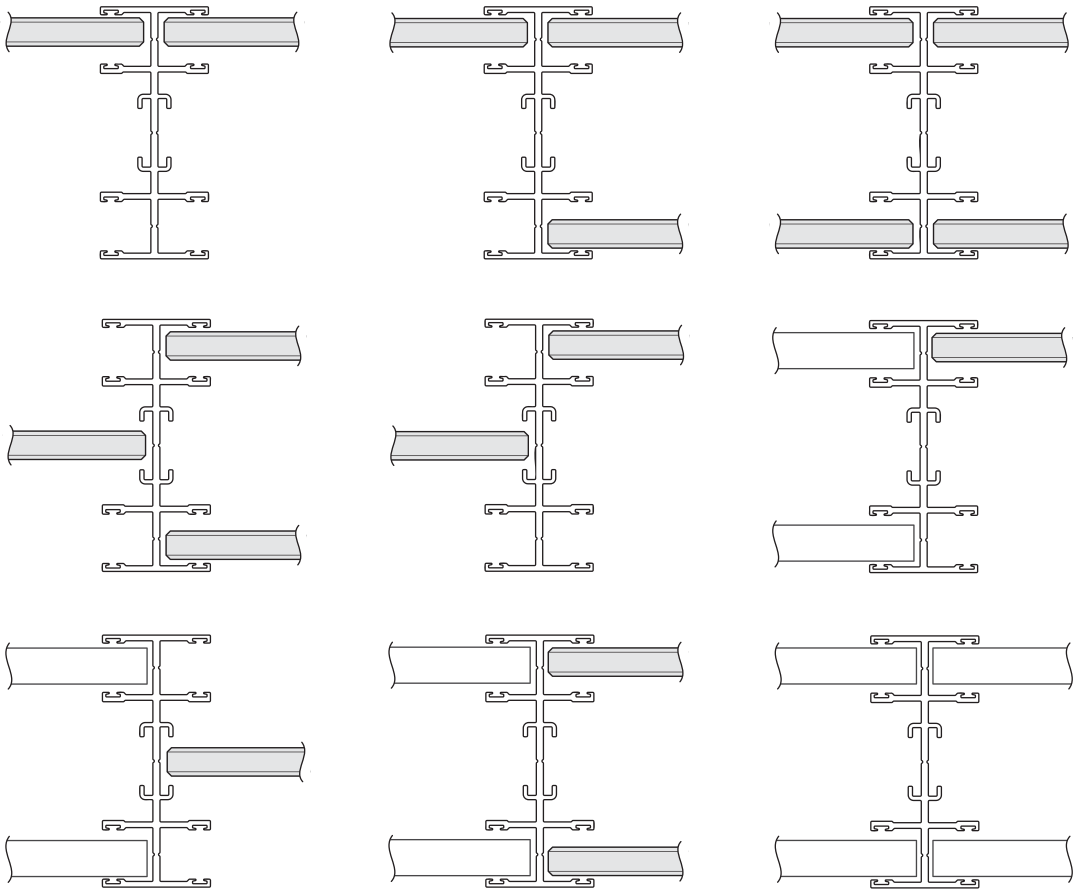
Rail Bracket Kit, Vert-Horz
119-1479

Post, Inline, 3Chnl, 3.5"
121-7863

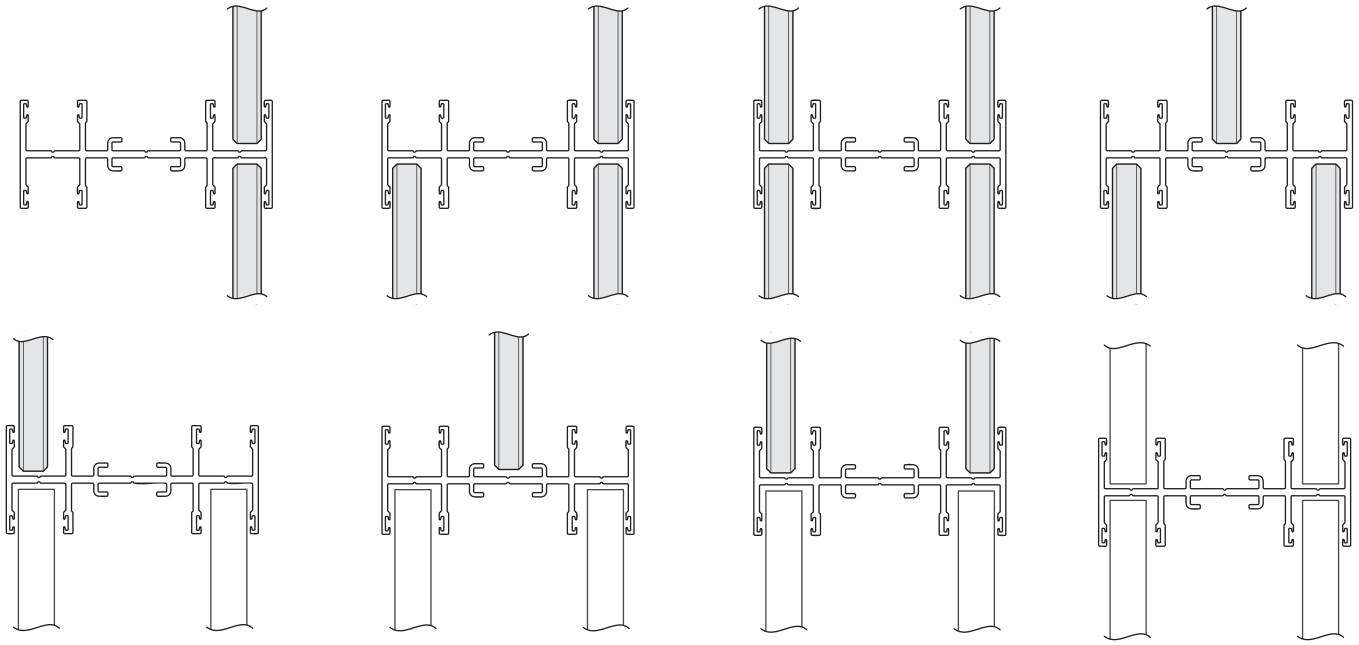


Application Options

Trns, 3Chnl, Std 119-1440
Vertical Applications

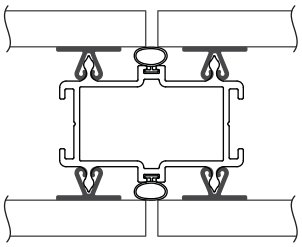


Trns, 3Chnl, Std 119-1440
Horizontal Applications

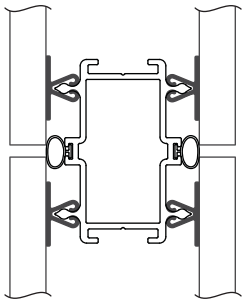


Application Options

Trns, Tile-Tile, Std 119-1443

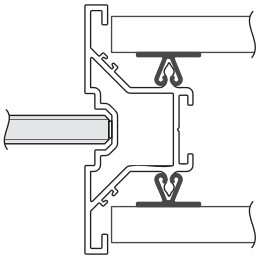


Vertical Application

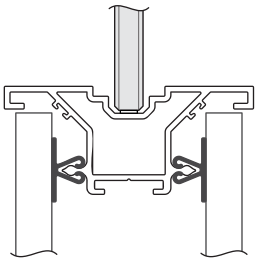


Horizontal Application

Trns, Tile-Glass, Ctr, Std 119-1441

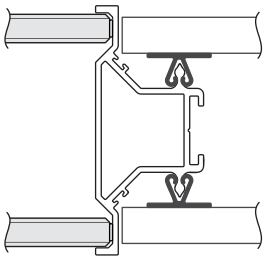


Vertical Application

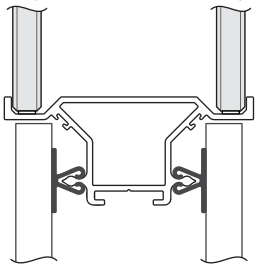


Horizontal Application

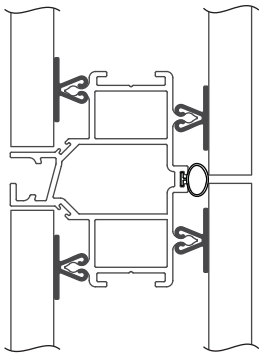
Trns, Tile-Glass, Otr, Std 119-1442



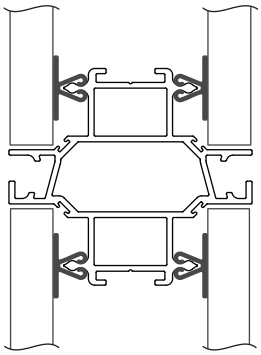
Vertical Application



Horizontal Application

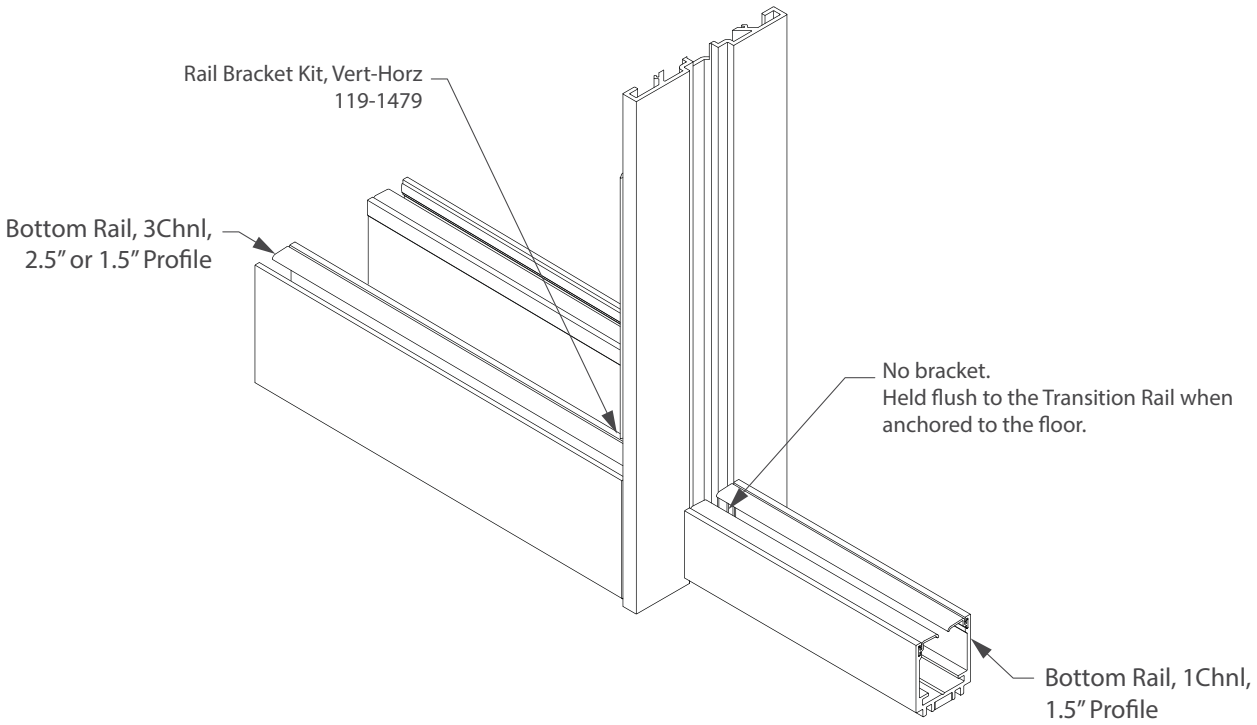


Trns, Tile-Tile, 1 Slot, Std 119-1444
Trns, Tile-Tile, 1 Slot, Ntch 118-1656
Horizontal Application
(only)

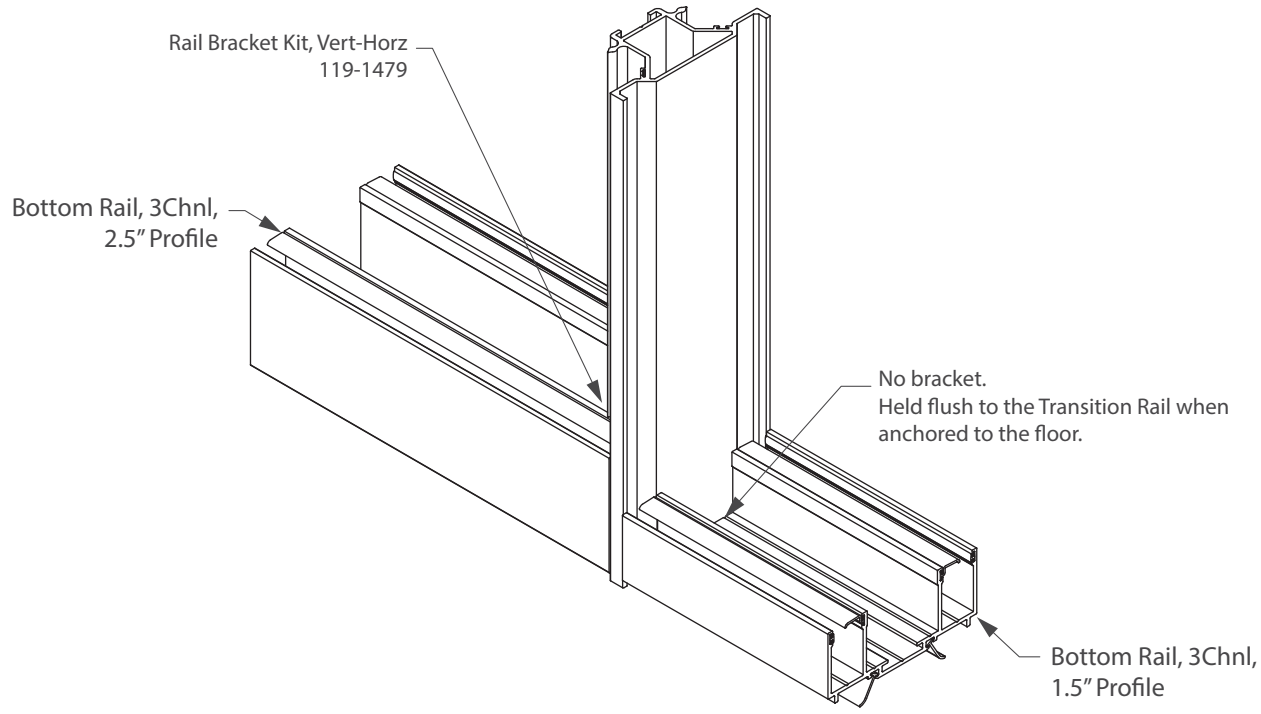


Trns, Tile-Tile, 2 Slot, Std 119-6871
Trns, Tile-Tile, 2 Slot, Ntch 119-6870
Horizontal Application
(only)

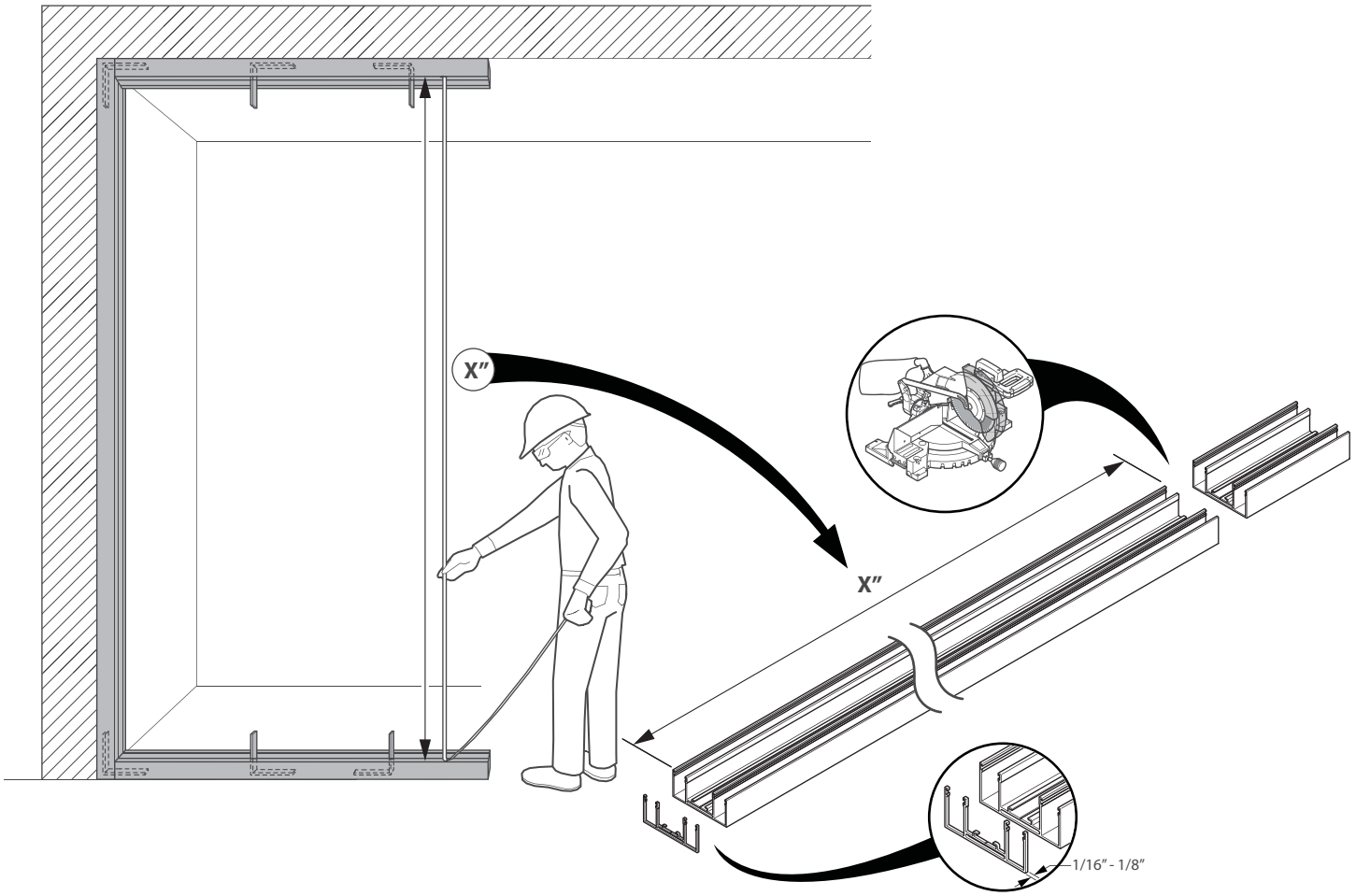
Trns, Tile-Glass, Ctr, Ntch 118-1654



Trns, Tile-Glass, Otr, Ntch 118-1655

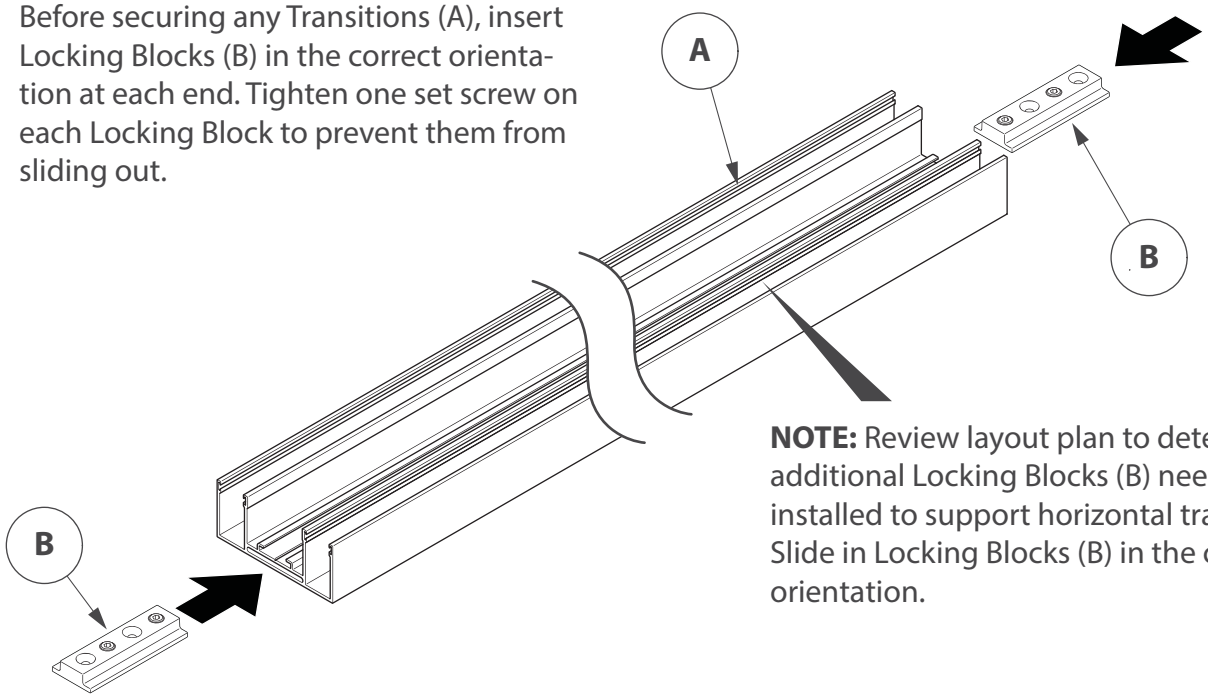


1



2

Before securing any Transitions (A), insert Locking Blocks (B) in the correct orientation at each end. Tighten one set screw on each Locking Block to prevent them from sliding out.

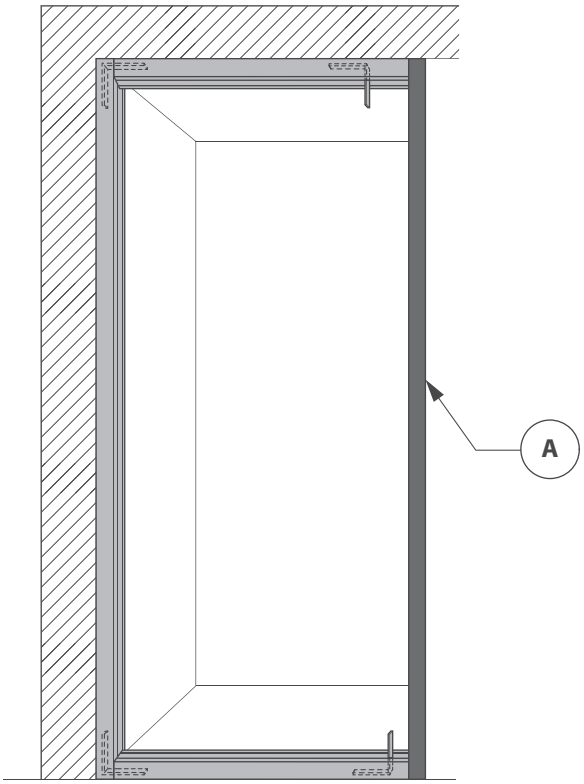


NOTE: Review layout plan to determine if additional Locking Blocks (B) need to be installed to support horizontal transitions. Slide in Locking Blocks (B) in the correct orientation.

Installation Steps

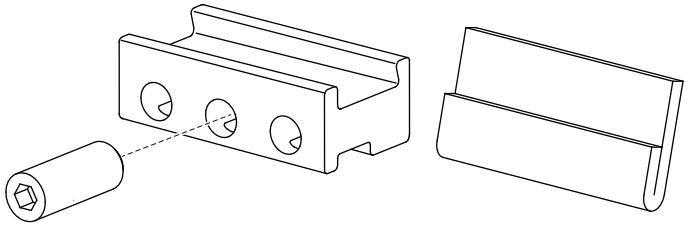
3

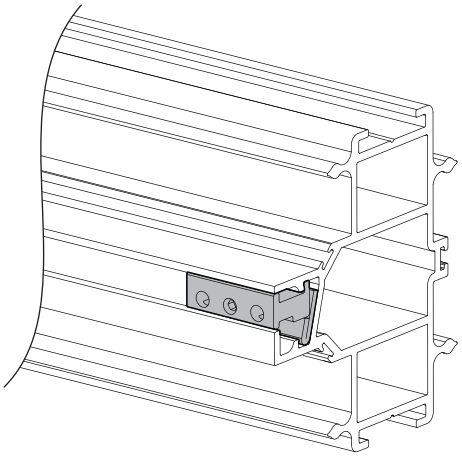
Tighten per Joint Type instructions detailed in Section 4.

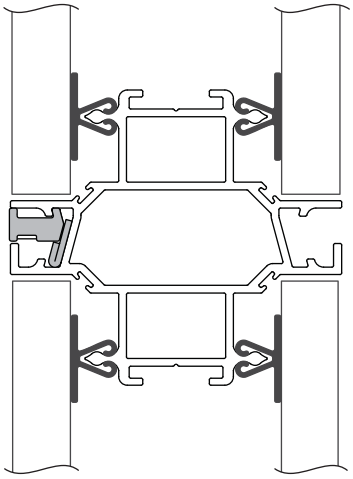


Options

Furniture/Accessory Rail Mounting Block, Kit





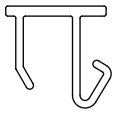


Applicable on horizontal application of:
- Trns, Tile-Tile, 1 Slot, Std 119-1444
- Trns, Tile-Tile, 1 Slot, Ntch 118-1656
- Trns, Tile-Tile, 2 Slot, Std 119-687
- Trns, Tile-Tile, 2 Slot, Ntch119-6870

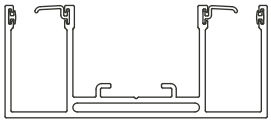
Section 9 - Transitions, Covers & Misc. Rails

Rail Types

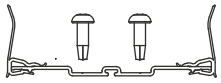
Rail Splice, Vertical
119-1445



Rail, End of Run, 3Chnl, 1.5"
119-1447



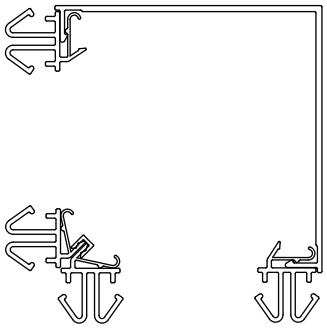
Compressible Seal Kit
119-1448



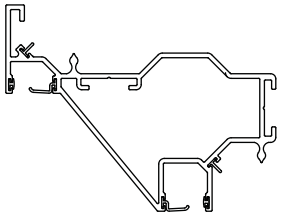
Intersection, Inline, Cv Kit, w/ACO, 5"
119-1449



Intersection, 2 Way 90, Cv Kit
119-1450



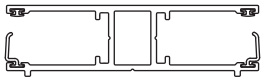
Intersection, 2 Way 90, Mitre
119-1451



Intersection, Inline, Cv Kit, No ACO. 5"
119-1468



Intersection, 3 Way 90, 1Chnl
119-1452



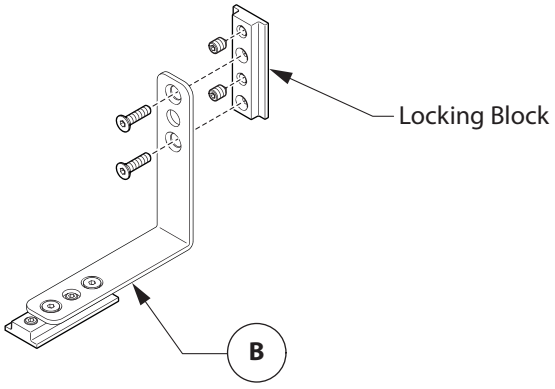
Intersection, Inline, Cv Kit, w/ACO, 3.5"
120-5310



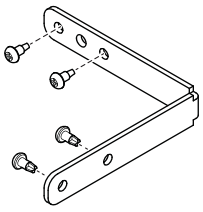
Intersection, Inline, Cv Kit, No ACO, 3.5"
120-5311



Supporting Components



Rail Bracket Kit, Vert-Horz
119-1479

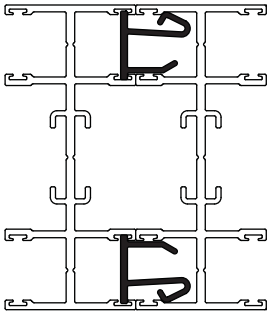


Hardware Pack (2x) that comes w/
Intersection, 3 Way 90, 1Chnl
119-1452

Application Options

Rail Splice, Vertical 119-1445

Note:
Applied when any vertical rails are applied in a back-to-back scenario (Std Transitions shown).

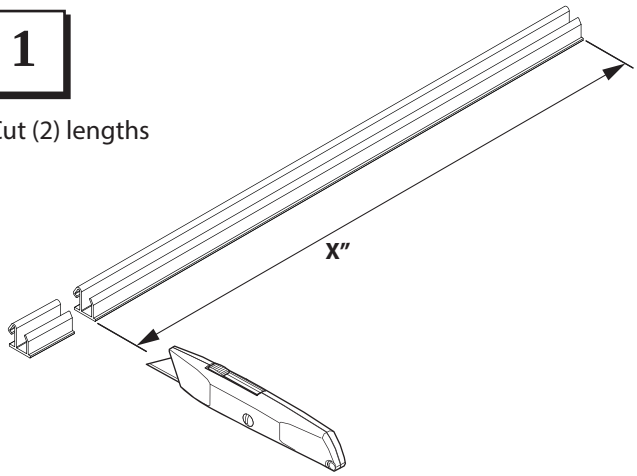


Vertical Application (only)

Installation Steps

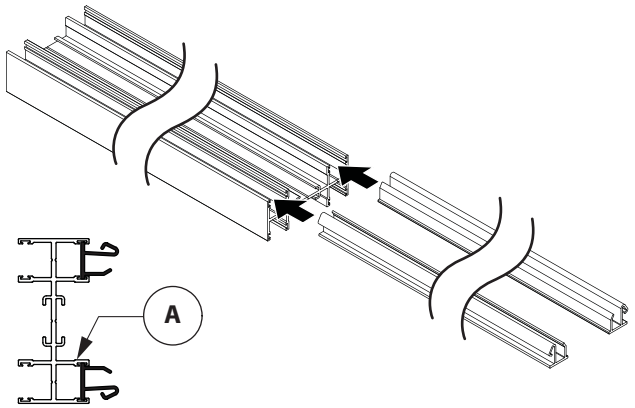
1

Cut (2) lengths

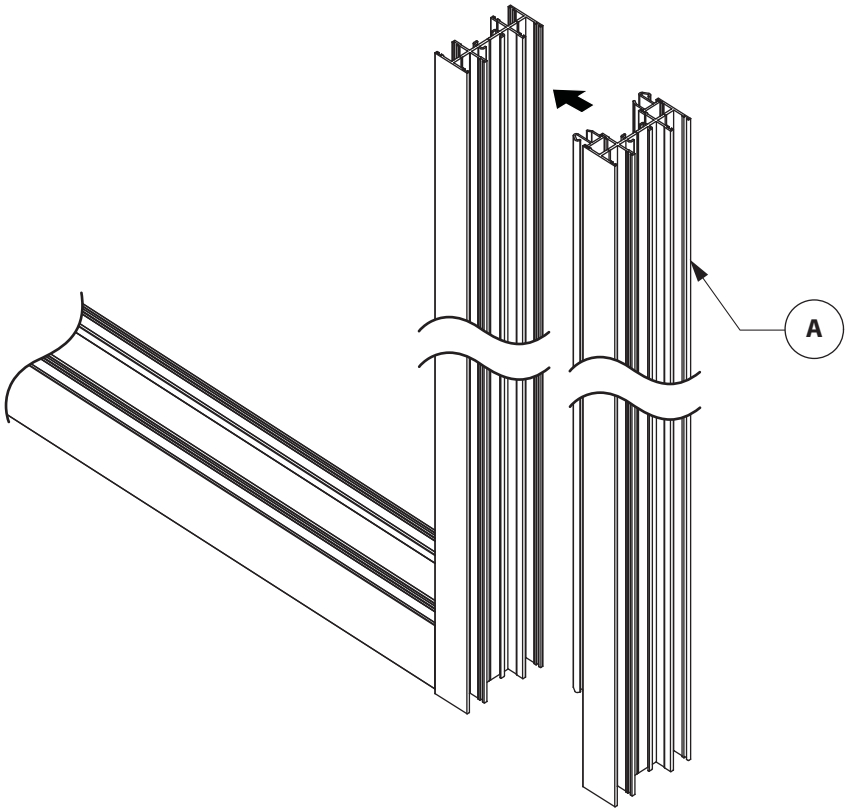


X = Same length as the Rail to be applied to

2

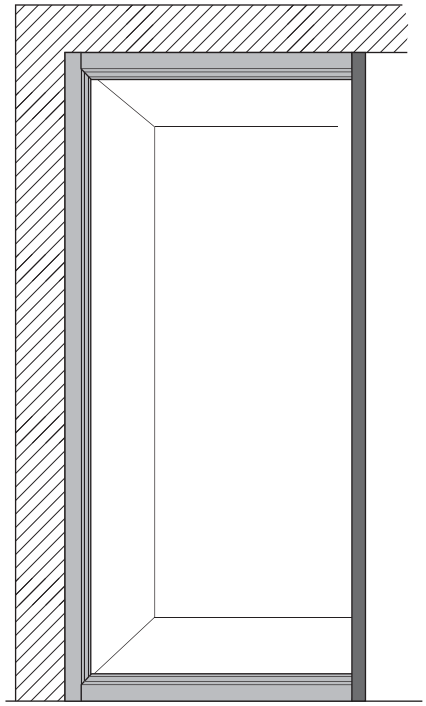


3



Application Options

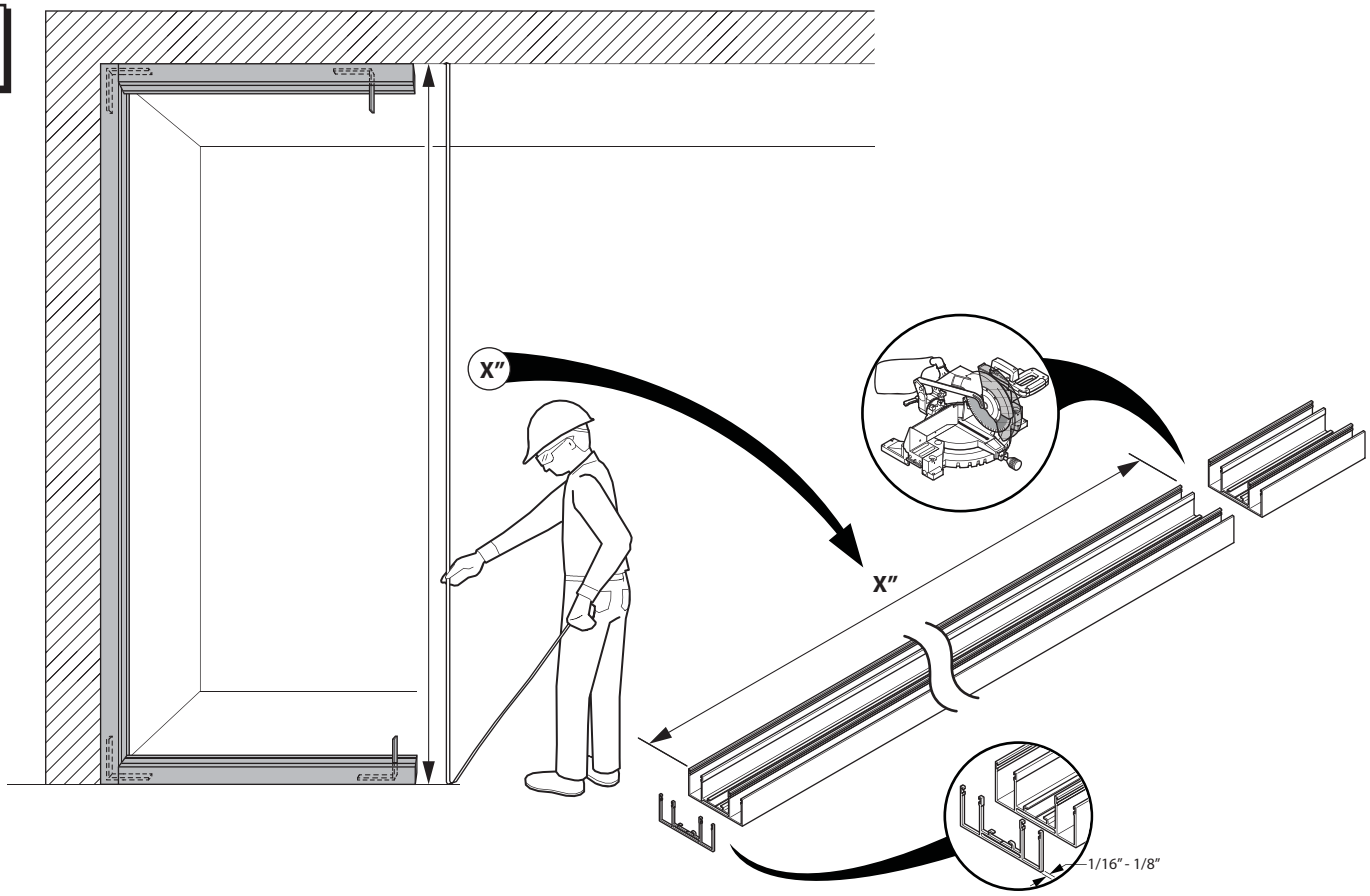
Rail, End of Run, 3Chnl, 1.5" 119-1447



Floor-to-Ceiling
(Vertical)

Installation Steps

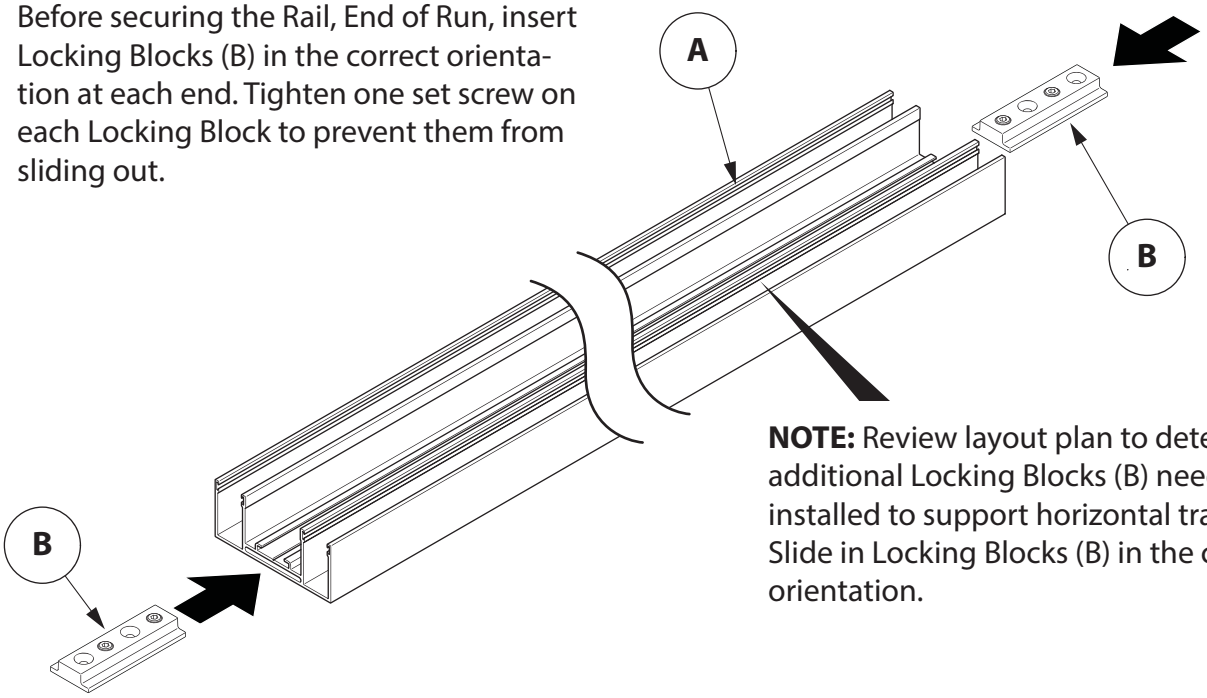
1



Installation Steps

2

Before securing the Rail, End of Run, insert Locking Blocks (B) in the correct orientation at each end. Tighten one set screw on each Locking Block to prevent them from sliding out.

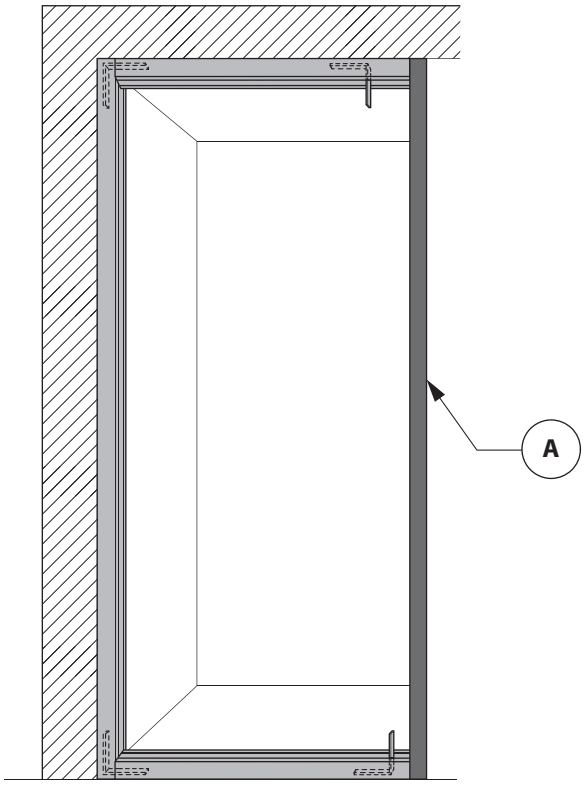


NOTE: Review layout plan to determine if additional Locking Blocks (B) need to be installed to support horizontal transitions. Slide in Locking Blocks (B) in the correct orientation.

Installation Steps

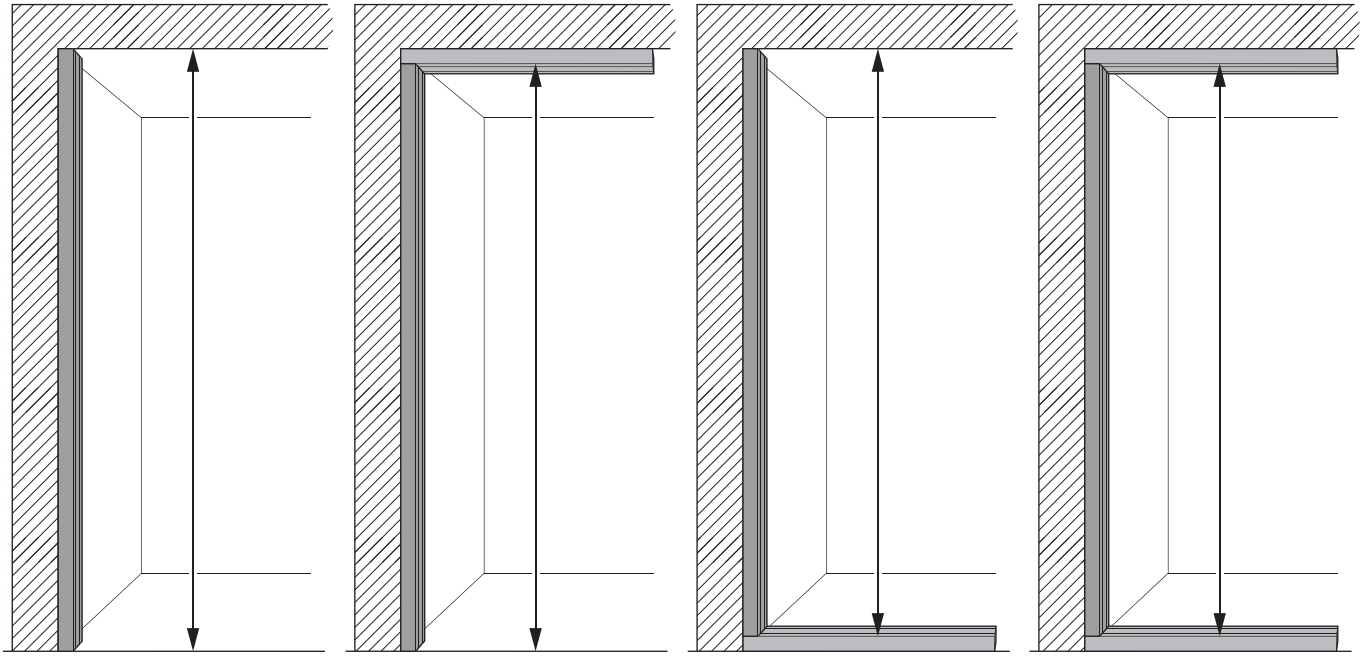
3

Tighten per Joint Type instructions detailed in Section 4.



Application Options

Compressible Seal Kit 119-1448



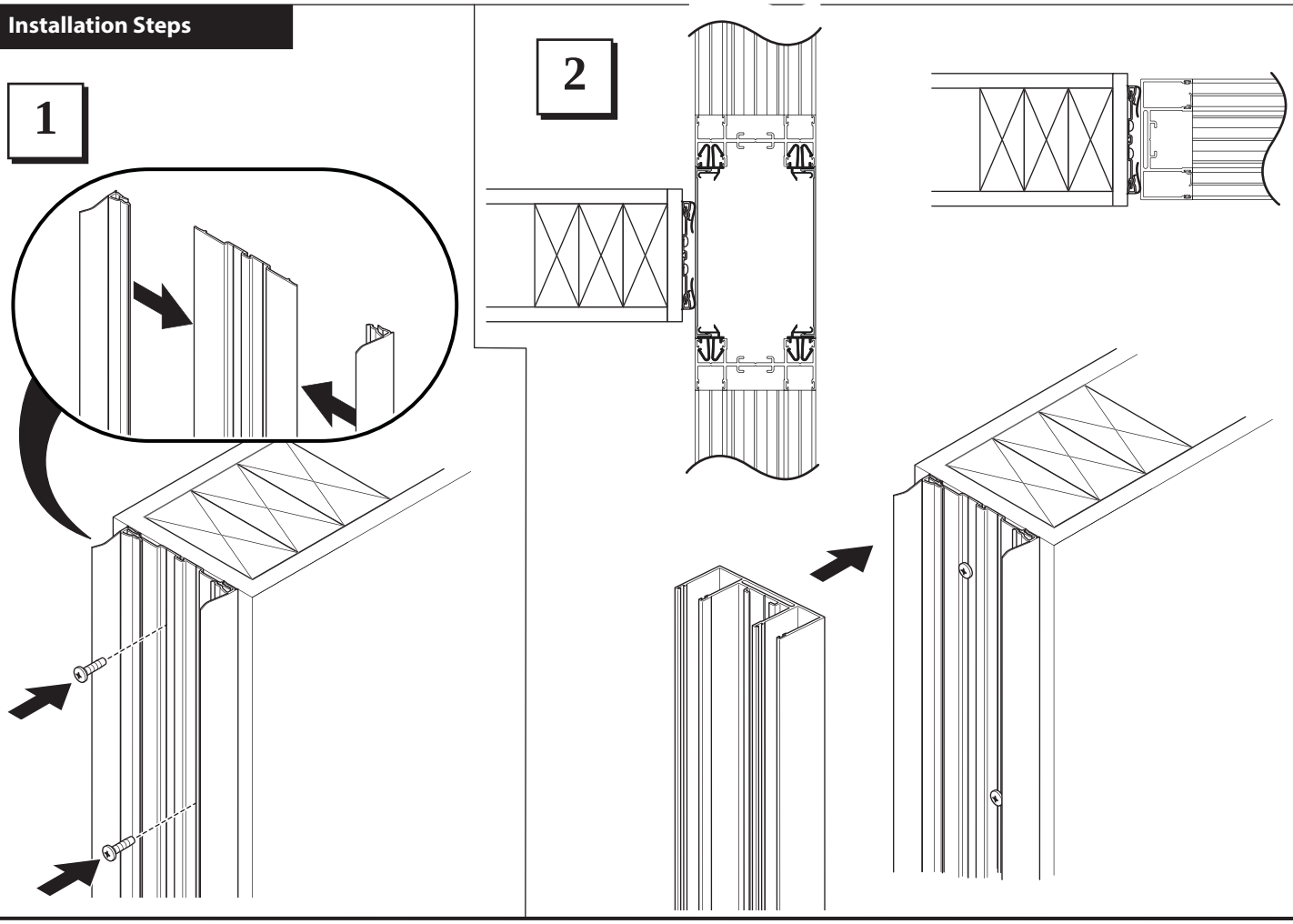
Floor-to-Ceiling (Vertical)

Floor-to-Top Rail (Vertical)

Base Rail-to-Ceiling (Vertical)

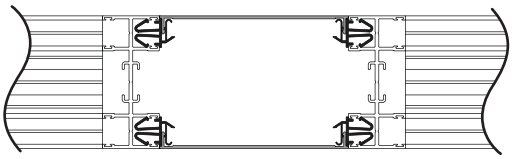
Base Rail-to-Top Rail (Vertical)

Installation Steps

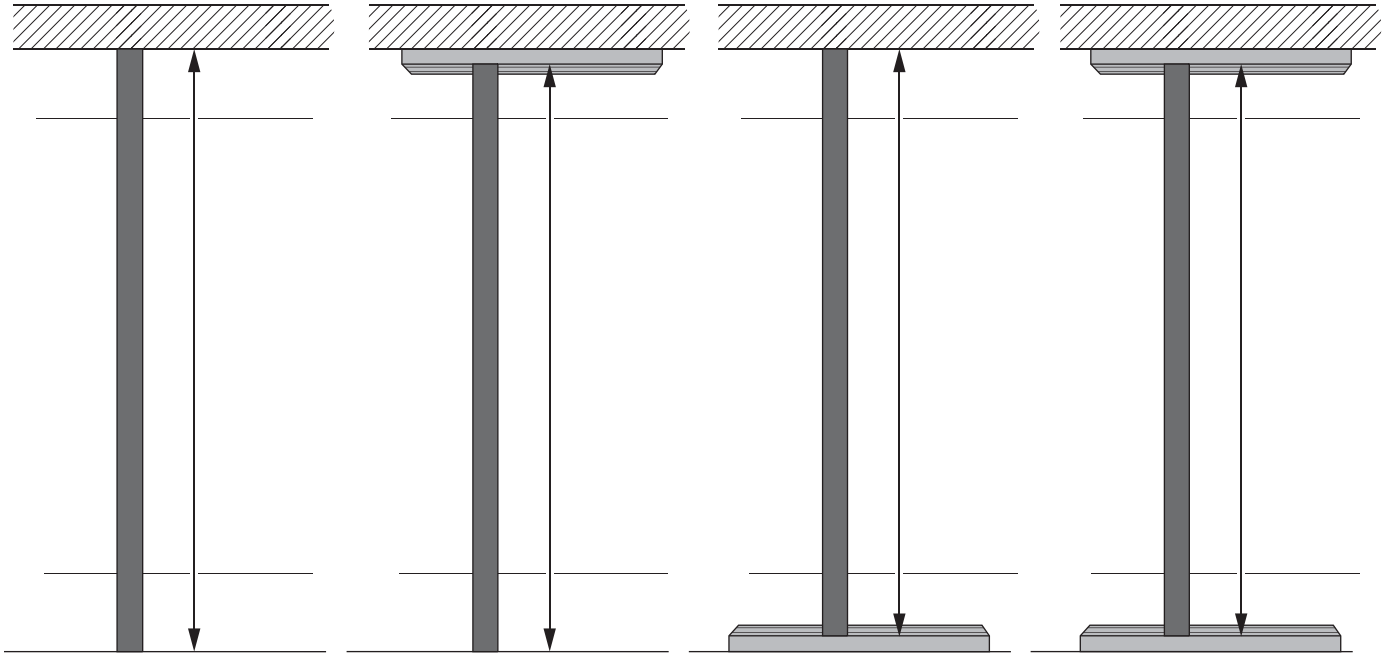


Application Options

Intersection, Inline, Cv Kit, w/ACO, 5" 119-1449
Intersection, Inline, Cv Kit, No ACO. 5" 119-1468
Intersection, Inline, Cv Kit, w/ACO, 3.5" 120-5310
Intersection, Inline, Cv Kit, No ACO, 3.5" 120-5311



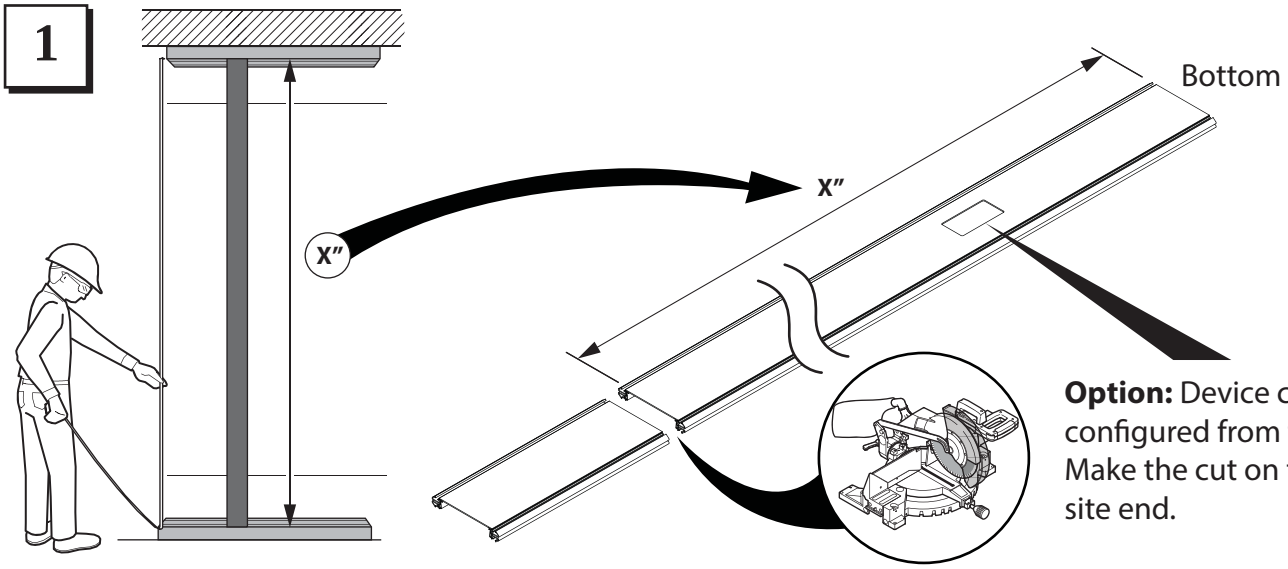
Between
Std Transitions



Floor-to-Ceiling (Vertical) | Floor-to-Top Rail (Vertical) | Base Rail-to-Ceiling (Vertical) | Base Rail-to-Top Rail (Vertical)

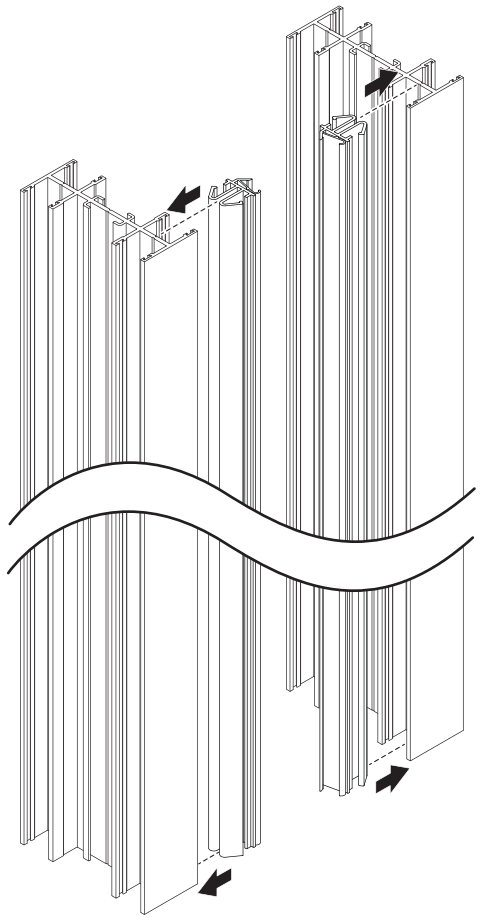
Installation Steps

1

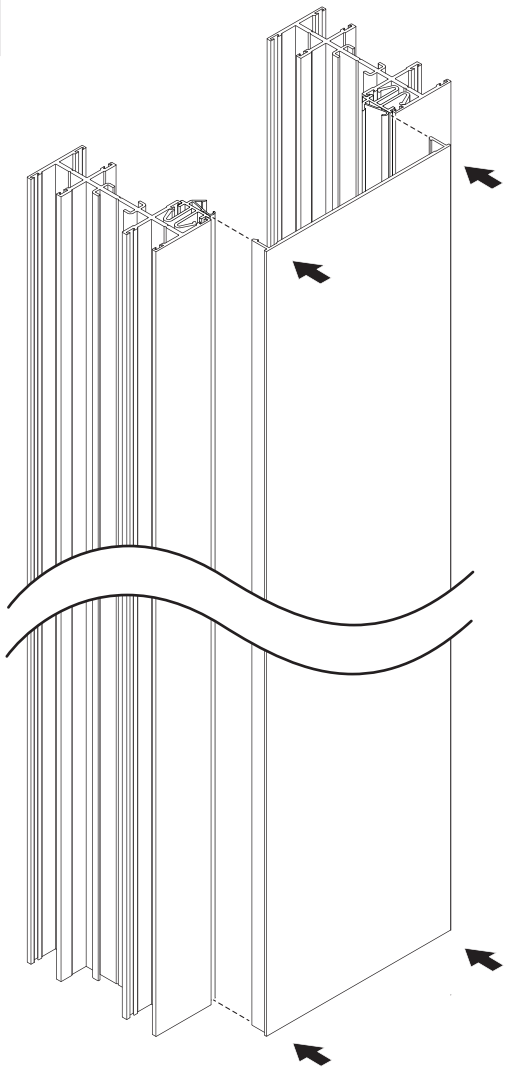


Option: Device cut out is configured from the bottom. Make the cut on the opposite end.

2

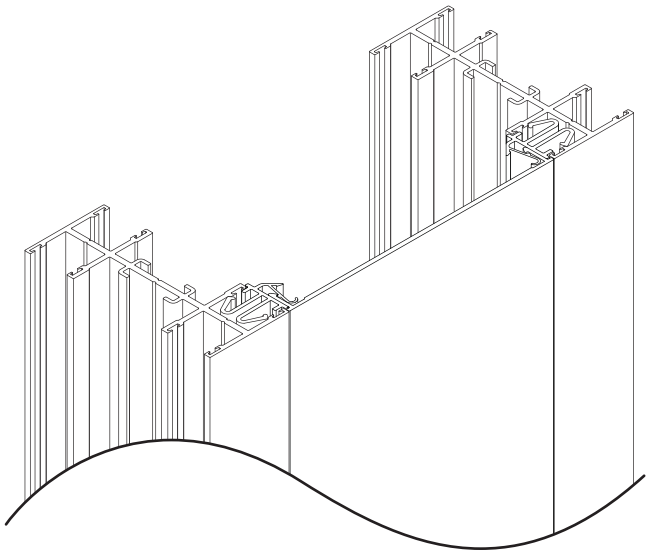


3



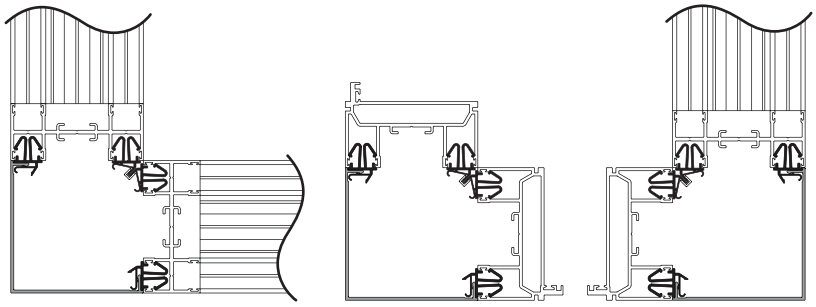
4

Repeat steps 1-3 for the opposite side.



Application Options

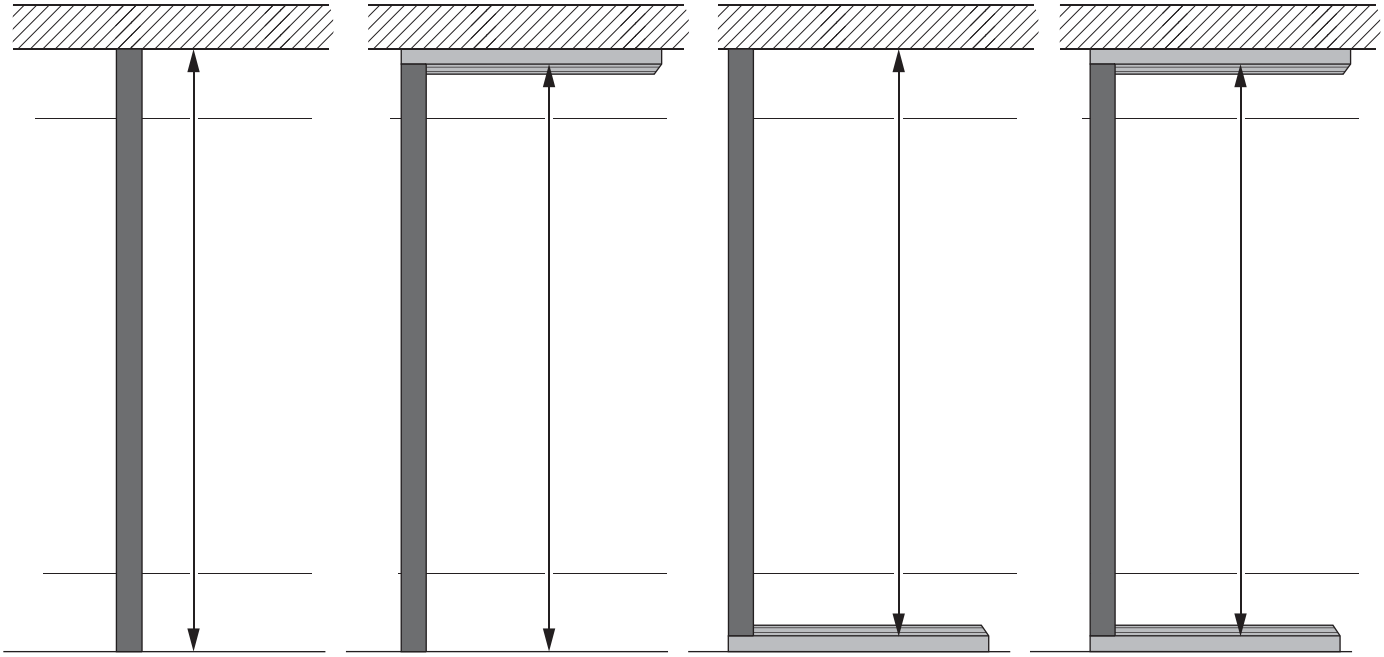
Intersection, 2 Way 90,
Cv Kit 119-1450



Between
Std Transitions

Between
Door Jambs

Between
Door Jamb & Std Transition



Floor-to-Ceiling
(Vertical)

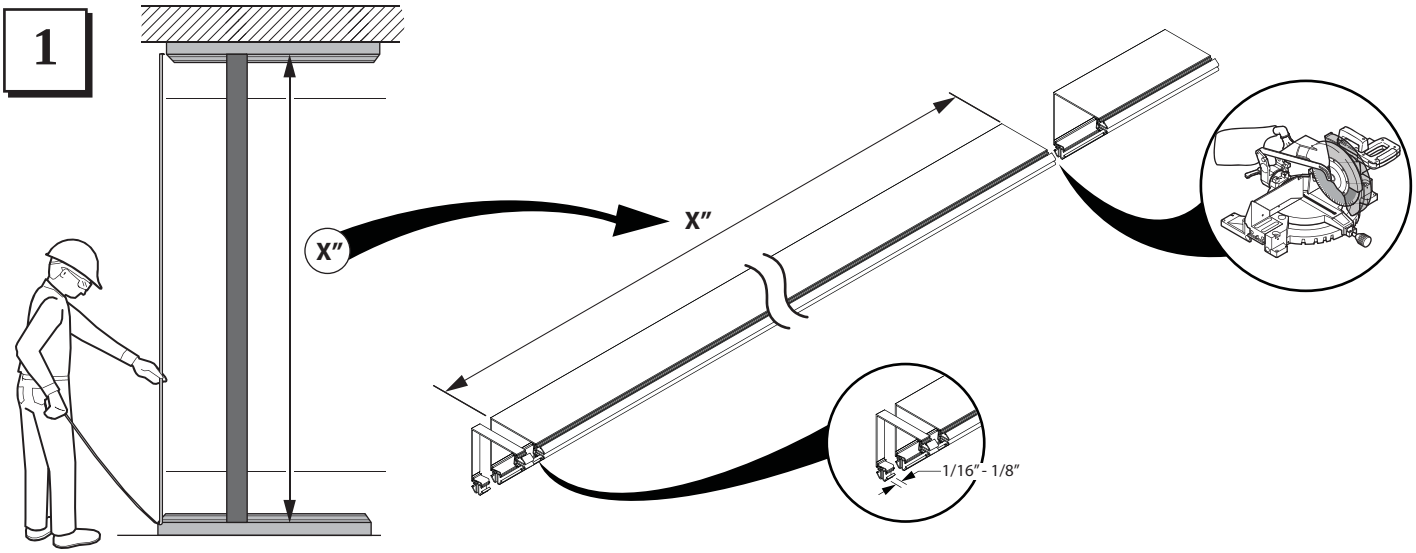
Floor-to-Top Rail
(Vertical)

Base Rail-to-Ceiling
(Vertical)

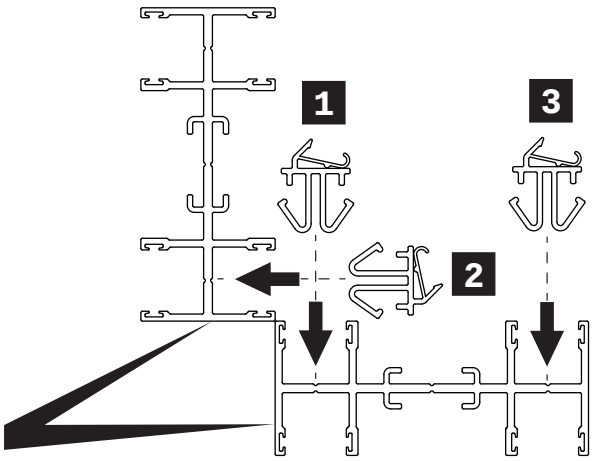
Base Rail-to-Top Rail
(Vertical)

Installation Steps

1

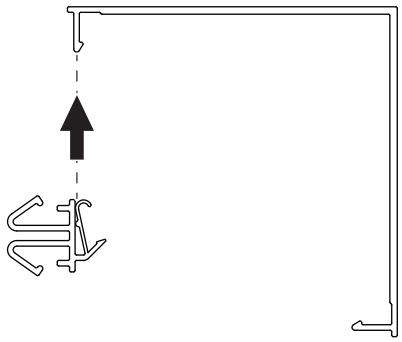


2

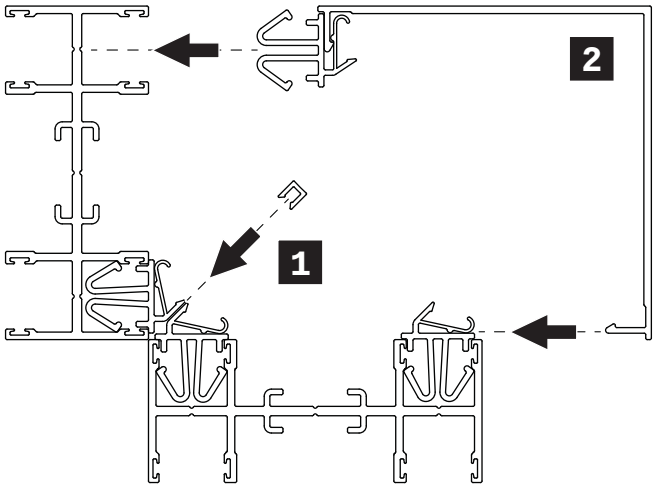


Connecting Rails may not be as shown.

3

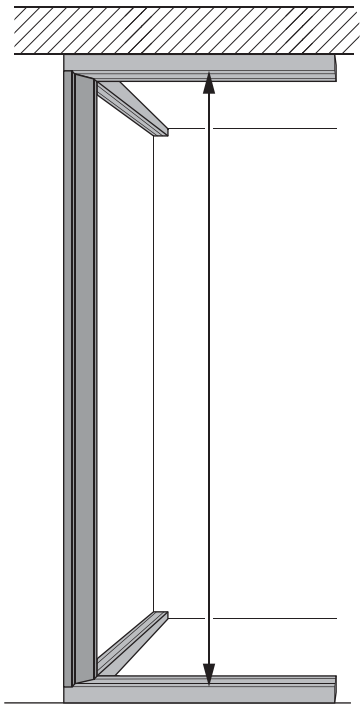


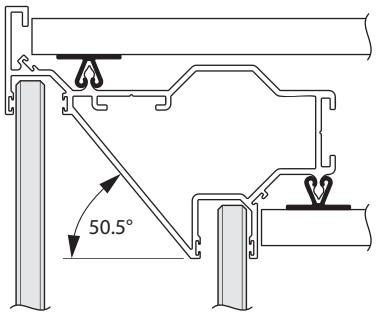
4



Application Options

Intersection, 2 Way 90, Mitre 119-1451

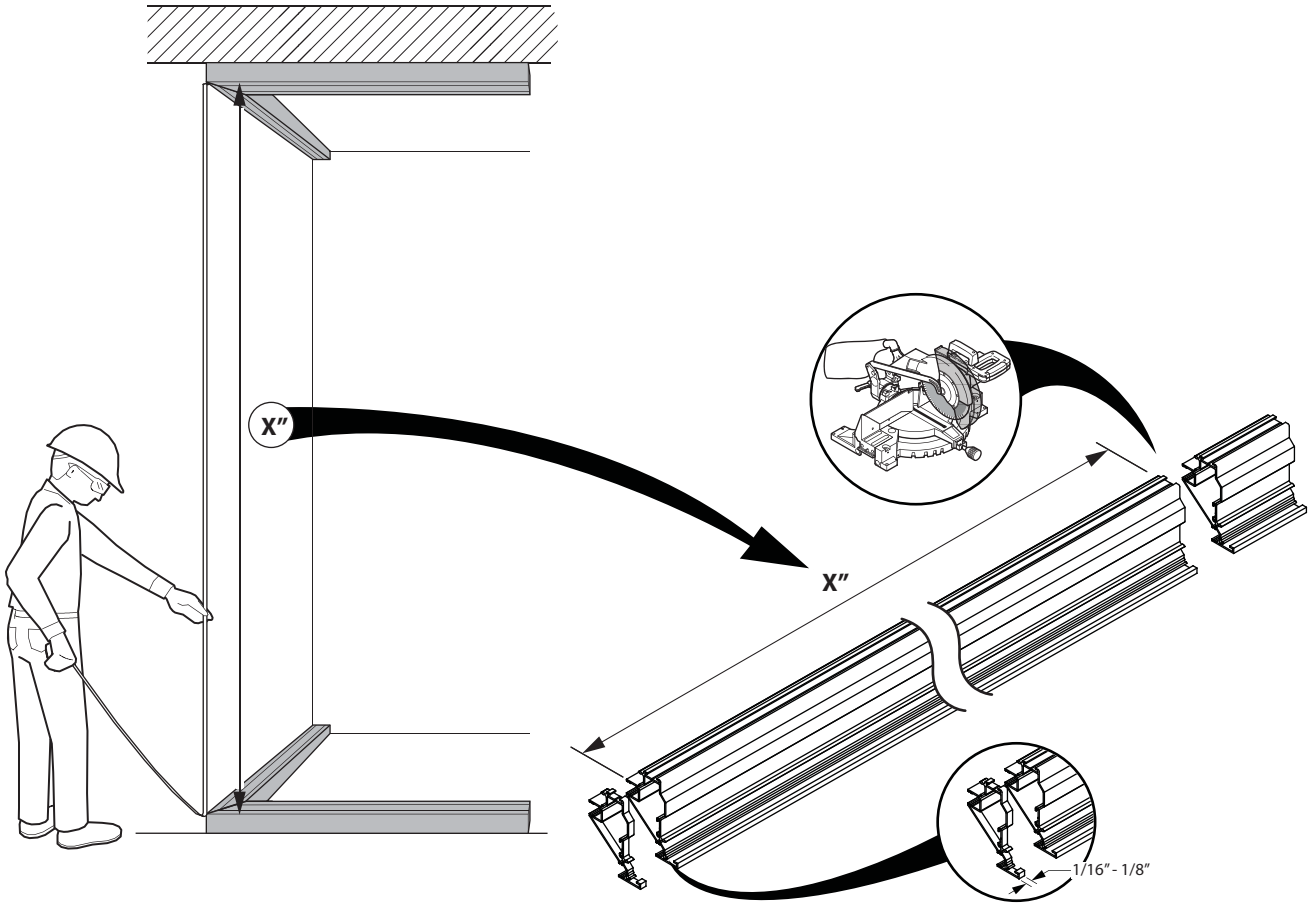




Base Rail-to-Top Rail
(Vertical)

Installation Steps

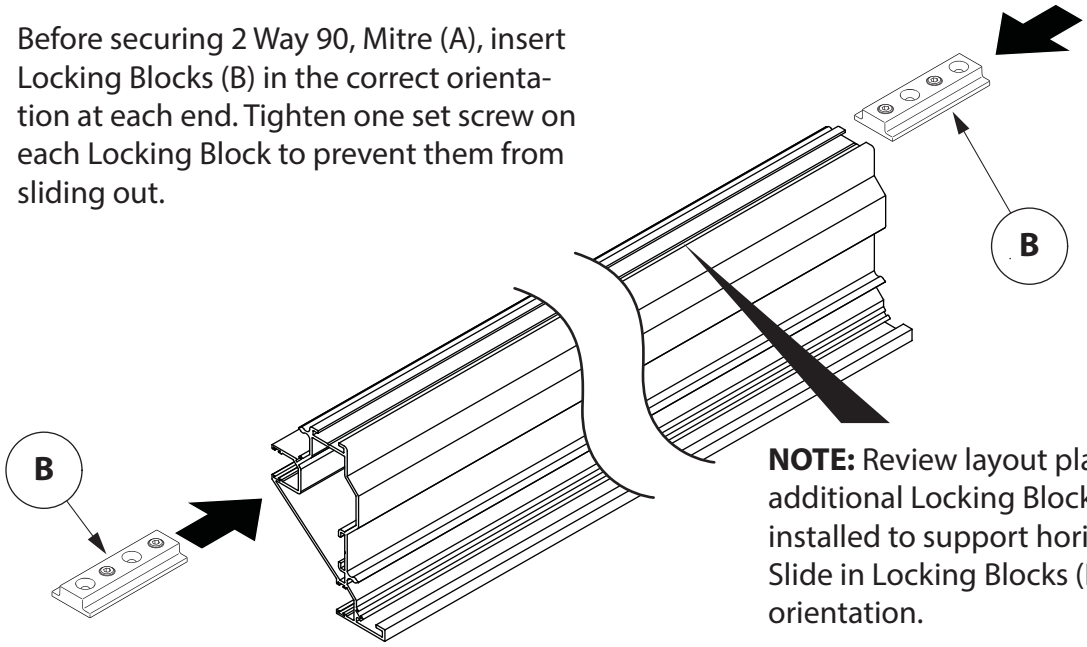
1



Installation Steps

2

Before securing 2 Way 90, Mitre (A), insert Locking Blocks (B) in the correct orientation at each end. Tighten one set screw on each Locking Block to prevent them from sliding out.

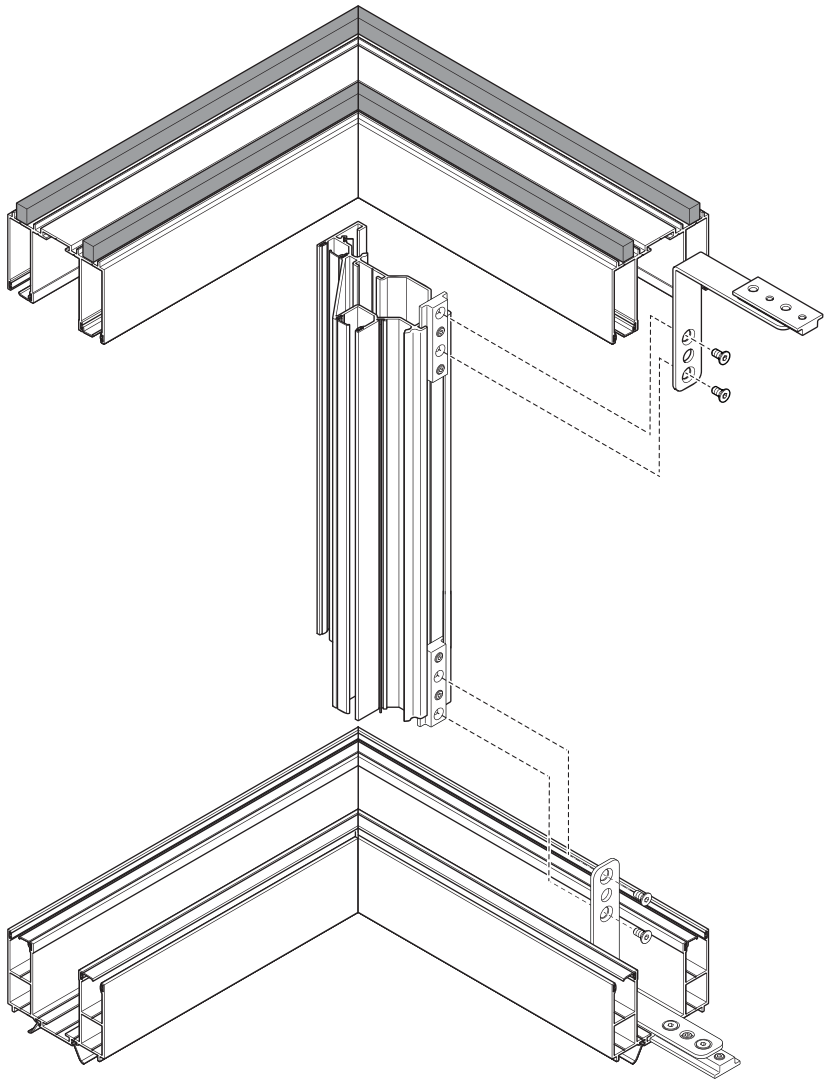


NOTE: Review layout plan to determine if additional Locking Blocks (B) need to be installed to support horizontal transitions. Slide in Locking Blocks (B) in the correct orientation.

Installation Steps

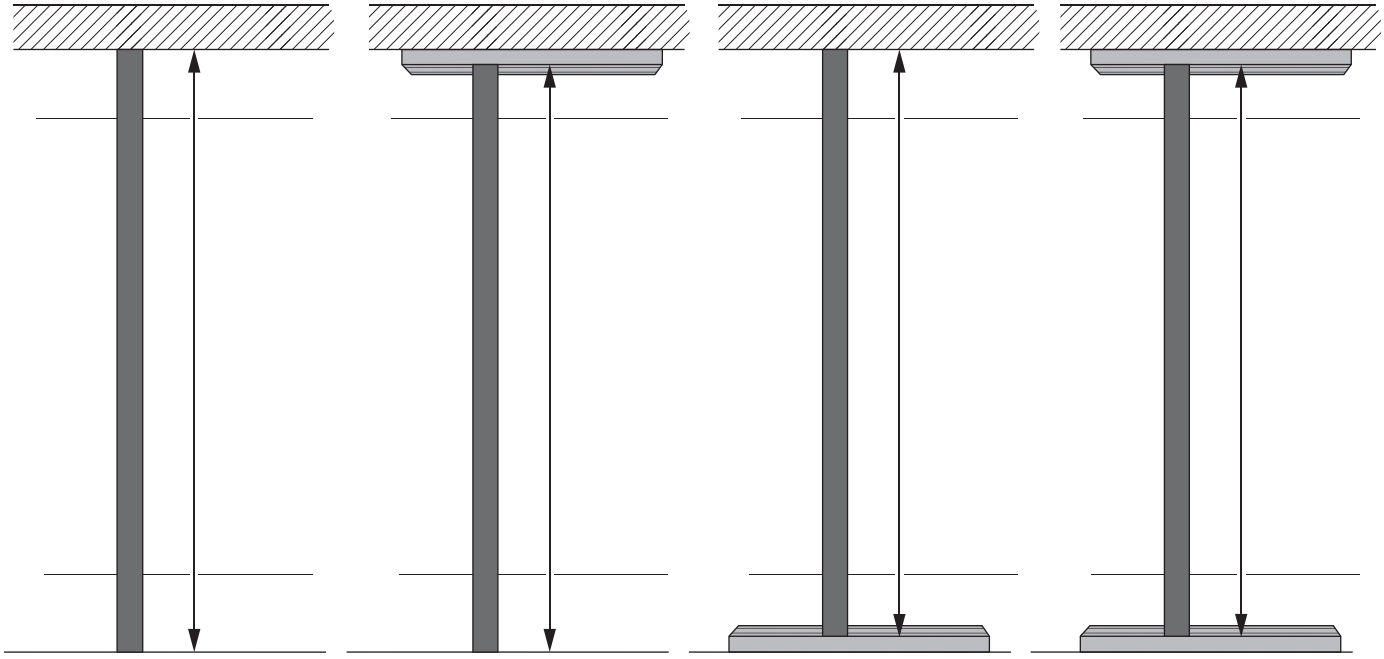
3

Tighten per Joint Type instructions detailed in Section 4.

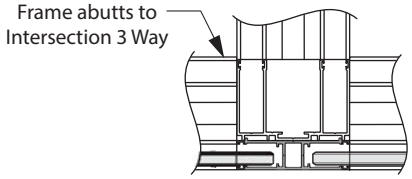


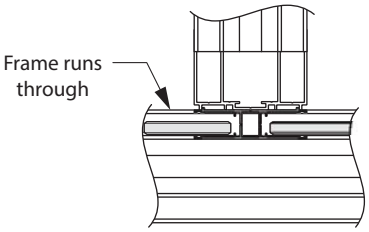
Application Options

Intersection, 3 Way 90, 1Chnl 119-1452



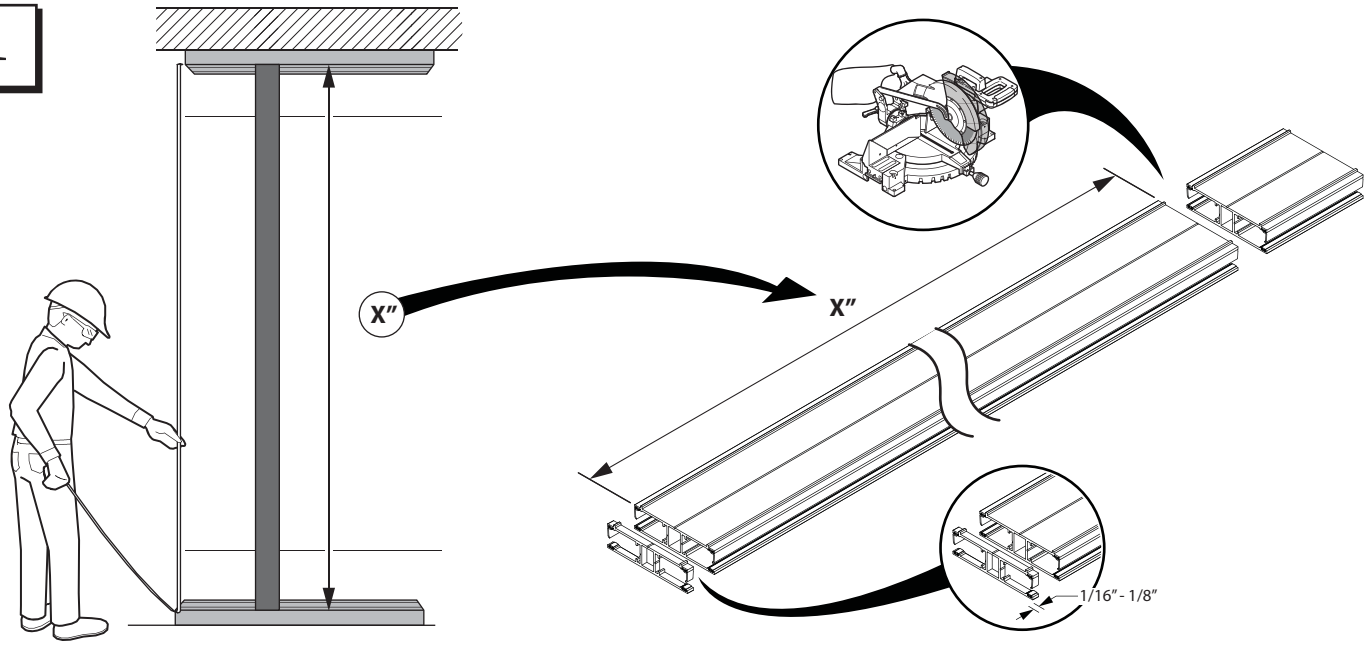
Floor-to-Ceiling (Vertical) | Floor-to-Top Rail (Vertical) | Base Rail-to-Ceiling (Vertical) | Base Rail-to-Top Rail (Vertical)





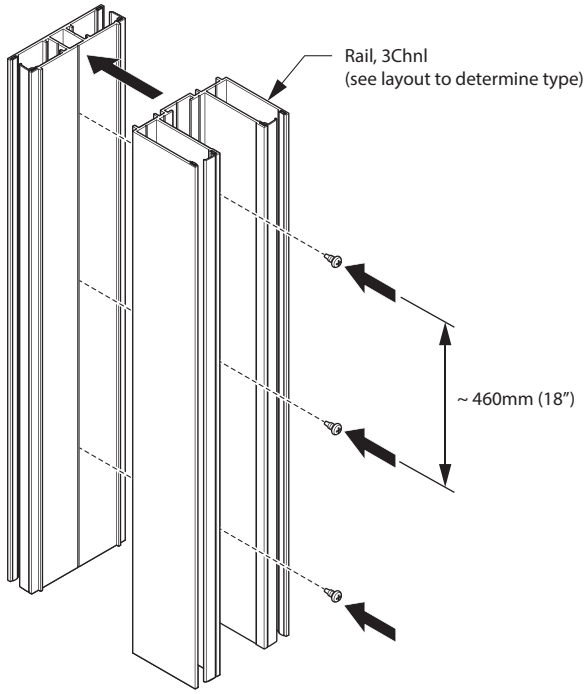
Installation Steps

1

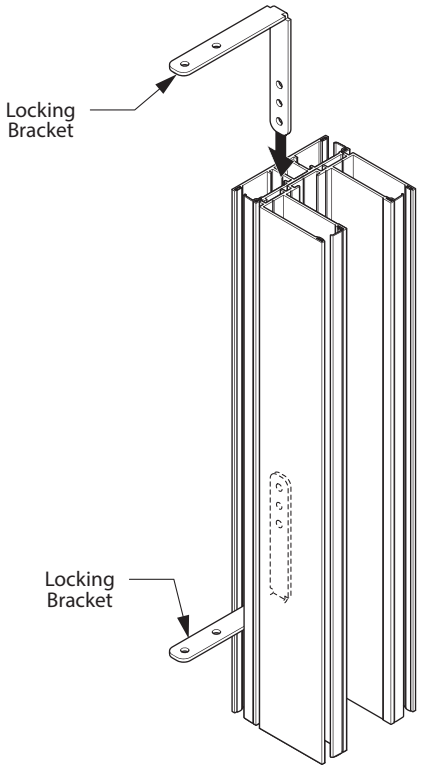


Installation Steps

2

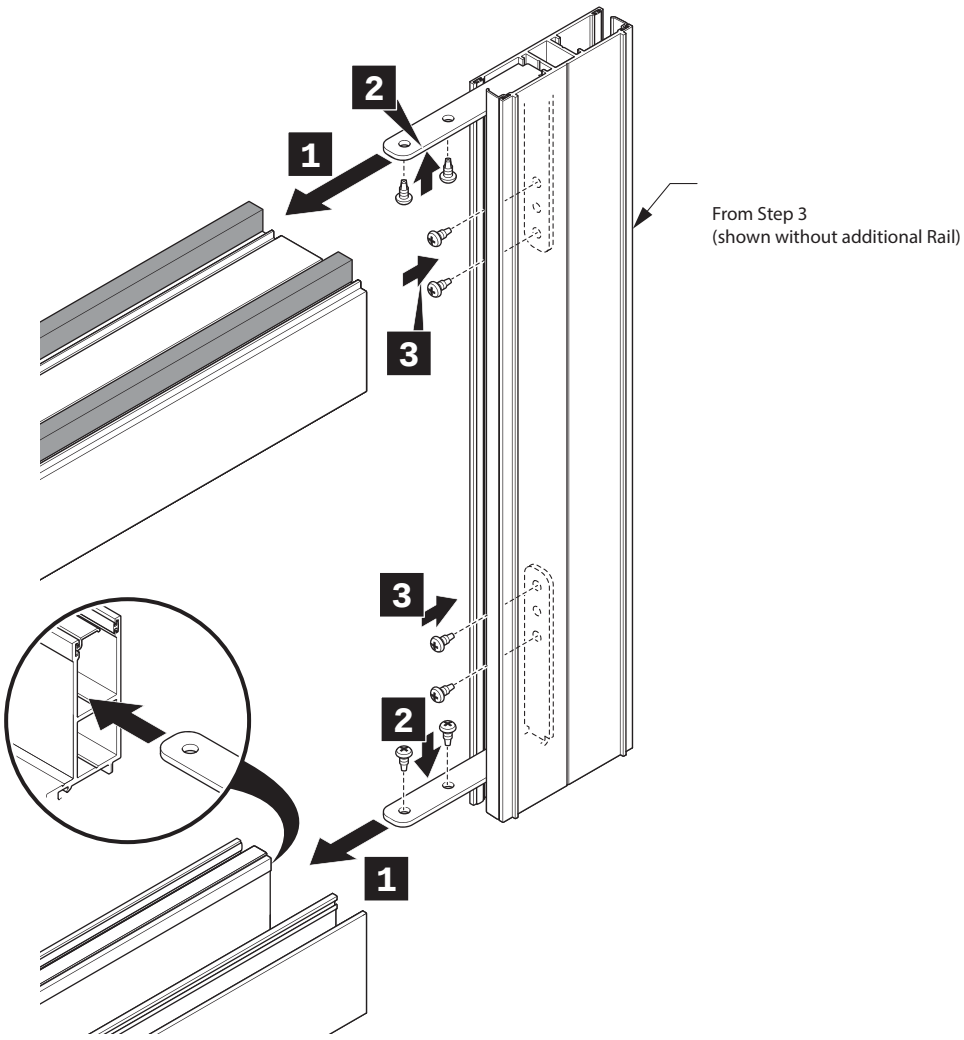


3



Installation Steps

4



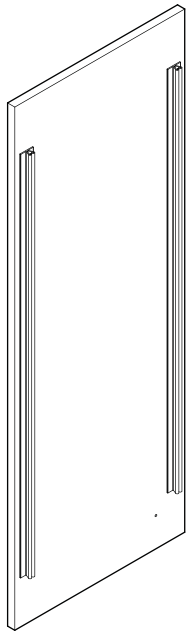
Section 10 - Solid Tile Panels

Panel Types

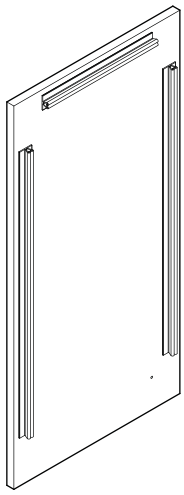
All panel tile types are available in:

- Veneer (WD)
- Melamine (TFL)
- Laminate (LAM)
- Painted Steel (PTD)
- Wallcovered Drywall (WLCV)

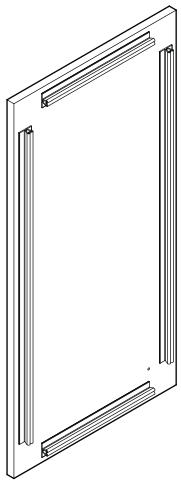
Tile Insert, Vt, Full Height
121-9926



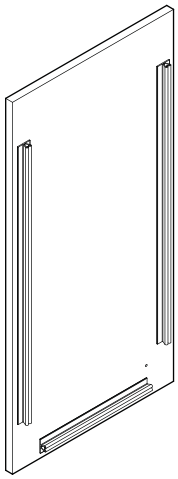
Tile Insert, Vt, Bottom
121-9927



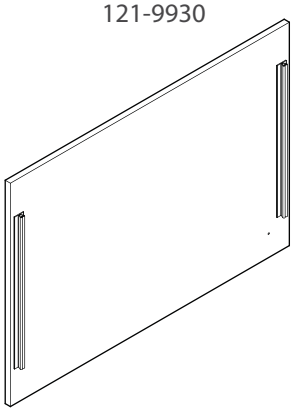
Tile Insert, Vt, Mid
121-9928



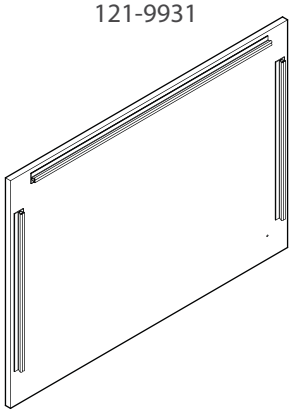
Tile Insert, Vt, Top
121-9929



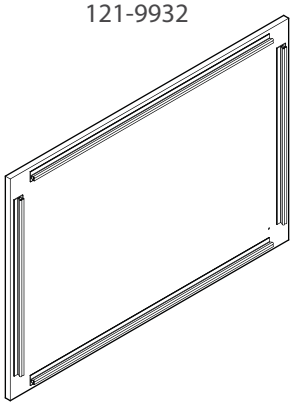
Tile Insert, Hz, Full Height
121-9930



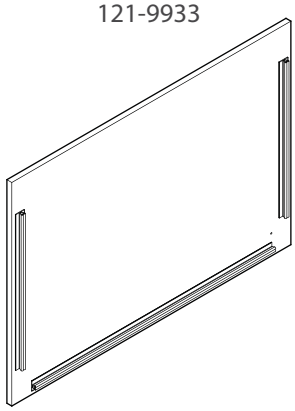
Tile Insert, Hz, Bottom
121-9931



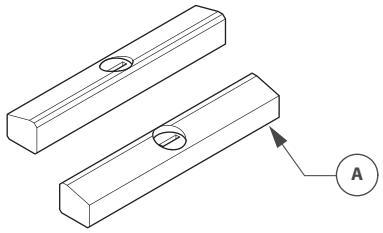
Tile Insert, Hz, Mid
121-9932



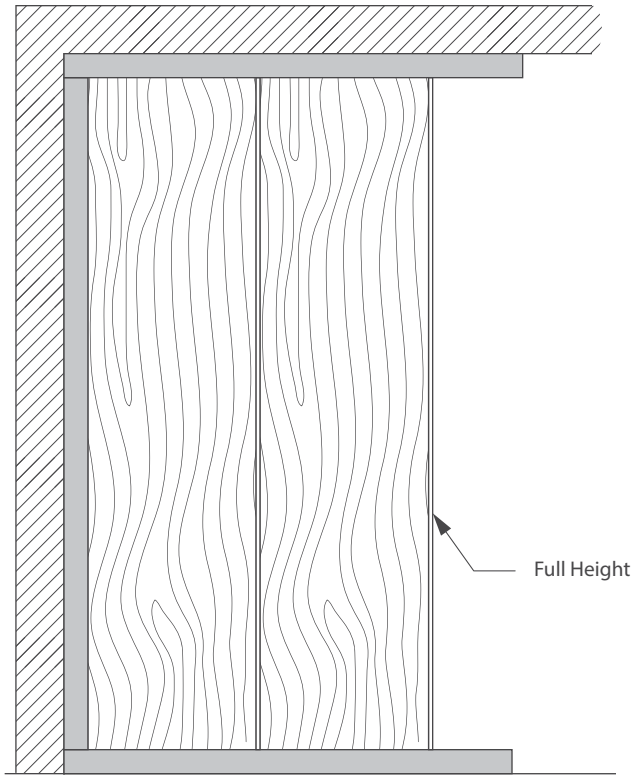
Tile Insert, Hz, Top
121-9933



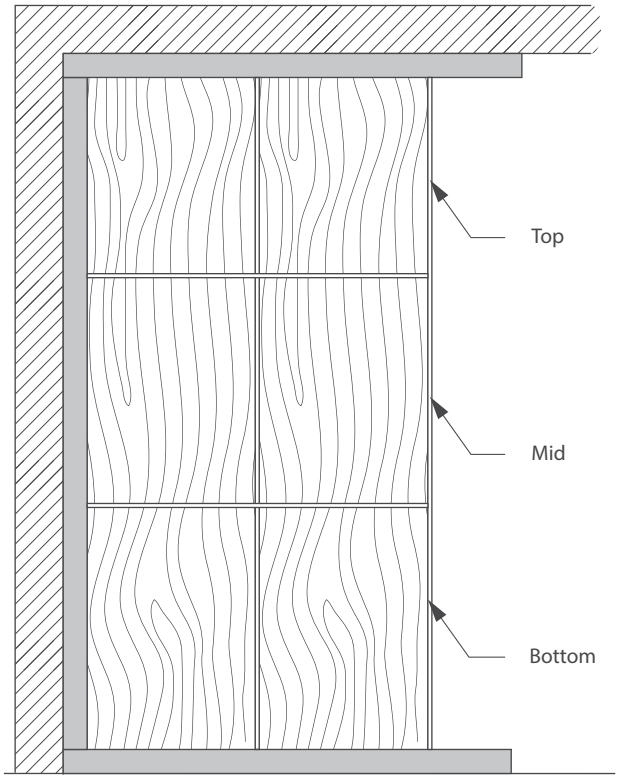
Supporting Components



Leveler Kit, Insert, Otr
119-1469



Full Height
(vertical tile shown)

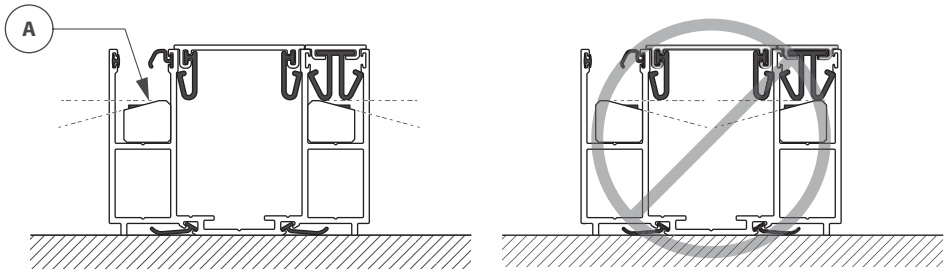


Segmented
(vertical tiles shown)

Installation Steps

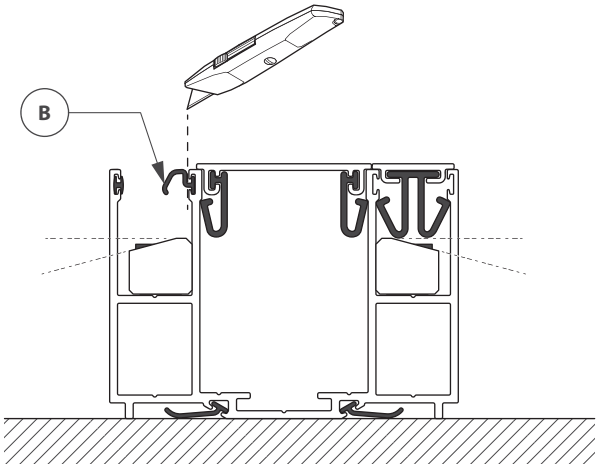
1

Ensure Levelers are in position. Levelers must slope to the outside of channel.

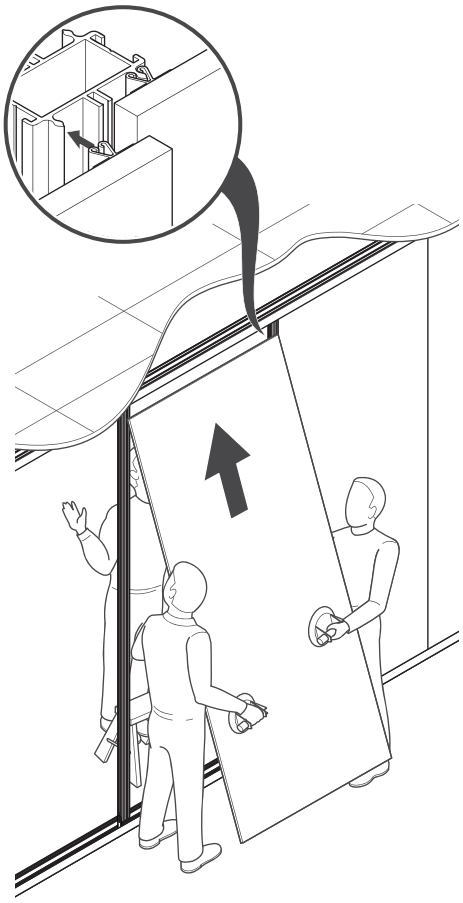


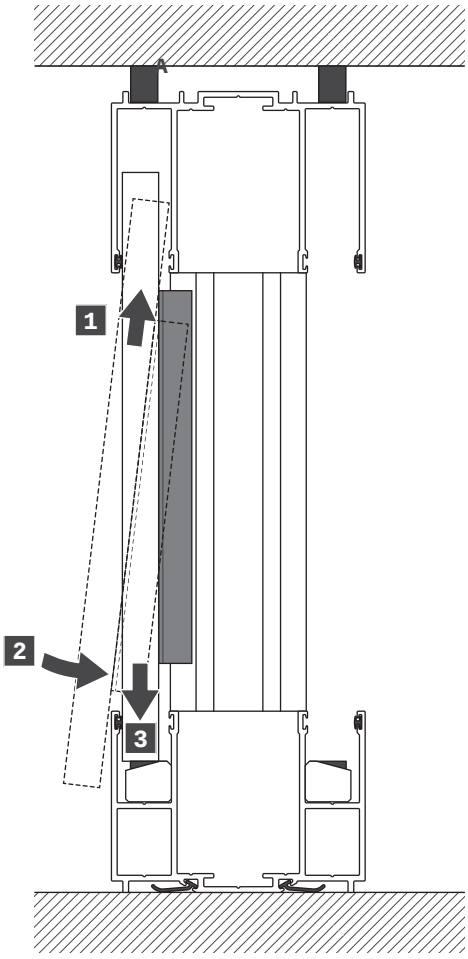
2

Only for (PTD) or (WLCV) Tile types. Trim away the Fin portion of the Channel Seals (B) in all rails that the Tile will be inserted into.

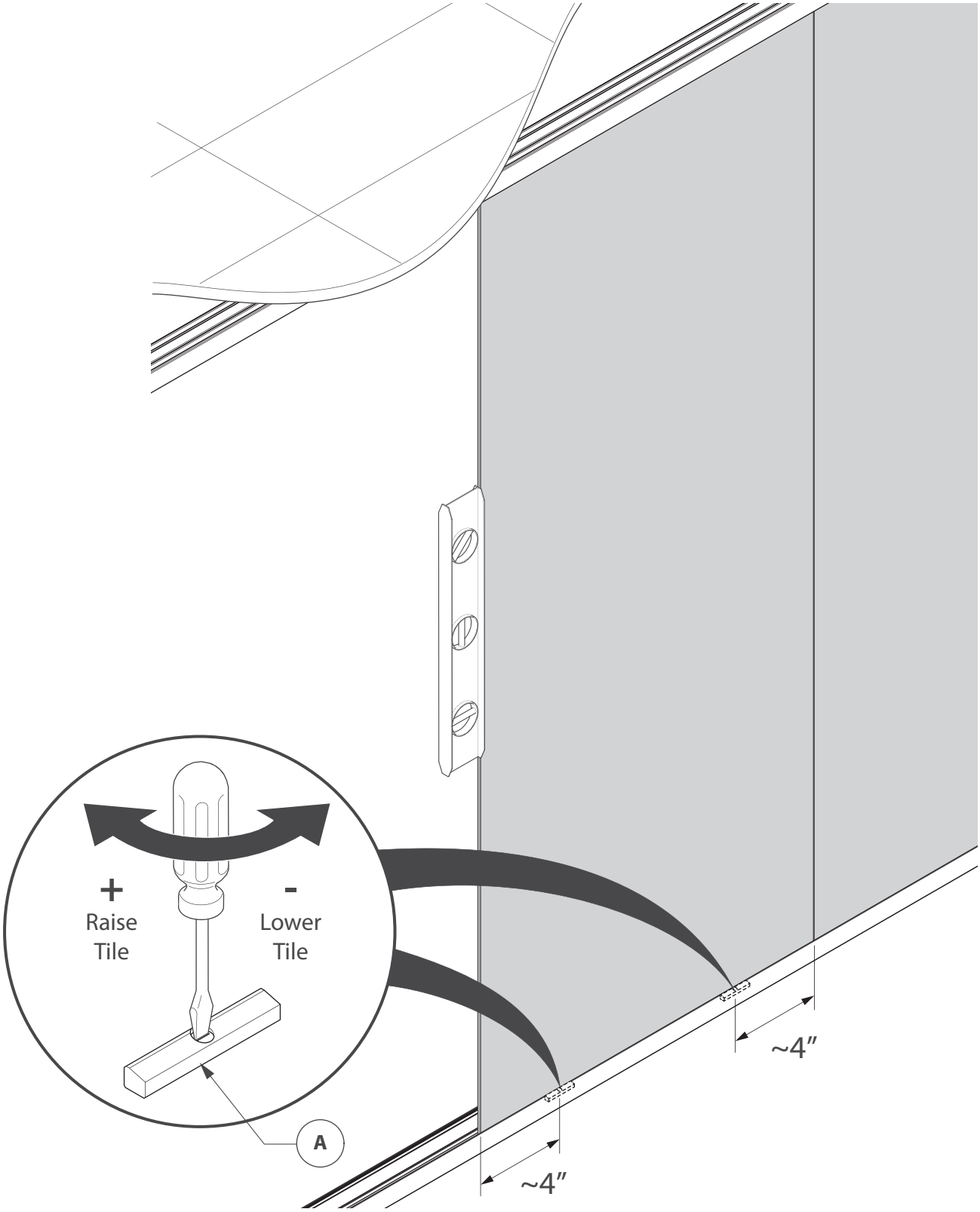


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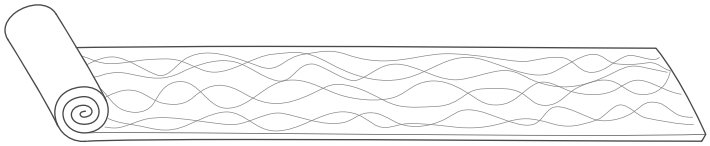




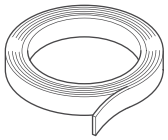
4



Insulation, Acoustic, 21”
119-1476



TVT Insulation Tape HWP
120-3168



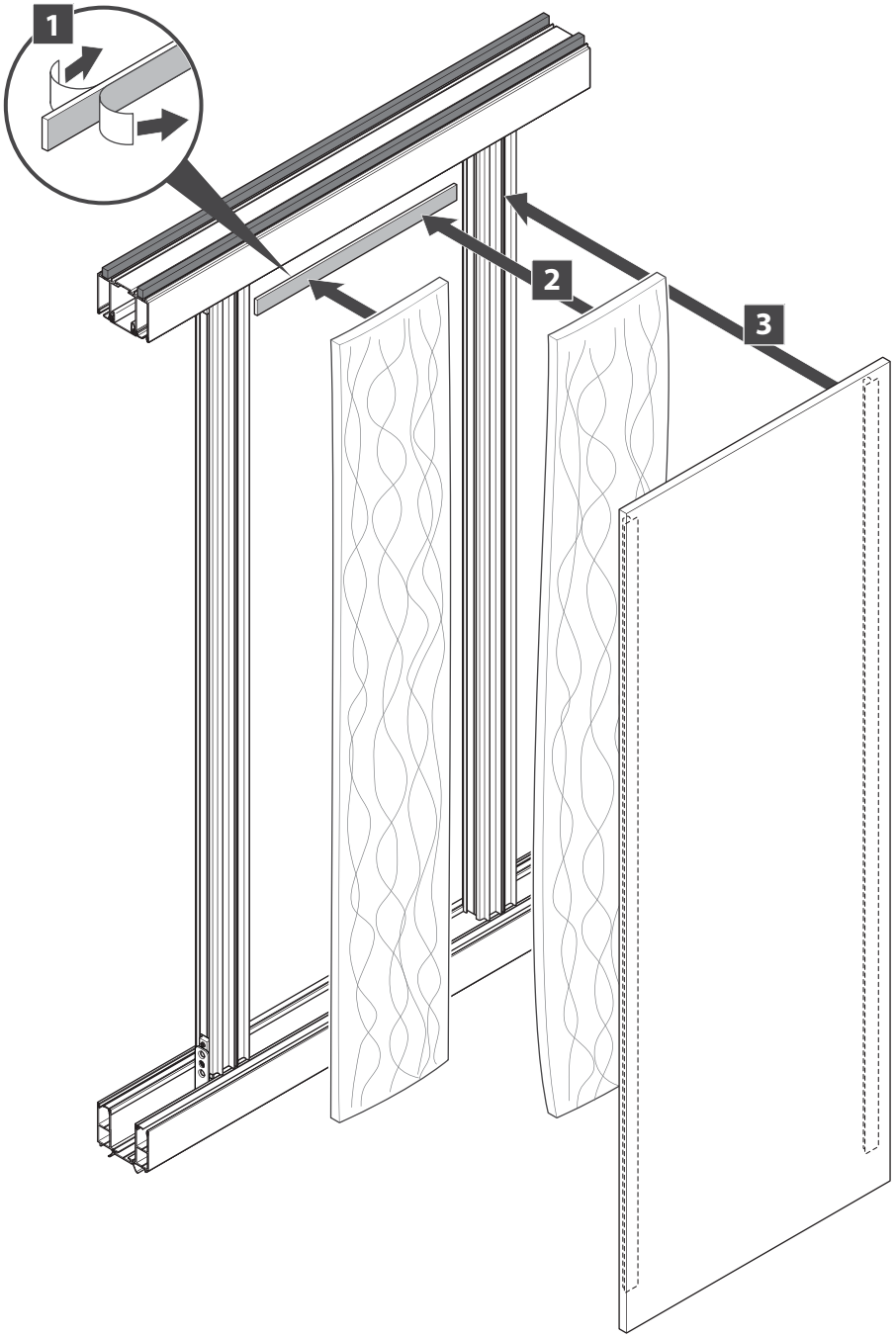
1) Apply length of tape horizontally on the top of the installed solid panel.

2) Peel the backing of the tape that was attached on the installed panel to expose the adhesive.

3) Cut insulation strip to the require length.

4) Apply the insulation onto the tape using the foil side of insulation. Ensure that insulation tucks into the top and bottom center channels.

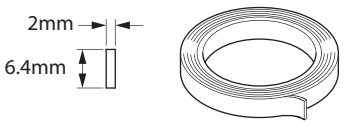
5) Assemble the remainder solid tile panel into position.

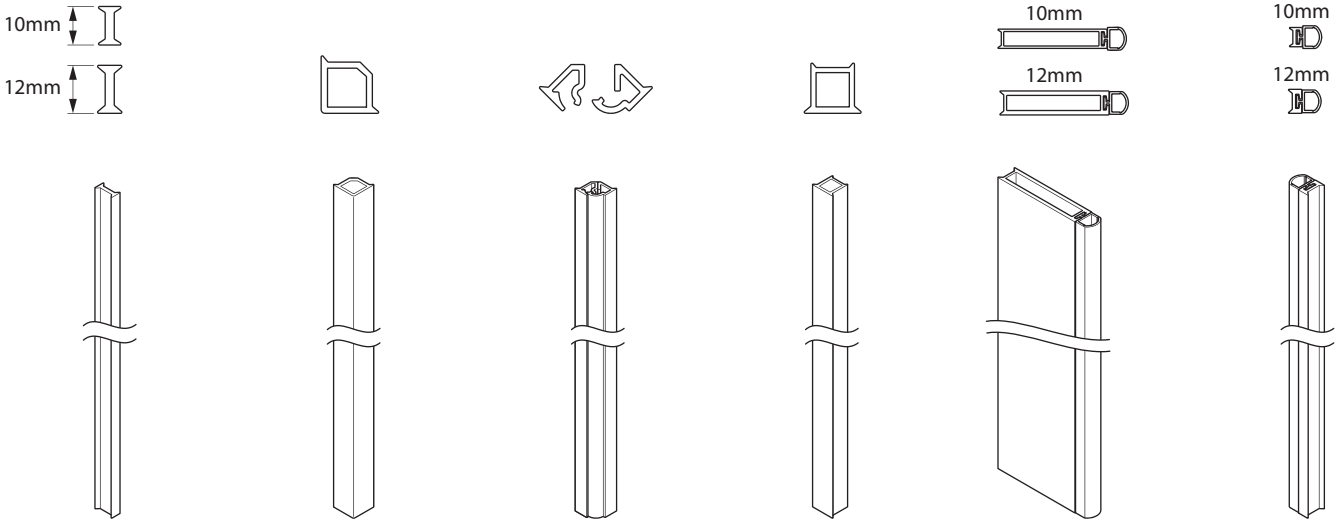


Section 11 - Glass Panels & Glazing Connectors

Connector Types

Glazing Connector,
Tape 2mm
119-1453





Glazing Connector,
Inline, 10mm
119-1454

Glazing Connector,
Inline, 12mm
119-1455

Glazing Connector,
2 Way 90
119-1456

Glazing Connector,
2 Way Vara
119-1457

Glazing Connector,
3 Way 90
119-1458

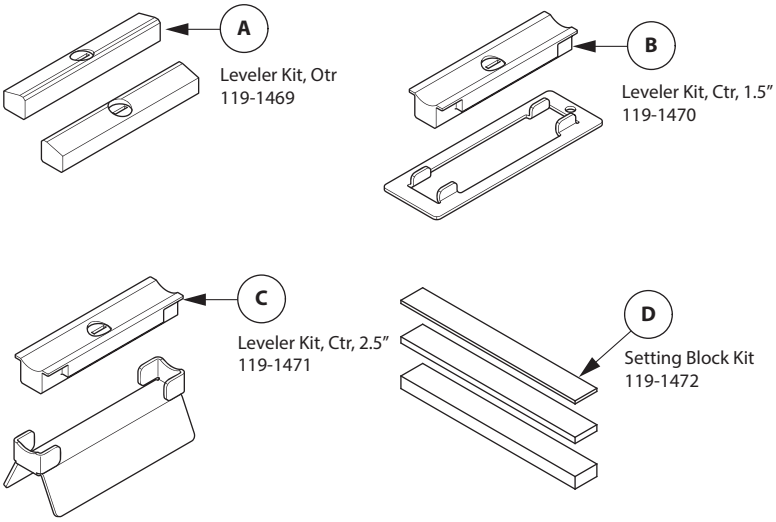
Glazing Connector,
3 Way Brdg, 10mm
119-1461

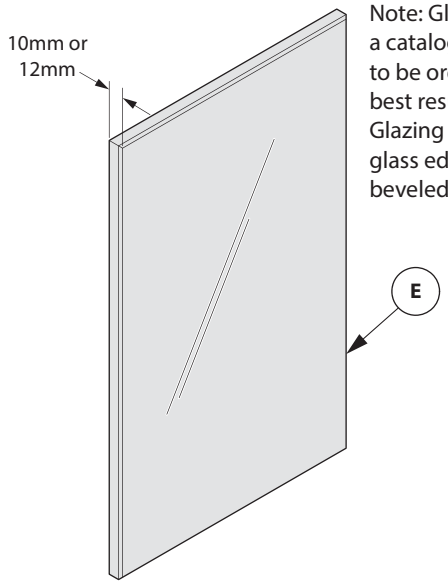
Glazing Connector,
3 Way Brdg, 12mm
119-1462

Glazing Connector,
3 Way Vara, 10mm
119-1459

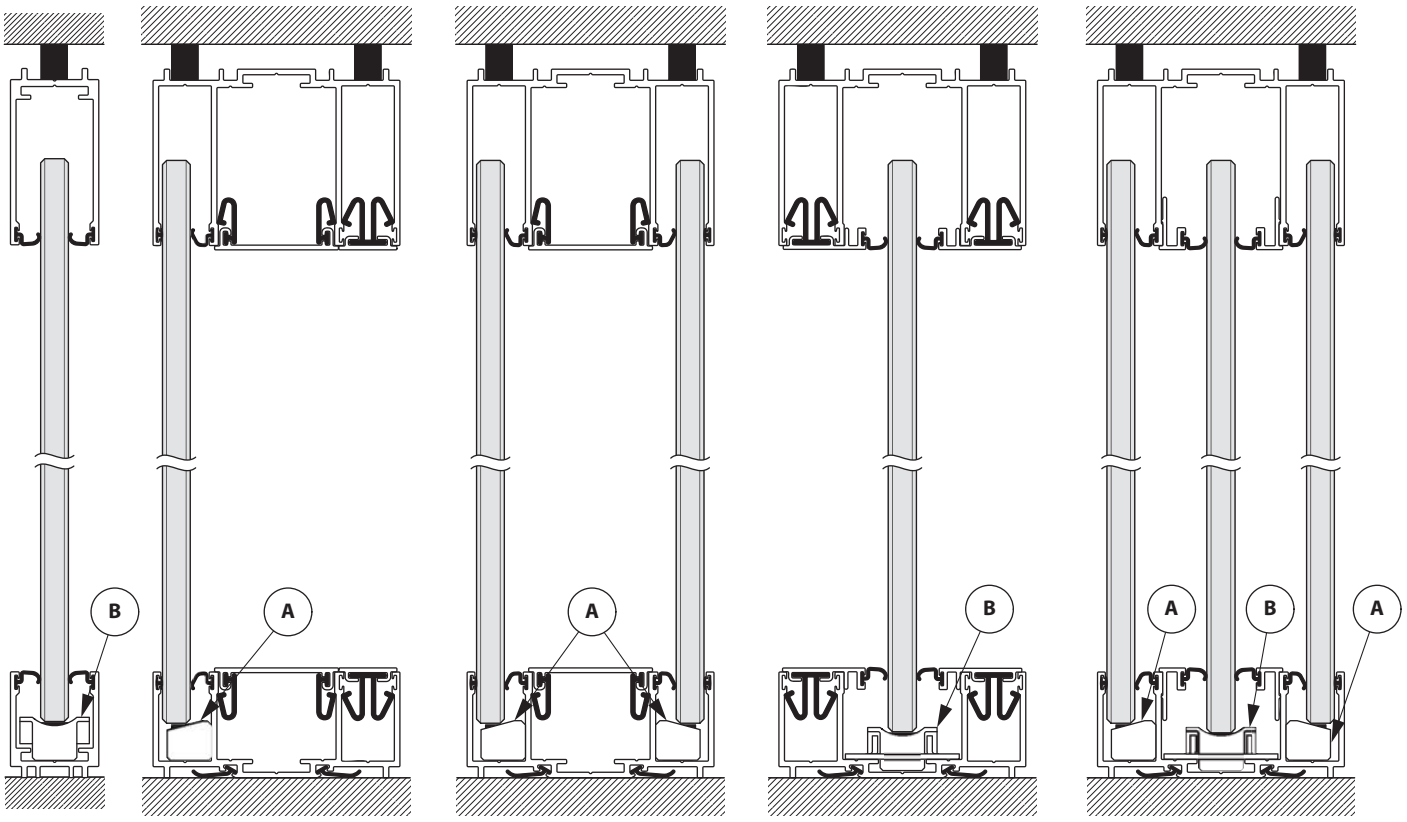
Glazing Connector,
3 Way Vara, 12mm
119-1460

Supporting Components

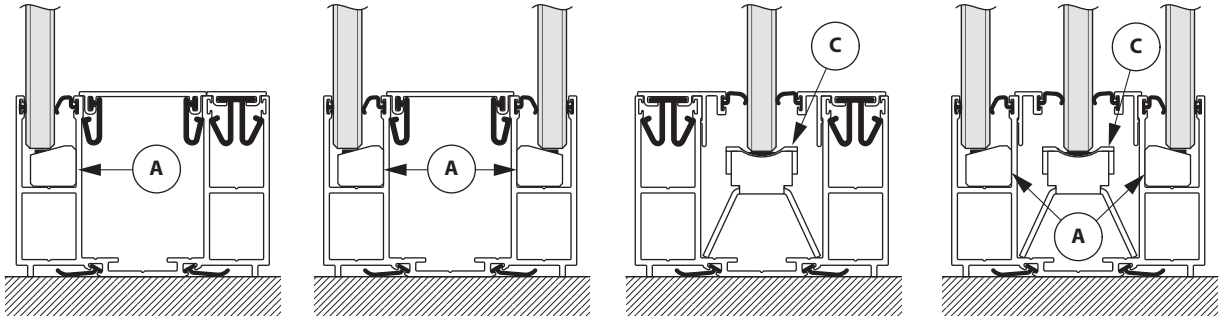




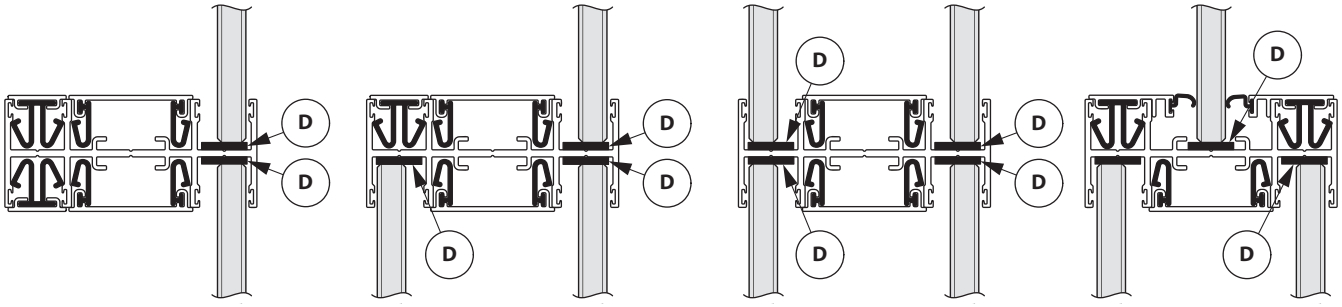
Note: Glass panels are not a catalogue item and are to be ordered localy. For best results with the Glazing Connectors, all glass edges are to be beveled to 1.5mm (1/16").



Single Channel | Single Glazed (outer) | Double Glazed | Center Glazed | Triple Glazed



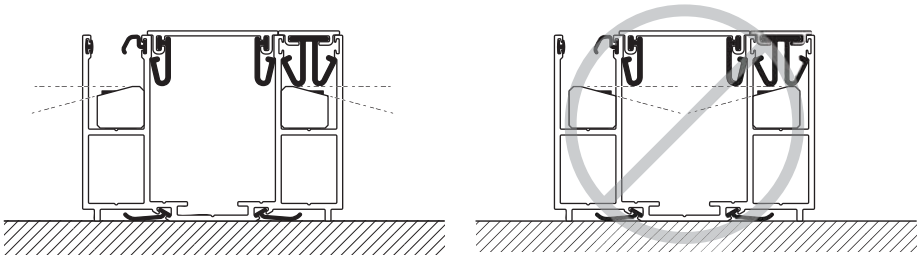
Single Glazed (outer) | Double Glazed | Center Glazed | Triple Glazed



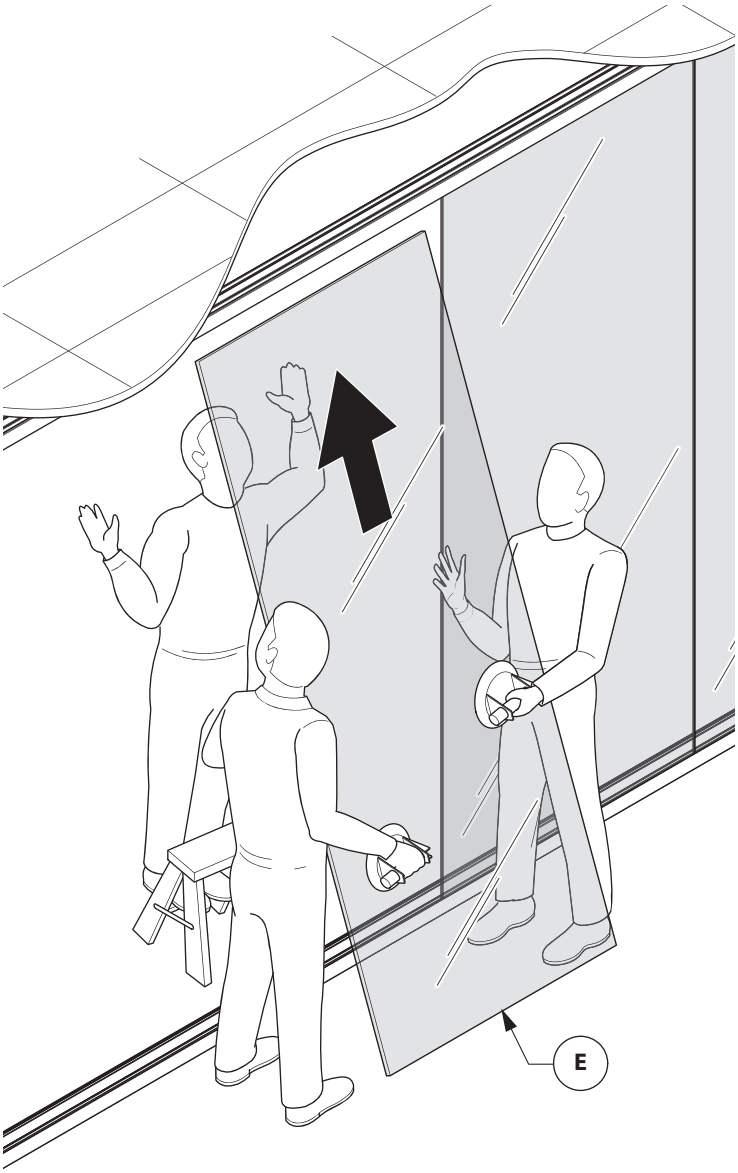
Segmented Glass Panels using a Standard Transition Rail horizontally

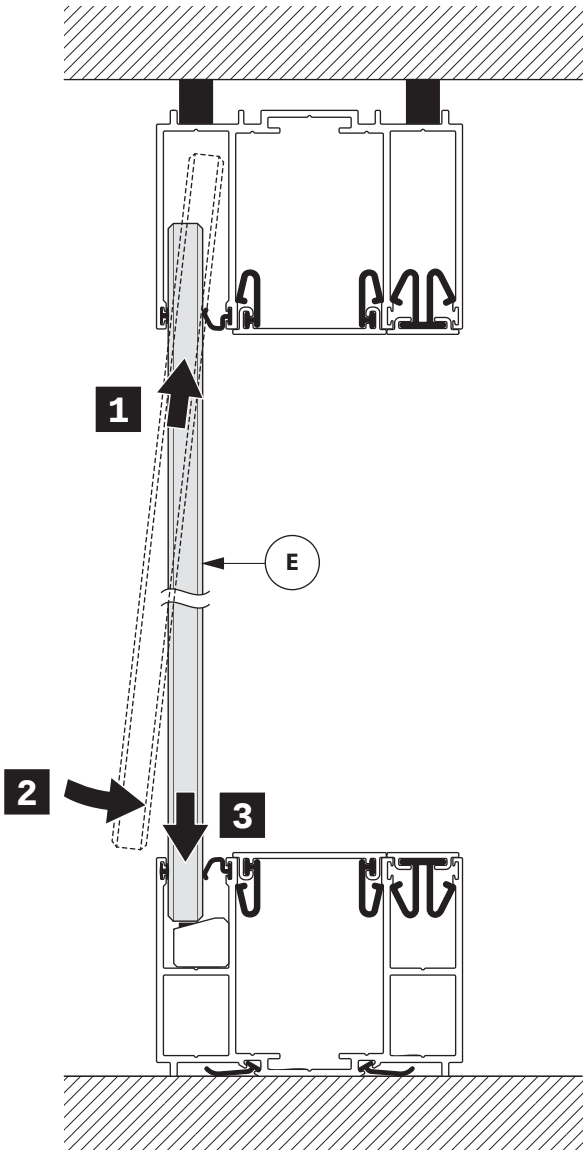
1

Ensure Levelers (A, B, or C) are in position based on the Base Rail type. (Double Glazed application shown)



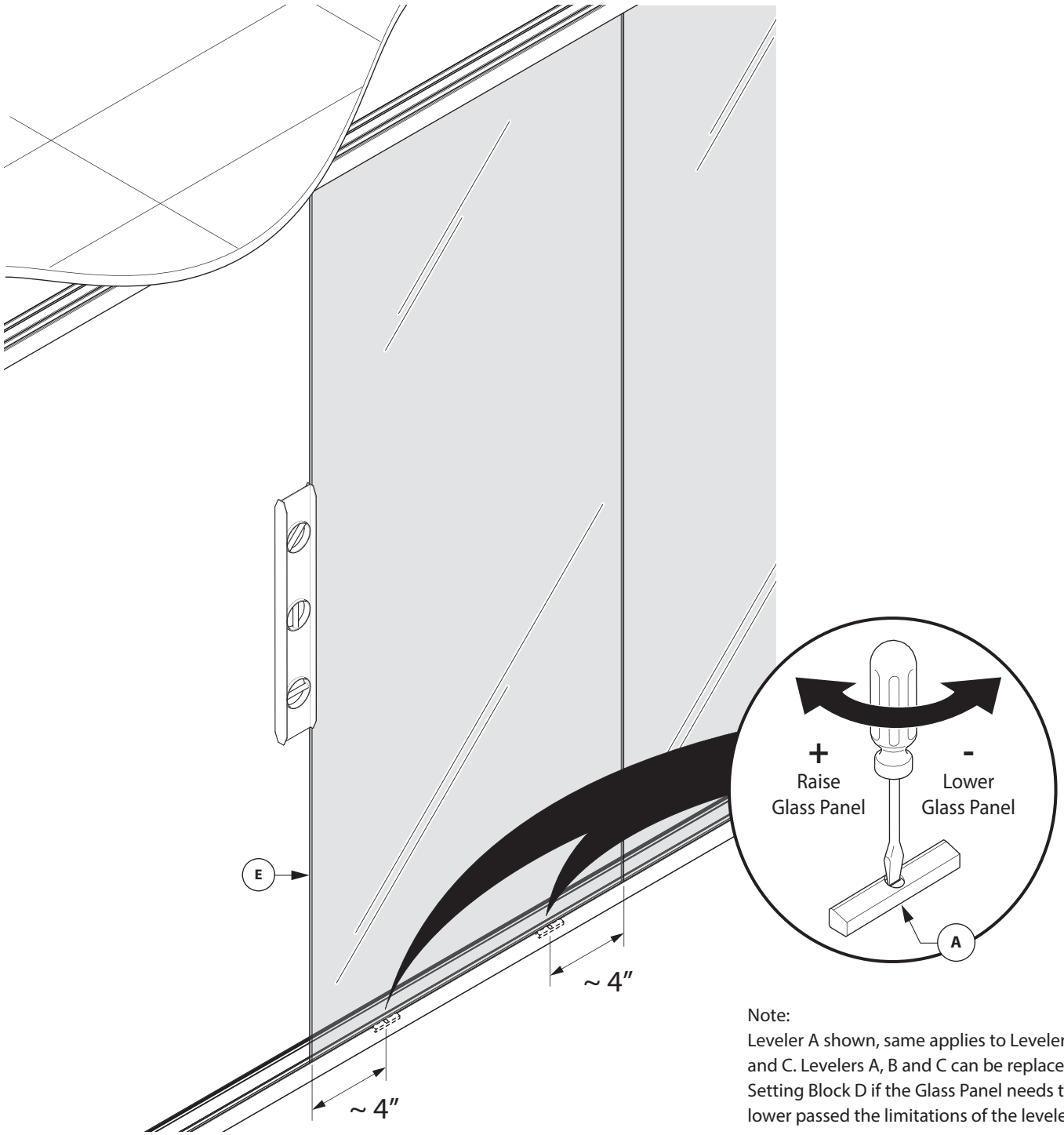
2



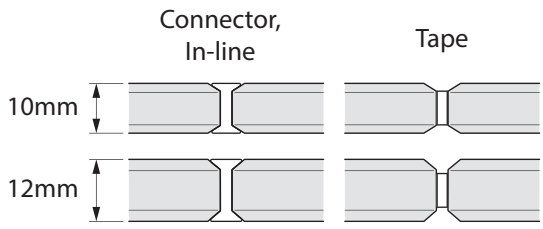


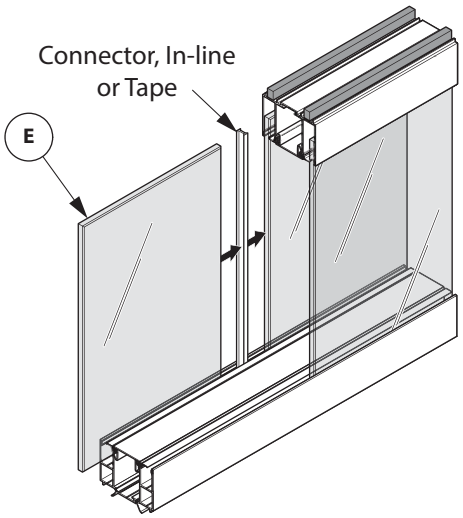
(Single Glazed - outer application shown)

3



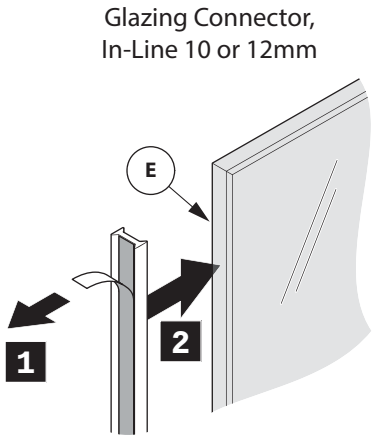
Note:
Leveler A shown, same applies to Levelers B and C. Levelers A, B and C can be replaced for Setting Block D if the Glass Panel needs to lower passed the limitations of the leveler.

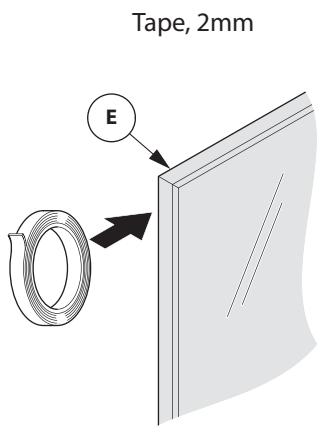




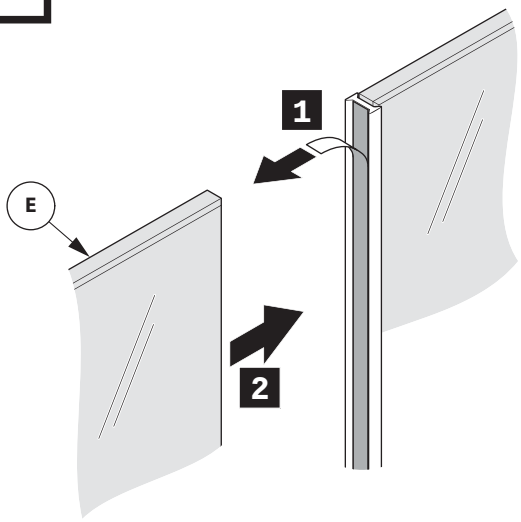
1

NOTE: Prep edge of glass with a 50/50 Isopropyl Alcohol and distilled water solution. A damp lint free cloth is pulled in one motion from top to bottom of glass edge. Once prepped the installer cannot touch the edge again. The connector is applied to the prepped edge starting at the top working downwards. The red backer of the 2 sided tape is removed as you work down the edge.



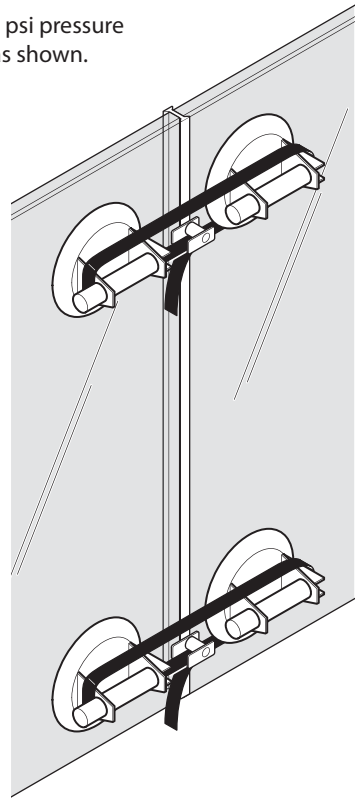


2

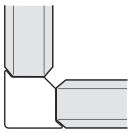


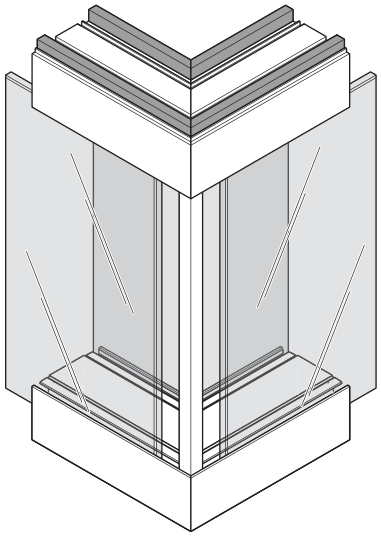
3

NOTE: Apply 20 psi pressure for 15 minutes as shown.



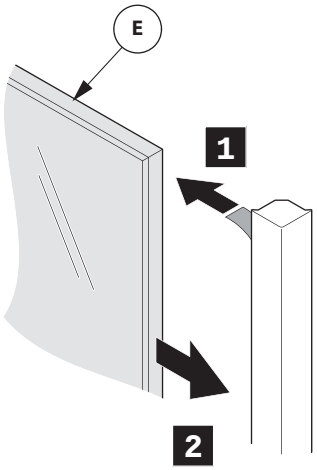
Connector,
2 Way 90



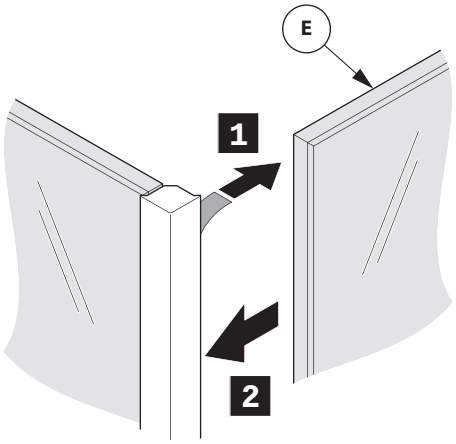


1

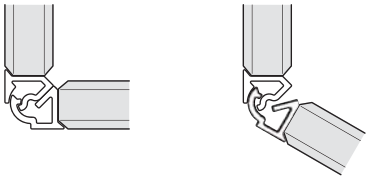
NOTE: Prep edge of glass with a 50/50 Isopropyl Alcohol and distilled water solution. A damp lint free cloth is pulled in one motion from top to bottom of glass edge. Once prepped the installer cannot touch the edge again. The connector is applied to the prepped edge starting at the top working downwards. The red backer of the 2 sided tape is removed as you work down the edge.

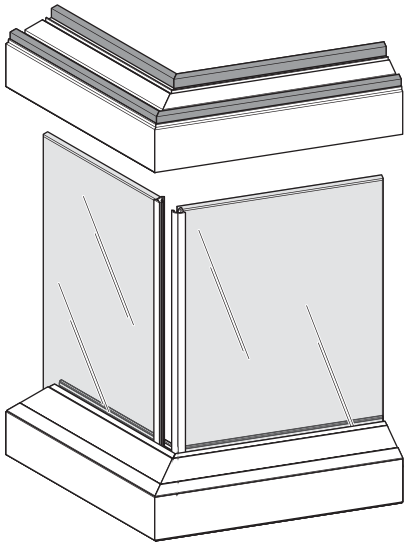


2



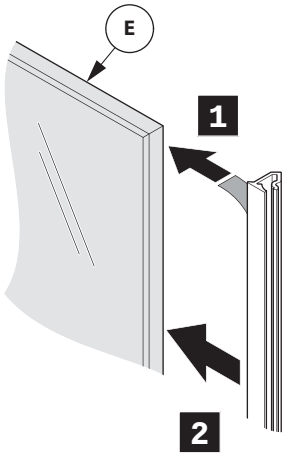
Connector,
2 Way, Vara



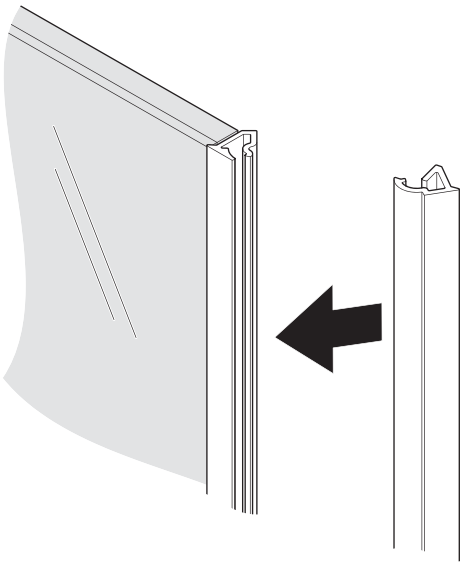


1

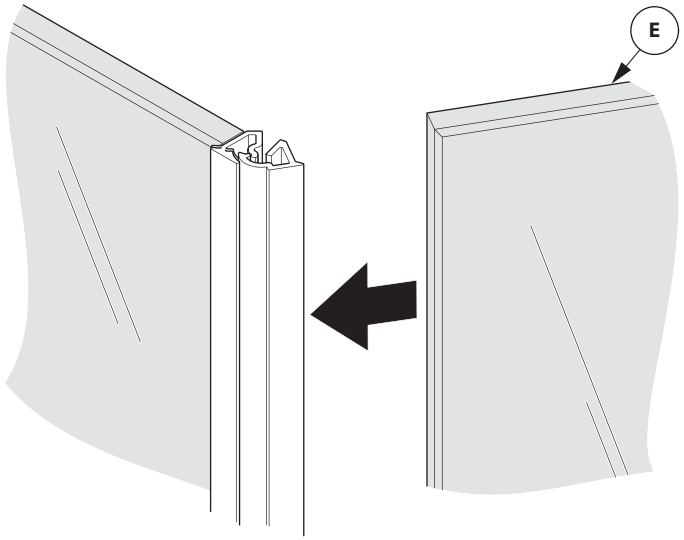
NOTE: Prep edge of glass with a 50/50 Isopropyl Alcohol and distilled water solution. A damp lint free cloth is pulled in one motion from top to bottom of glass edge. Once prepped the installer cannot touch the edge again. The connector is applied to the prepped edge starting at the top working downwards. The red backer of the 2 sided tape is removed as you work down the edge.



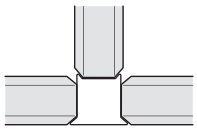
2

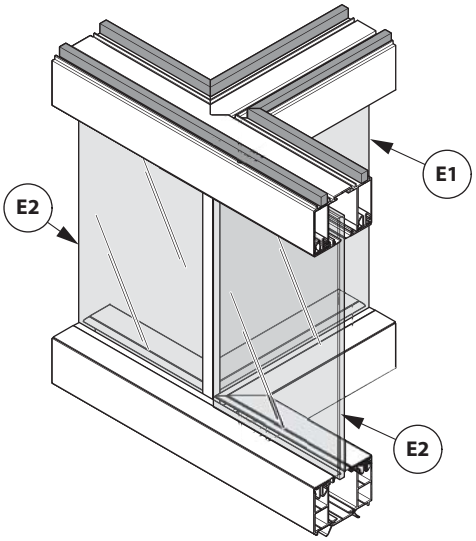


3



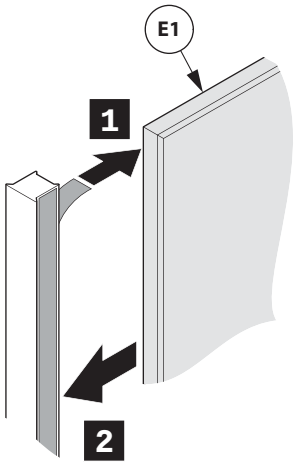
Connector,
3 Way 90





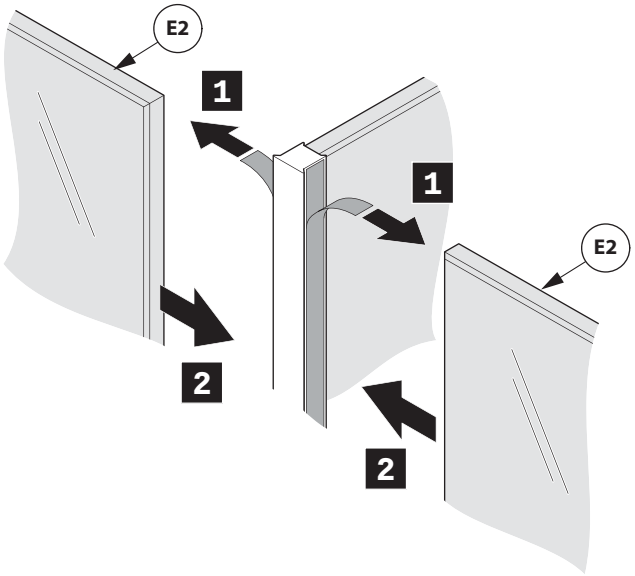
1

NOTE: Prep edge of glass with a 50/50 Isopropyl Alcohol and distilled water solution. A damp lint free cloth is pulled in one motion from top to bottom of glass edge. Once prepped the installer cannot touch the edge again. The connector is applied to the prepped edge starting at the top working downwards. The red backer of the 2 sided tape is removed as you work down the edge.



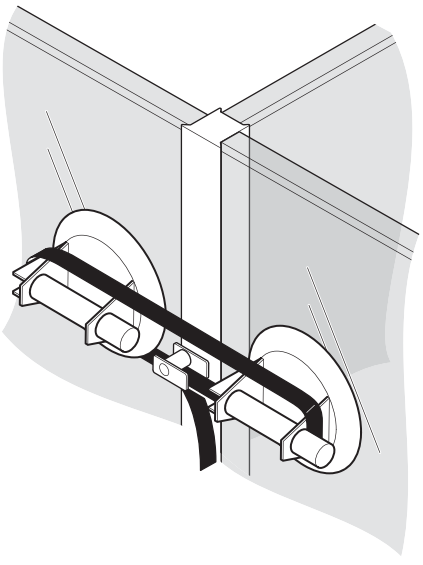
2

NOTE: Prep edges as per step 1.

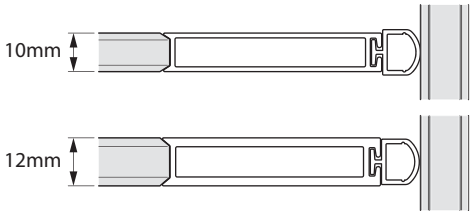


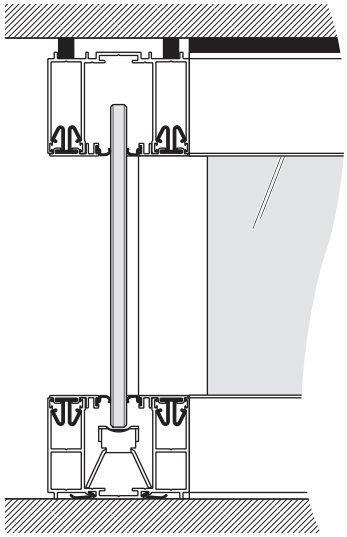
3

NOTE: Apply 20 psi pressure for 15 minutes as shown. Use (2) sets of Cups. Apply at top and bottom.

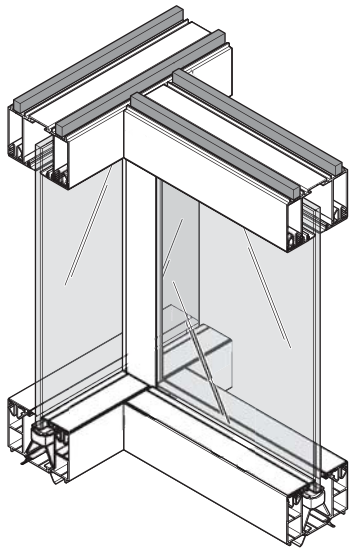


Connector,
In-Line, Brdg



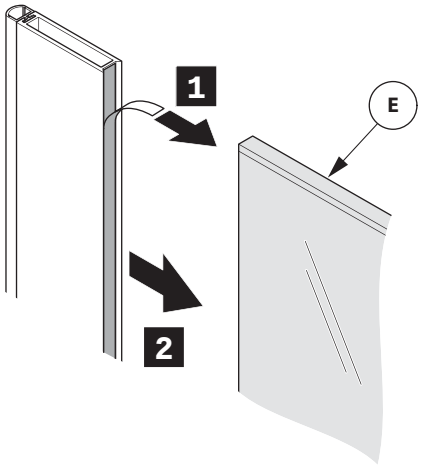


END VIEW

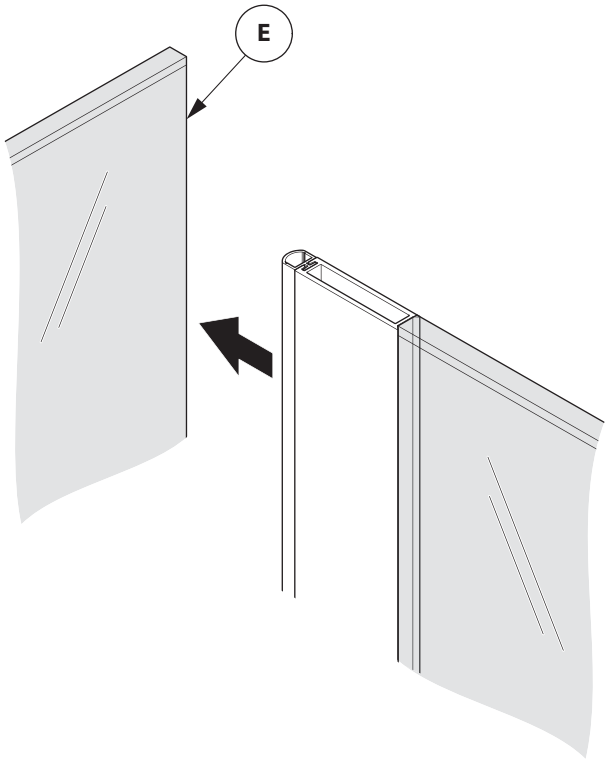


1

NOTE: Prep edge of glass with a 50/50 Isopropyl Alcohol and distilled water solution. A damp lint free cloth is pulled in one motion from top to bottom of glass edge. Once prepped the installer cannot touch the edge again. The connector is applied to the prepped edge starting at the top working downwards. The red backer of the 2 sided tape is removed as you work down the edge.

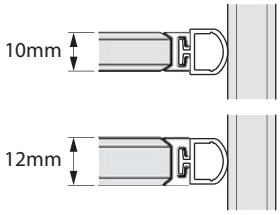


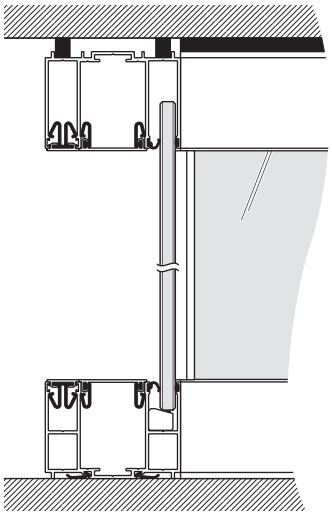
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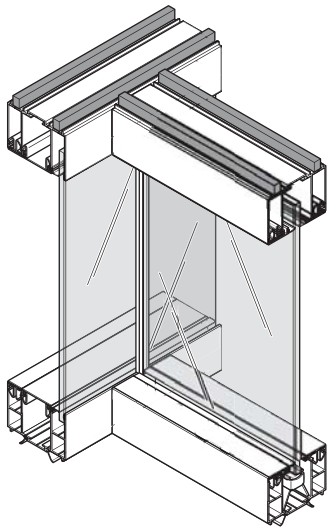
Glazing Connectors

Connector,
In-Line, Vara



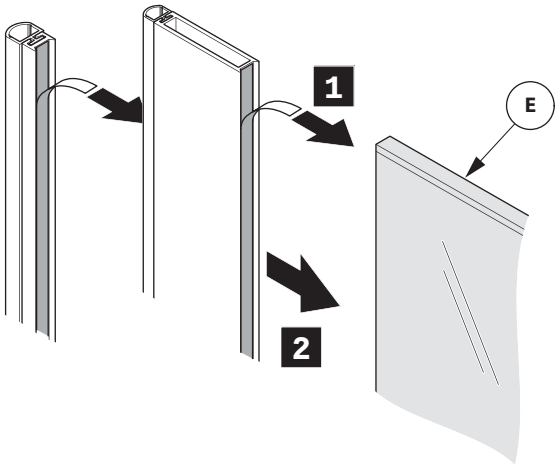


END VIEW

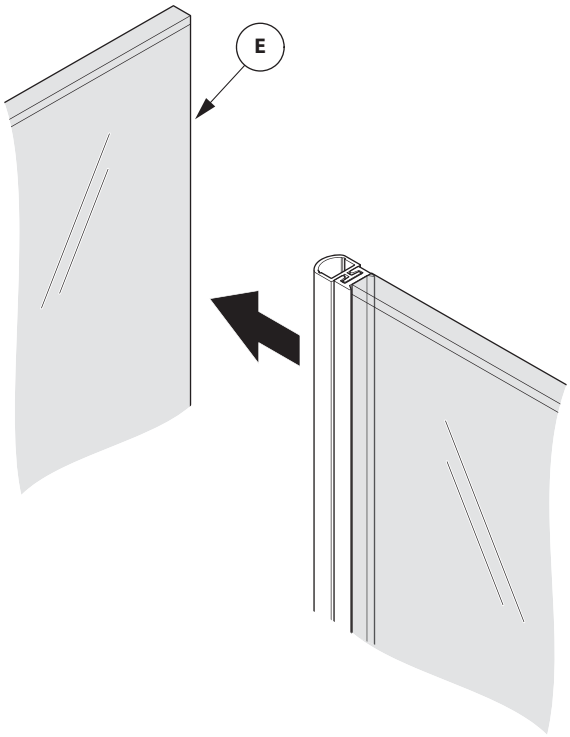


1

NOTE: Prep edge of glass with a 50/50 Isopropyl Alcohol and distilled water solution. A damp lint free cloth is pulled in one motion from top to bottom of glass edge. Once prepped the installer cannot touch the edge again. The connector is applied to the prepped edge starting at the top working downwards. The red backer of the 2 sided tape is removed as you work down the edge.

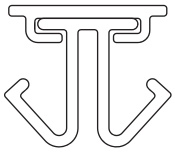


2

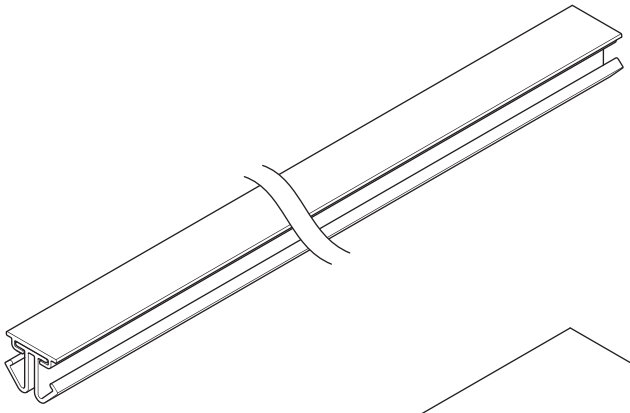


Section 12 - Channel Caps

Cap Types

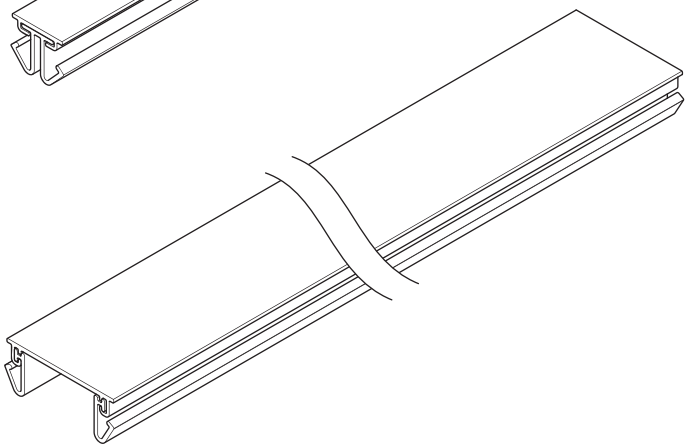


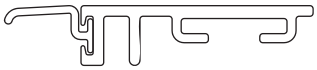
Cap, Otr Chnl
119-1464



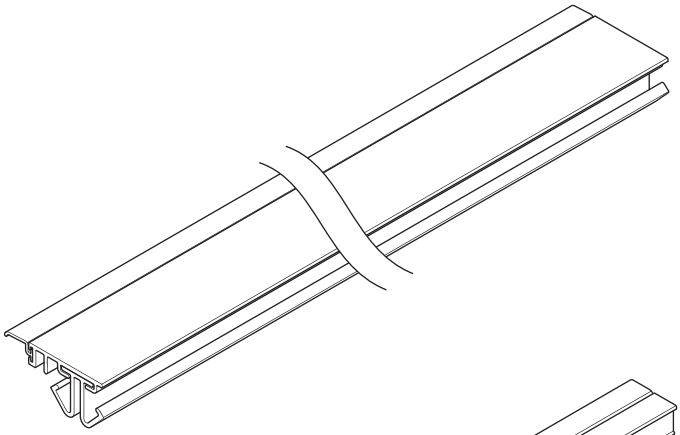


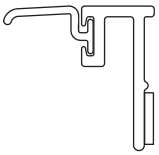
Cap, Ctr Chnl
119-1465



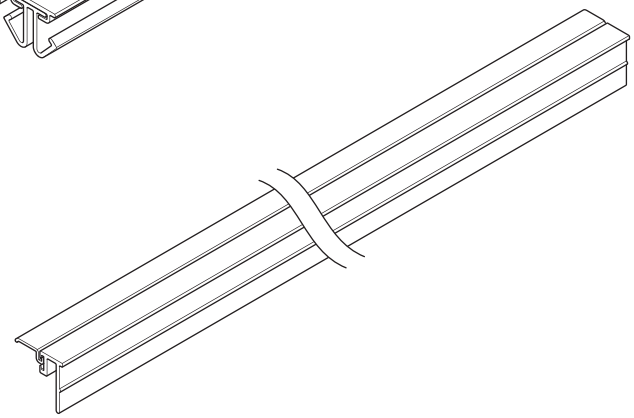


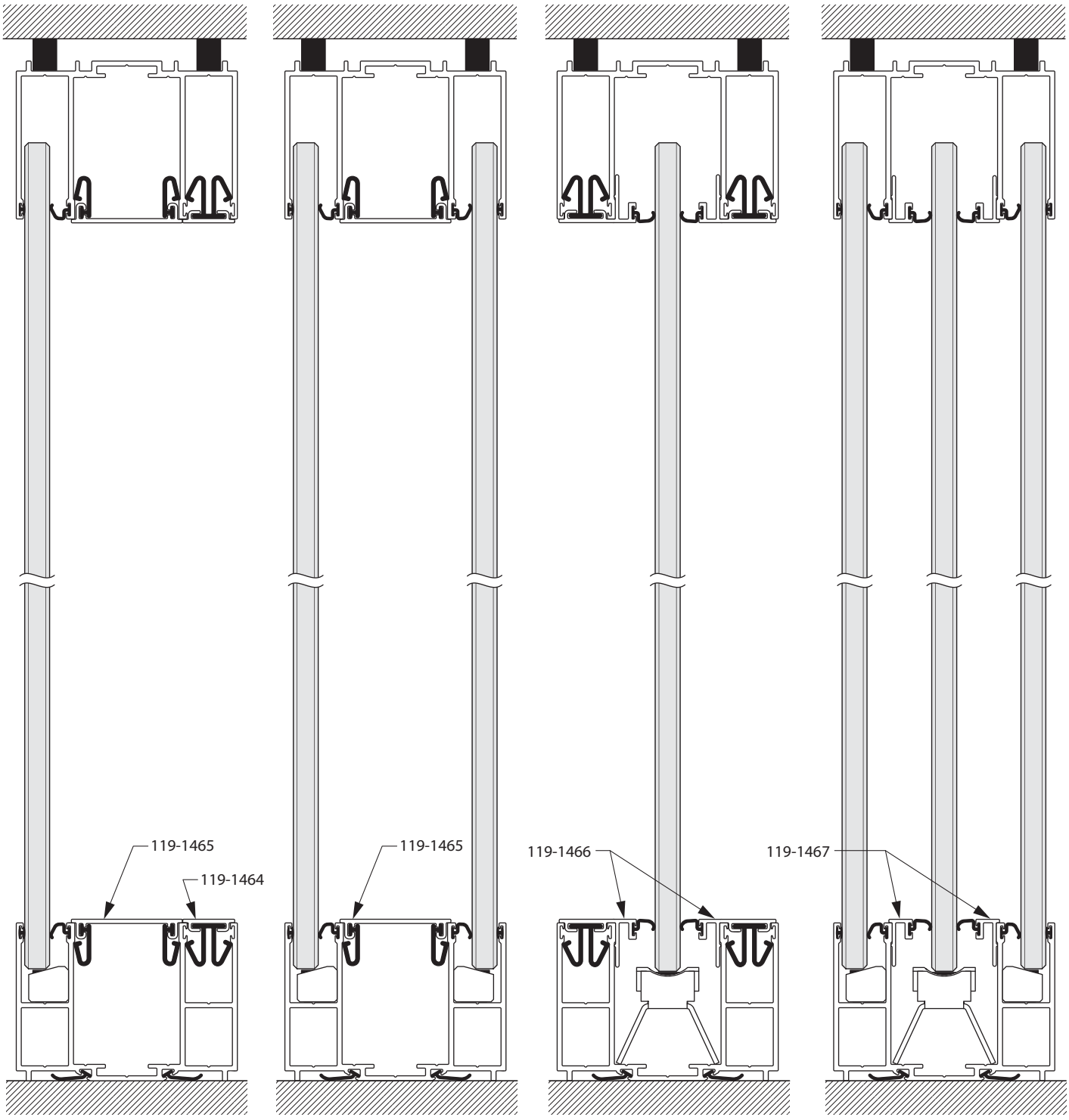
Cap, w/ Chnl Seal, Otr-Ctr Chnl
119-1466





Cap, w/ Chnl Seal, Ctr Chnl
119-1467





Single Glazed (outer)

Double Glazed

Center Glazed

Triple Glazed

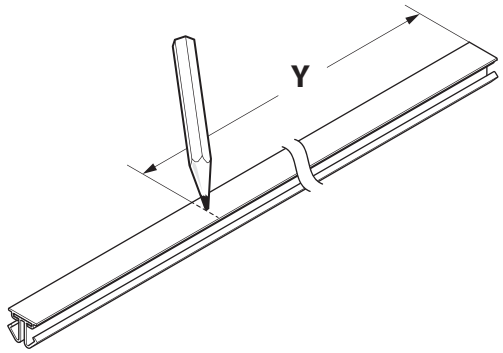
Note:
2.5" Base Rail profiles shown
(Caps are also applicable to 1.5" Base Rail profiles)

Installation Steps

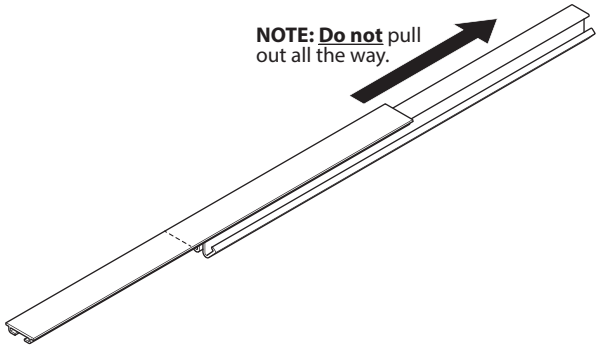
1

For Horizontal Caps:
Y = X

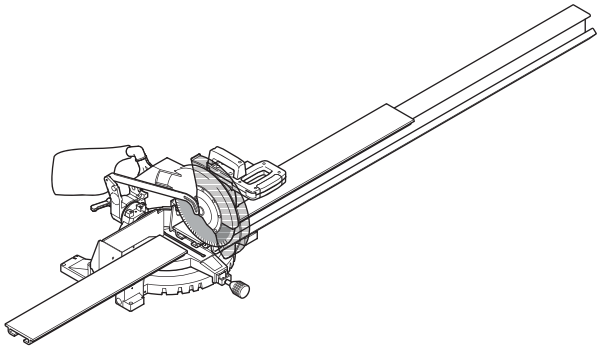
For Vertical Caps:
Y = X + 1.5mm (1/16")



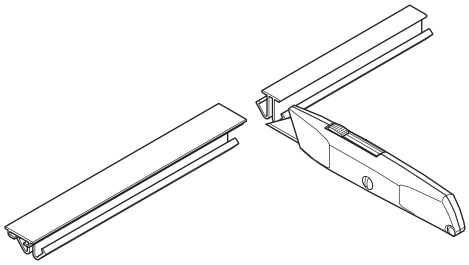
2



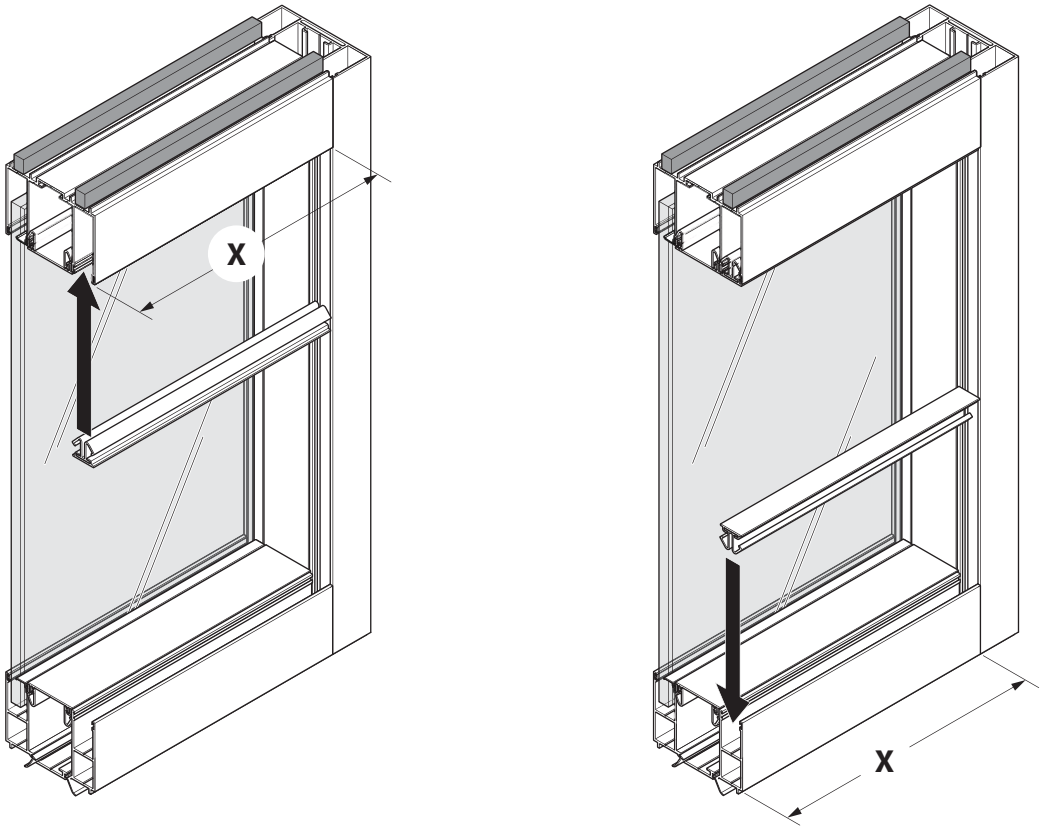
3



4



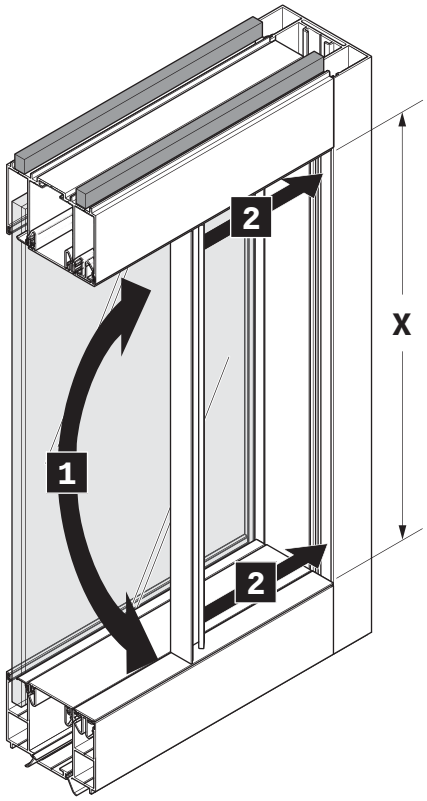
5



6

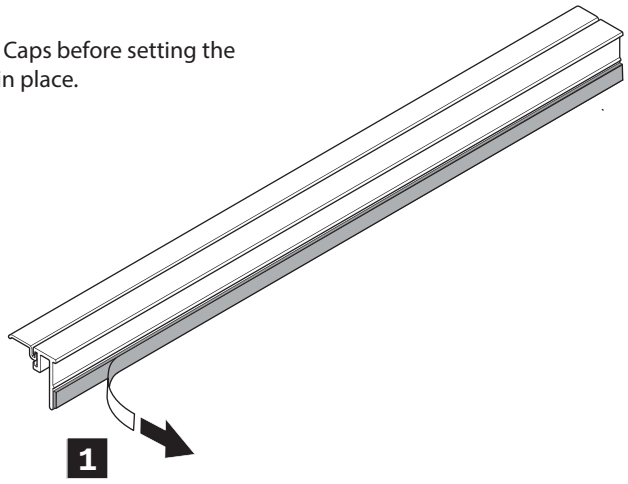
1) Bow away from the rail at the middle.

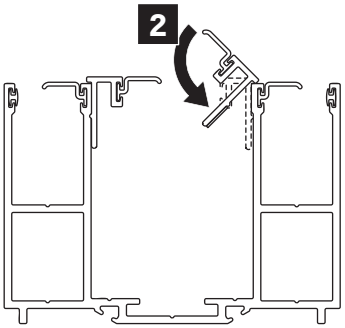
2) Work the cap into the channel from the ends towards the middle. This will avoid damaging the finish on the previously installed top and bottom Caps.

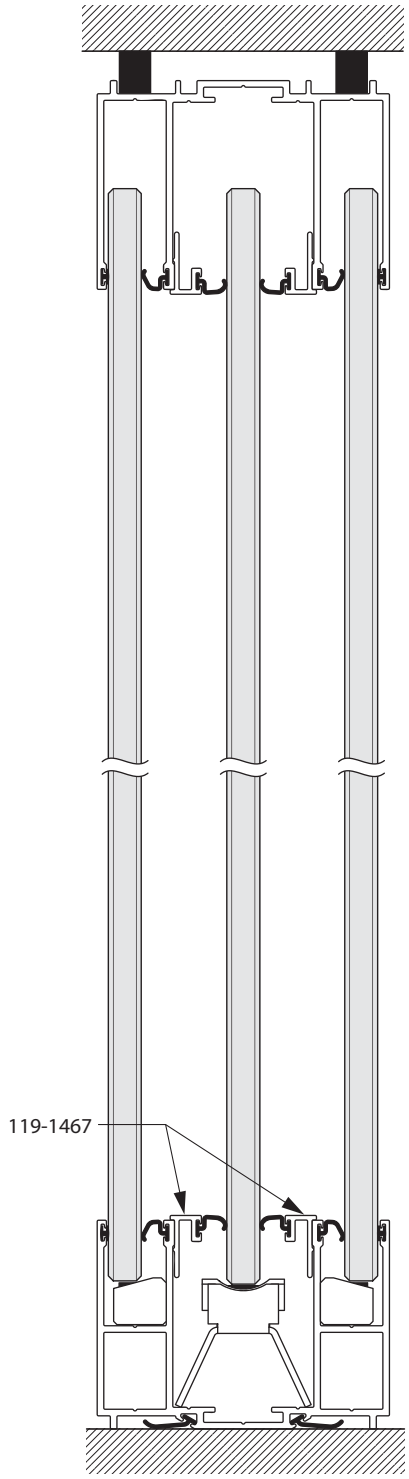


Cap, w/ Chnl Seal, Ctr Chnl
119-1467

Note:
Apply Caps before setting the Glass in place.





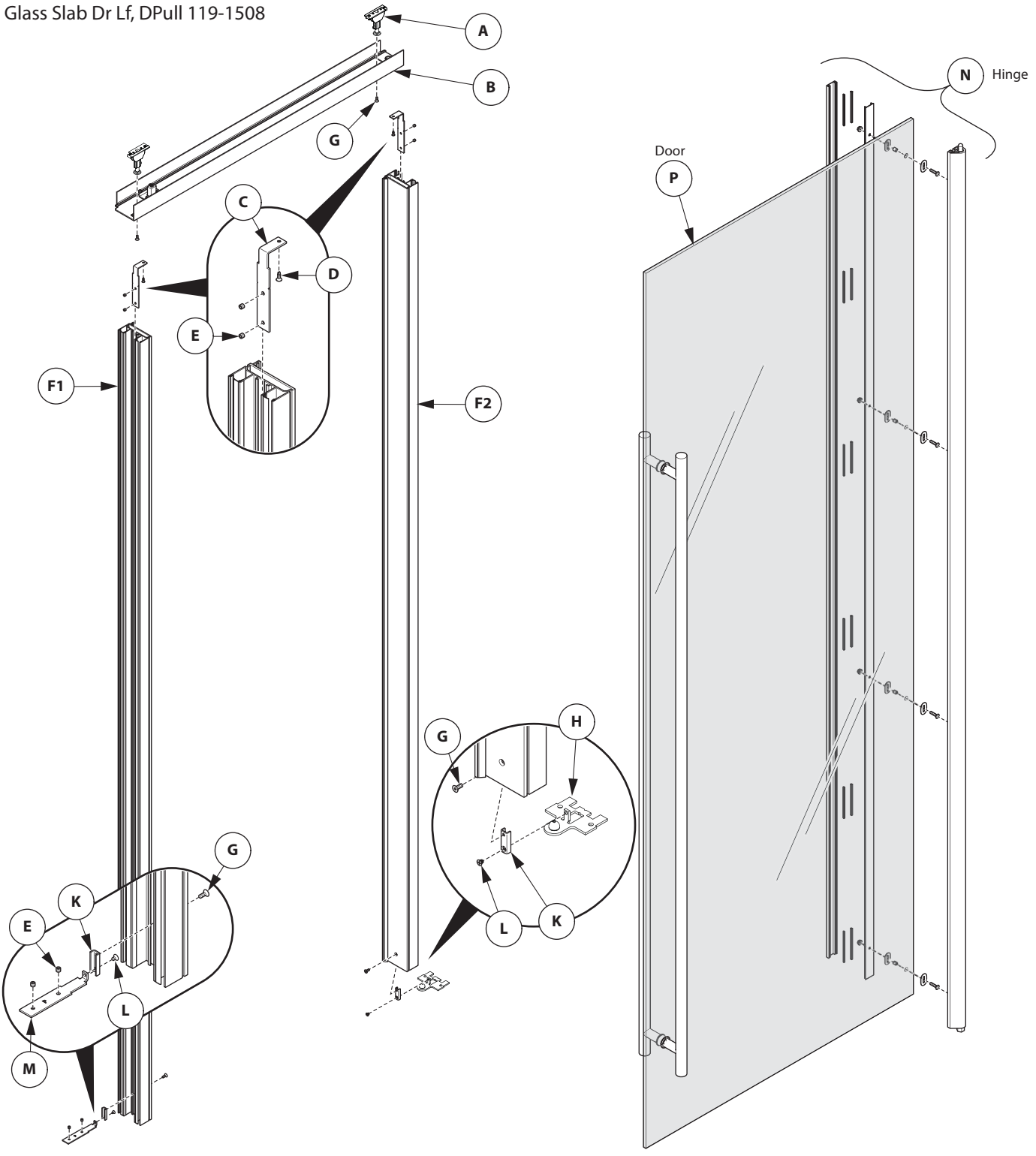


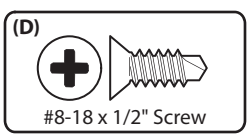
Triple Glazed

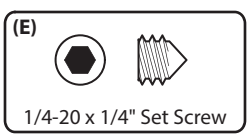
Section 13 - Door – Pivot (Glass Slab)

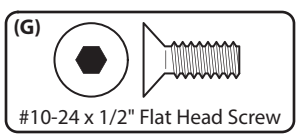
Door kit

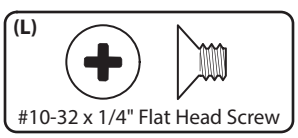
Pvt/Dr, Glass Slab Dr Lf, Lchst 119-1507
Pvt/Dr, Glass Slab Dr Lf, DPull 119-1508





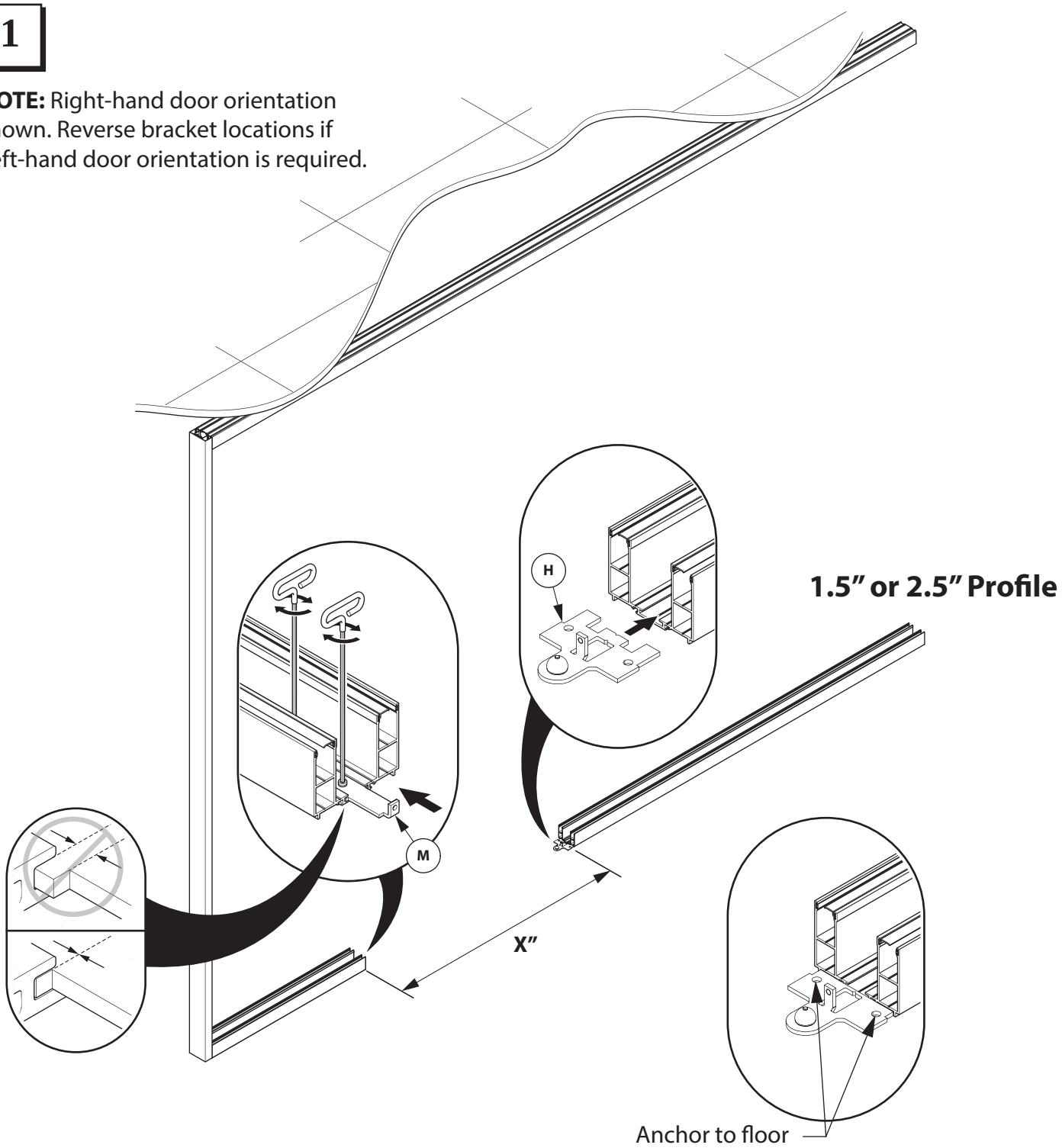






1

NOTE: Right-hand door orientation shown. Reverse bracket locations if Left-hand door orientation is required.

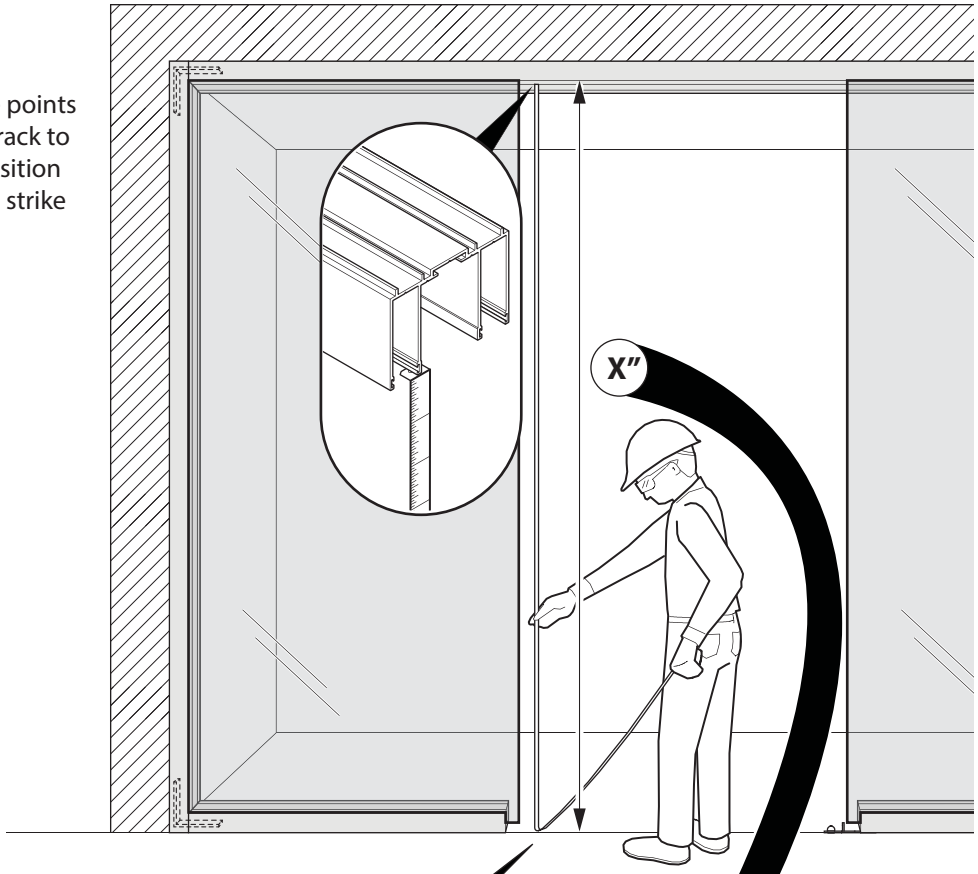


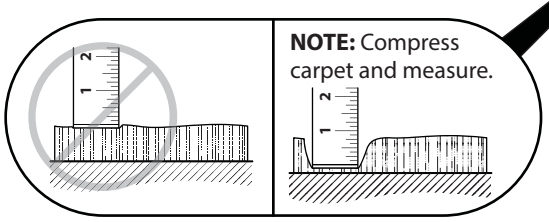
WARNING: Appropriate fasteners and floor anchors must be used to attach Pivot Plate (E) to the floor. Due to various floor constructions, fasteners and floor anchors are not provided by Haworth. Consult with the customer appointed engineer for fastener recommendations.

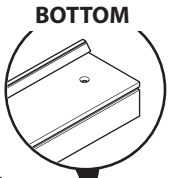
Pivot Door Width	X"
36" (914mm)	1012mm (39-13/16")
42" (1067mm)	1164mm (45-13/16")
48" (1219mm)	1317mm (51-13/16")

2

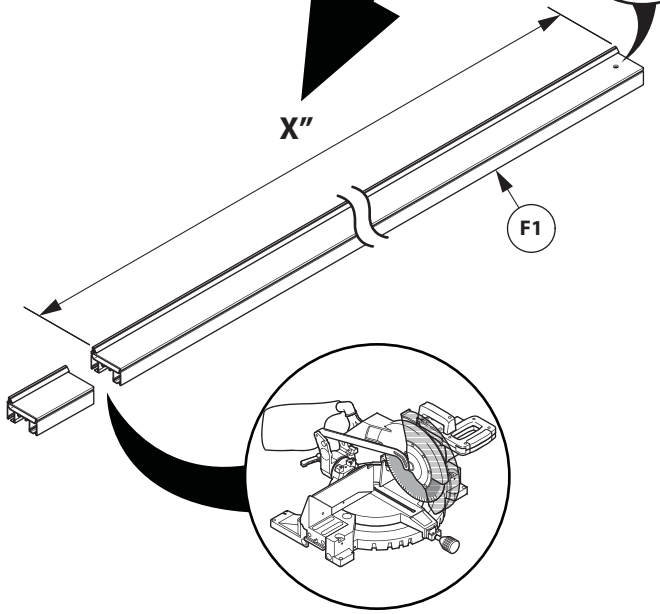
NOTE: Locate points onto ceiling track to determine position of door frame strike vertical.



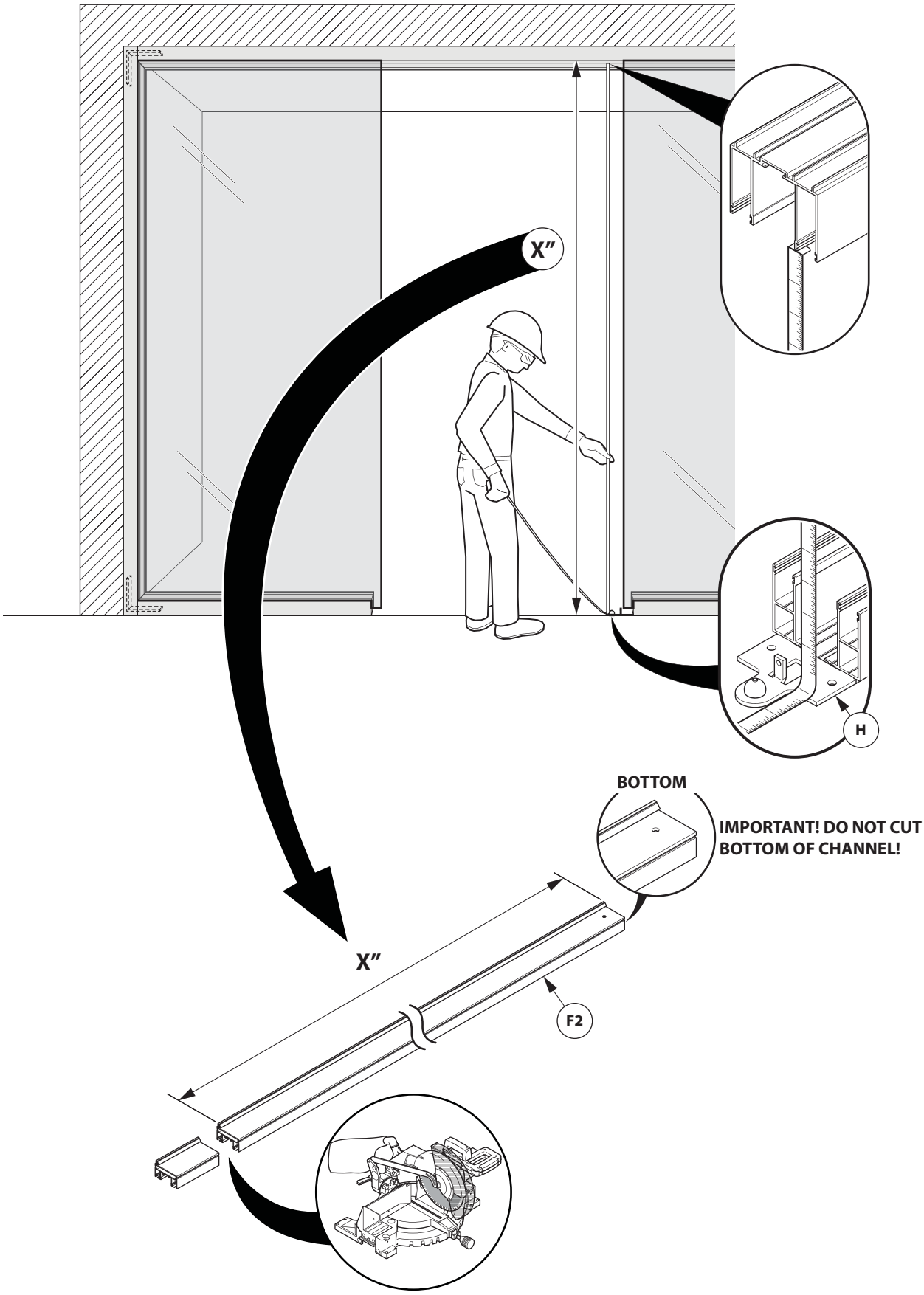




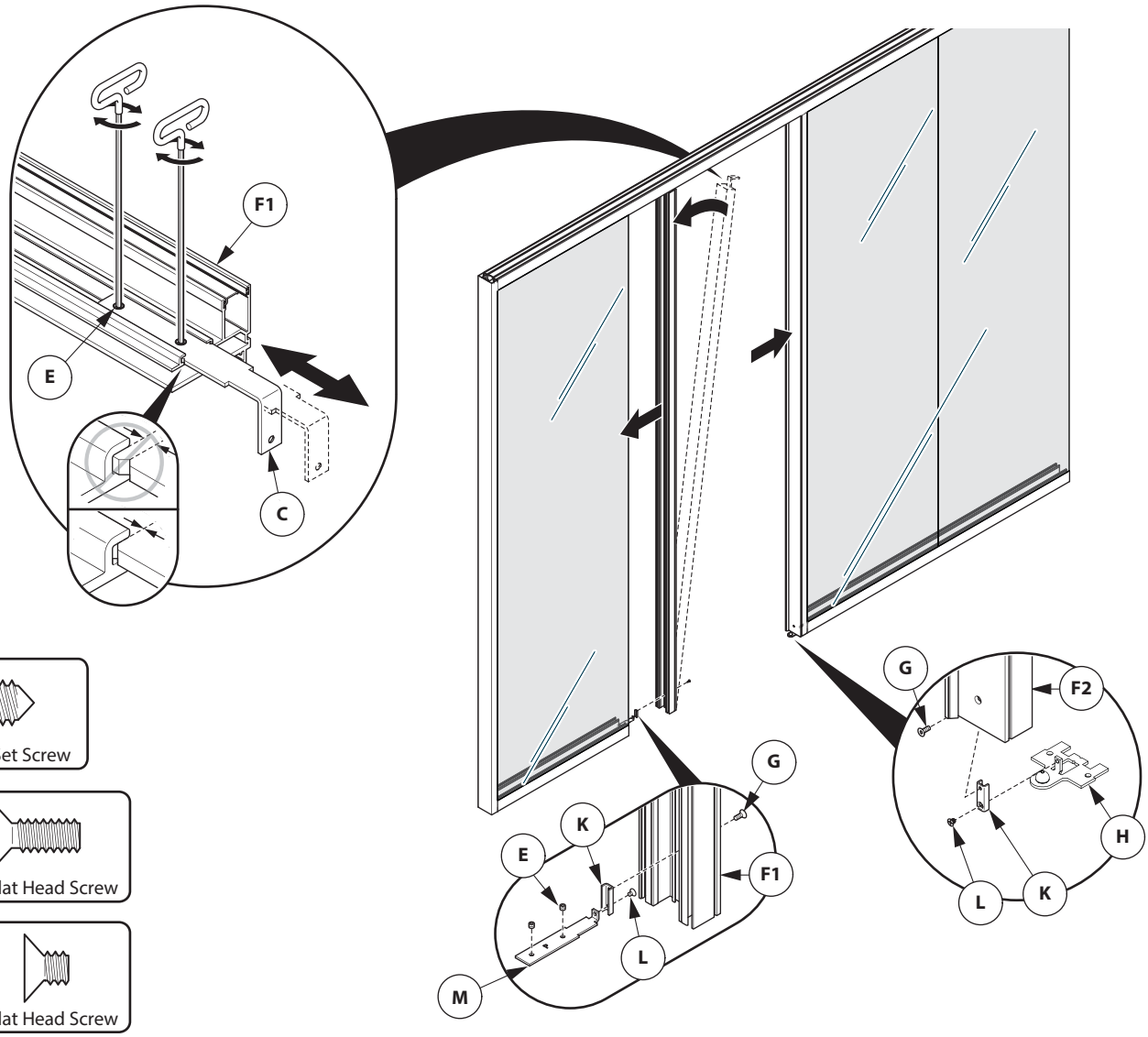
IMPORTANT! DO NOT CUT BOTTOM OF CHANNEL!



3



4

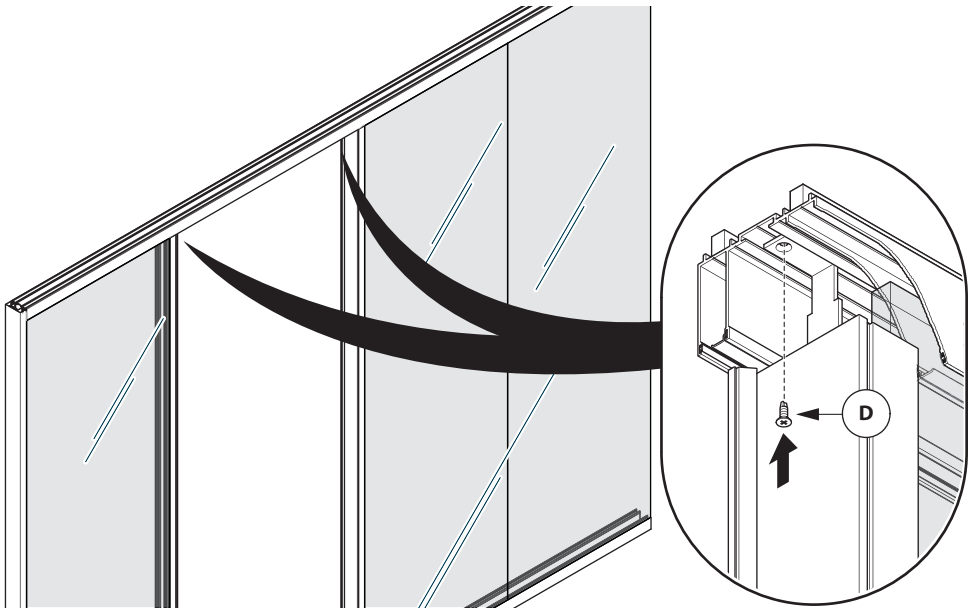


(E)
1/4-20 x 1/4" Set Screw

(G)
#10-24 x 1/2" Flat Head Screw

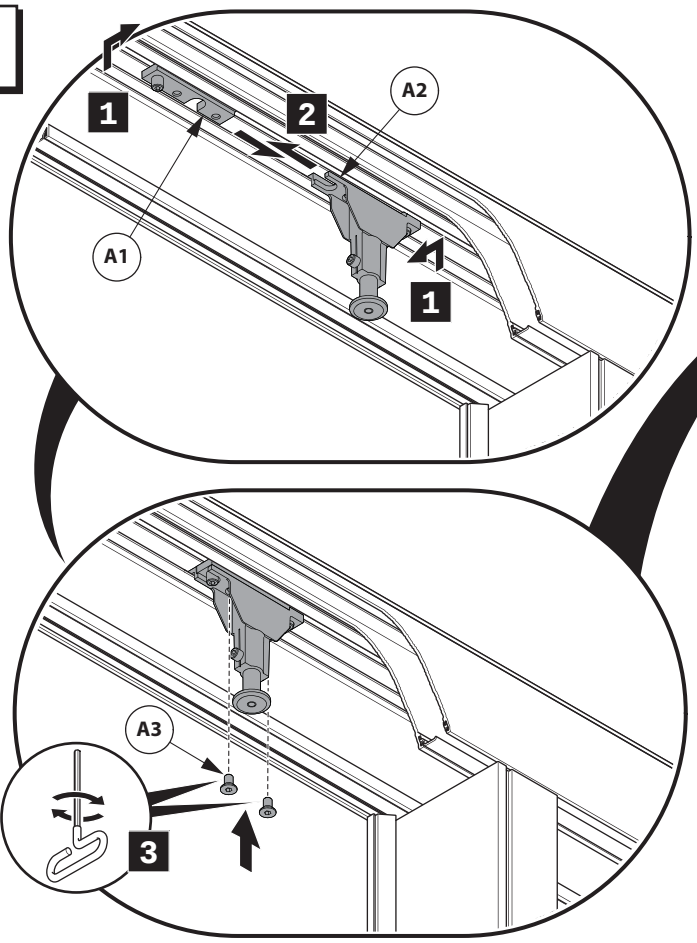
(L)
#10-32 x 1/4" Flat Head Screw

5

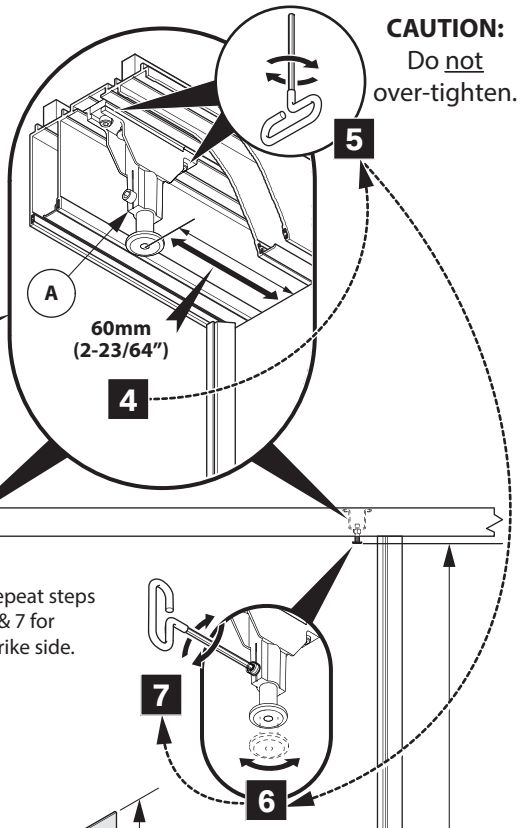


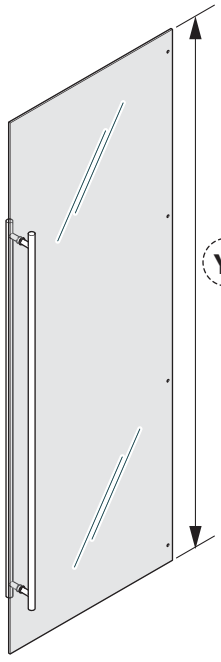
(D)
#8-18 x 1/2" Screw

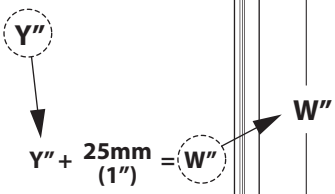
6



CAUTION:
Do not over-tighten.

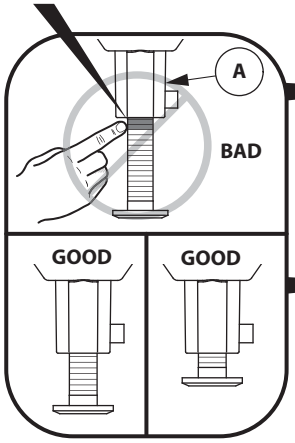




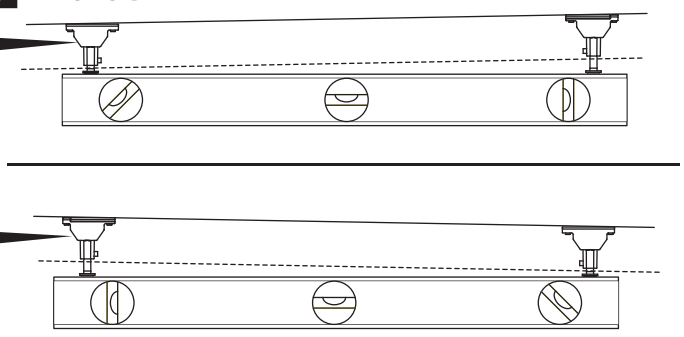


NOTE: if Door is not present on site, use this alternative method.
W = Ceiling height - 79mm (3-1/8")
If actual ceiling height differs from nominal height on layout drawing then adjust accordingly.
Example:
- If ceiling height is 1/4" low, W + 1/4" is the bolt height setting.
- If ceiling height is 1/4" high, W - 1/4" is the bolt height setting.

NOTE: The paint "indicator" at the end of screw must not be visible.



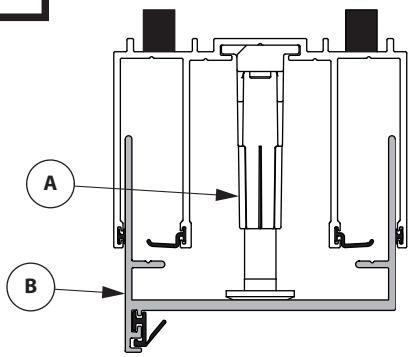
8 PIVOT SIDE



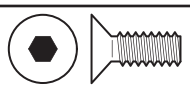
PIVOT SIDE

NOTE: Always level from low pivot side **(W)**.

7

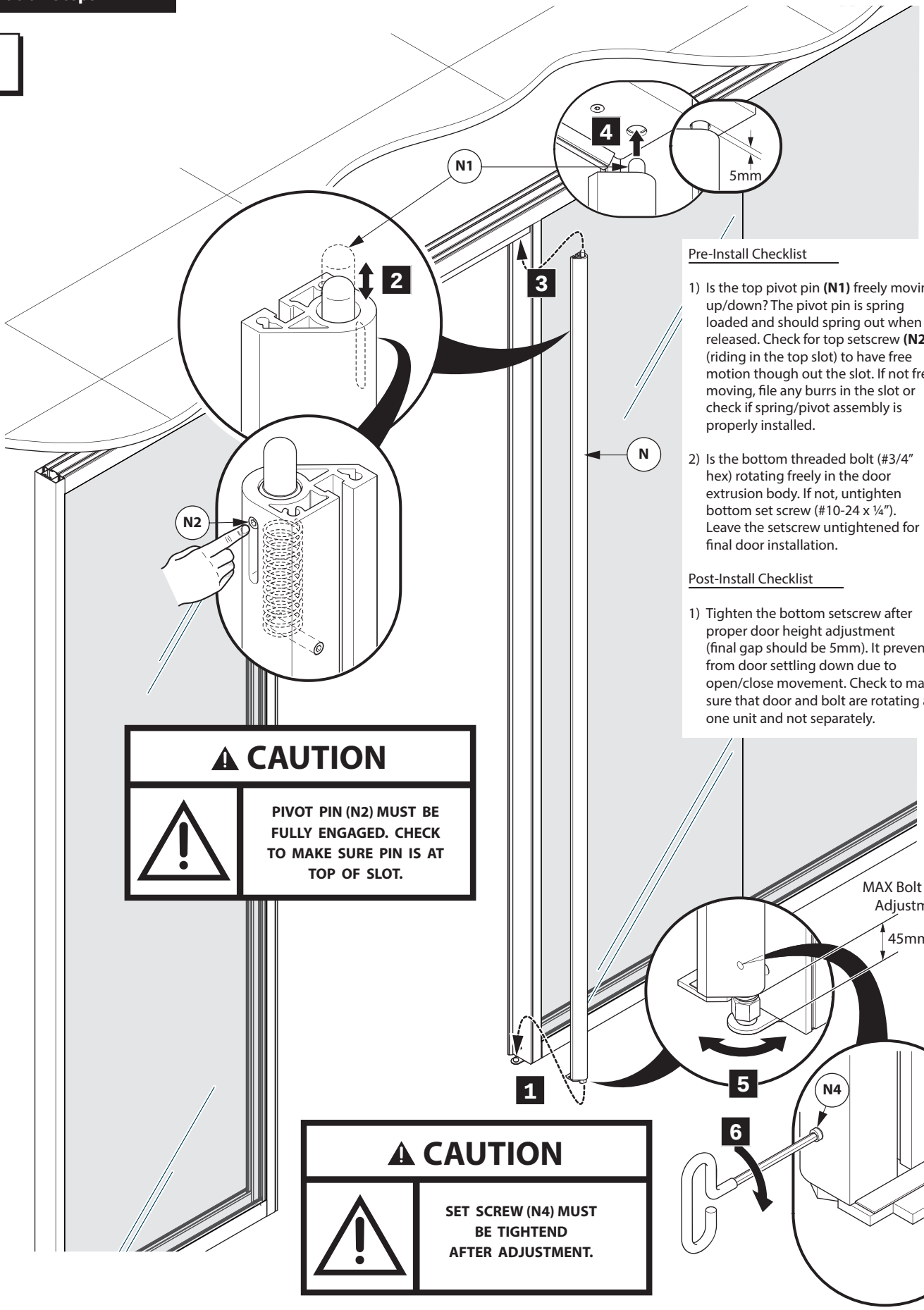


(G)



#10-24 x 1/2" Flat Head Screw

8



Pre-Install Checklist

1) Is the top pivot pin **(N1)** freely moving up/down? The pivot pin is spring loaded and should spring out when released. Check for top setscrew **(N2)** (riding in the top slot) to have free motion though out the slot. If not free moving, file any burrs in the slot or check if spring/pivot assembly is properly installed.

2) Is the bottom threaded bolt (#3/4" hex) rotating freely in the door extrusion body. If not, untighten bottom set screw (#10-24 x ¼"). Leave the setscrew untightened for final door installation.

Post-Install Checklist

1) Tighten the bottom setscrew after proper door height adjustment (final gap should be 5mm). It prevents from door settling down due to open/close movement. Check to make sure that door and bolt are rotating as one unit and not separately.

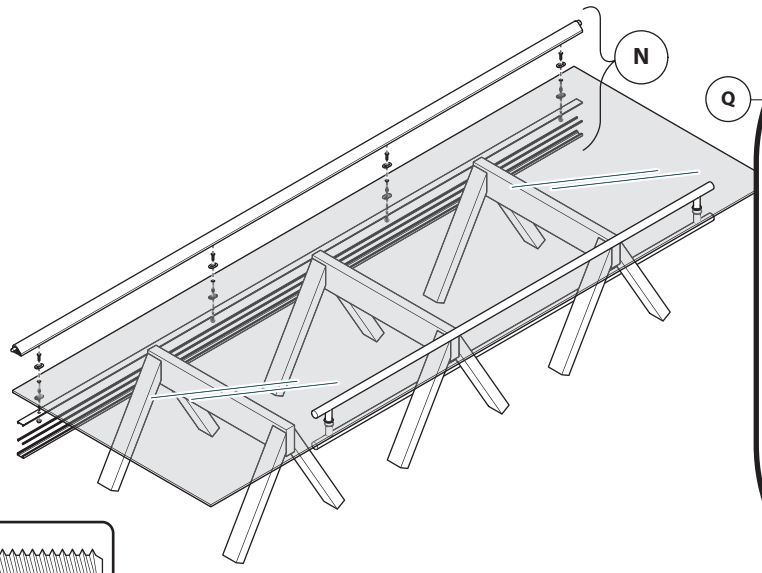
⚠ CAUTION

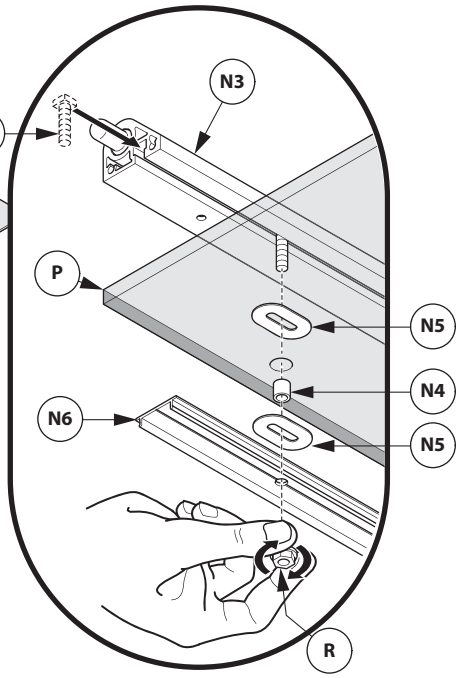
PIVOT PIN (N2) MUST BE FULLY ENGAGED. CHECK TO MAKE SURE PIN IS AT TOP OF SLOT.

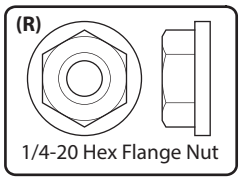
⚠ CAUTION

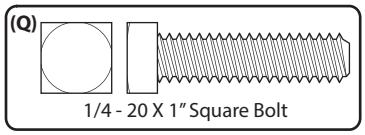
SET SCREW (N4) MUST BE TIGHTEND AFTER ADJUSTMENT.

9

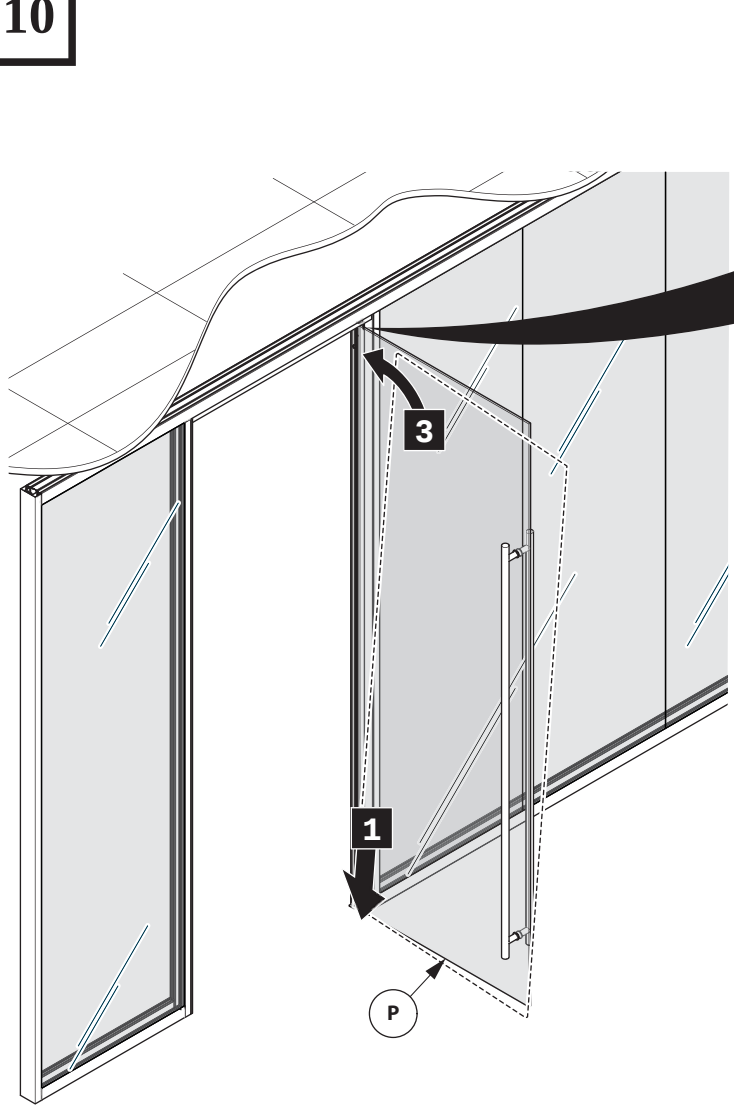


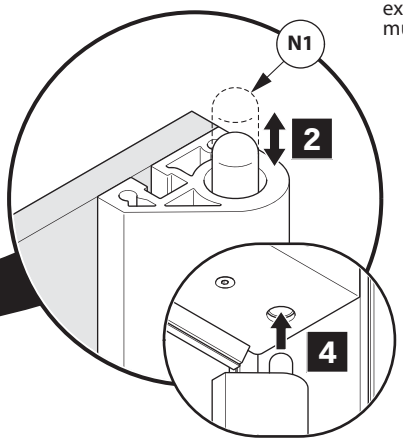




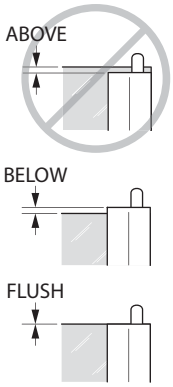


10



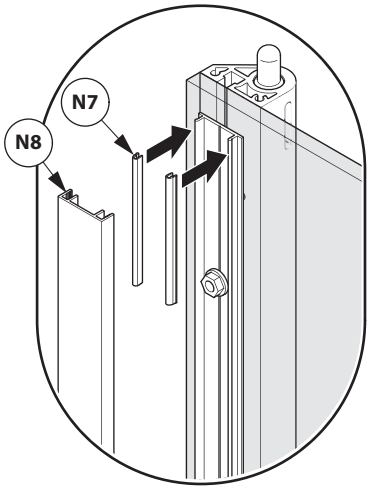


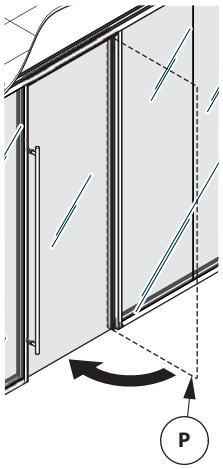
NOTE: Glass should not extend above pivot extrusion, must be below or flush.

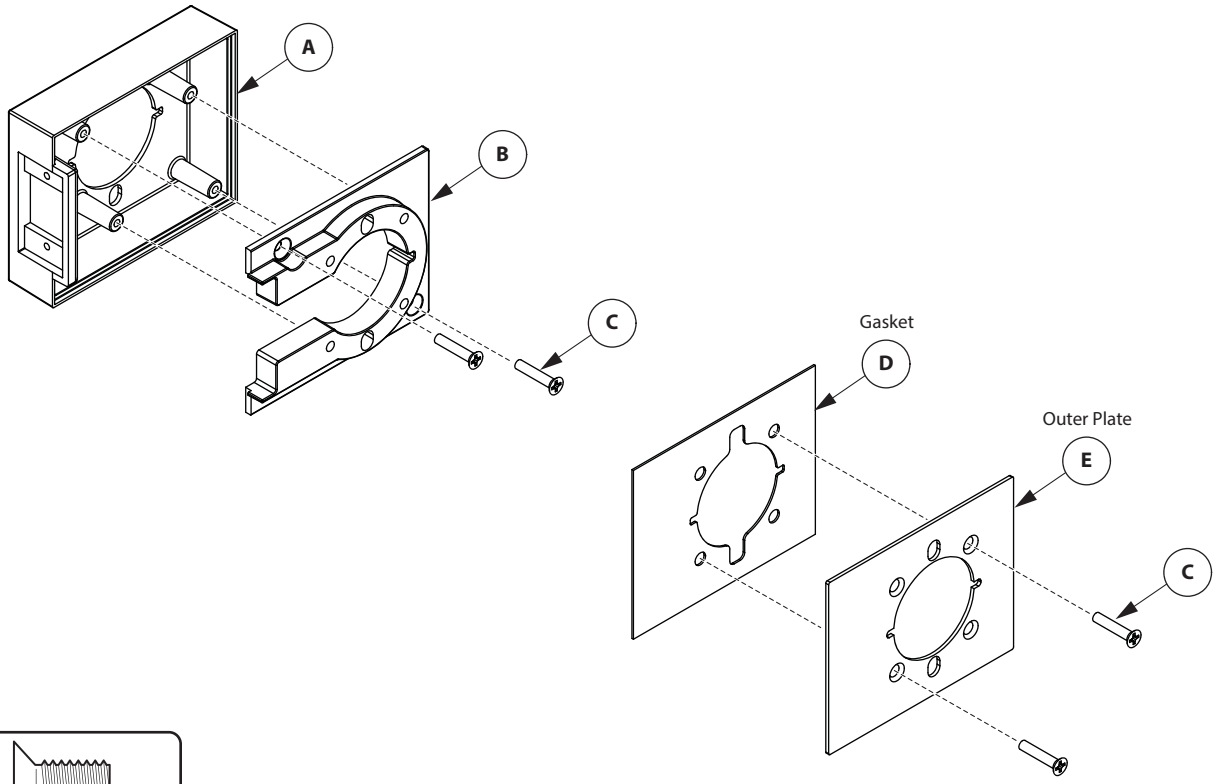


11

NOTE: Close door **(P)** than adjust. Refer to **Step 7**.



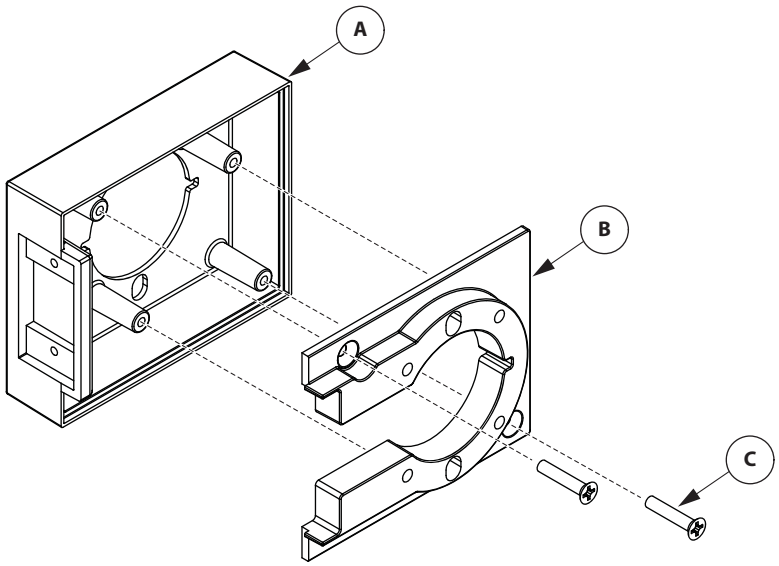




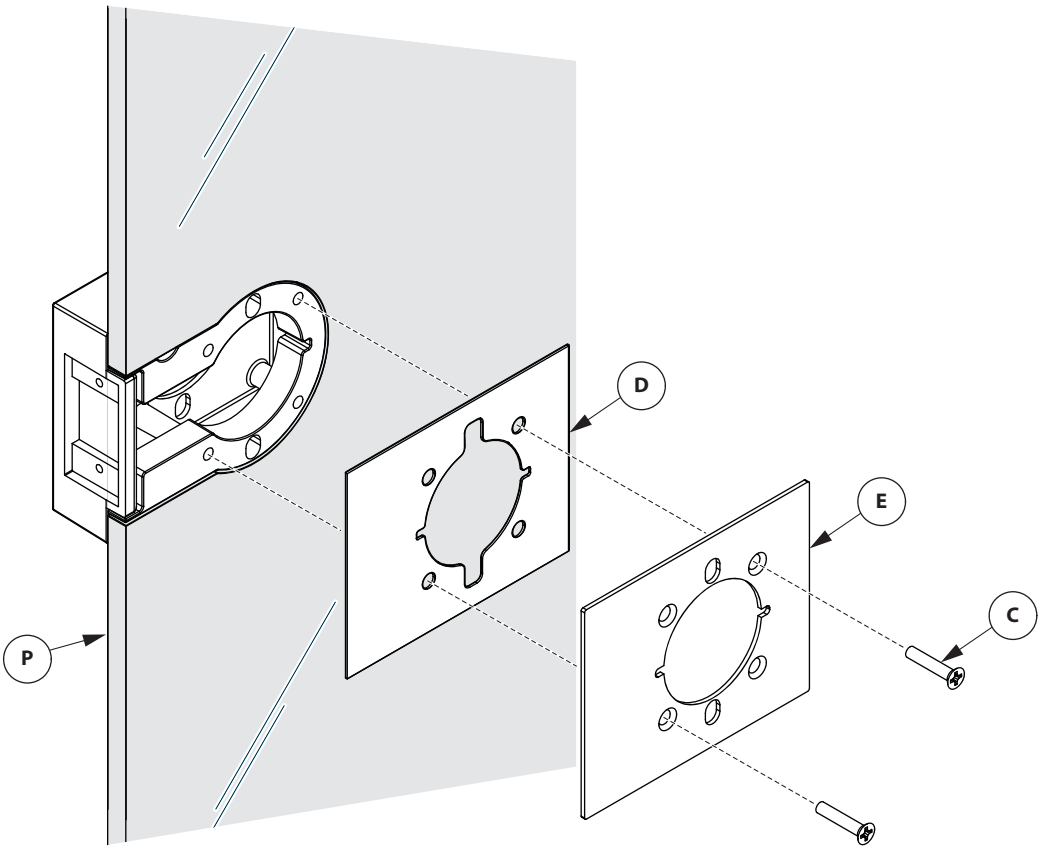
(C)

#10-24 x 1" Flat Head U/C Screw

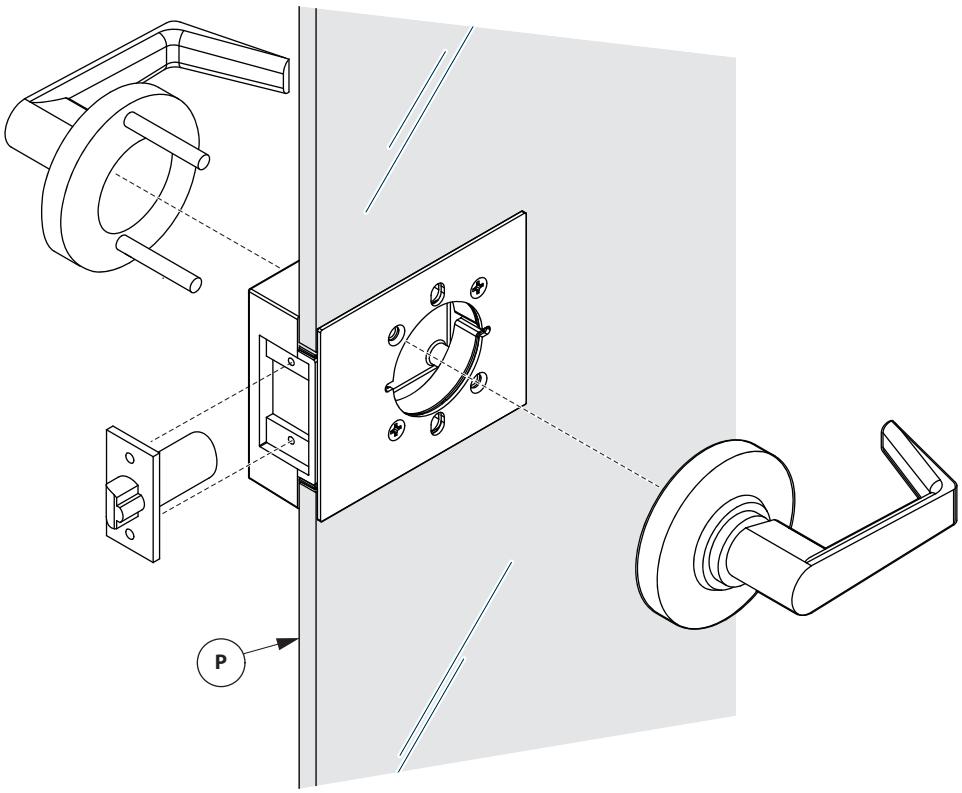
1



2



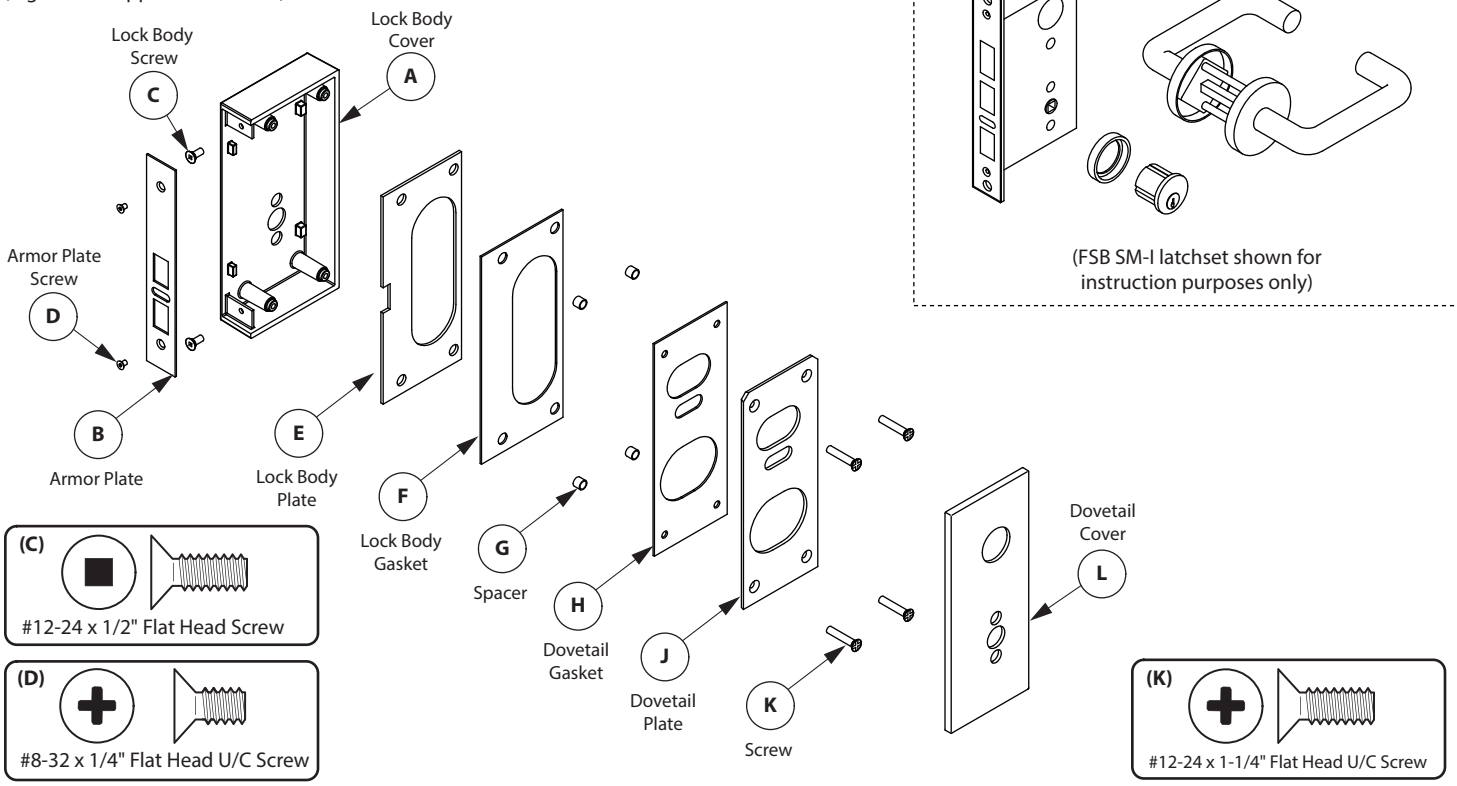
3



(Cylinder latchset may not be as shown)

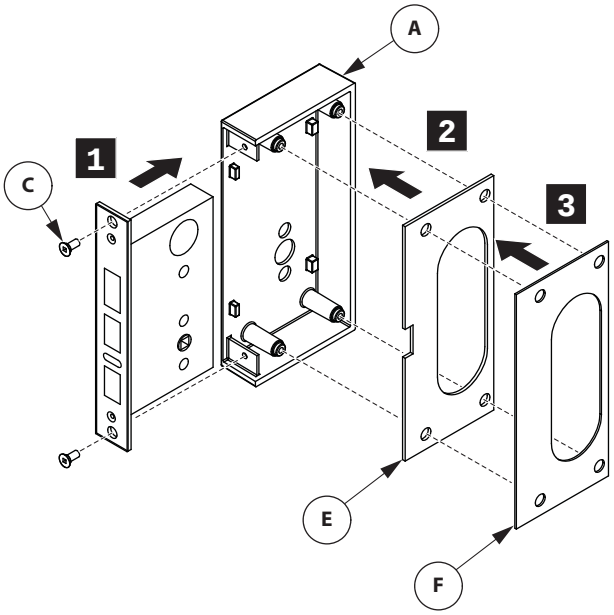
Options - Mortise Patch Kit

(Right-Hand application shown)

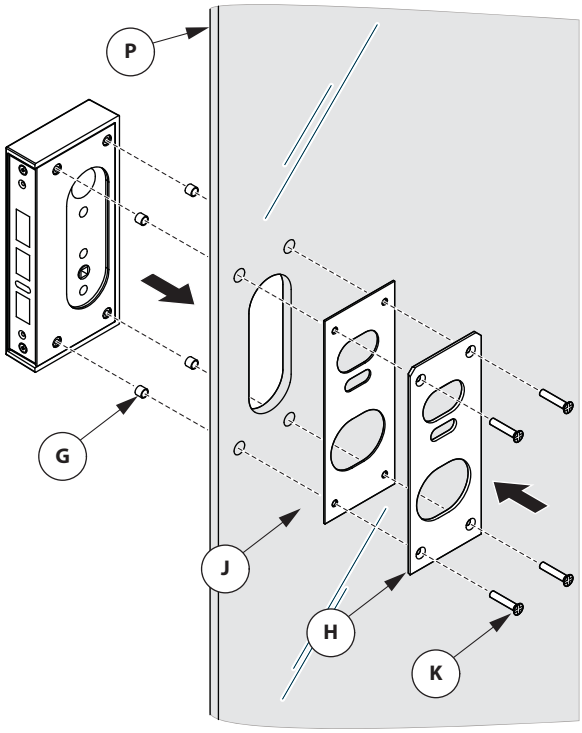


(FSB SM-I latchset shown for instruction purposes only)

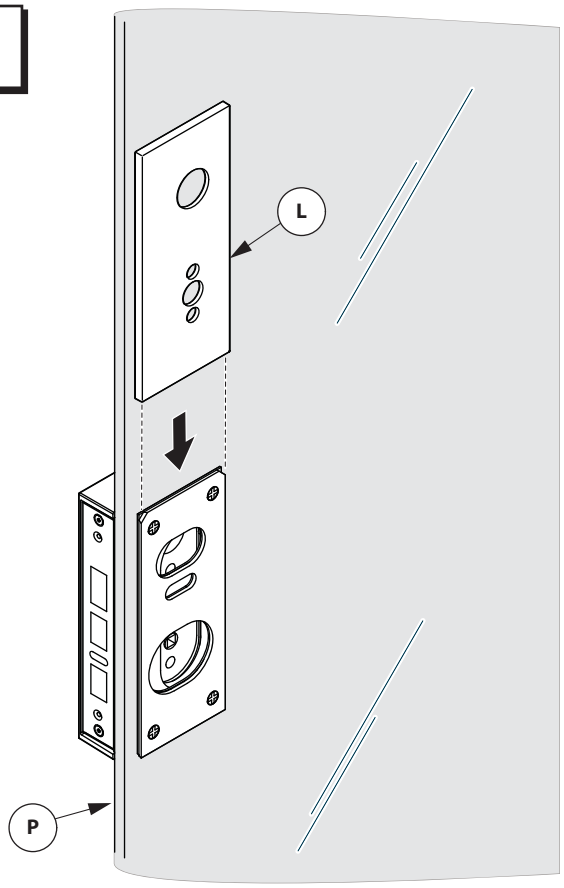
1



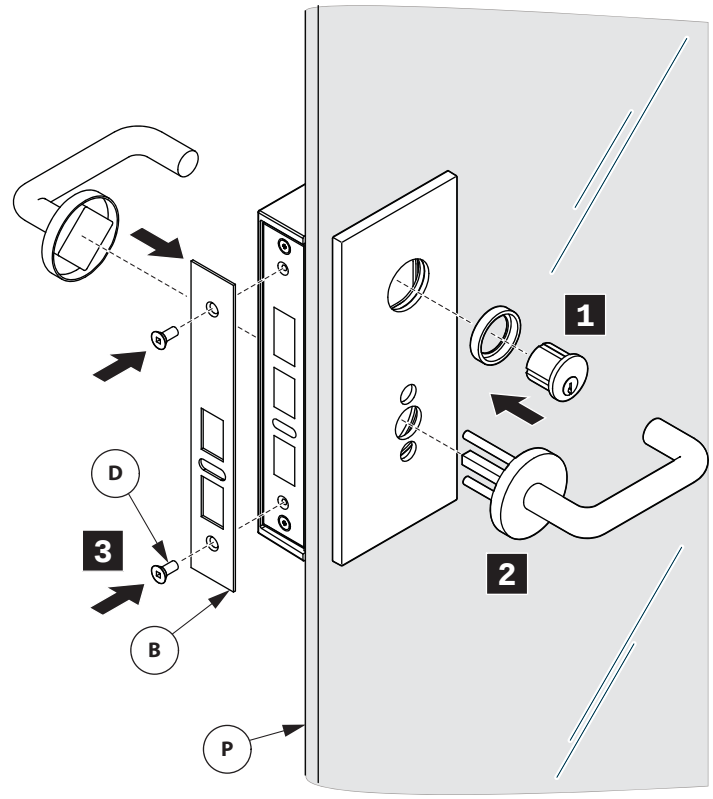
2



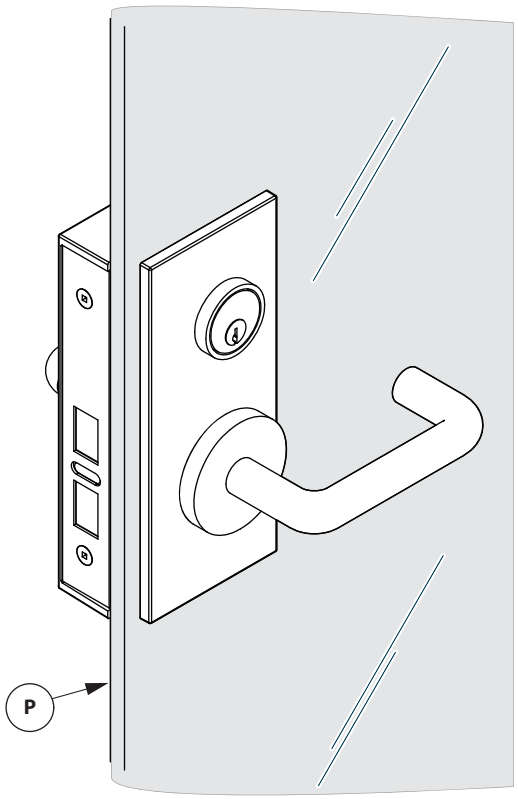
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4

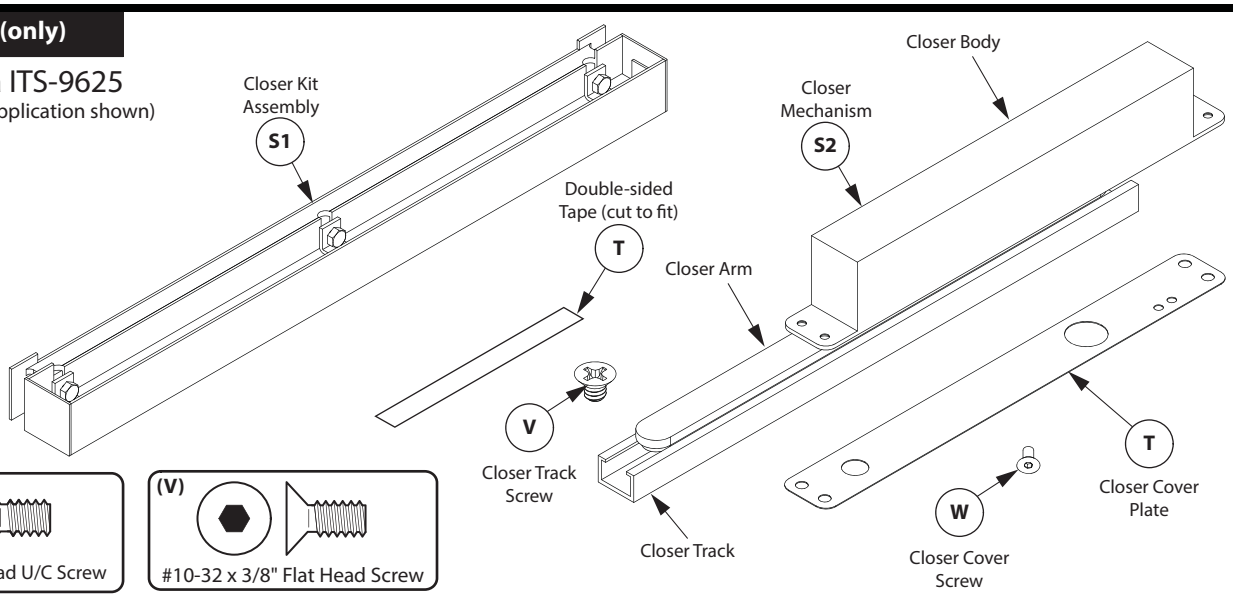


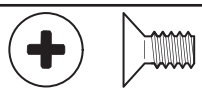
5



Options - Closer (only)

Closer - Dorma ITS-9625
(Right-Hand reverse application shown)

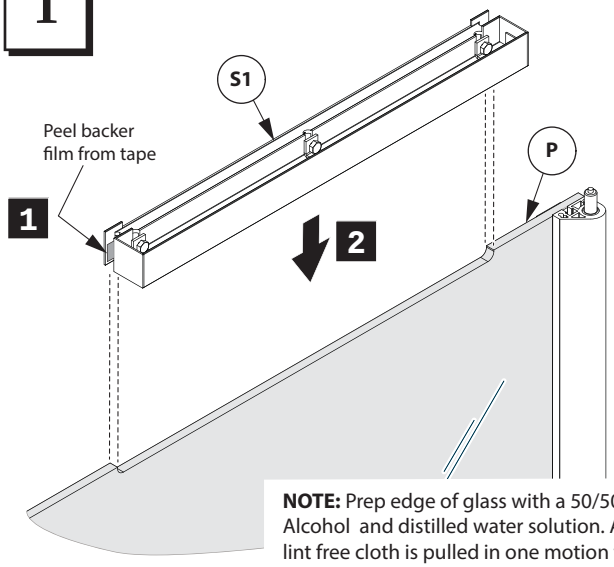


(W)

#10-32 x 1/4" Flat Head U/C Screw

(V)

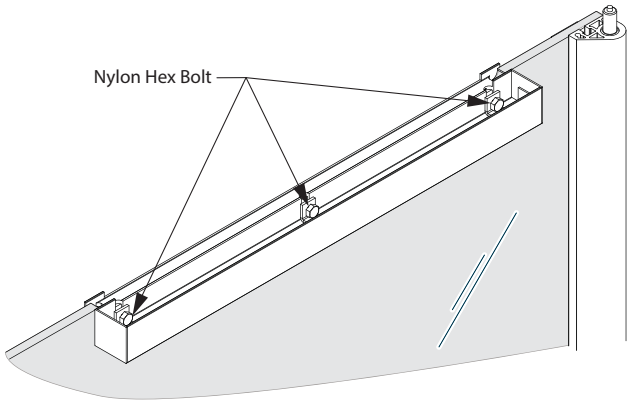
#10-32 x 3/8" Flat Head Screw

1 Center Closer Assembly kit within Glass cutout

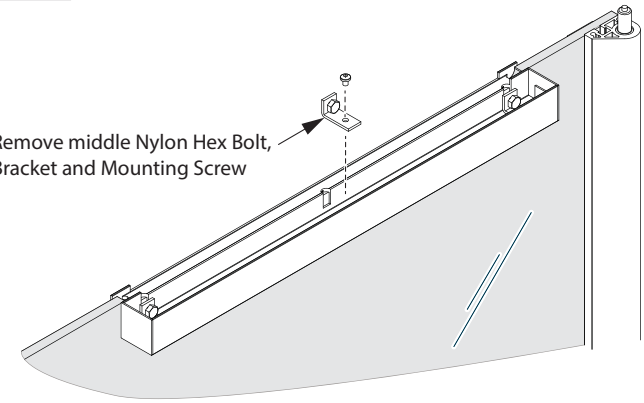


NOTE: Prep edge of glass with a 50/50 Isopropyl Alcohol and distilled water solution. A damp lint free cloth is pulled in one motion from top to bottom of glass edge. Once prepped the installer cannot touch the edge again.

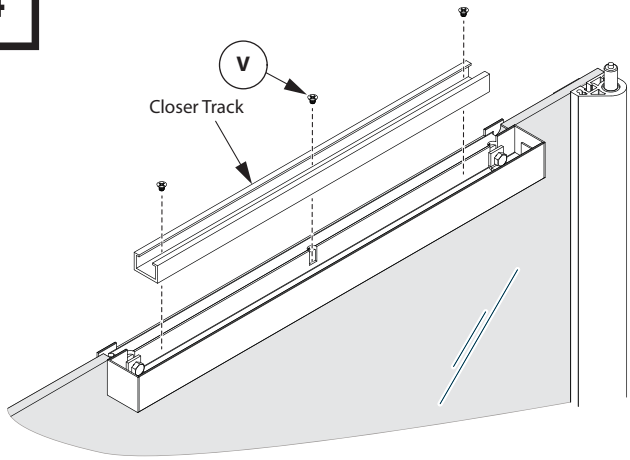
2 Tighten Nylon Hex Bolts to compress Tape against Glass. Allow 15 minutes before next step.



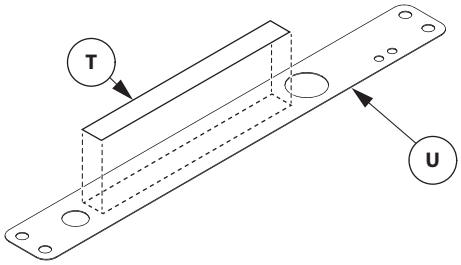
3



4

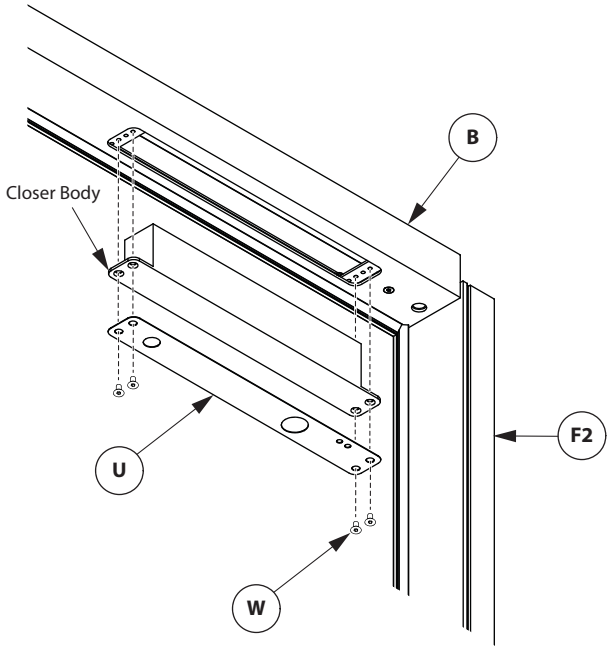


5



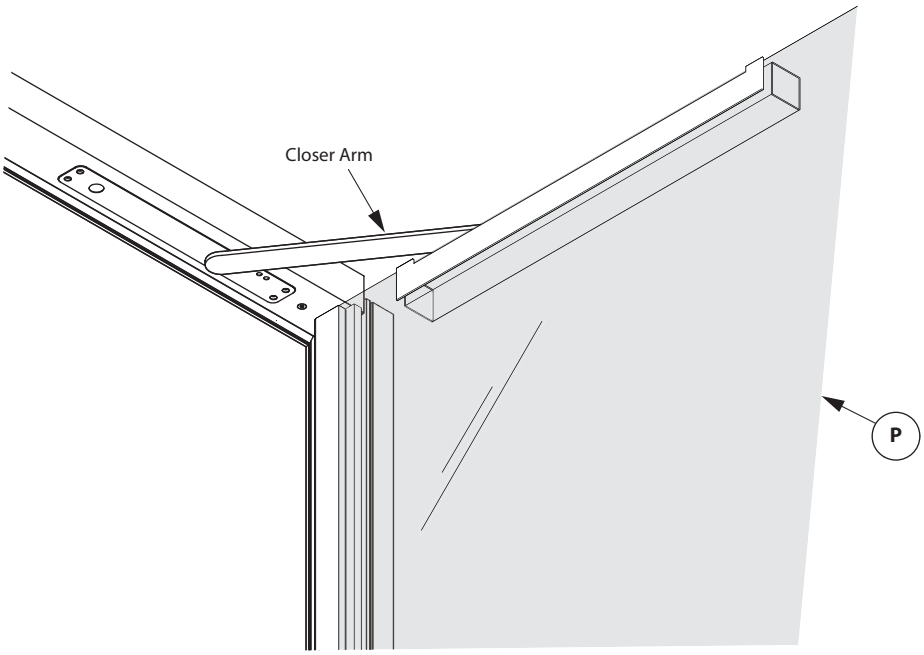
Cut tape to size to fit as shown.

6



Remove Closer Arm to attach Cover Plate (D).

7

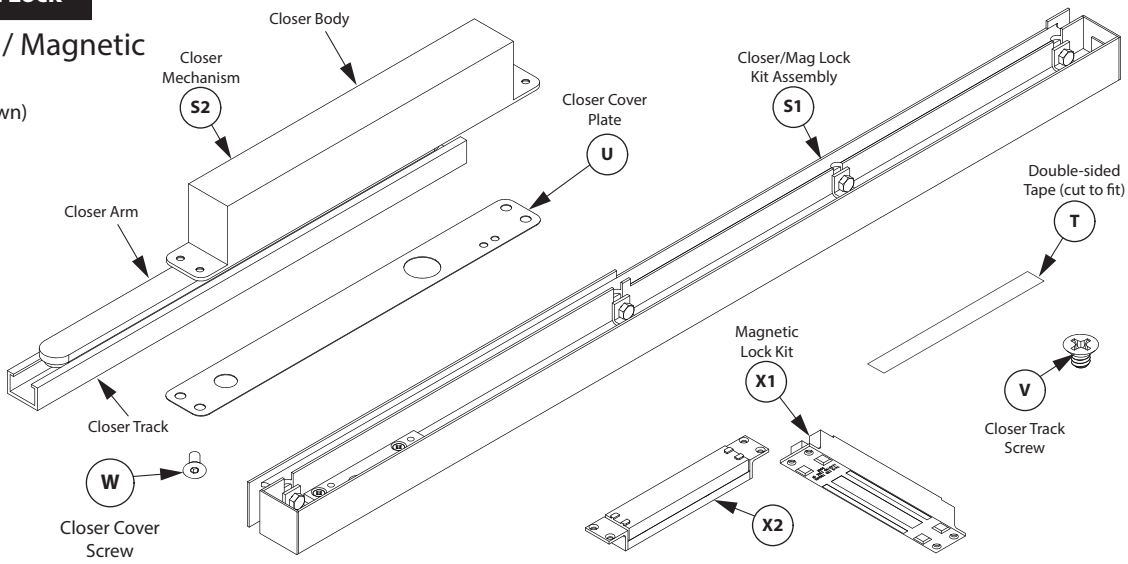


Re-assemble Closer Arm with Door assembly.
Adjust Closer per manufacturer's instructions.

Options - Closer & Magnetic Lock

Closer - Dorma ITS-9625 / Magnetic Lock - SDC 1562 ITCM

(Right-Hand reverse application shown)



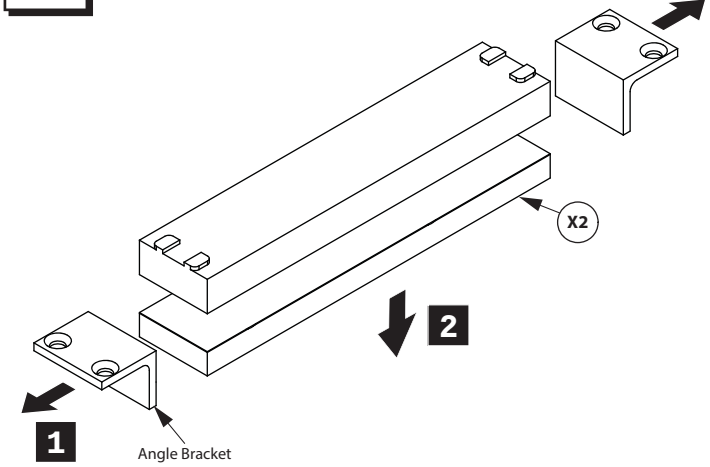
(W)

#10-32 x 3/8" Flat Head Screw

(V)

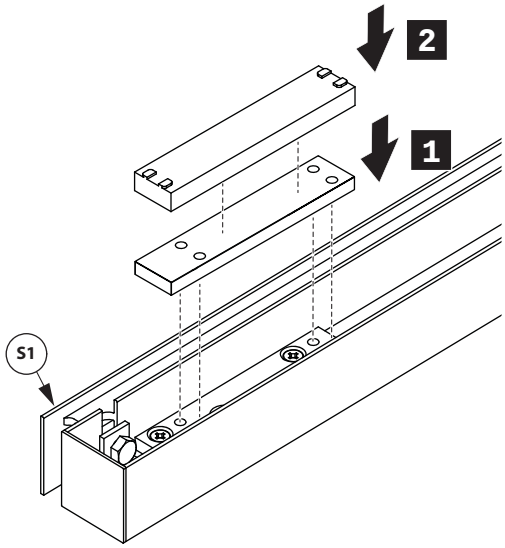
#10-32 x 1/4" Flat Head U/C Screw

1



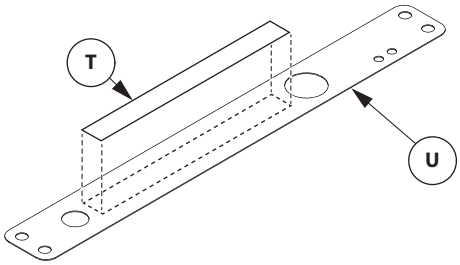
Disassemble the Magnetic Lock as shown.
Discard the mounting angle brackets.

2



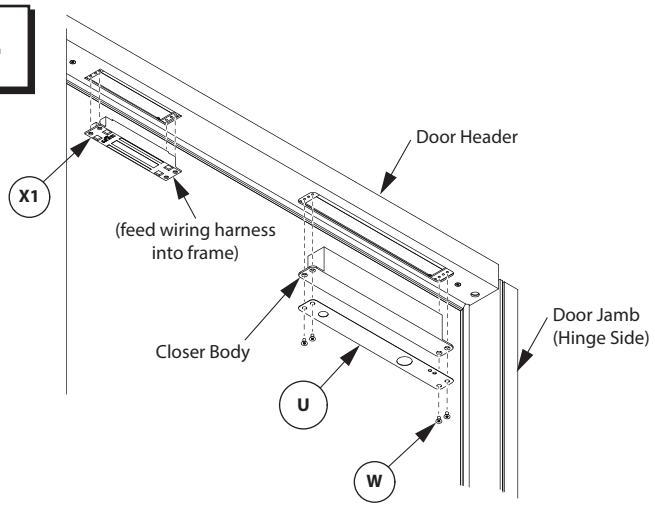
Assemble using Magnetic Lock manufacturer supplied fastners.

3



Cut tape to size to fit as shown.

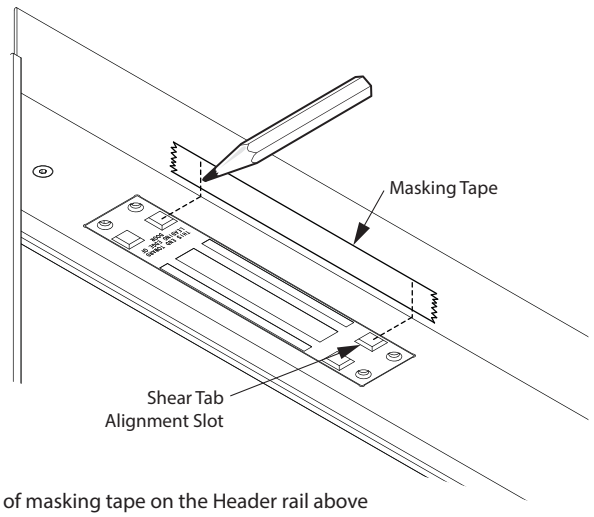
4



Assemble using Magnetic Lock. Remove Closer Arm to attach Cover Plate (D).

Options - Closer & Magnetic Lock

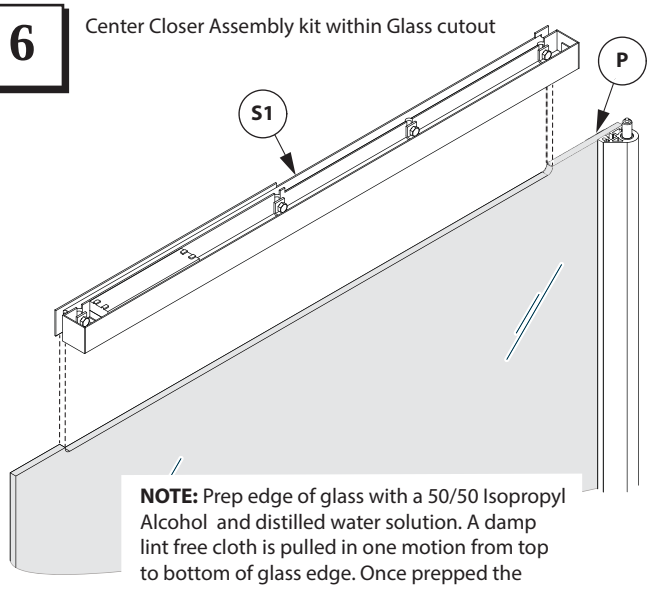
5



Apply a strip of masking tape on the Header rail above the Magnetic Lock. Scribe a line to identify the location of the shear tab alignment slots for the door mounted part of the Magnetic Lock (F2).

6

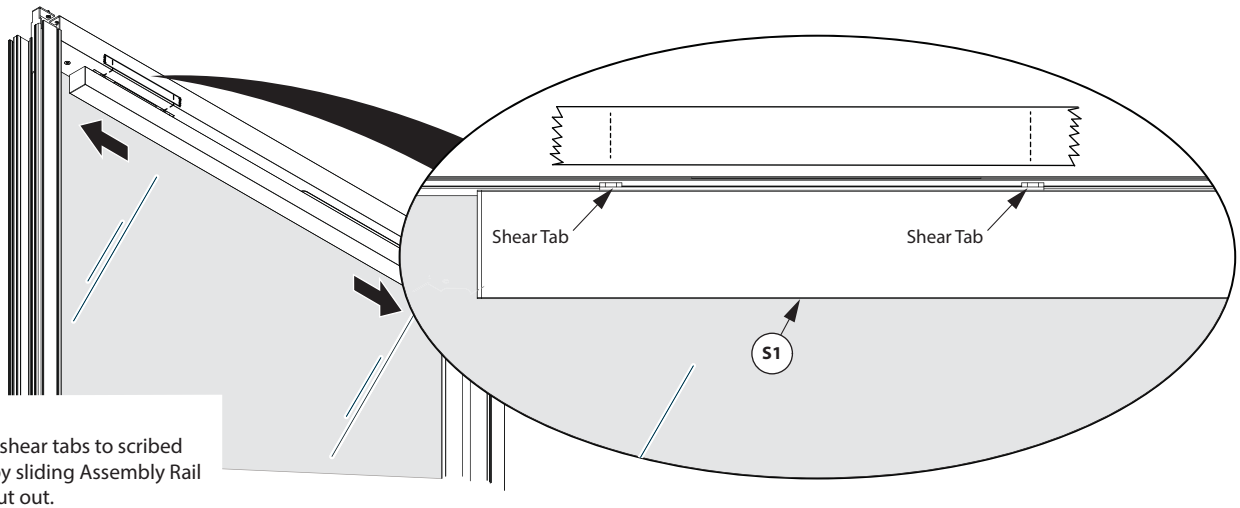
Center Closer Assembly kit within Glass cutout



NOTE: Prep edge of glass with a 50/50 Isopropyl Alcohol and distilled water solution. A damp lint free cloth is pulled in one motion from top to bottom of glass edge. Once prepped the installer cannot touch the edge again.

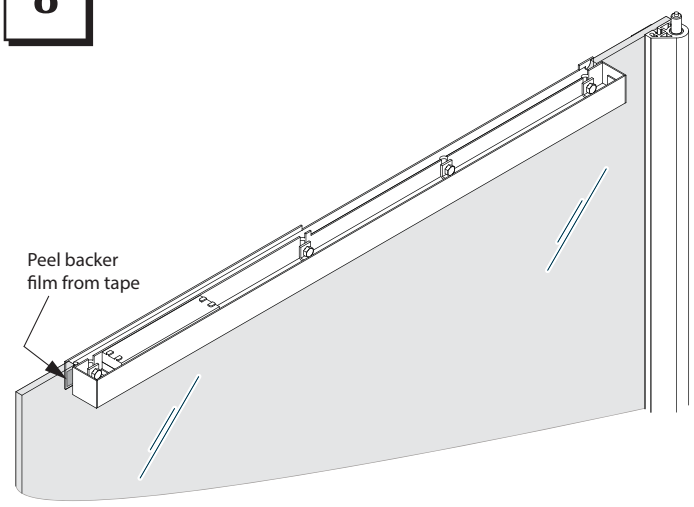
Door Frame removed for illustration clarity.

7



Close Door.
Align Magnetic Lock shear tabs to scribed lines on Header rail by sliding Assembly Rail (A) along the Glass Cut out.

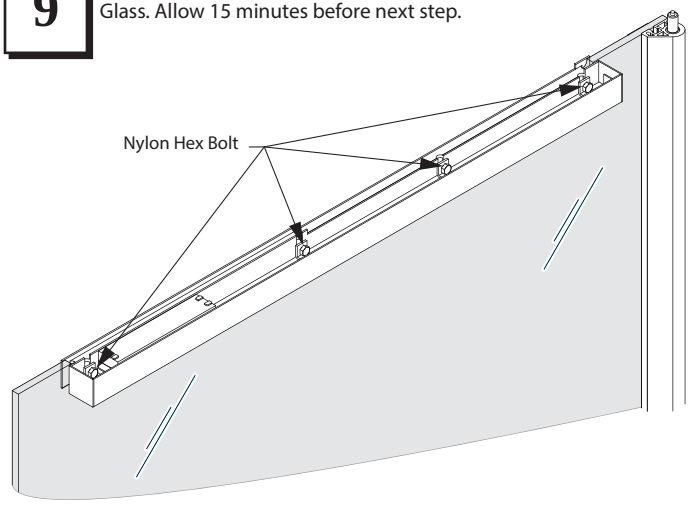
8



Door Frame removed for illustration clarity.

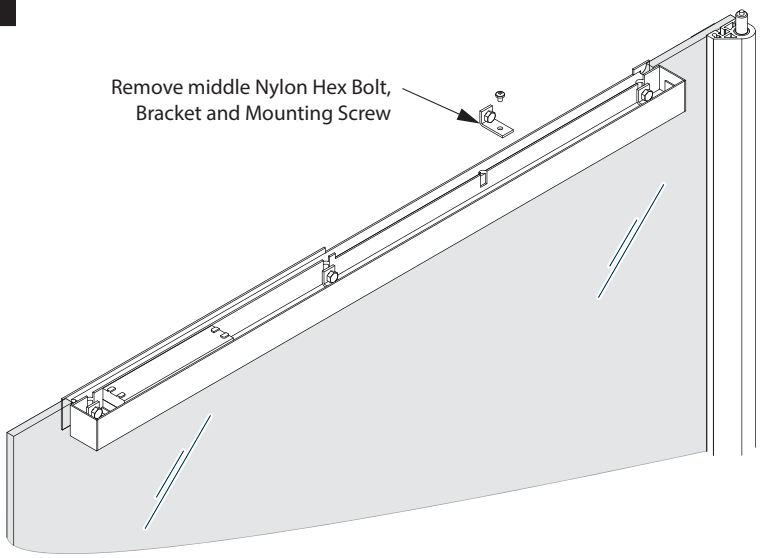
9

Tighten Nylon Hex Bolts to compress Tape against Glass. Allow 15 minutes before next step.



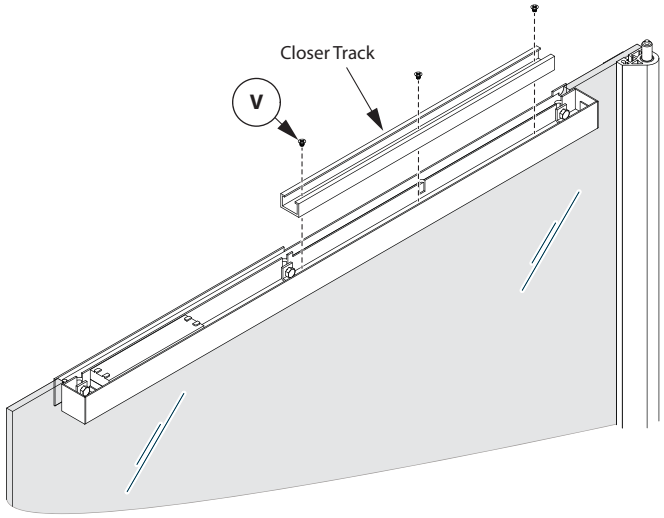
Door Frame removed for illustration clarity.

10



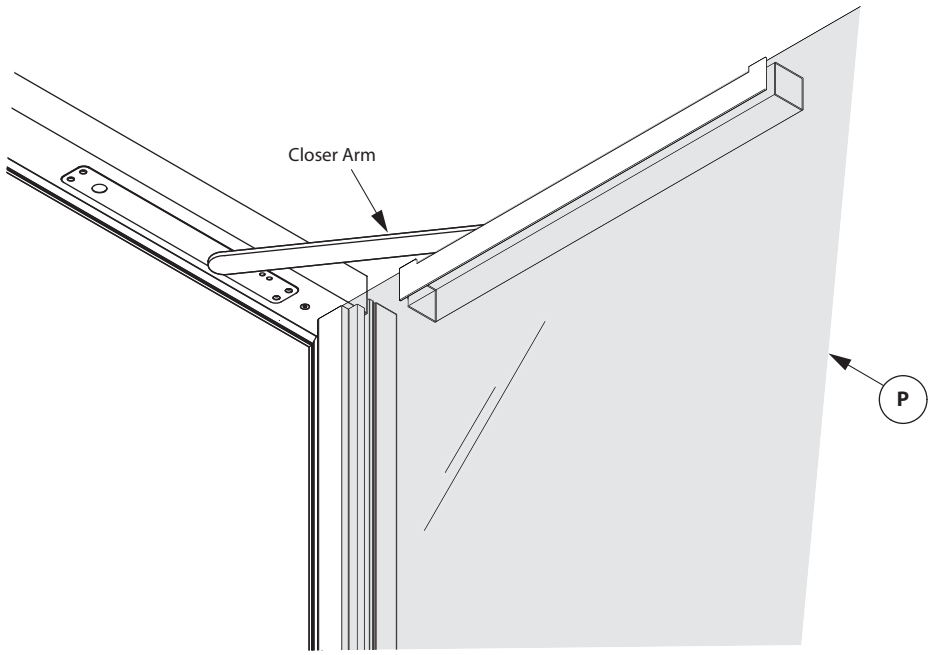
Door Frame removed for illustration clarity.

11



Door Frame removed for illustration clarity.

12



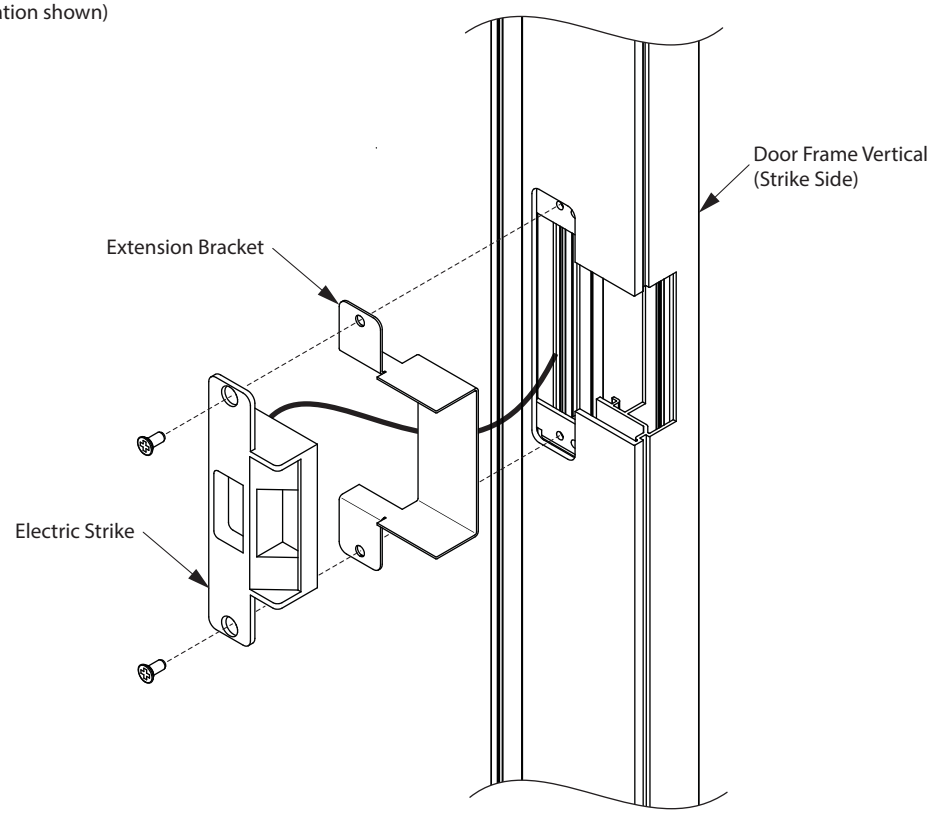
Re-assemble Closer Arm with Door assembly.
Adjust Closer per manufacturer's instructions.

Options - Electric Strike

Electric Strike Rutherford L6505

(Left-Hand Reverse application shown)

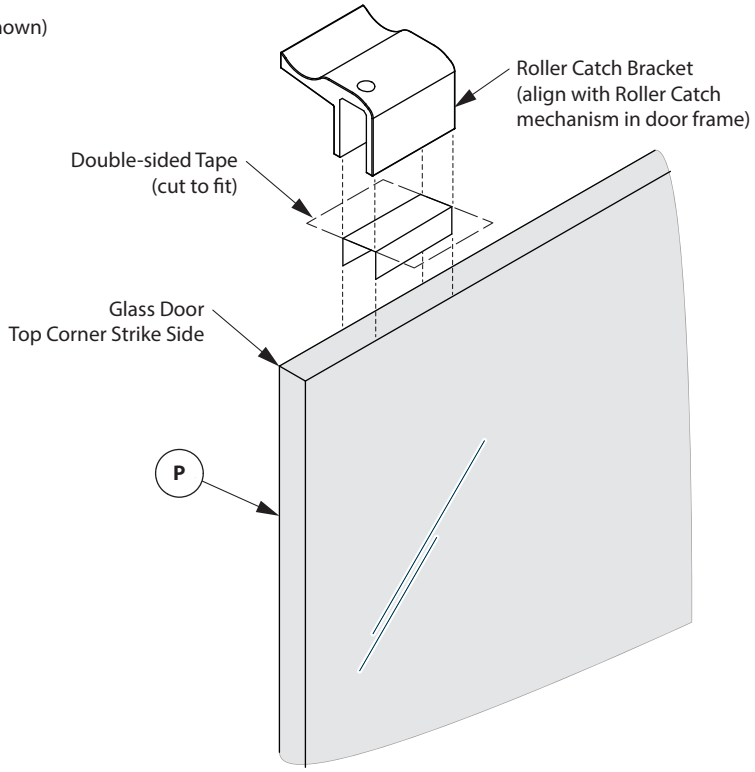
1



Options - Roller Catch

(Right-Hand application shown)

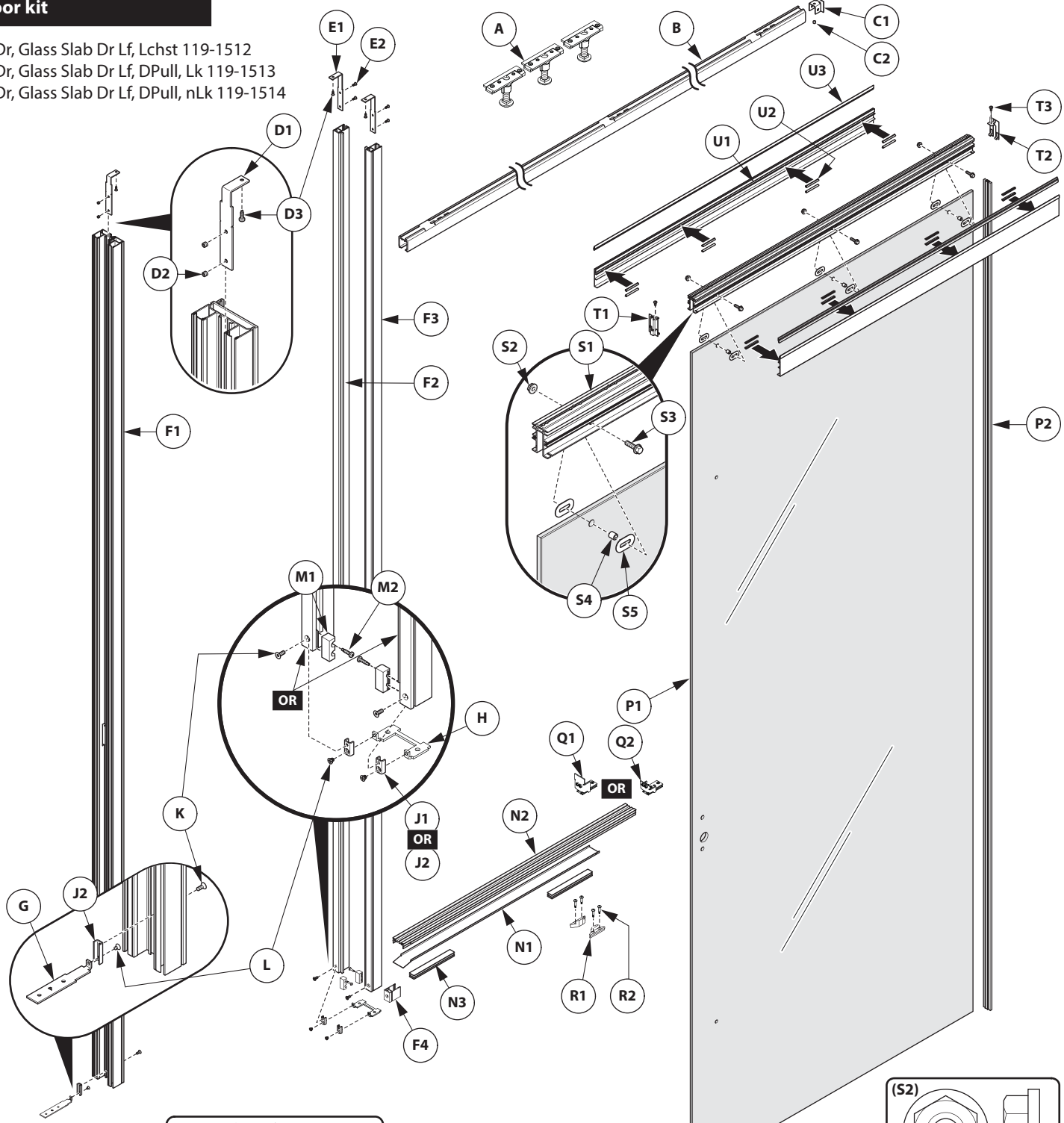
1



Section 14 - Door – Sliding (Glass Slab)

Door kit

Sl/Dr, Glass Slab Dr Lf, Lchst 119-1512
Sl/Dr, Glass Slab Dr Lf, DPull, Lk 119-1513
Sl/Dr, Glass Slab Dr Lf, DPull, nLk 119-1514



(D2) 1/4-20 x 1/4" Set Screw

(K) #10-24 x 1/2" Flat Head Screw

(S2) 1/4-20 Hex Flange Nut

(D3) #8-24 x 1/2" Tek Screw

(E2) #8-18 x 1/2" Screw

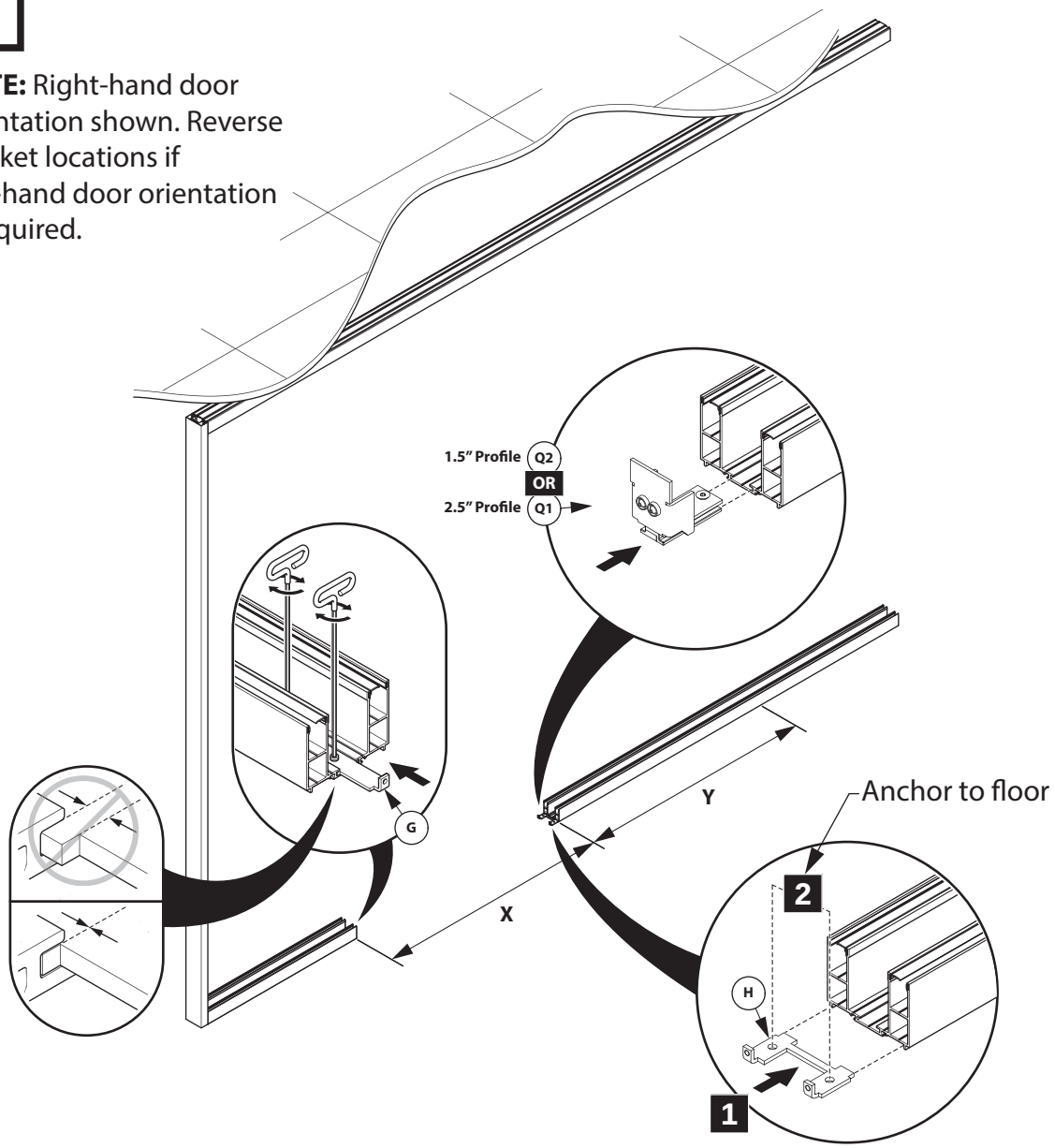
(L) #10-32 x 1/4" Flat Head Screw

(T3) #10-32 x 3/8" Screw

(S3) 1/4 - 20 X 7/8" Hex Head Washer Bolt

1

NOTE: Right-hand door orientation shown. Reverse bracket locations if Left-hand door orientation is required.

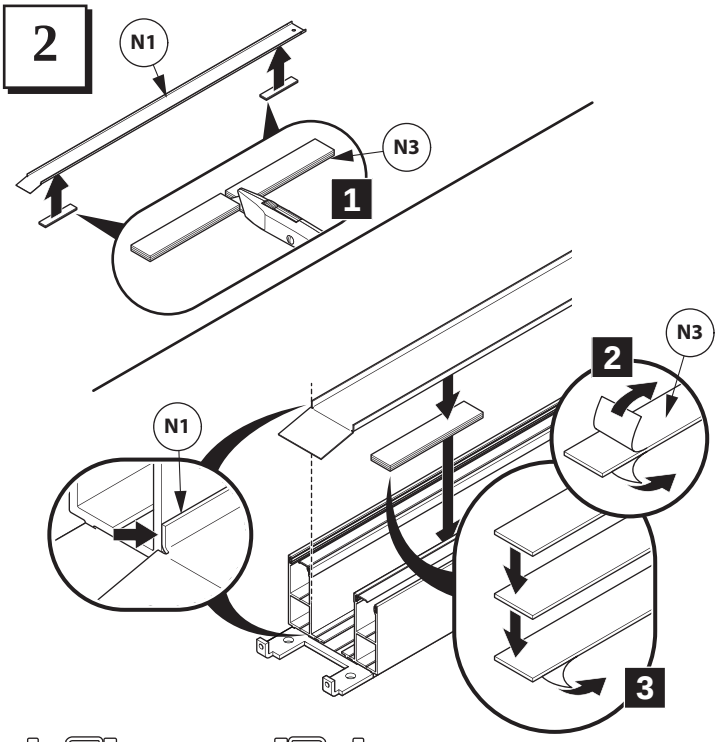


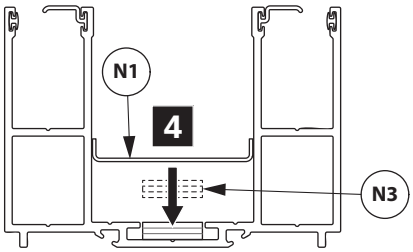
WARNING: Appropriate fasteners and floor anchors must be used to attach Pivot Plate (E) to the floor. Due to various floor constructions, fasteners and floor anchors are not provided by Haworth. Consult with the customer appointed engineer for fastener recommendations.

Sliding Door Width	(Door Opening) **X**	(Q Position) **Y**
42" (1067mm)	1108mm (43-3/8")	~ 830mm (32-5/8")
48" (1219mm)	1261mm (49-41/61")	~ 980mm (38-1/2")

Installation Steps

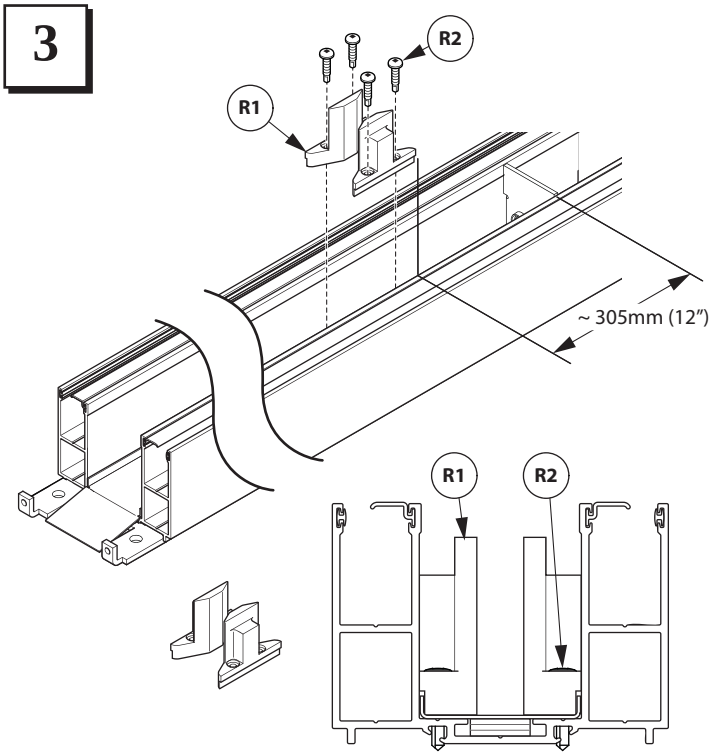
2



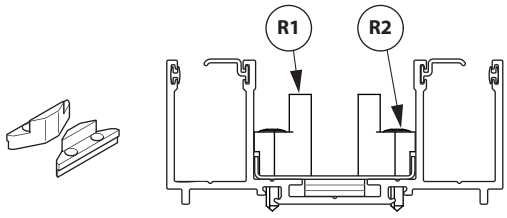


NOTE: For instructional purposes, a 2.5″ profile is shown. The same steps apply to a 1.5″ profile.

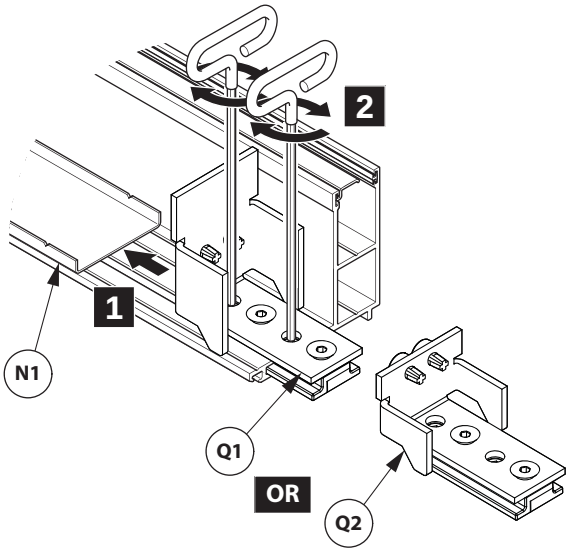
3



OR

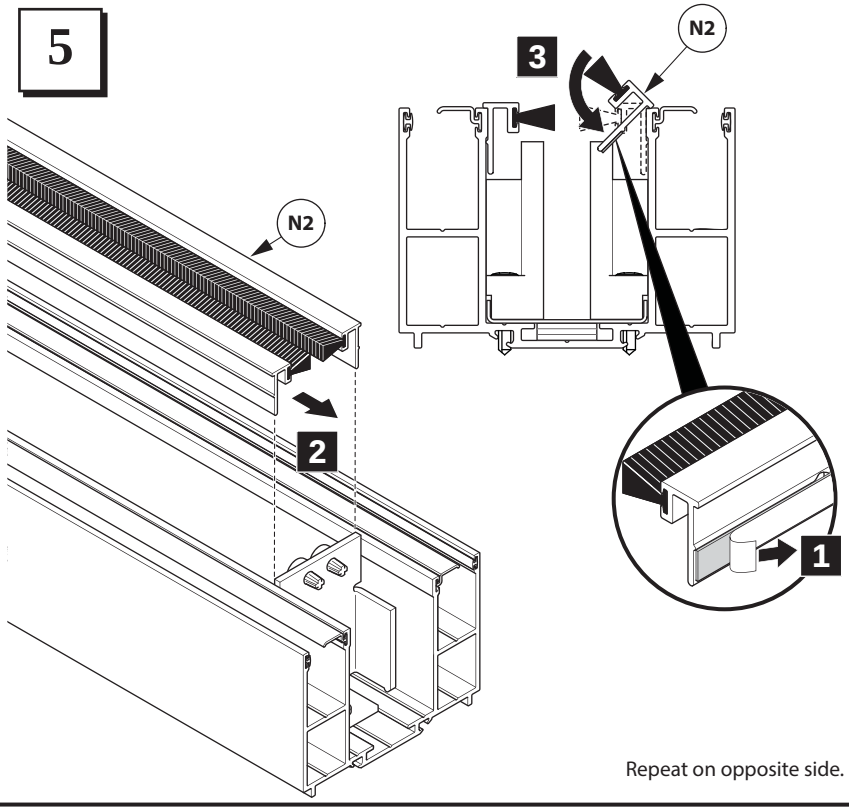


4



Bottom rail shown with inner channel removed for clarity.

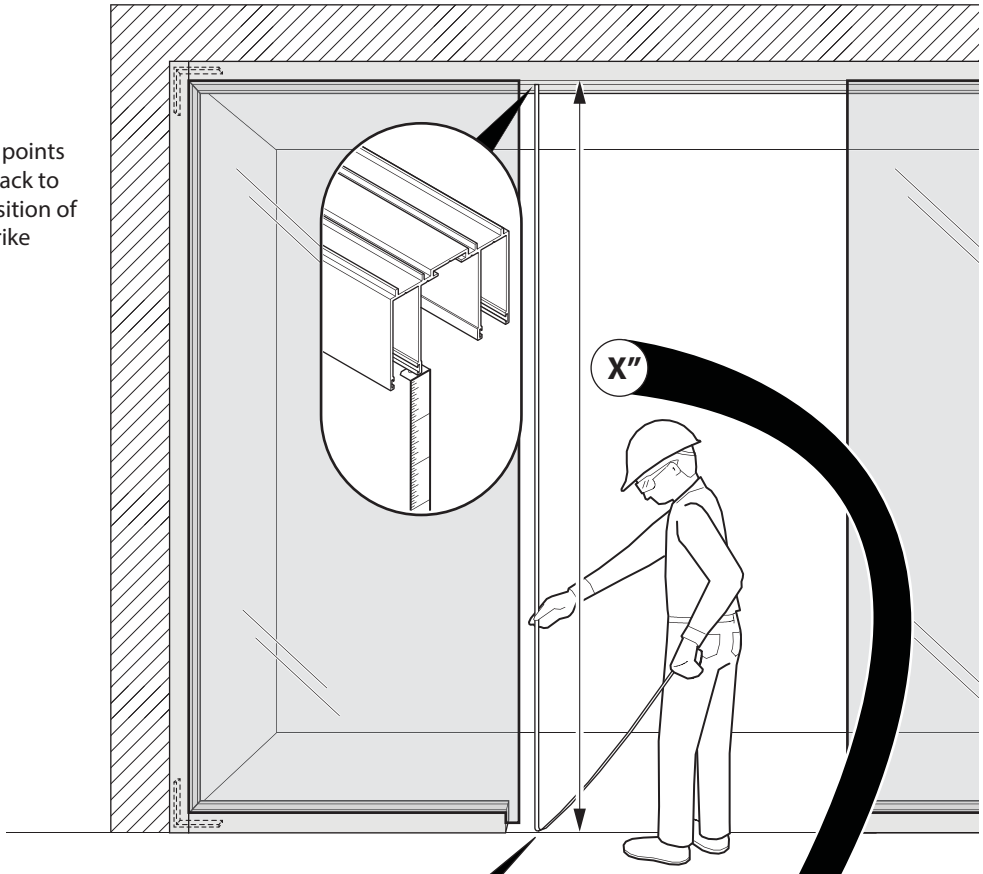
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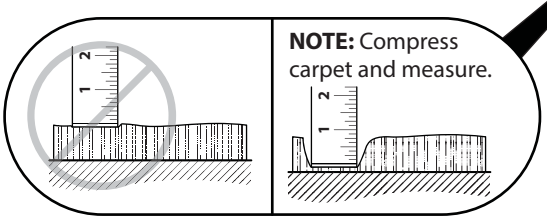


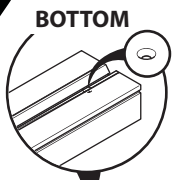
Repeat on opposite side.

6

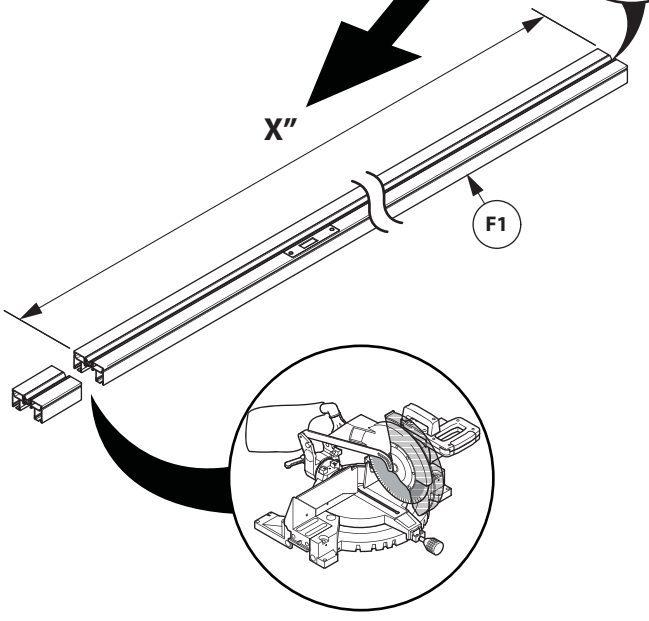
NOTE: Locate points onto ceiling track to determine position of door frame strike vertical.



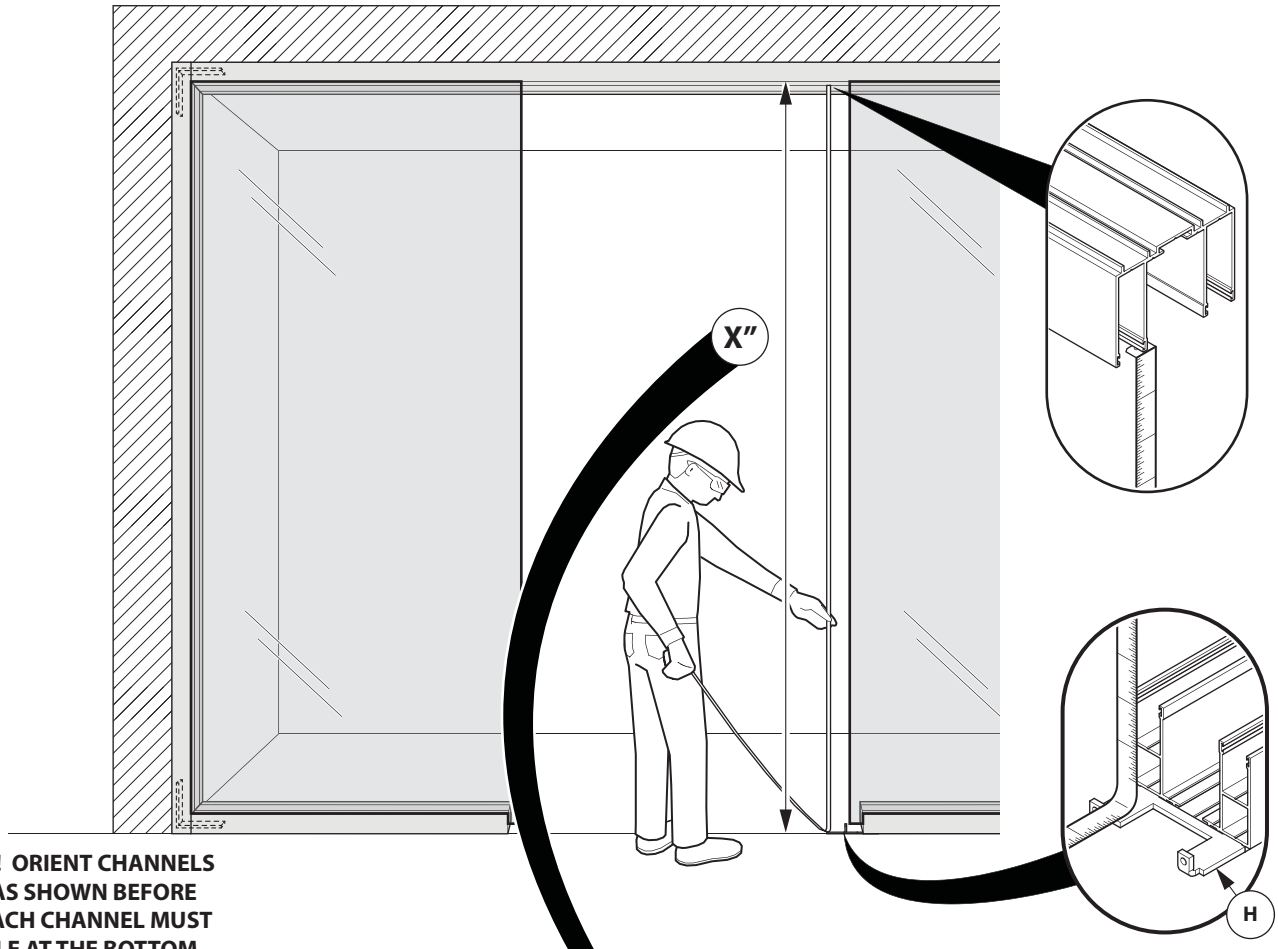




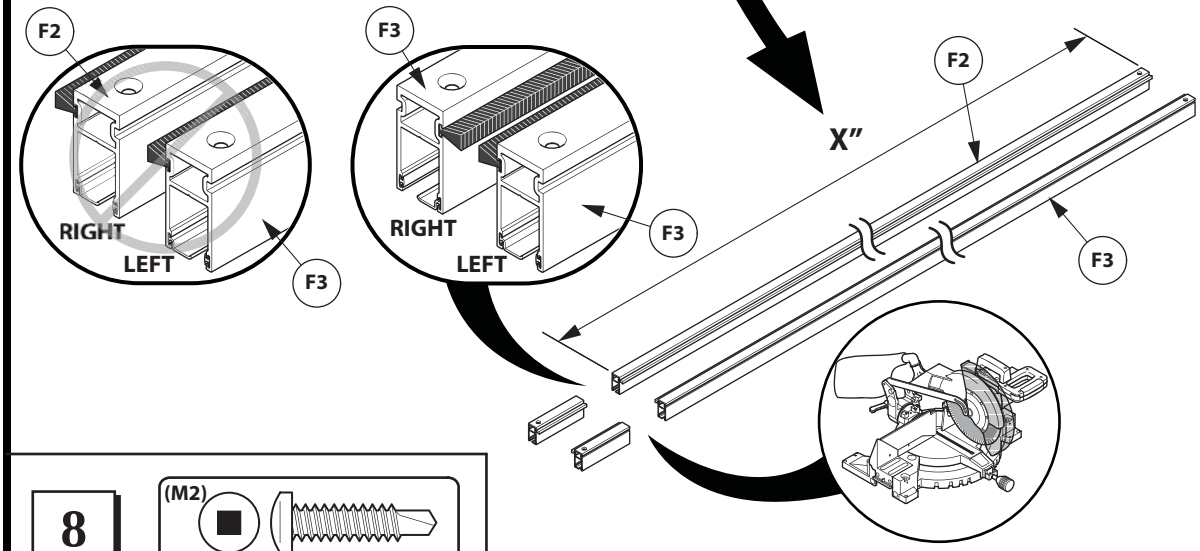
IMPORTANT! DO NOT CUT BOTTOM OF CHANNEL!



7

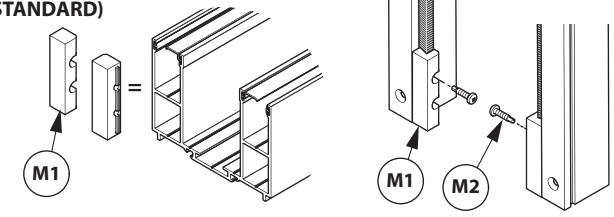


IMPORTANT! ORIENT CHANNELS (D1 & D2) AS SHOWN BEFORE CUTTING. EACH CHANNEL MUST HAVE A HOLE AT THE BOTTOM.



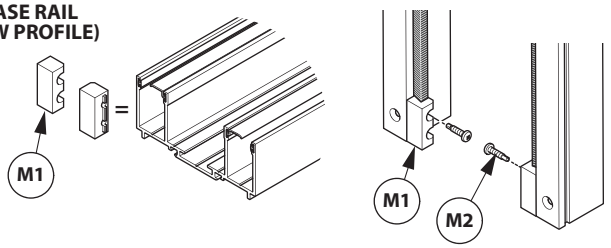
8

BASE RAIL (STANDARD)

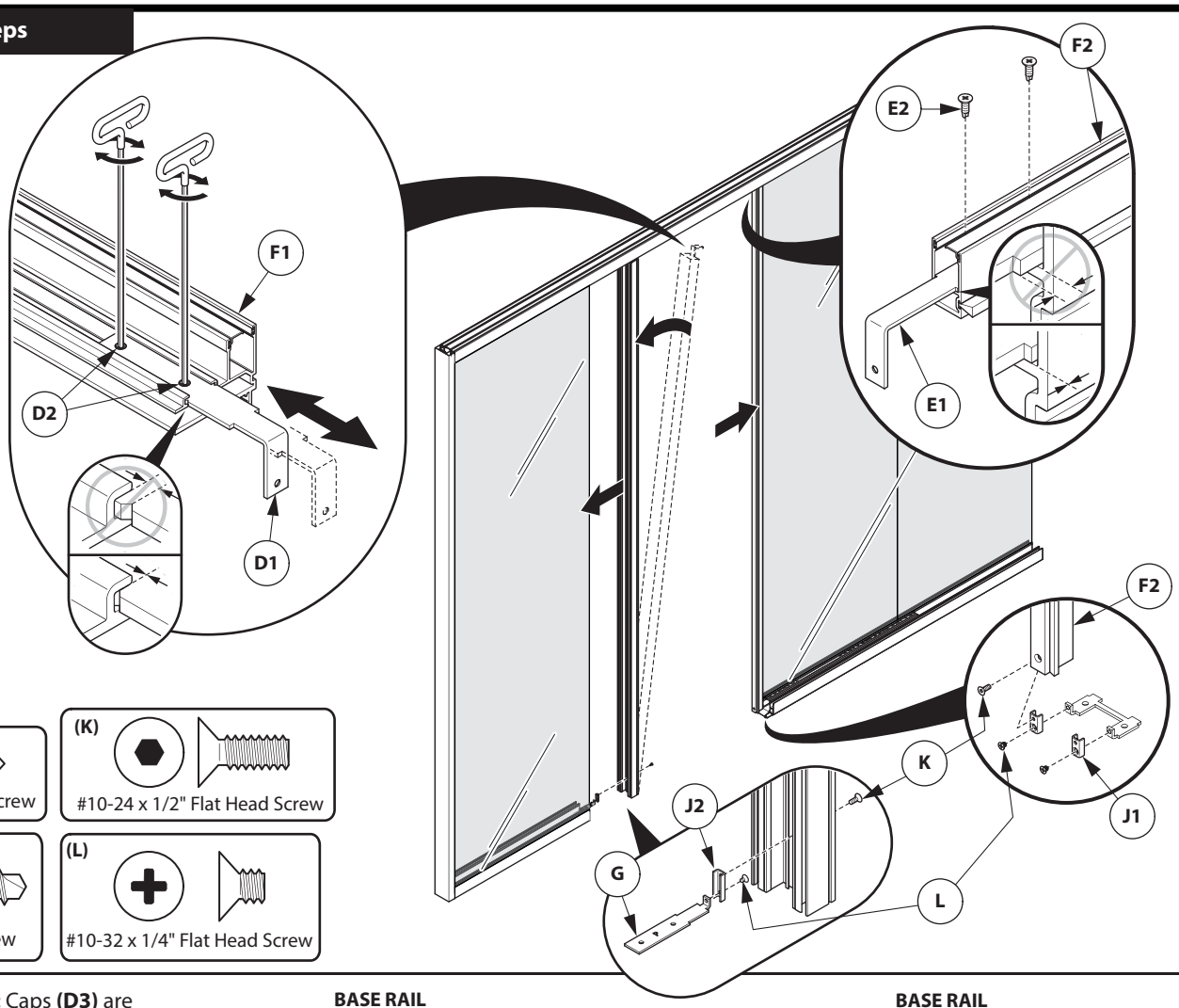


OR

BASE RAIL (LOW PROFILE)



9a



(D2) 1/4-20 x 1/4" Set Screw

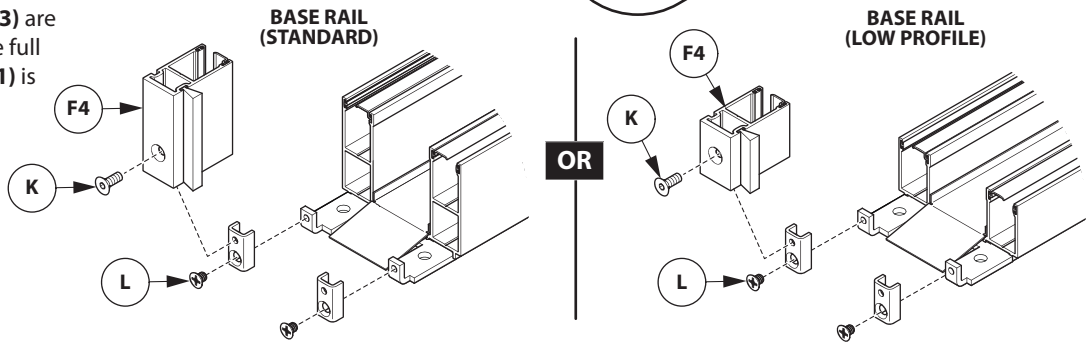
(K) #10-24 x 1/2" Flat Head Screw

(E2) #8-18 x 1/2" Screw

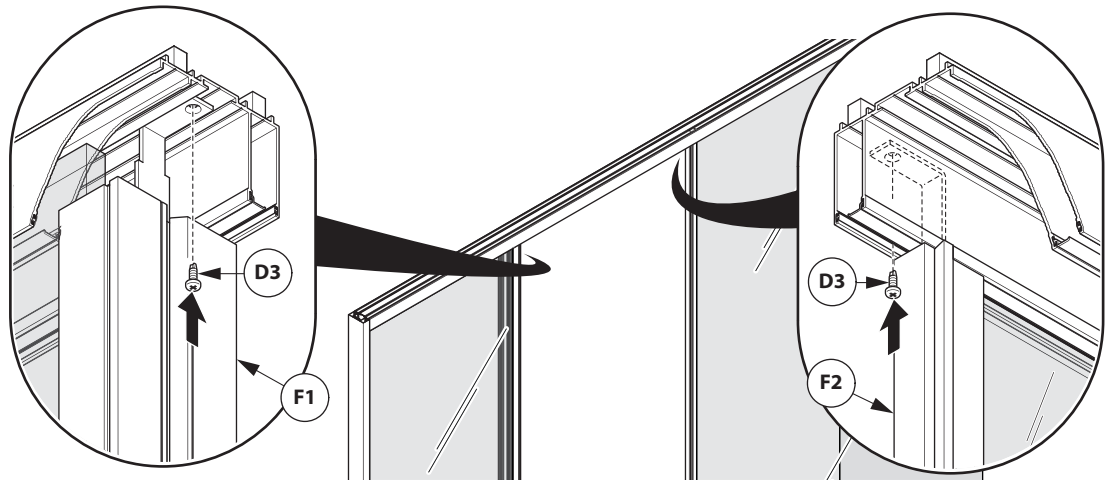
(L) #10-32 x 1/4" Flat Head Screw

9b

NOTE: Caps **(D3)** are used when one full height post **(D1)** is ordered.

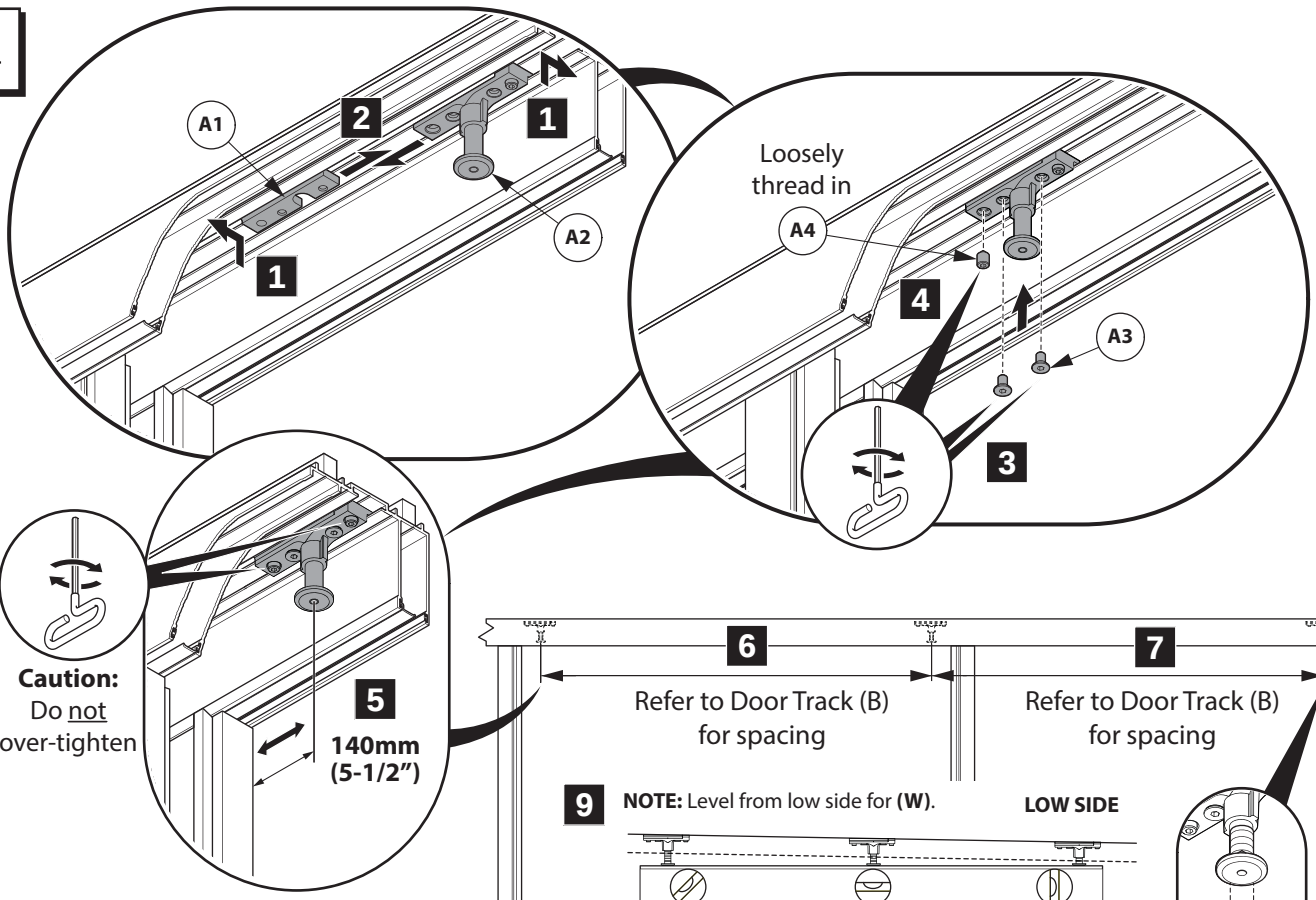


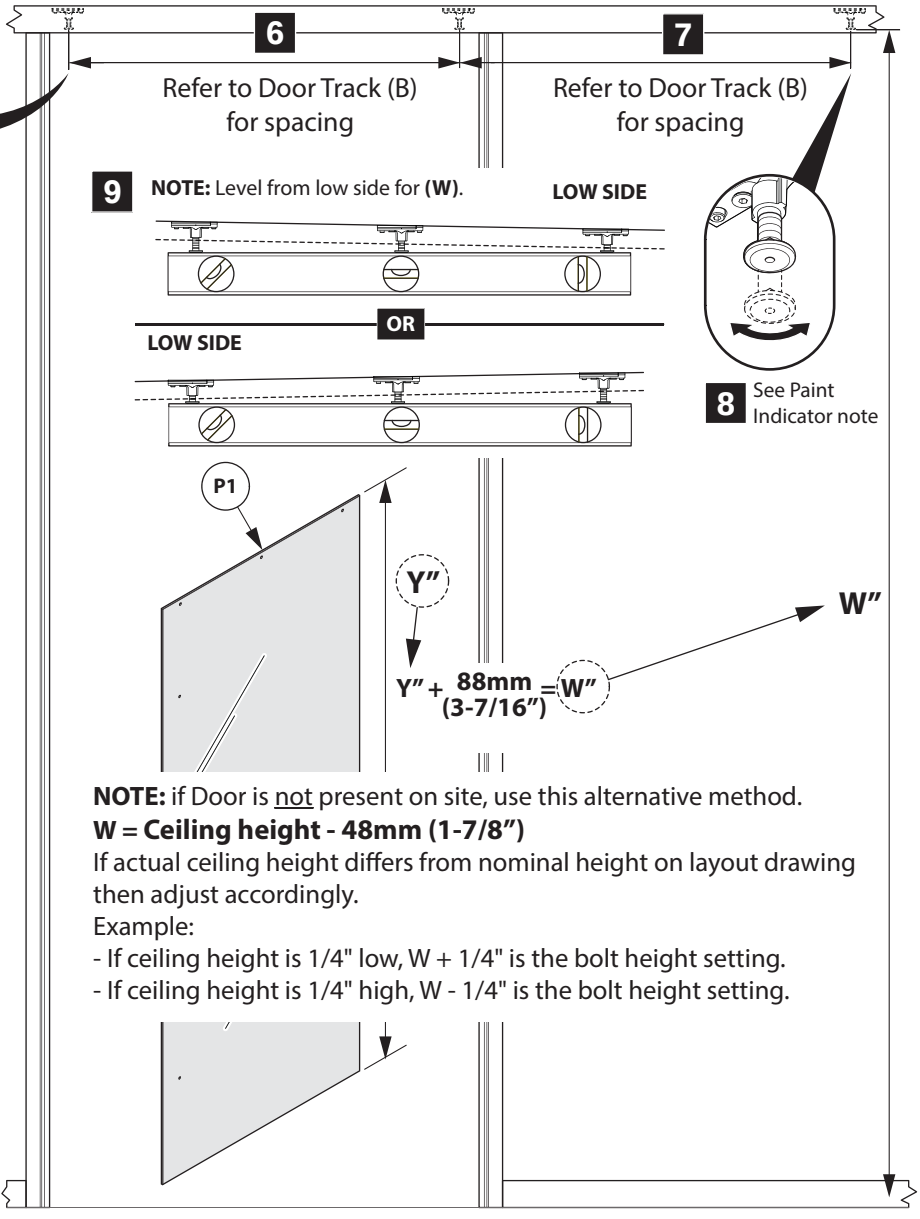
10



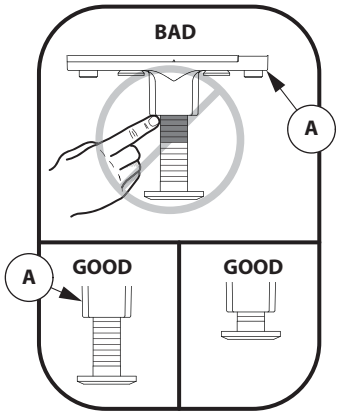
(D3) #8-24 x 1/2" Tek Screw

11

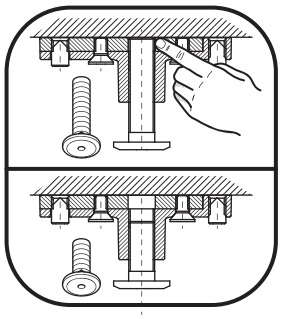




NOTE: The paint "indicator" at the end of screw must not be visible.



NOTE: If the longer bolt bottoms out, use the shorter bolt.



NOTE: if Door is not present on site, use this alternative method.

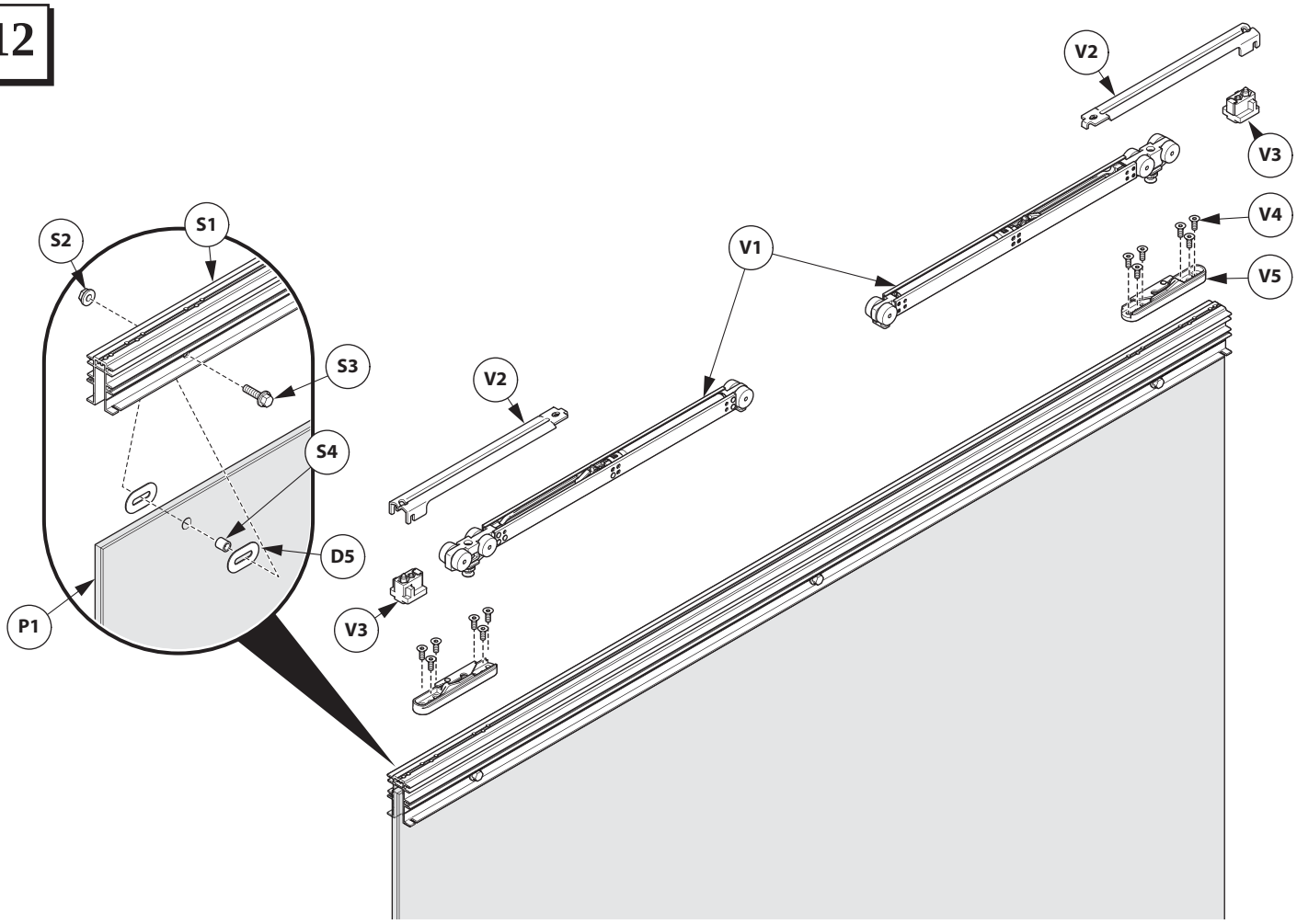
W = Ceiling height - 48mm (1-7/8")

If actual ceiling height differs from nominal height on layout drawing then adjust accordingly.

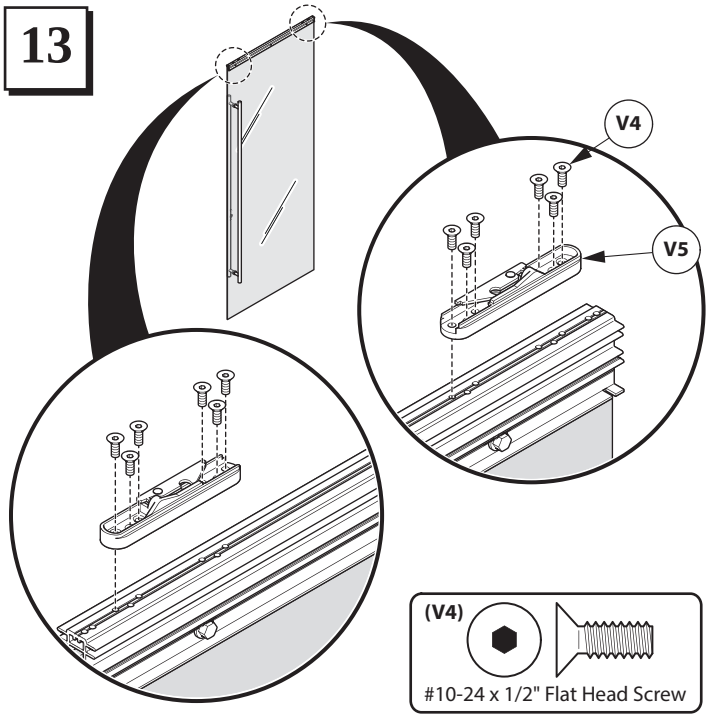
Example:

- If ceiling height is 1/4" low, W + 1/4" is the bolt height setting.
- If ceiling height is 1/4" high, W - 1/4" is the bolt height setting.

12



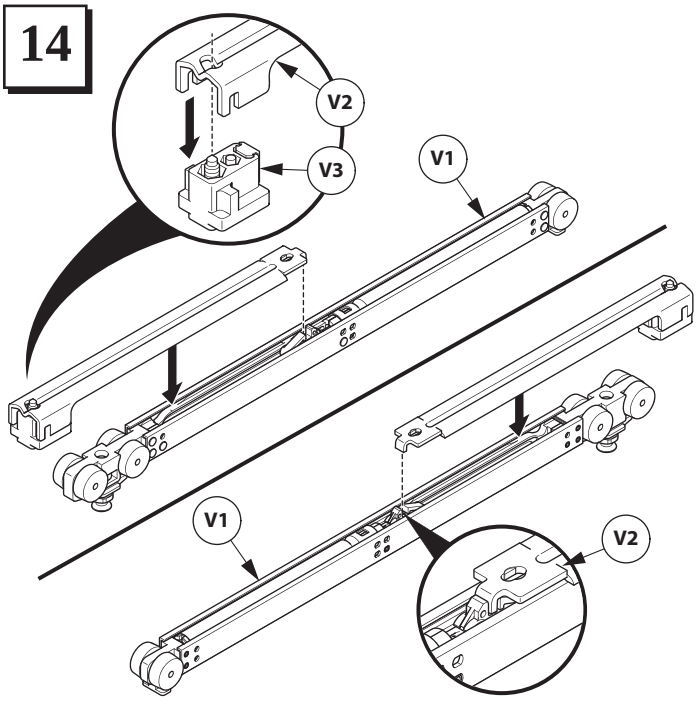
13



(V4)

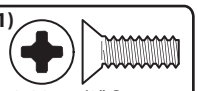
#10-24 x 1/2" Flat Head Screw

14

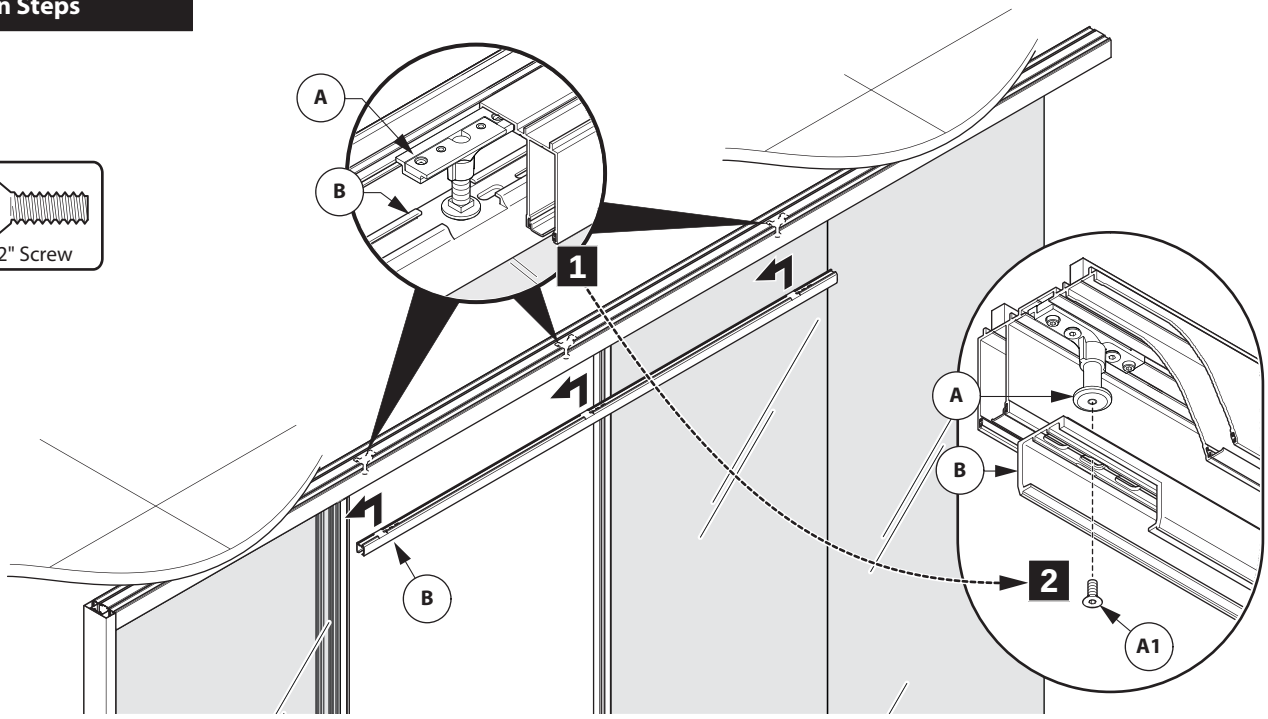


15

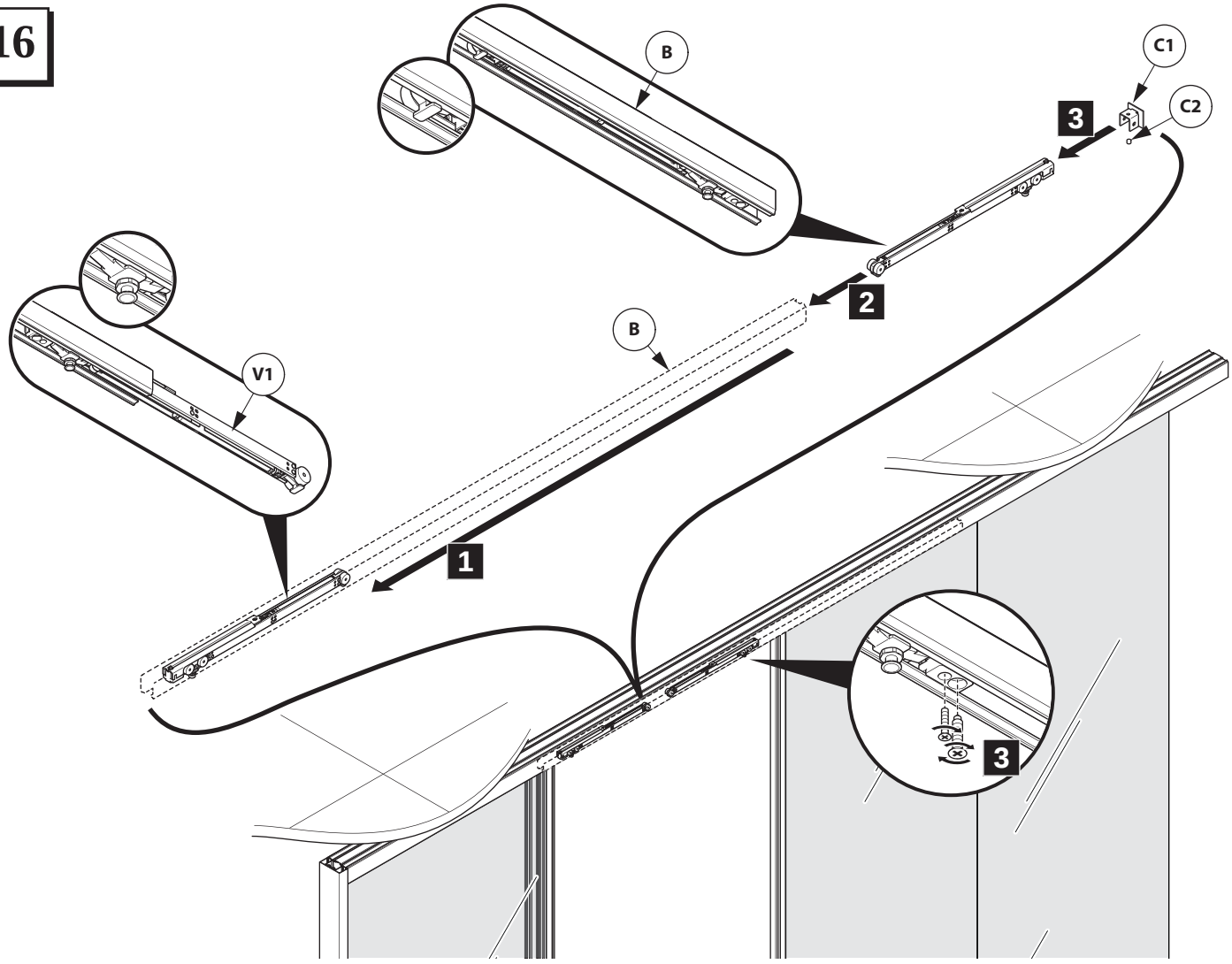
(A1)



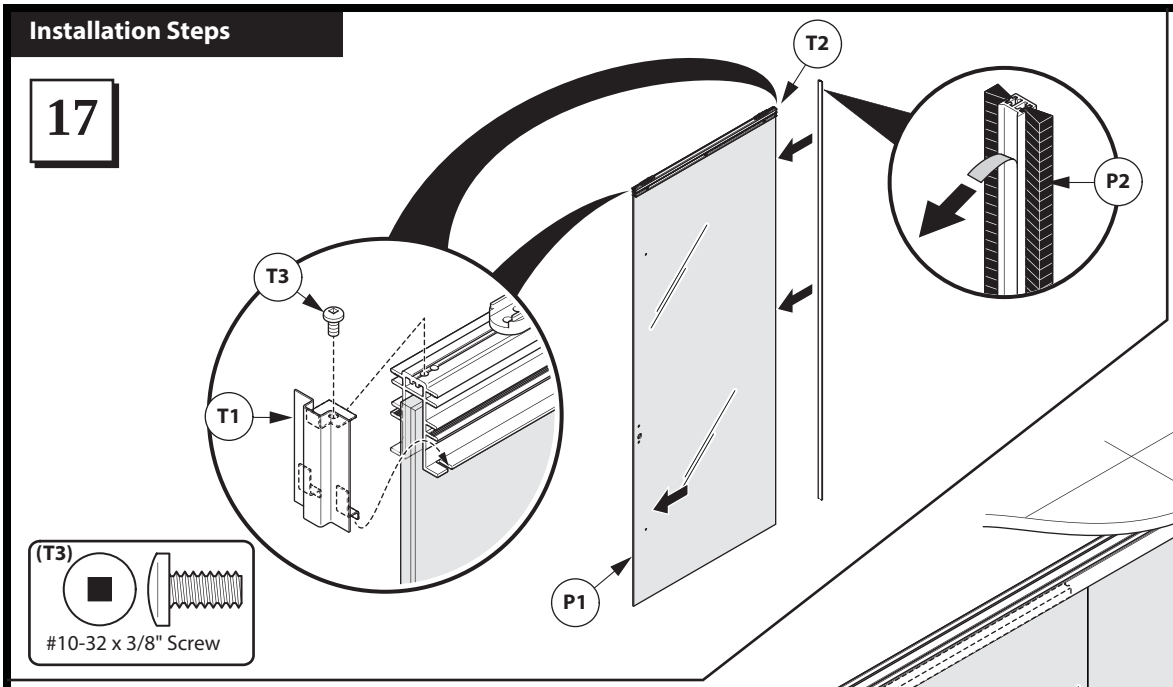
#8-32 x 1/2" Screw



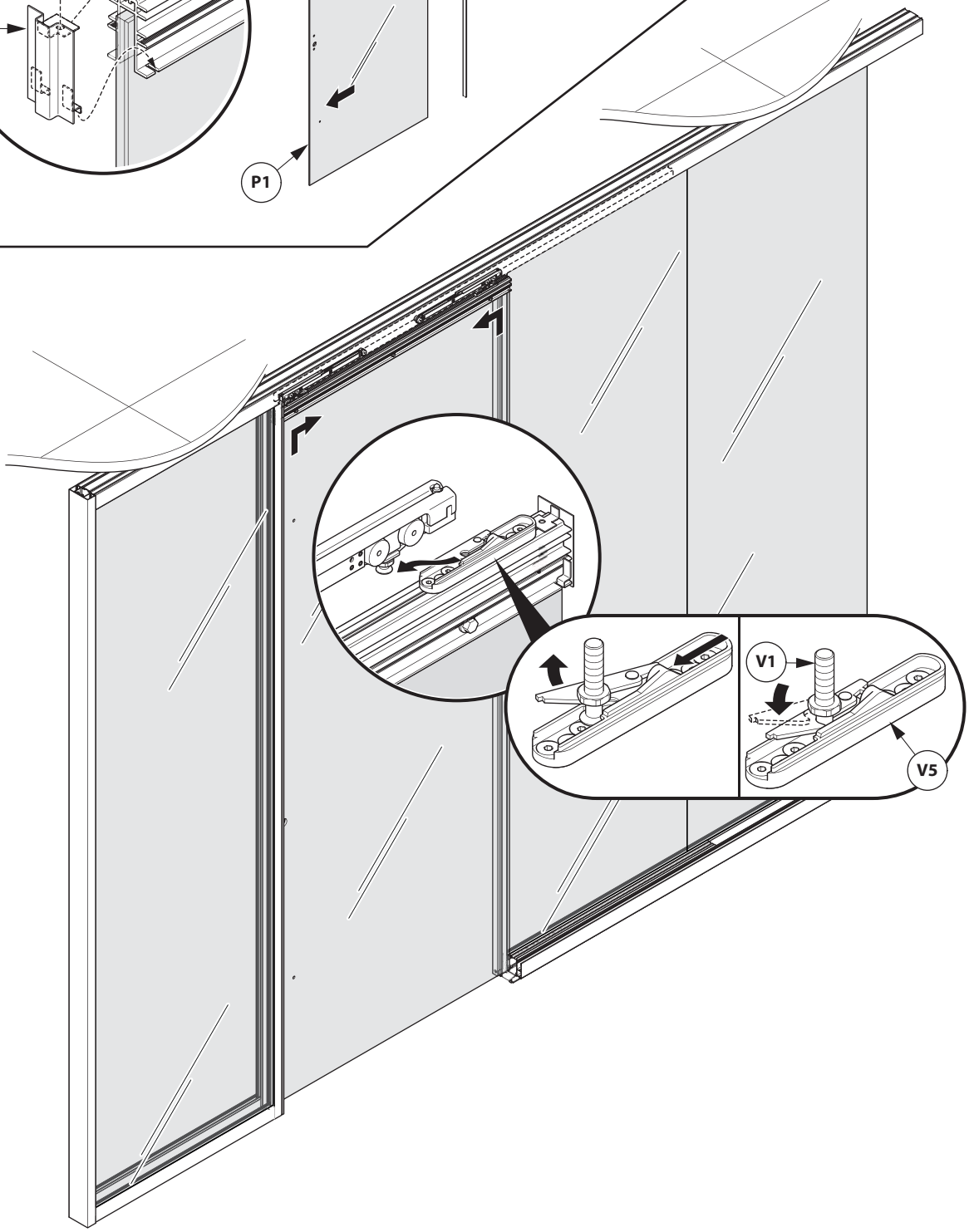
16



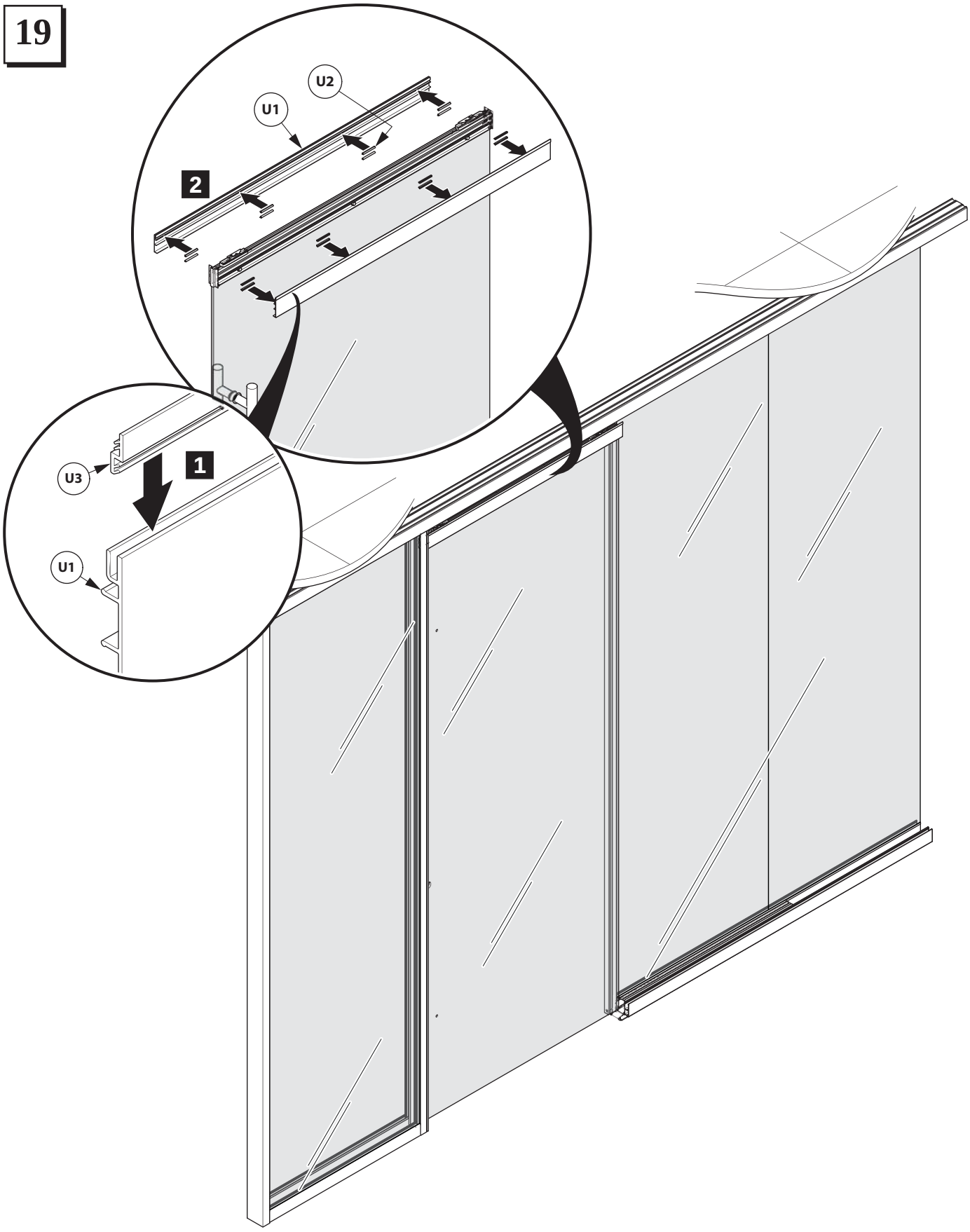
17



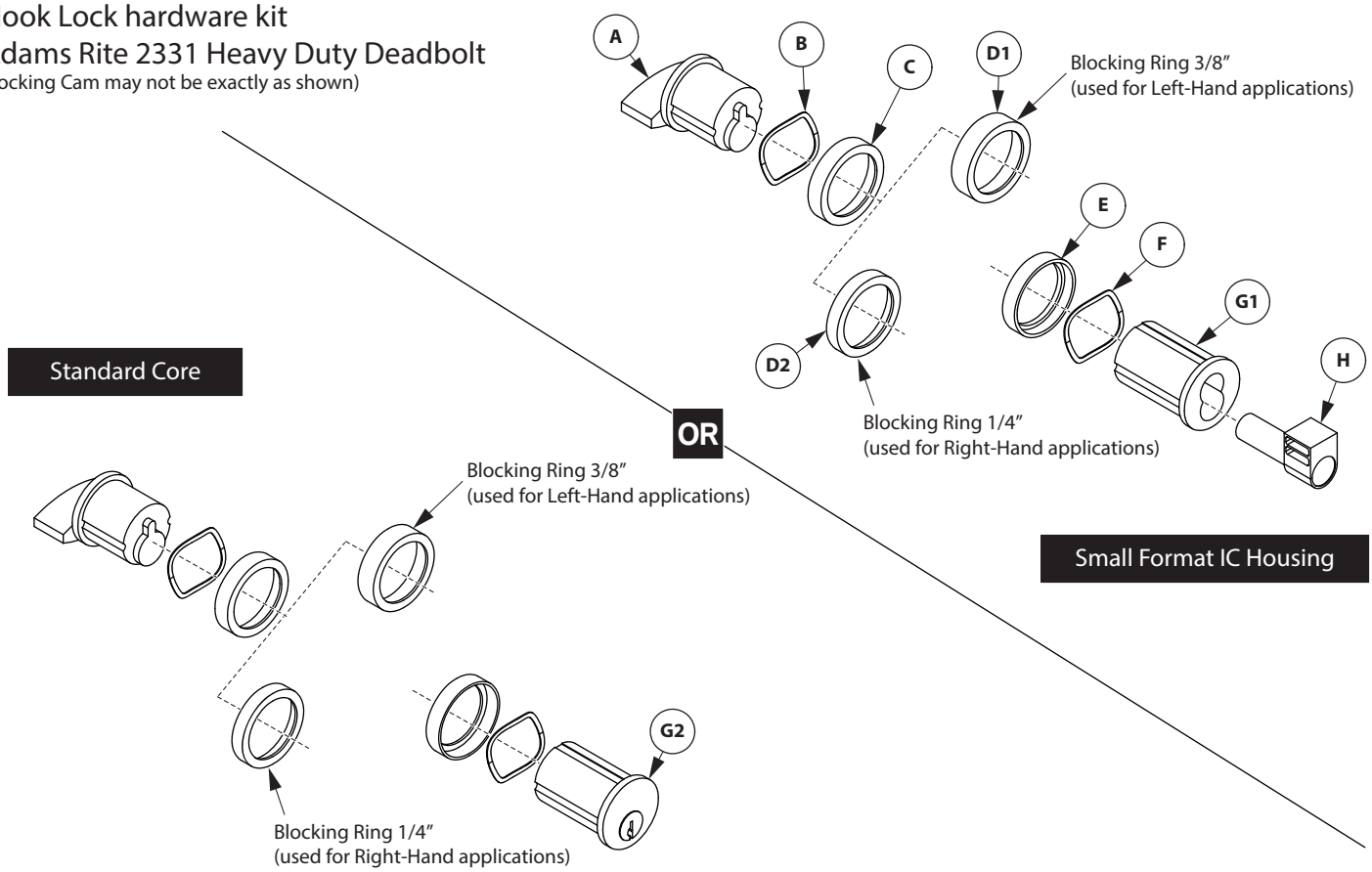
18



19

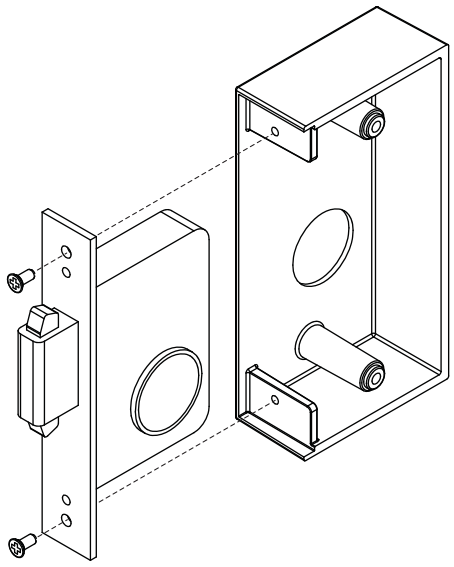


Hook Lock hardware kit
Adams Rite 2331 Heavy Duty Deadbolt
(Locking Cam may not be exactly as shown)



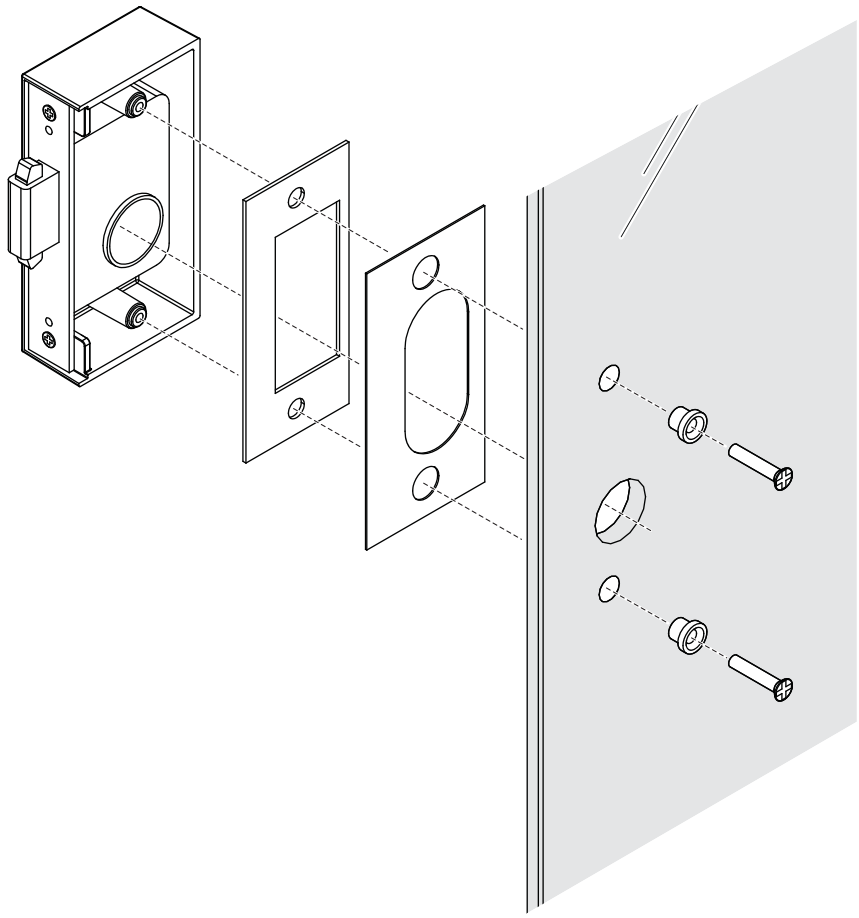
1

(Right-hand application shown)



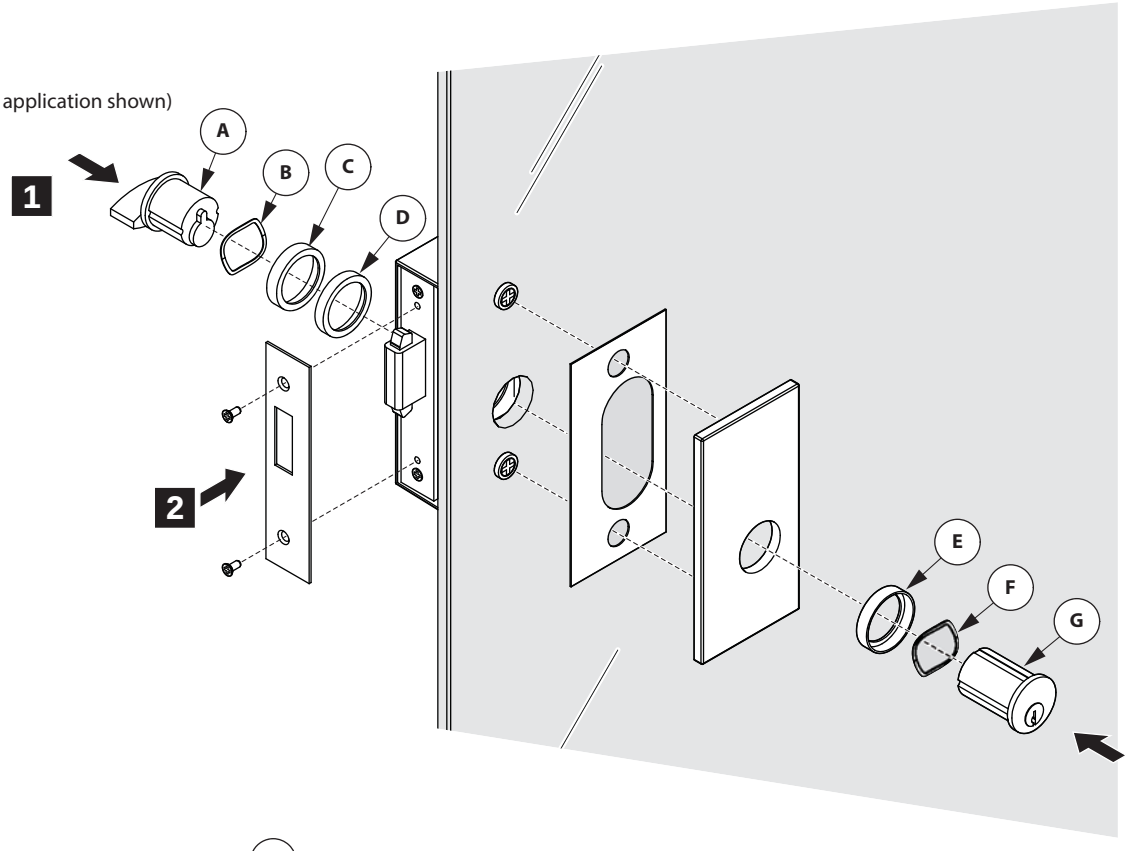
2

(Right-hand application shown)



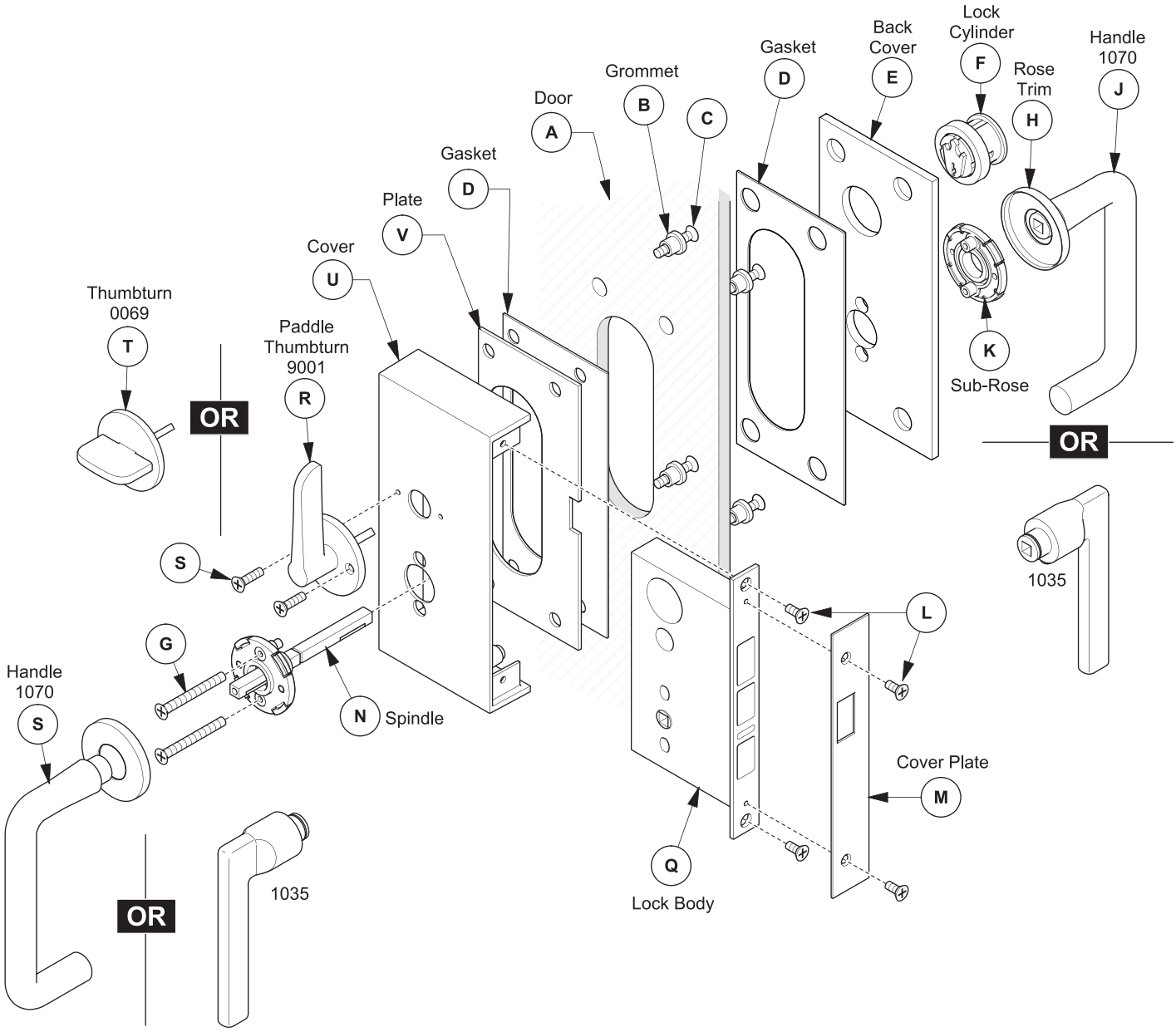
3

(Right-hand application shown)



Egress Entry Lock hardware kit (RA-B)
Egress ADA Entry Lock hardware kit (RC-B)

(Locking Cam may not be exactly as shown)

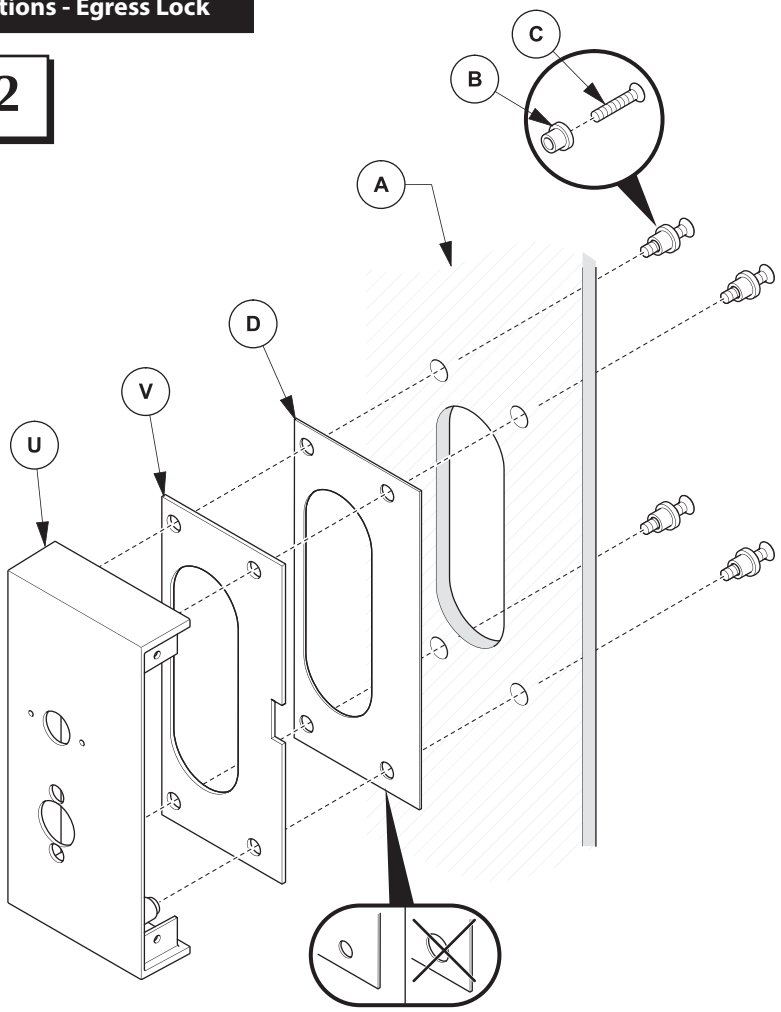


1

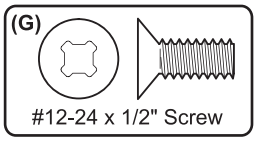
Preparation:

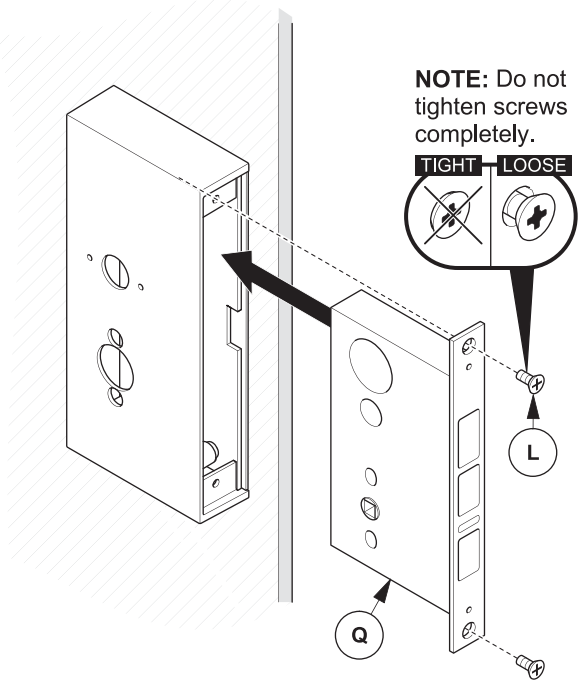
- ☐ Check: Strike must be on the same side of door as cutout in glass slab.
- ☐ Check: Frame must be level plumb and square. This is especially important for locking doors.

2

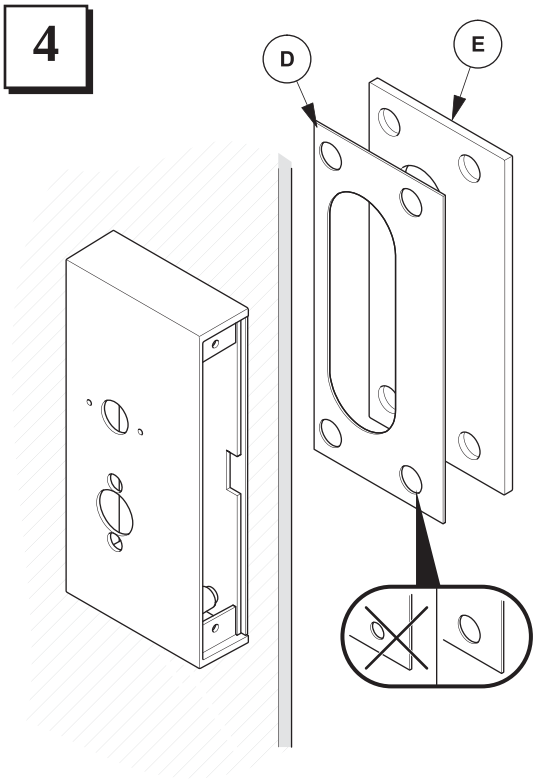

C
B
A
D
V
U

3

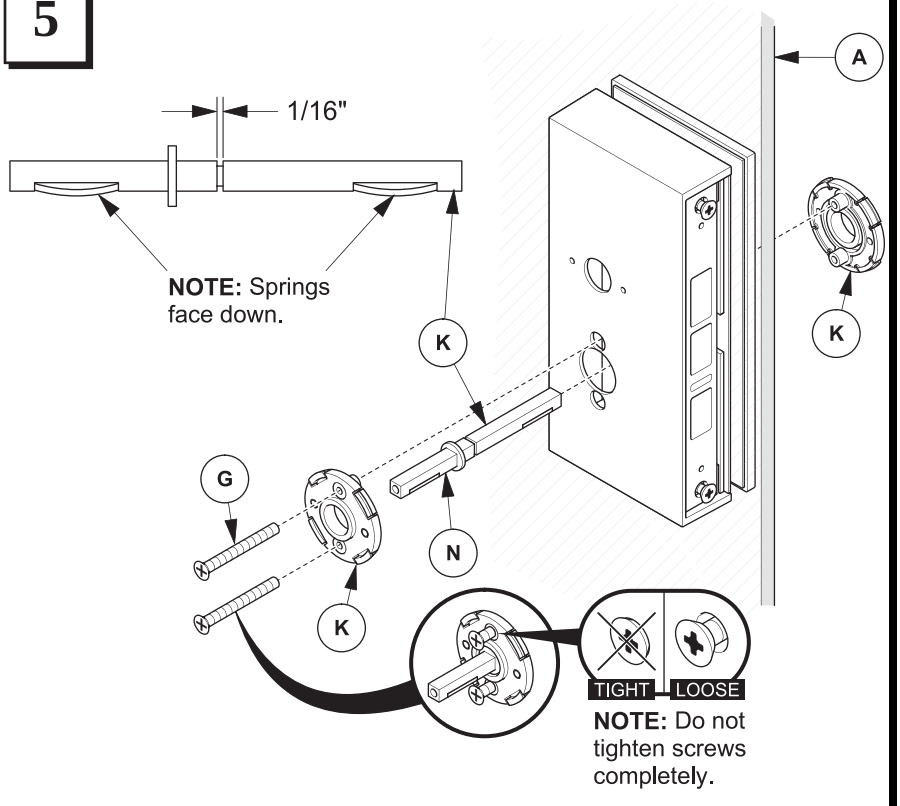

(G)
#12-24 x 1/2" Screw


NOTE: Do not tighten screws completely.
TIGHT
LOOSE
L
Q

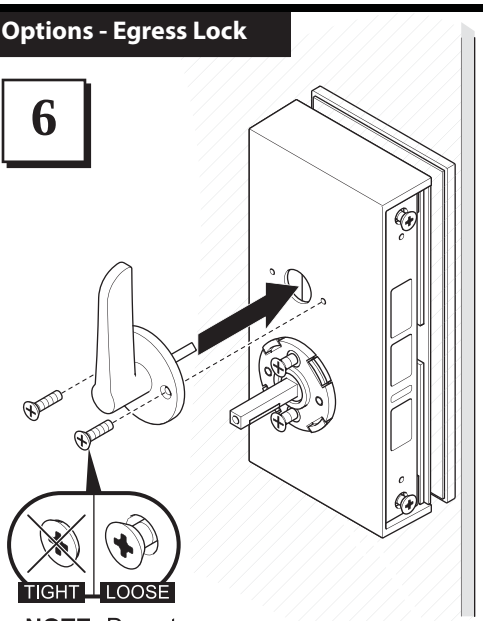
4


D
E

5

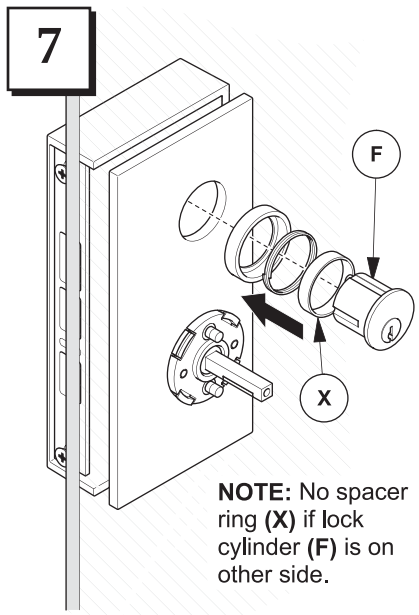

1/16"
NOTE: Springs face down.
A
K
K
G
N
K
TIGHT
LOOSE
NOTE: Do not tighten screws completely.

6



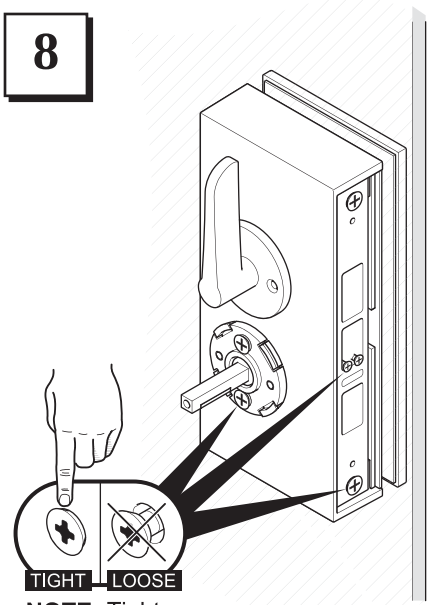
NOTE: Do not tighten screws completely.

7



NOTE: No spacer ring **(X)** if lock cylinder **(F)** is on other side.

8

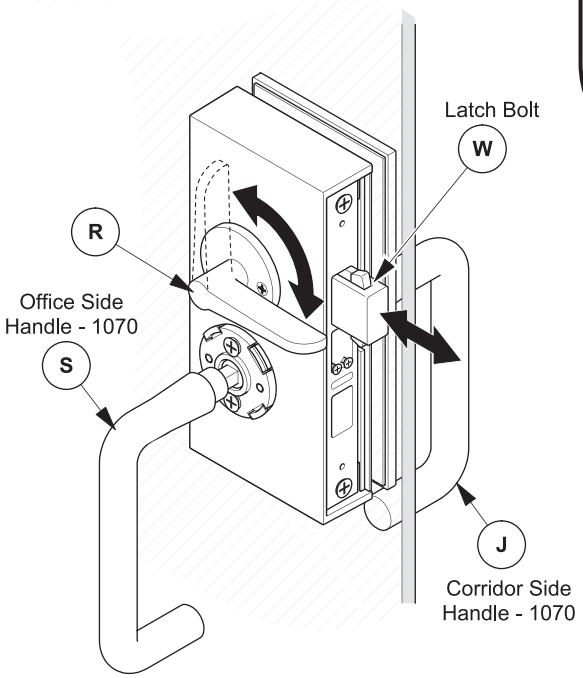


NOTE: Tighten all screws completely.

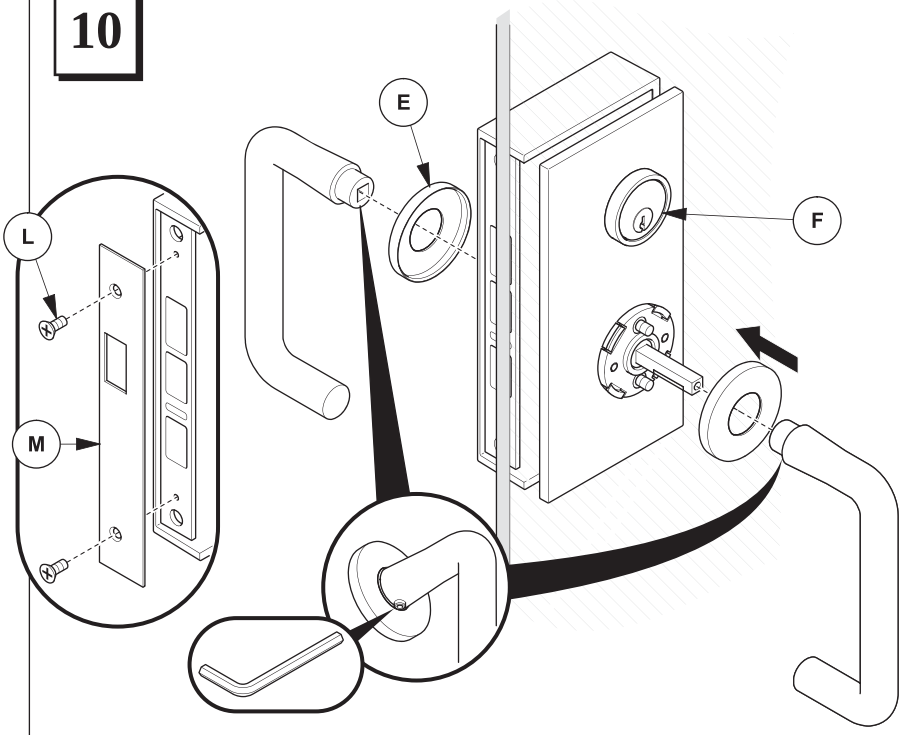
9

NOTE: Operating the thumbturn **(R)** and keyed cylinder **(F)** must extend (out) and retract (in) the latch bolt **(W)**. With the latch bolt **(W)** in the extended (locked) position the corridor side handle **(J)** must be locked, and operating the office side handle **(S)** must withdraw (unlock) the latch bolt **(W)**.

The lock must operate smoothly. If it operates with difficulty check for proper parts alignment and/or over tightened screws.



10



11

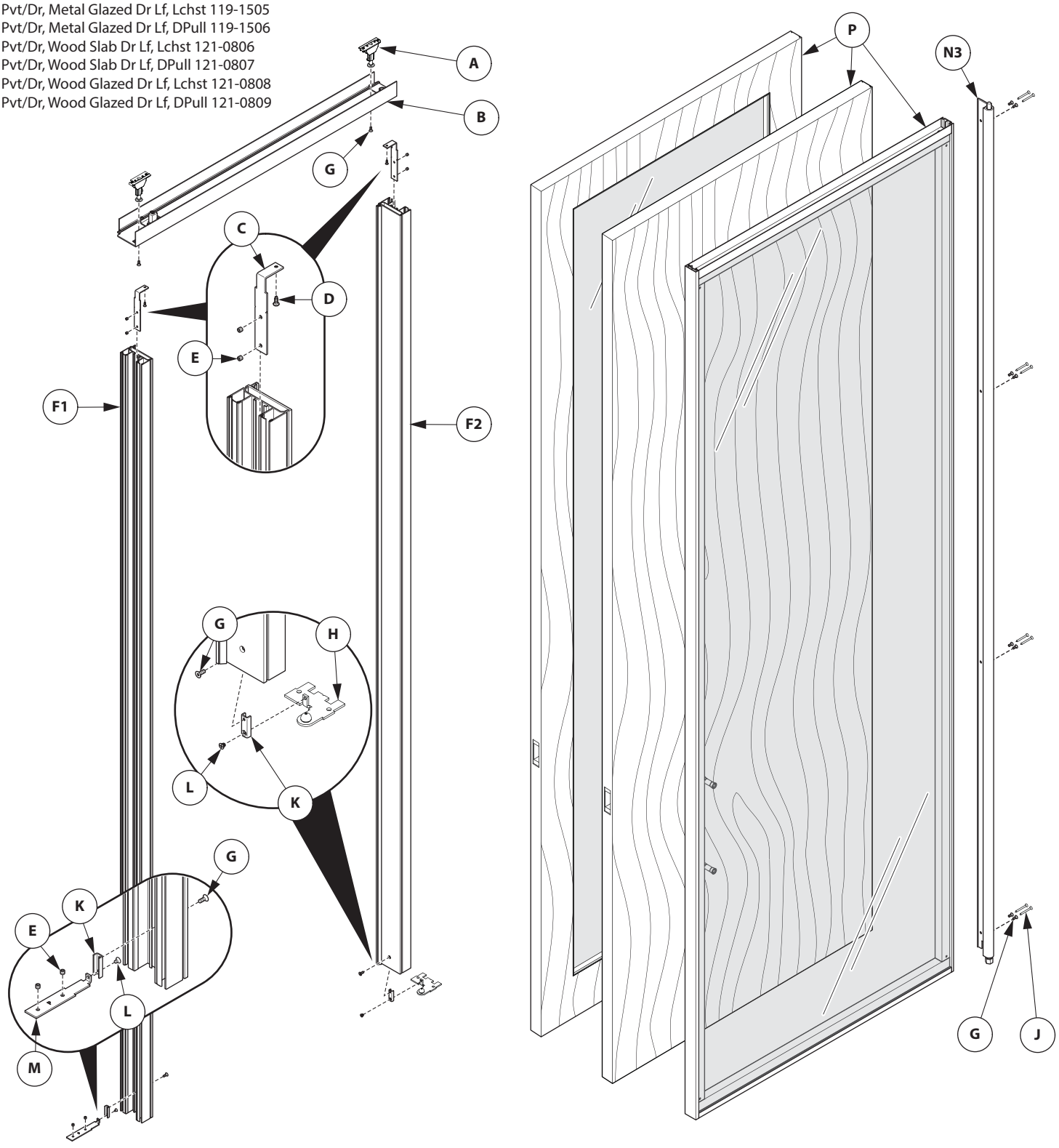
Align lock with strike and test:

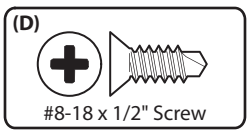
- ☐ Adjust door height per door instruction so that edge of door is parallel to door frame and latch is in center of strike hole.
- ☐ Adjust top stop in door track so that lock engages easily in strike without excessive play.
- ☐ Check the lock function. Lock must operate smoothly.

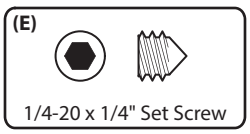
Section 15 - Door – Pivot (Metal Glazed, Wood and Wood Glazed)

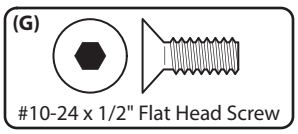
Door kit

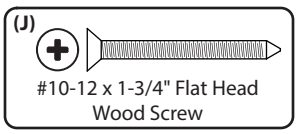
Pvt/Dr, Metal Glazed Dr Lf, Lchst 119-1505
Pvt/Dr, Metal Glazed Dr Lf, DPull 119-1506
Pvt/Dr, Wood Slab Dr Lf, Lchst 121-0806
Pvt/Dr, Wood Slab Dr Lf, DPull 121-0807
Pvt/Dr, Wood Glazed Dr Lf, Lchst 121-0808
Pvt/Dr, Wood Glazed Dr Lf, DPull 121-0809

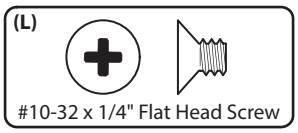






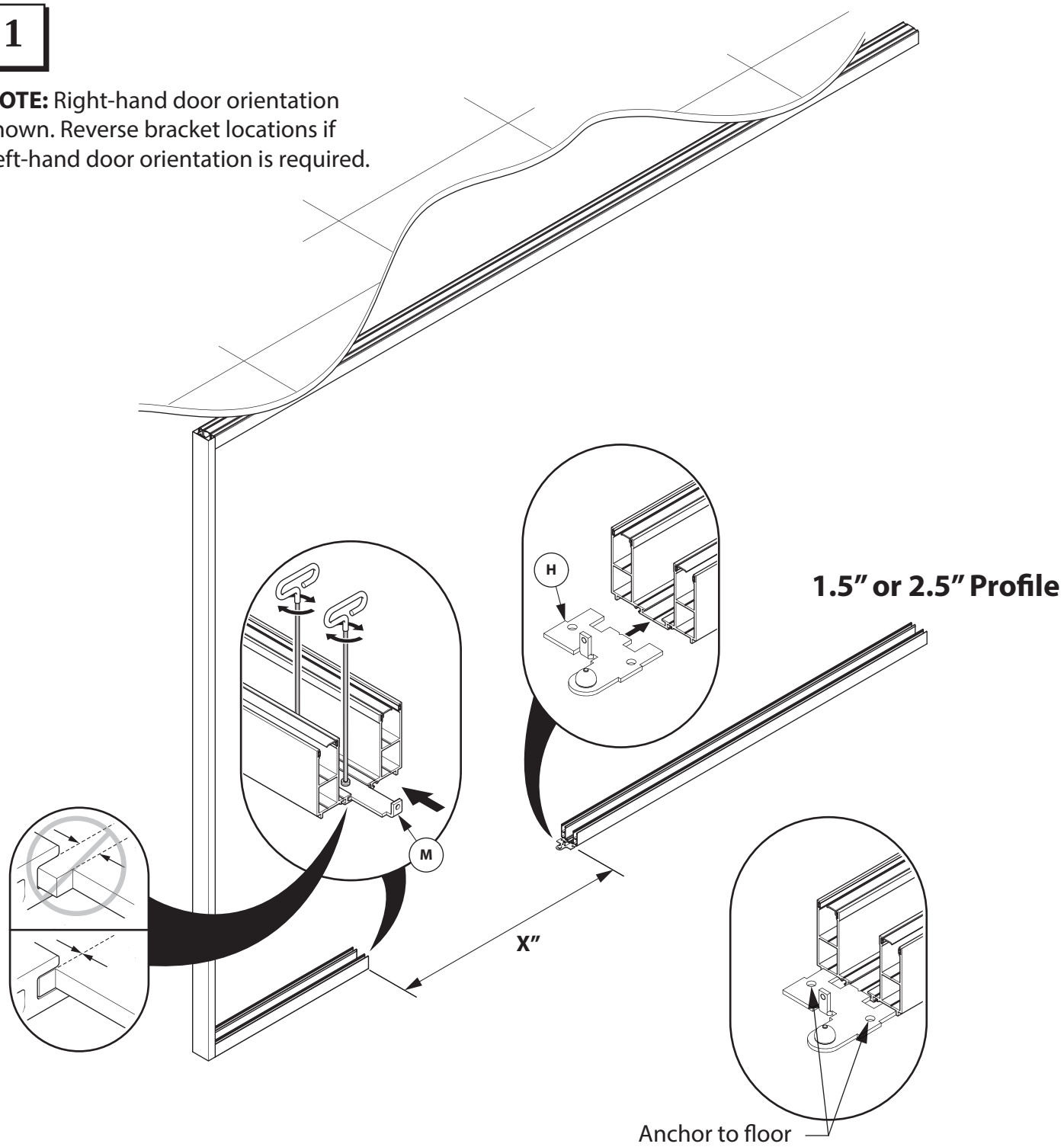






1

NOTE: Right-hand door orientation shown. Reverse bracket locations if Left-hand door orientation is required.

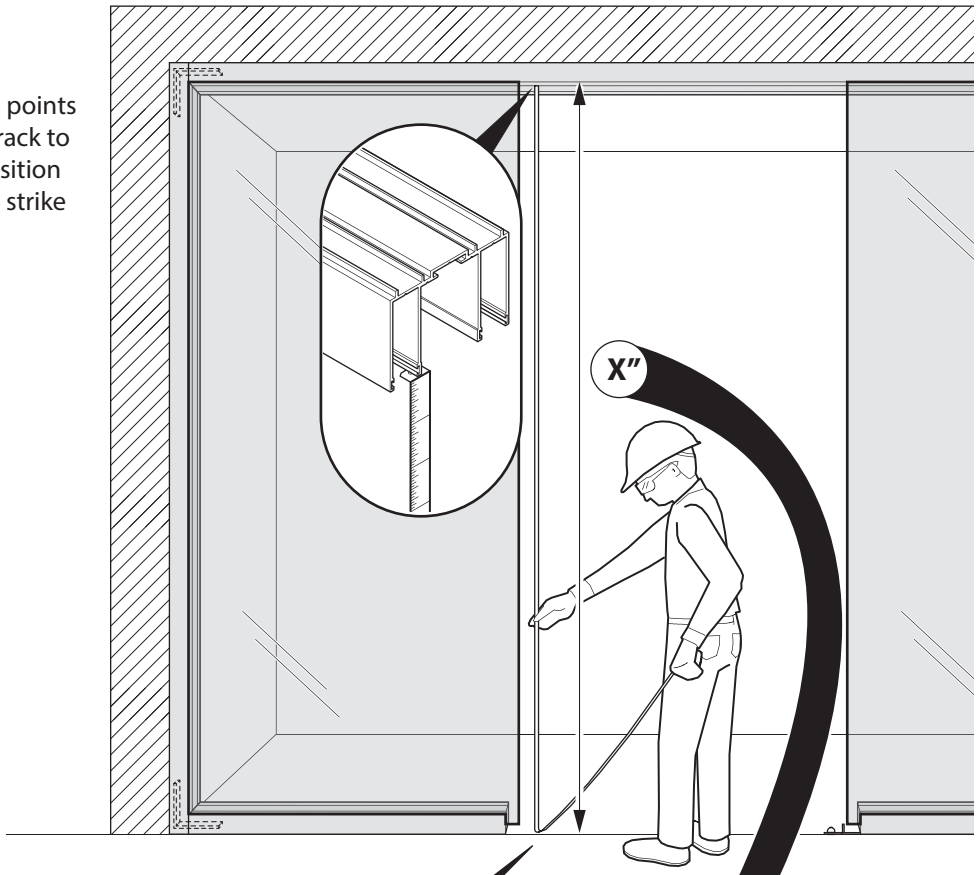


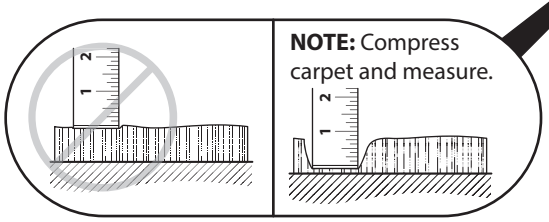
WARNING: Appropriate fasteners and floor anchors must be used to attach Pivot Plate (E) to the floor. Due to various floor constructions, fasteners and floor anchors are not provided by Haworth. Consult with the customer appointed engineer for fastener recommendations.

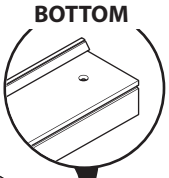
Pivot Door Width	X"
36" (914mm)	1012mm (39-13/16")
42" (1067mm)	1164mm (45-13/16")
48" (1219mm)	1317mm (51-13/16")

2

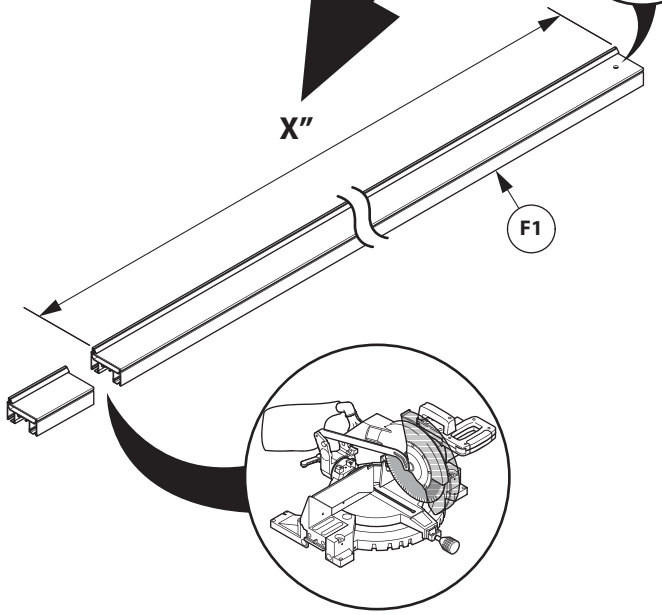
NOTE: Locate points onto ceiling track to determine position of door frame strike vertical.



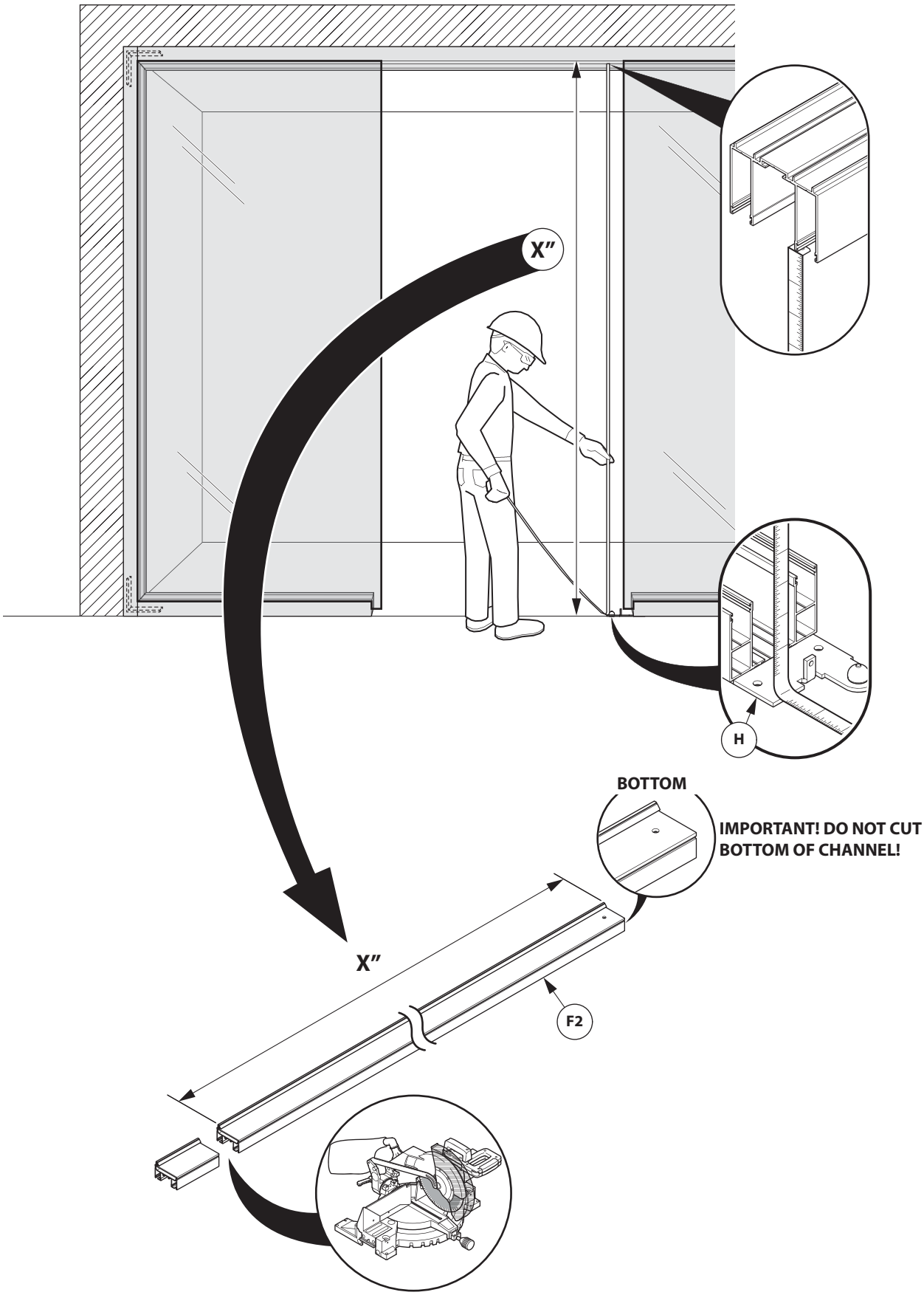




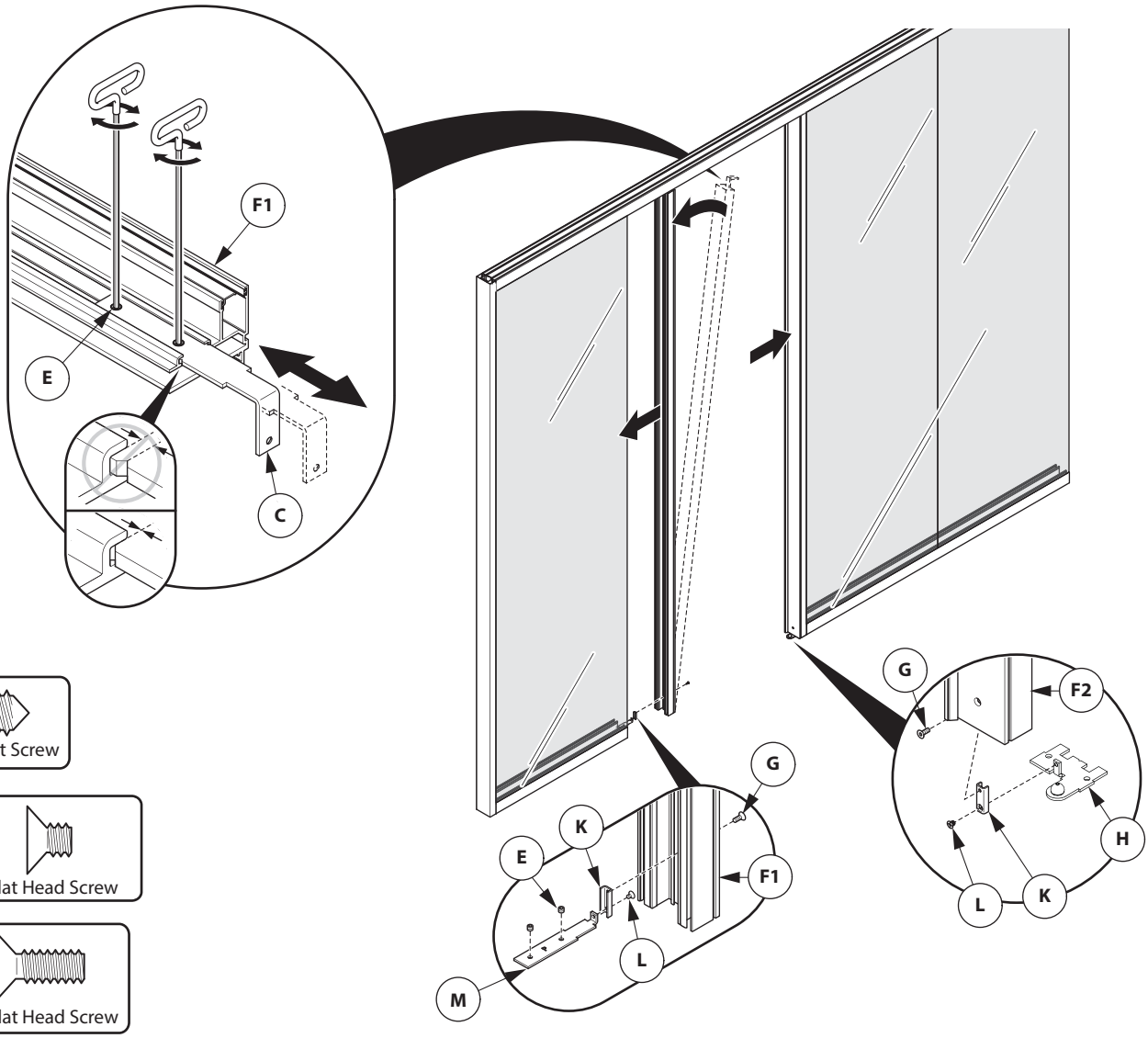
IMPORTANT! DO NOT CUT BOTTOM OF CHANNEL!



3



4

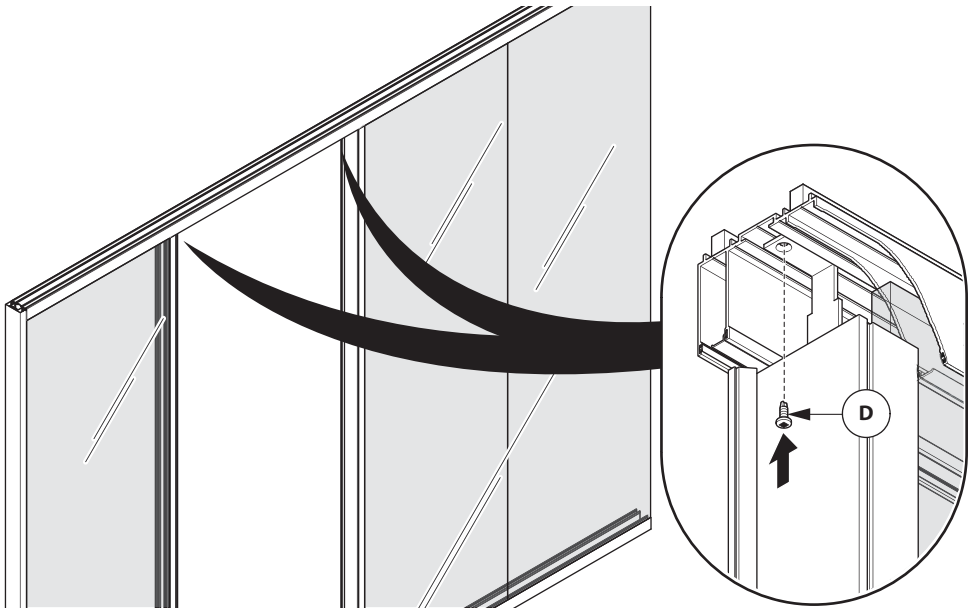


(E)
1/4-20 x 1/4" Set Screw

(L)
#10-32 x 1/4" Flat Head Screw

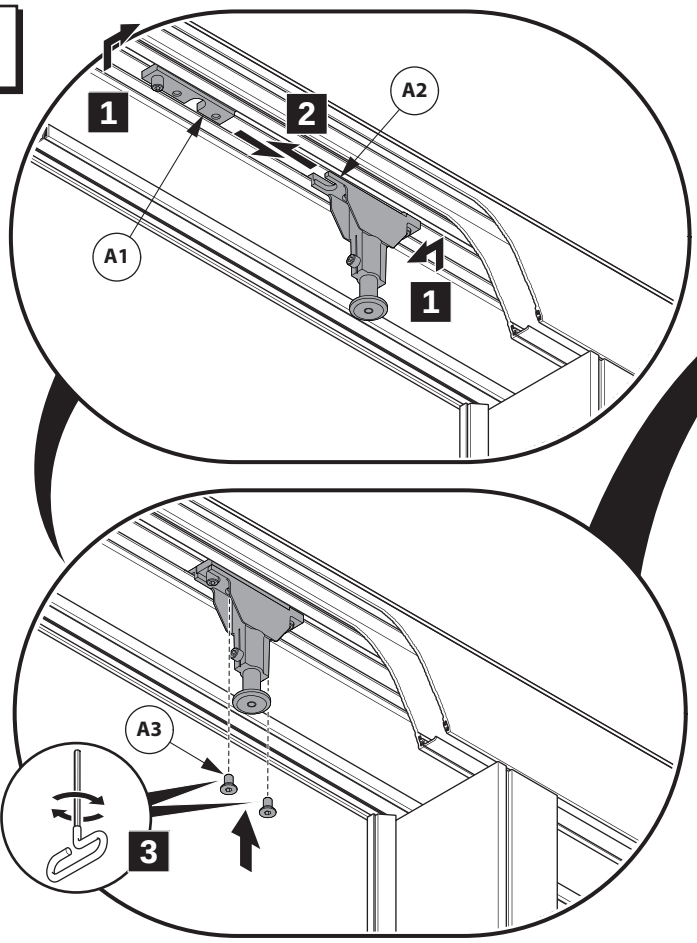
(G)
#10-24 x 1/2" Flat Head Screw

5

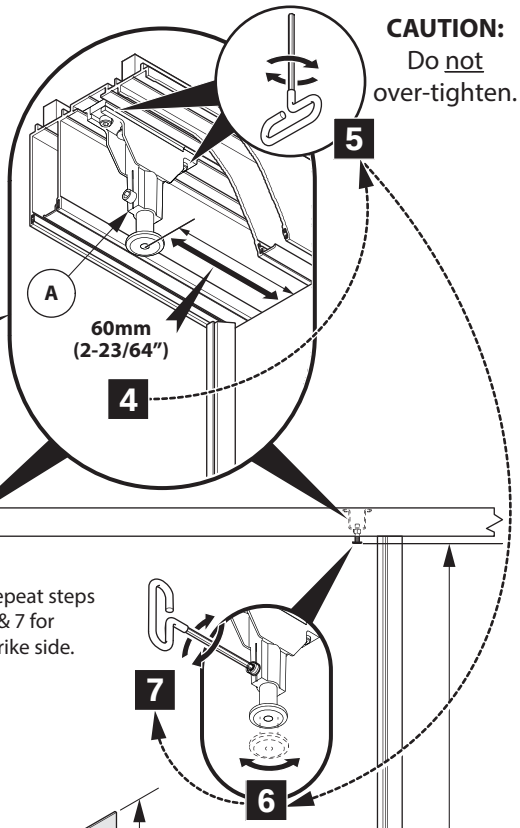


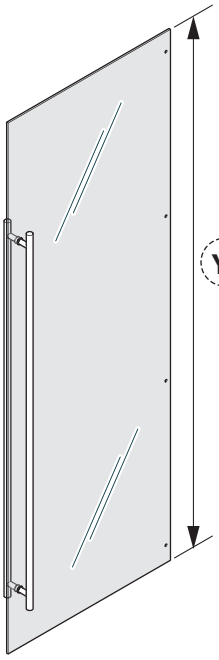
(D)
#8-18 x 1/2" Screw

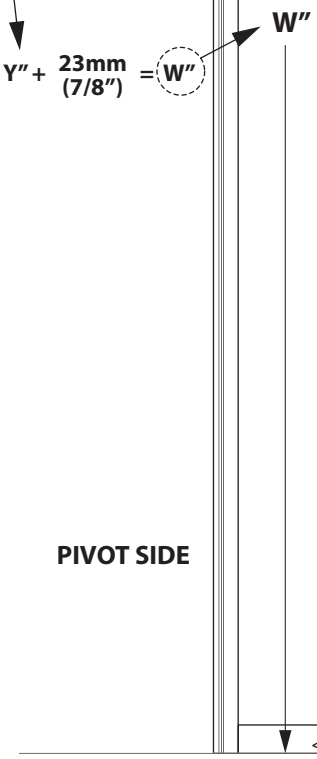
6



CAUTION:
Do not over-tighten.

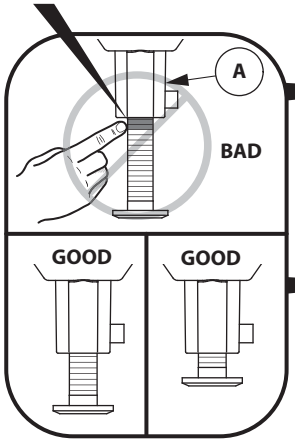




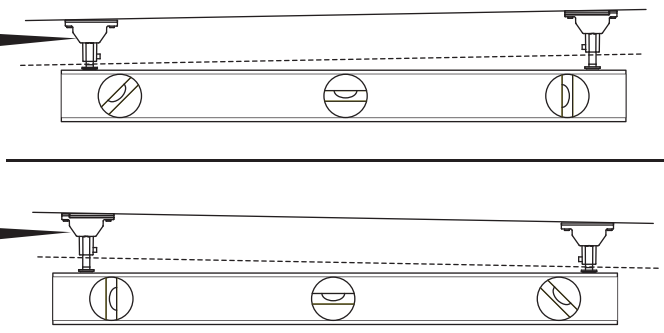


NOTE: if Door is not present on site, use this alternative method.
W = Ceiling height - 79mm (3-1/8")
If actual ceiling height differs from nominal height on layout drawing then adjust accordingly.
Example:
- If ceiling height is 1/4" low, W + 1/4" is the bolt height setting.
- If ceiling height is 1/4" high, W - 1/4" is the bolt height setting.

NOTE: The paint "indicator" at the end of screw must not be visible.

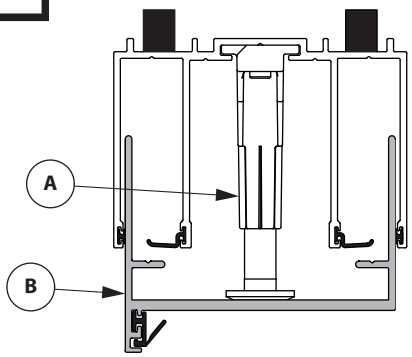


PIVOT SIDE

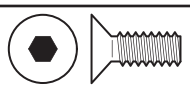


NOTE: Always level from low pivot side **(W)**.

7

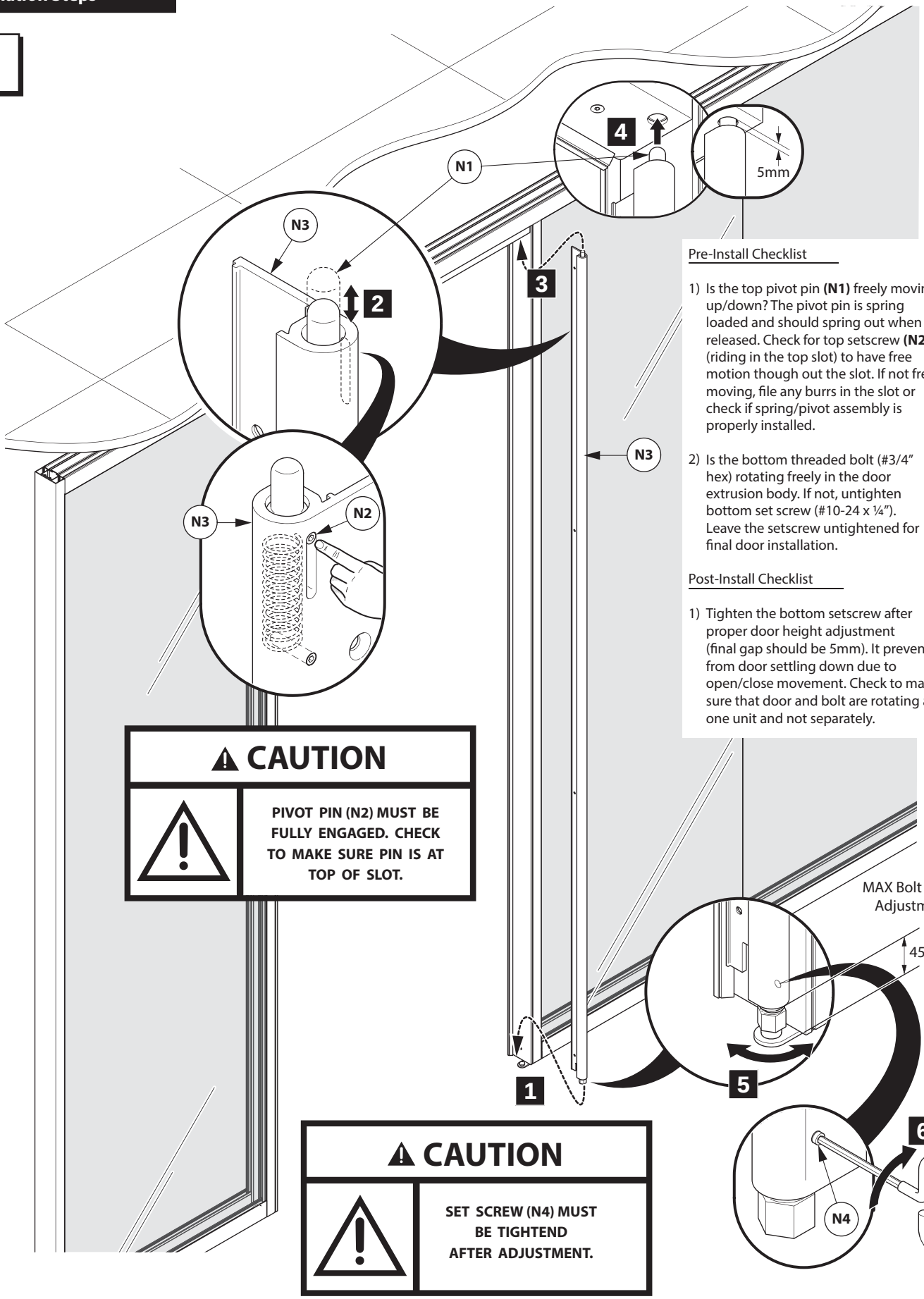


(G)



#10-24 x 1/2" Flat Head Screw

8



Pre-Install Checklist

1) Is the top pivot pin **(N1)** freely moving up/down? The pivot pin is spring loaded and should spring out when released. Check for top setscrew **(N2)** (riding in the top slot) to have free motion though out the slot. If not free moving, file any burrs in the slot or check if spring/pivot assembly is properly installed.

2) Is the bottom threaded bolt (#3/4" hex) rotating freely in the door extrusion body. If not, untighten bottom set screw (#10-24 x ¼"). Leave the setscrew untightened for final door installation.

Post-Install Checklist

1) Tighten the bottom setscrew after proper door height adjustment (final gap should be 5mm). It prevents from door settling down due to open/close movement. Check to make sure that door and bolt are rotating as one unit and not separately.

⚠ CAUTION

PIVOT PIN (N2) MUST BE FULLY ENGAGED. CHECK TO MAKE SURE PIN IS AT TOP OF SLOT.

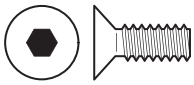
⚠ CAUTION

SET SCREW (N4) MUST BE TIGHTEND AFTER ADJUSTMENT.

9

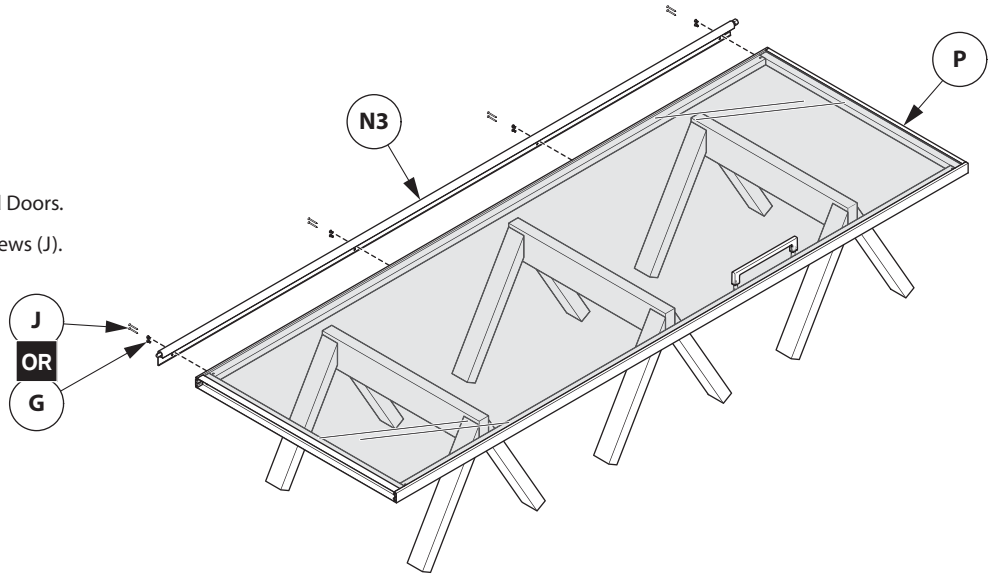
NOTE:
Screw (G) is used for Metal Glazed Doors.
Screw (J) is used for Wood Slab & Wood Glazed Doors.

For Wood Doors, drill pilot holes (7/64") for Screws (J).

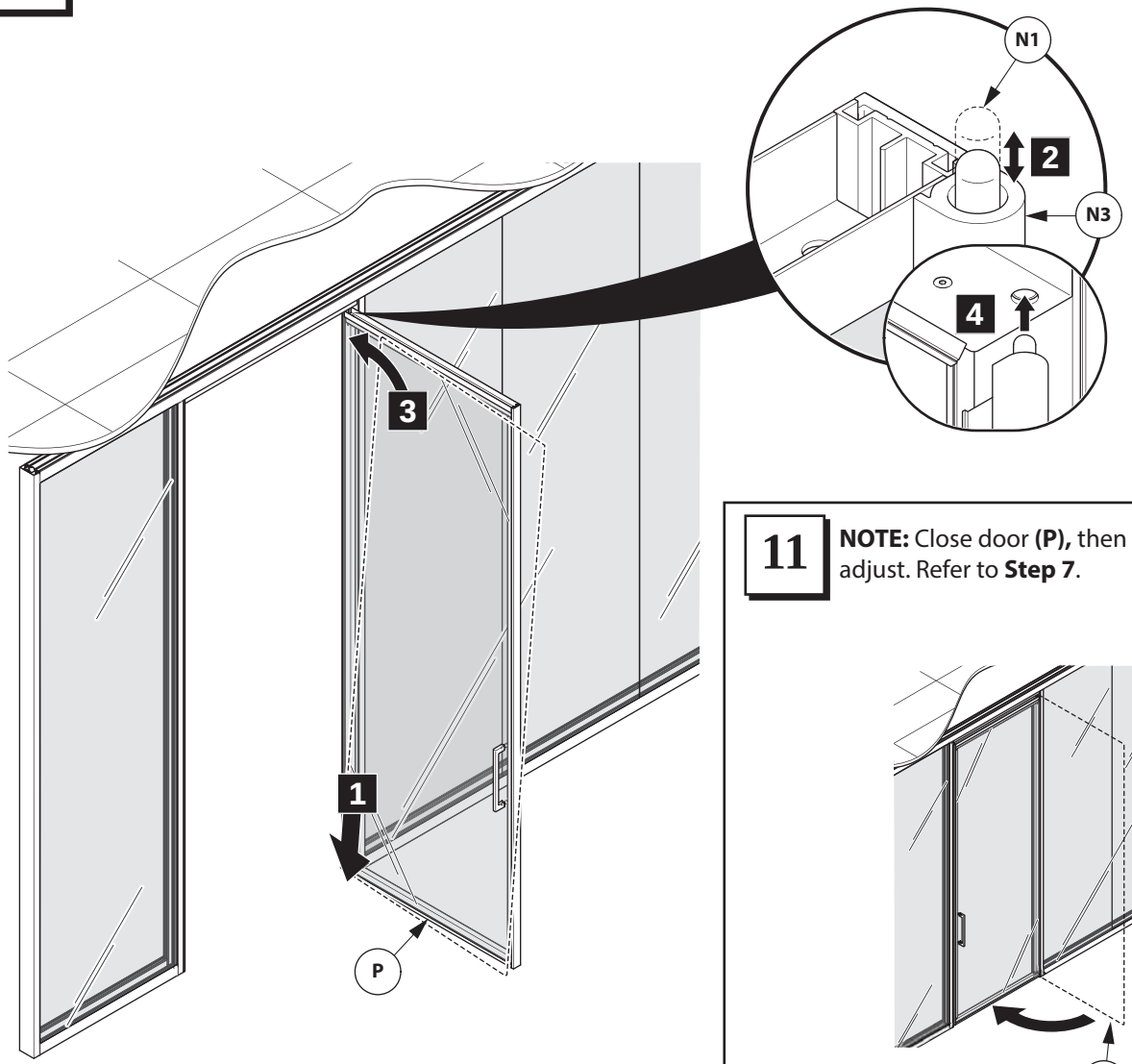
(G)

#10-24 x 1/2" Flat Head Screw

(J)

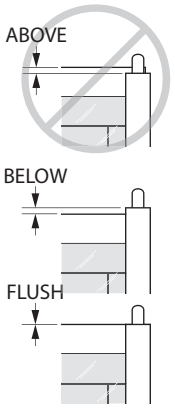
#10-12 x 1-3/4" Flat Head Wood Screw



10



NOTE: Door leaf frame should not extend above pivot extrusion, must be below or flush.

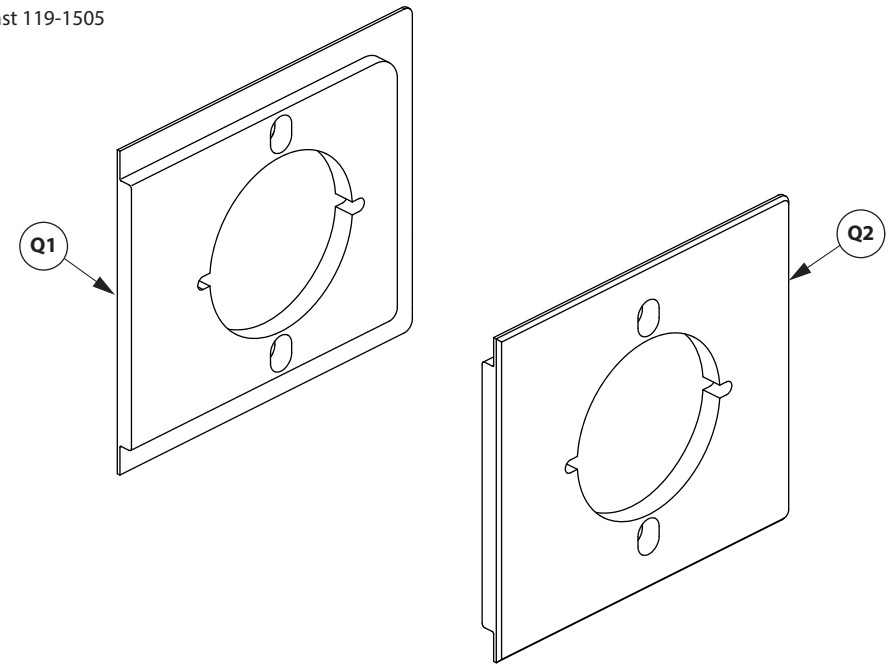


11

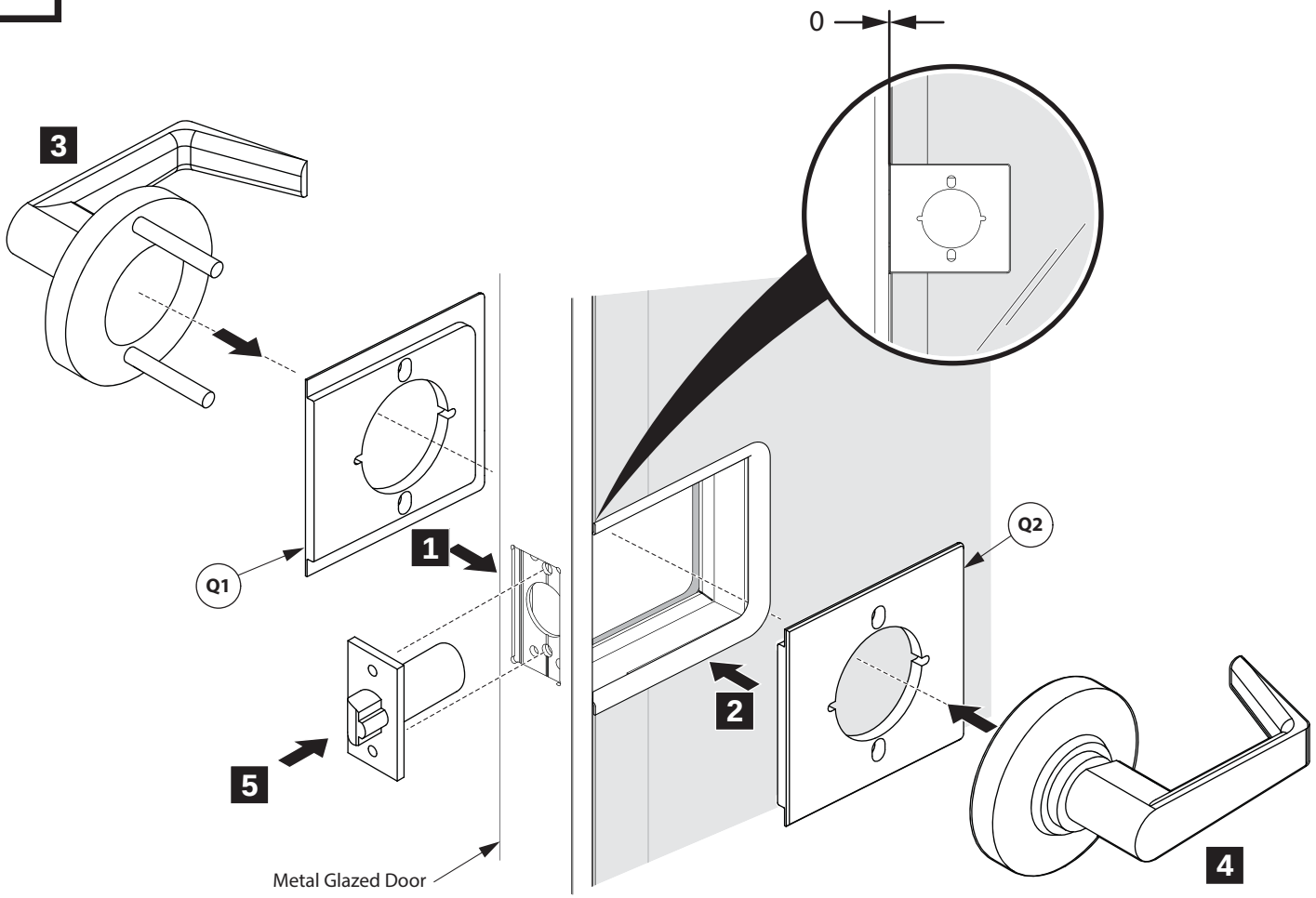
NOTE: Close door **(P),** then adjust. Refer to **Step 7**.

Options - Cylinder Patch Kit

Pvt/Dr, Metal Glazed Dr Lf, Lchst 119-1505



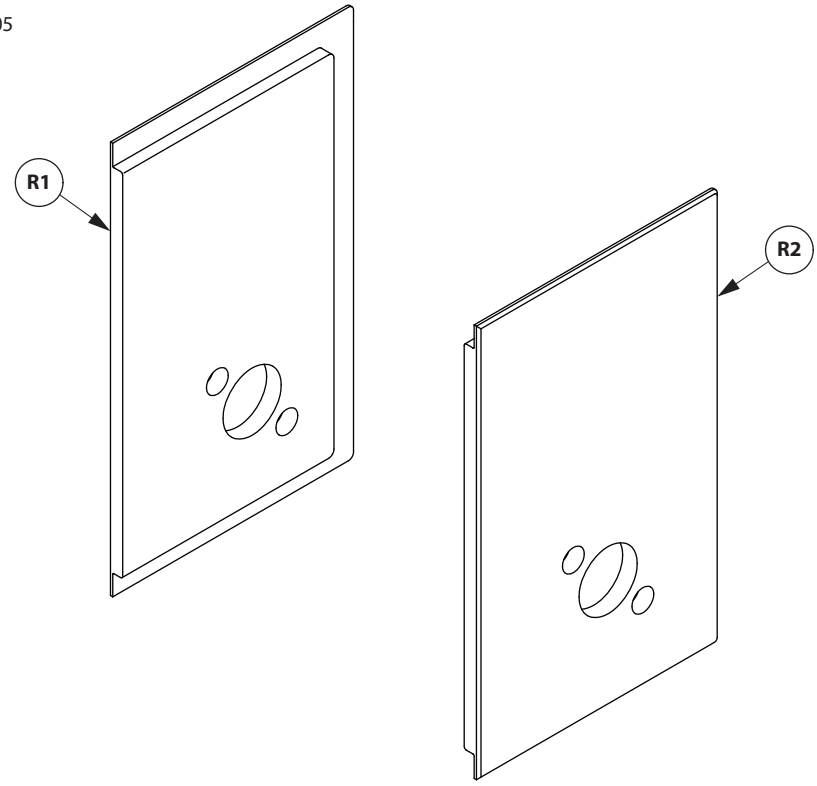
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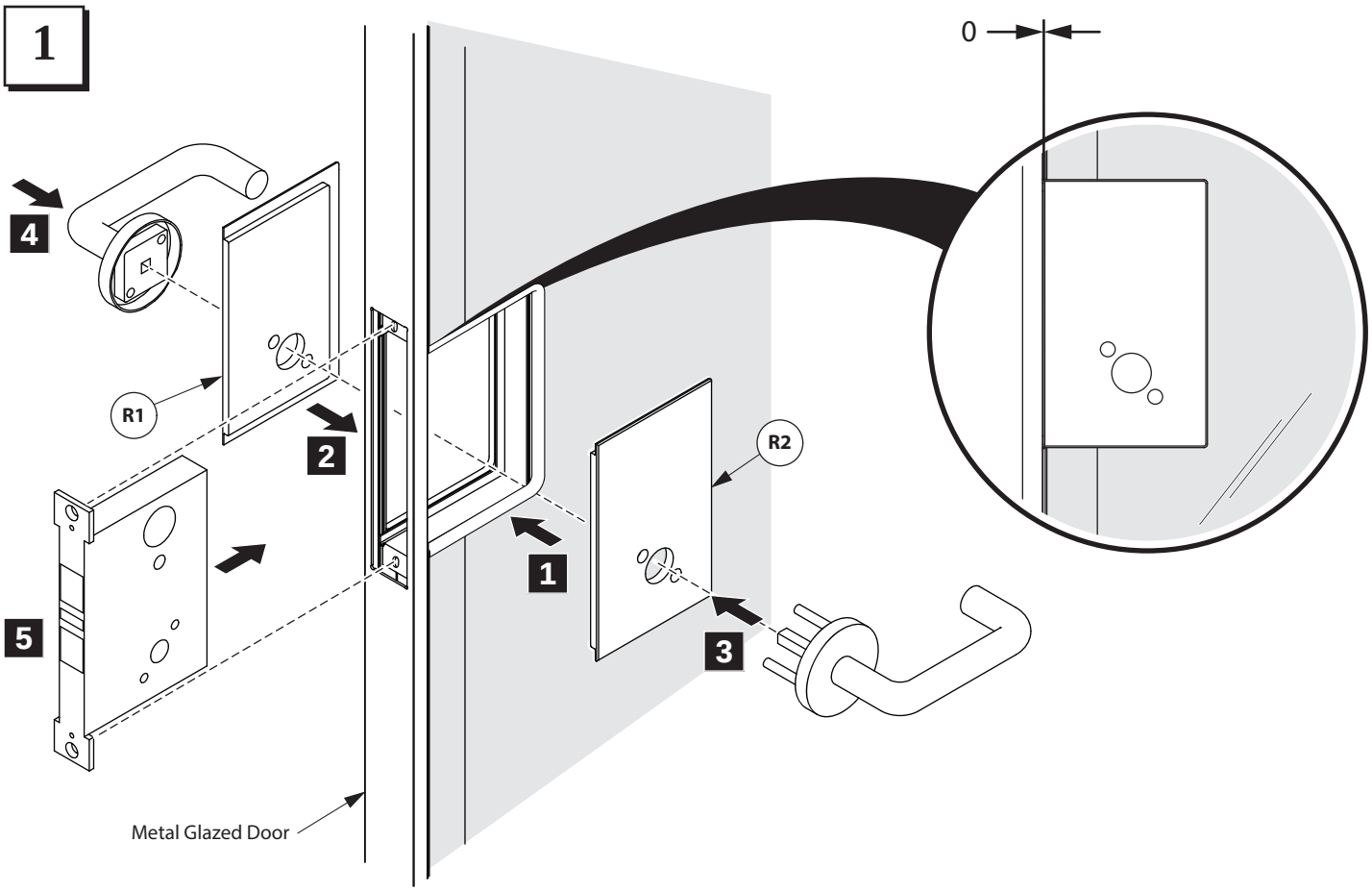


(Cylinder latchset may not be as shown)

Options - Mortise Patch Kit

Pvt/Dr, Metal Glazed Dr Lf, Lchst 119-1505
(Cut-outs may not be as shown)

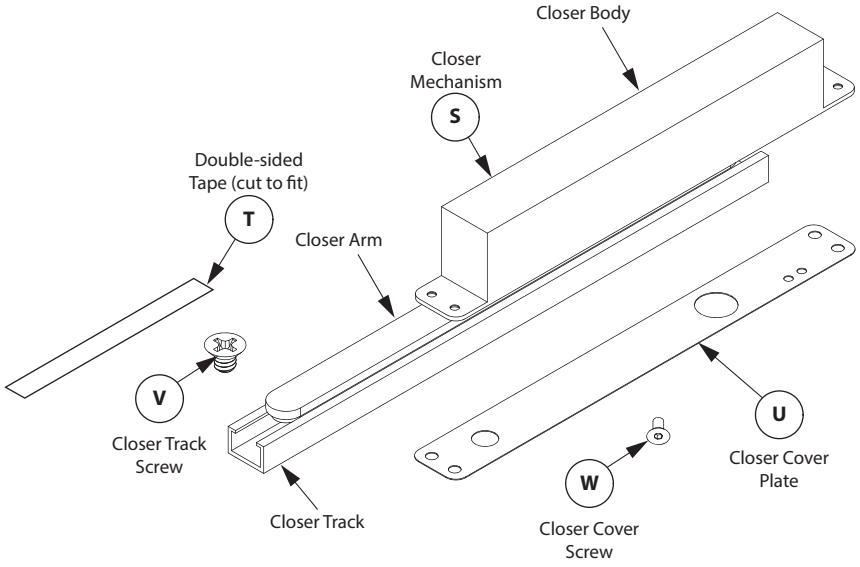




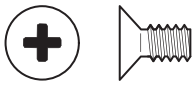
(Mortise latchset may not be as shown)

Closer - Dorma ITS-9625

(Right-Hand reverse application shown on a Metal Glazed Door)

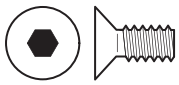


(W)



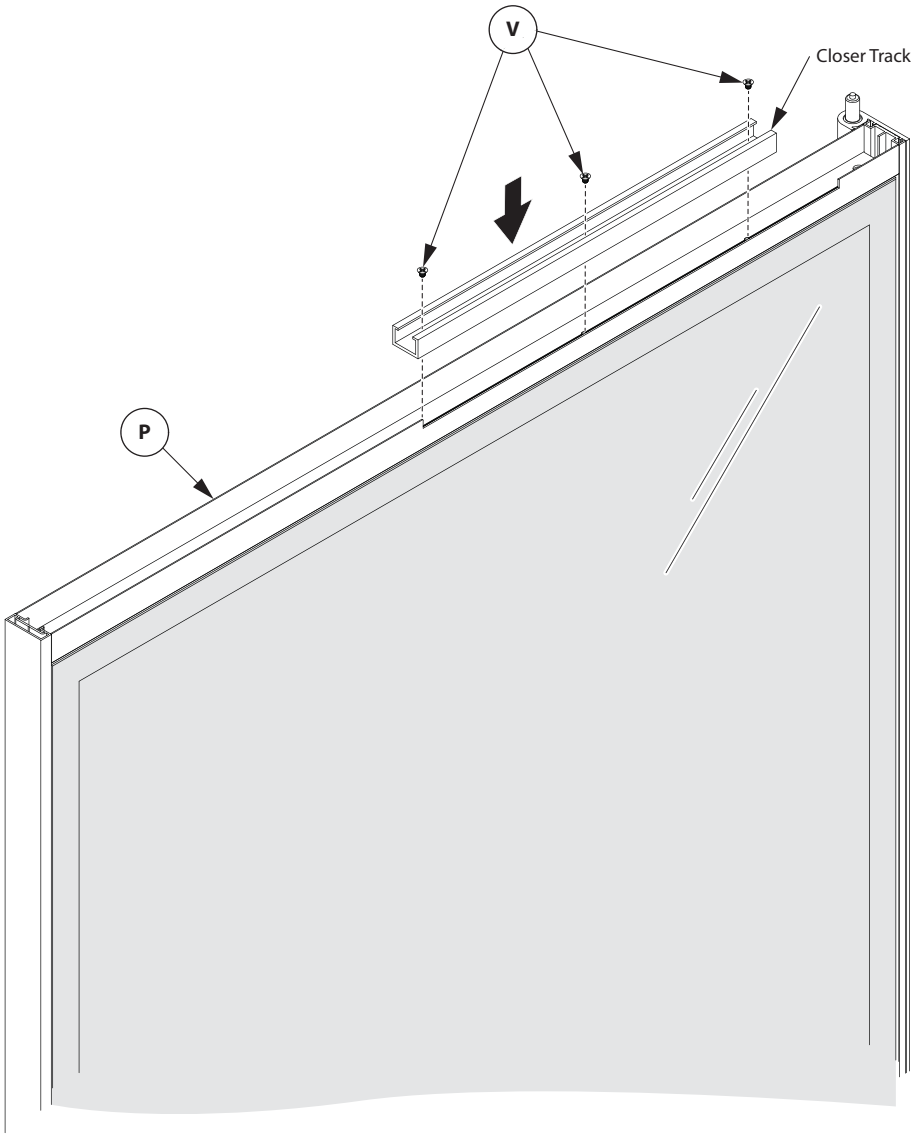
#10-32 x 1/4" Flat Head U/C Screw

(V)

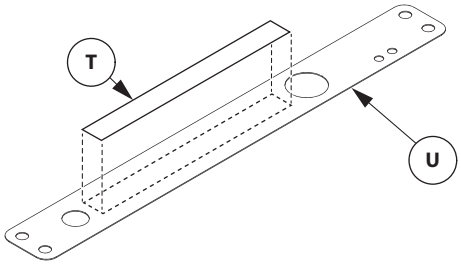


#10-32 x 3/8" Flat Head Screw

1

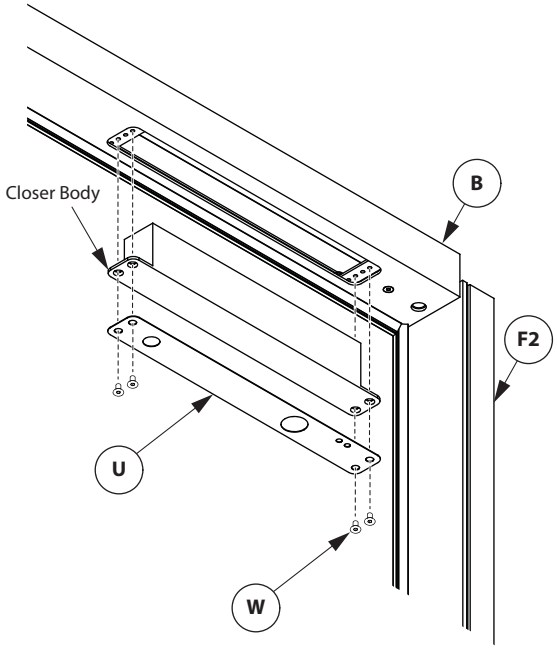


2



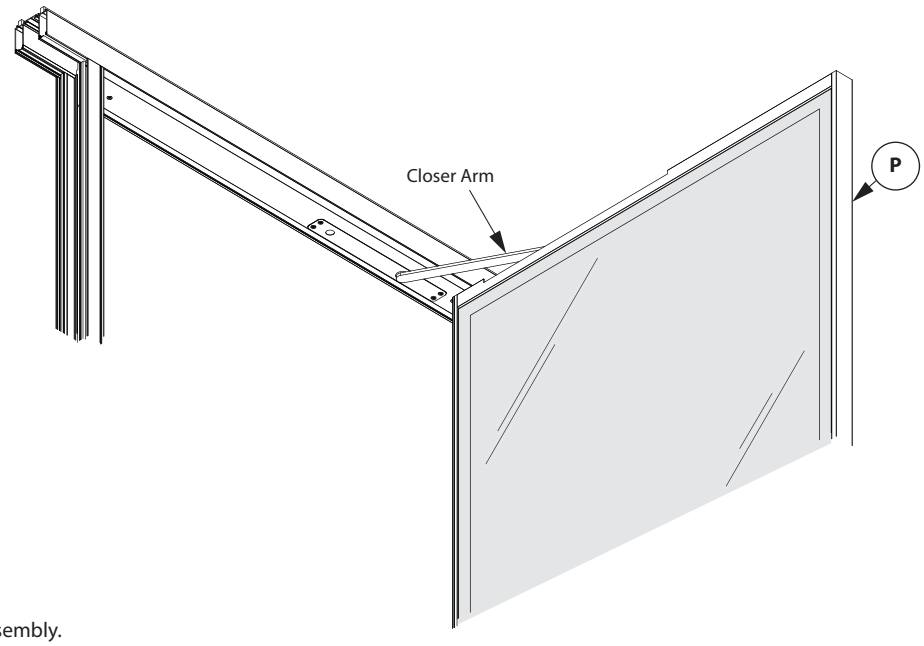
Cut tape to size to fit as shown.

3



Remove Closer Arm to attach Cover Plate (D).

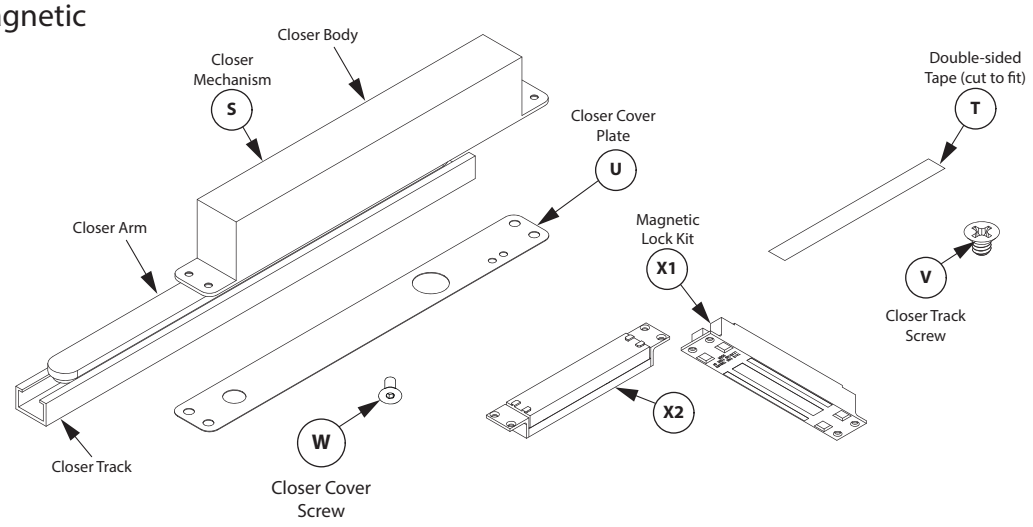
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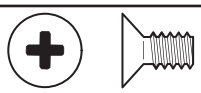
Re-assemble Closer Arm with Door assembly.
Adjust Closer per manufacturer's instructions.

Closer - Dorma ITS-9625 / Magnetic Lock - SDC 1562 ITCM

(Right-Hand reverse application shown on a Metal Glazed Door)

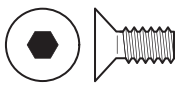


(E)



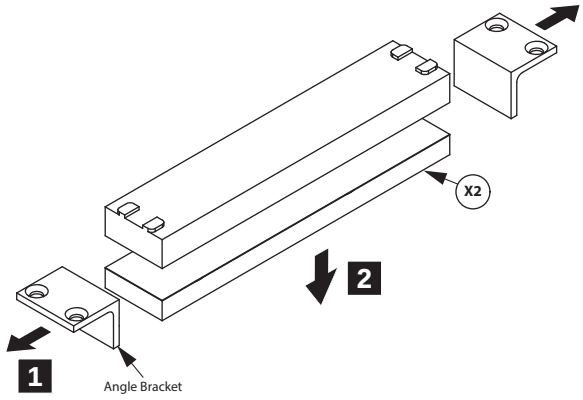
#10-32 x 1/4" Flat Head U/C Screw

(F)



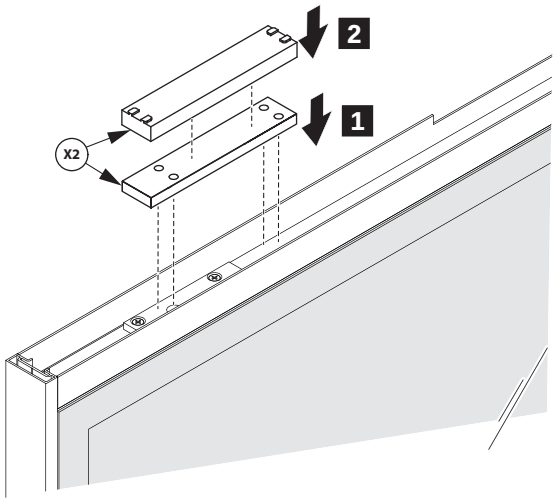
#10-32 x 3/8" Flat Head Screw

1



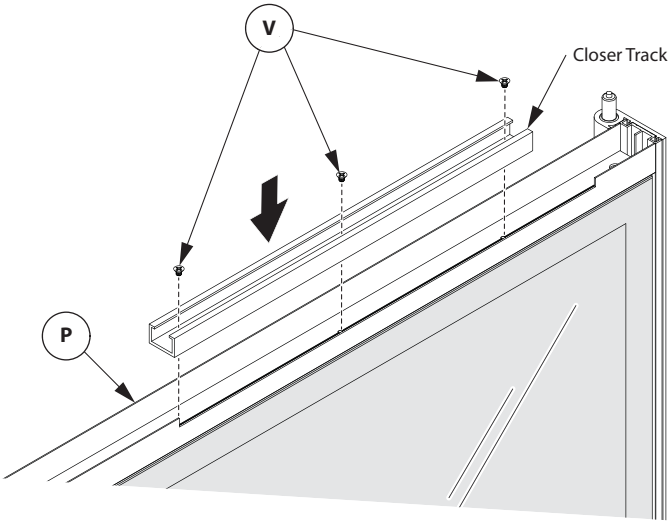
Disassemble the Magnetic Lock as shown.
Discard the mounting angle brackets.

2

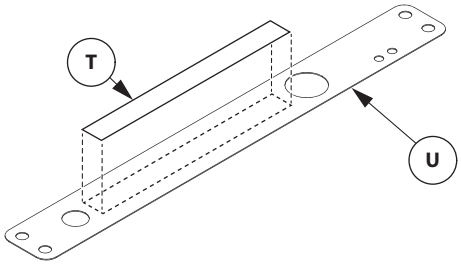


Assemble using Magnetic Lock manufacturer supplied fastners.

3

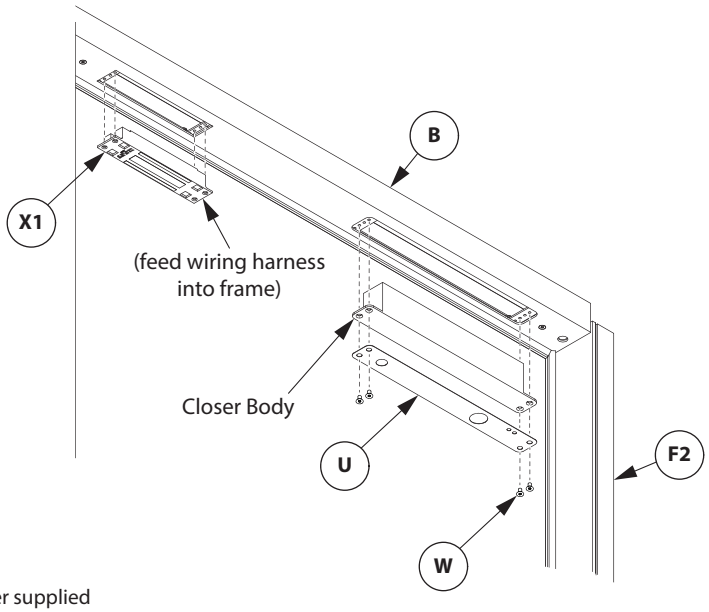


4



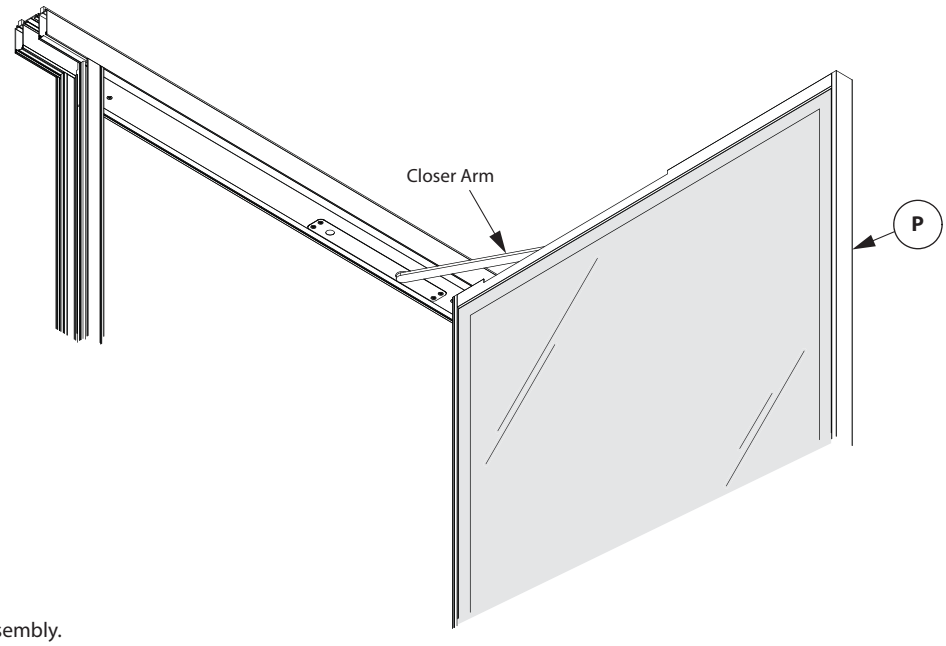
Cut tape to size to fit as shown.

5



Assemble using Magnetic Lock manufacturer supplied fastners. Remove Closer Arm to attach Cover Plate (D).

6

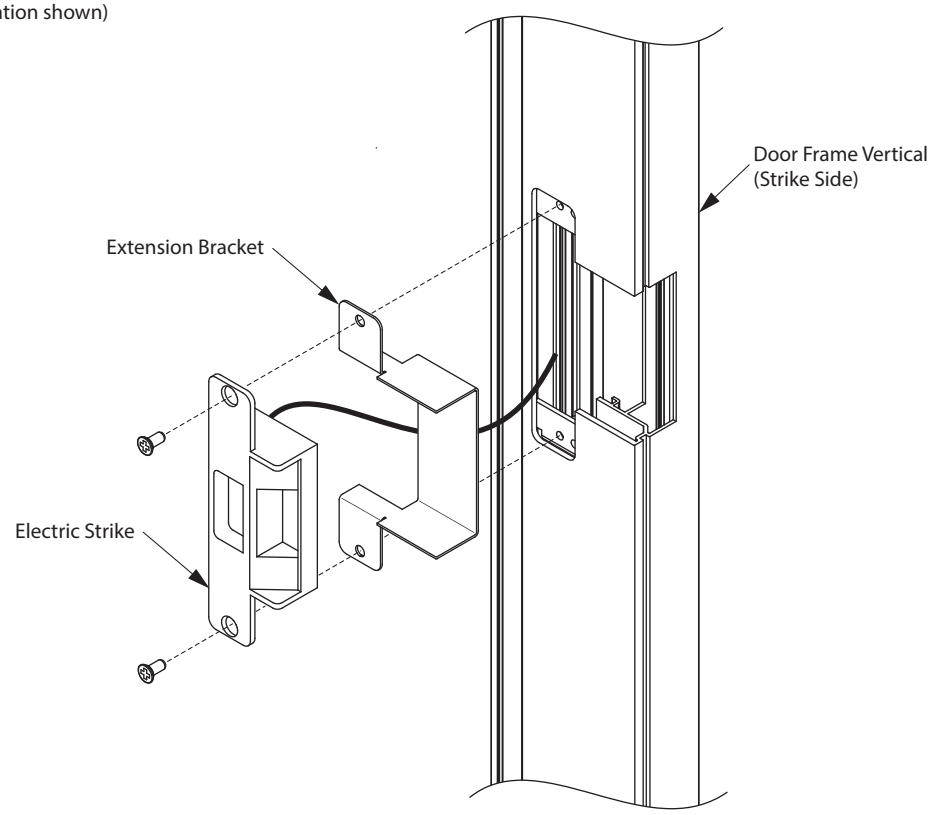


Re-assemble Closer Arm with Door assembly.
Adjust Closer per manufacturer's instructions.

Options - Electric Strike

Electric Strike Rutherford L6505
(Left-Hand Reverse application shown)

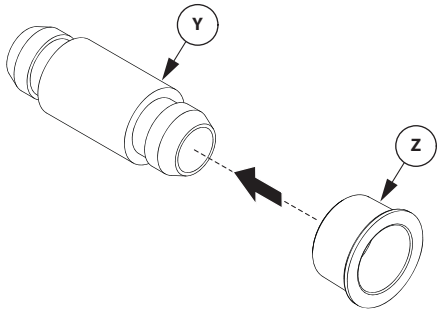
1



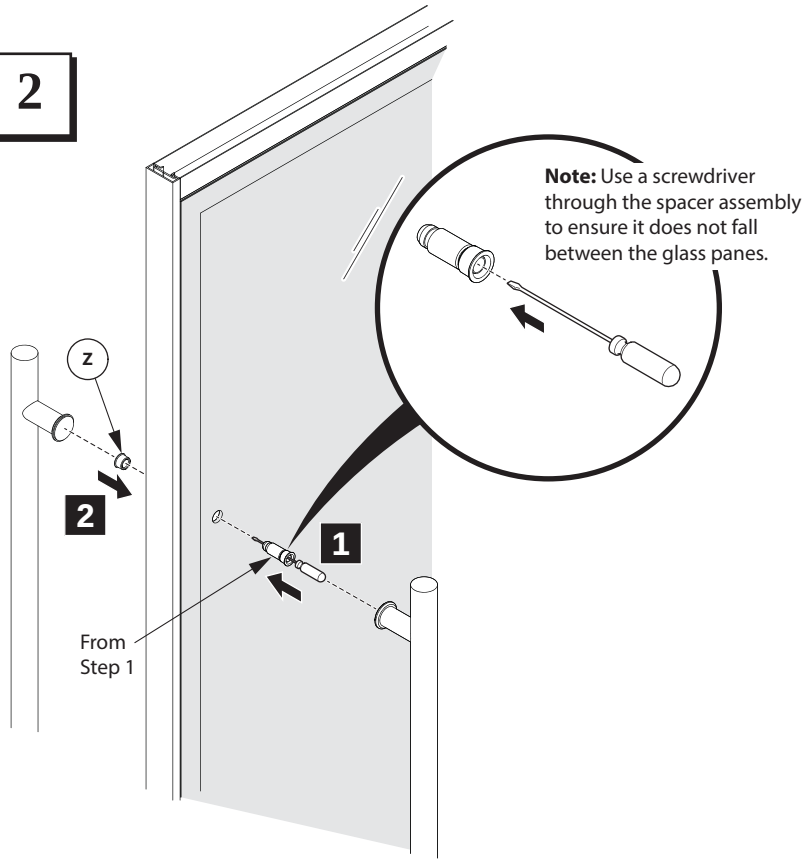
Options - D-Pull Spacers

1

Metal Glazed Doors only



2

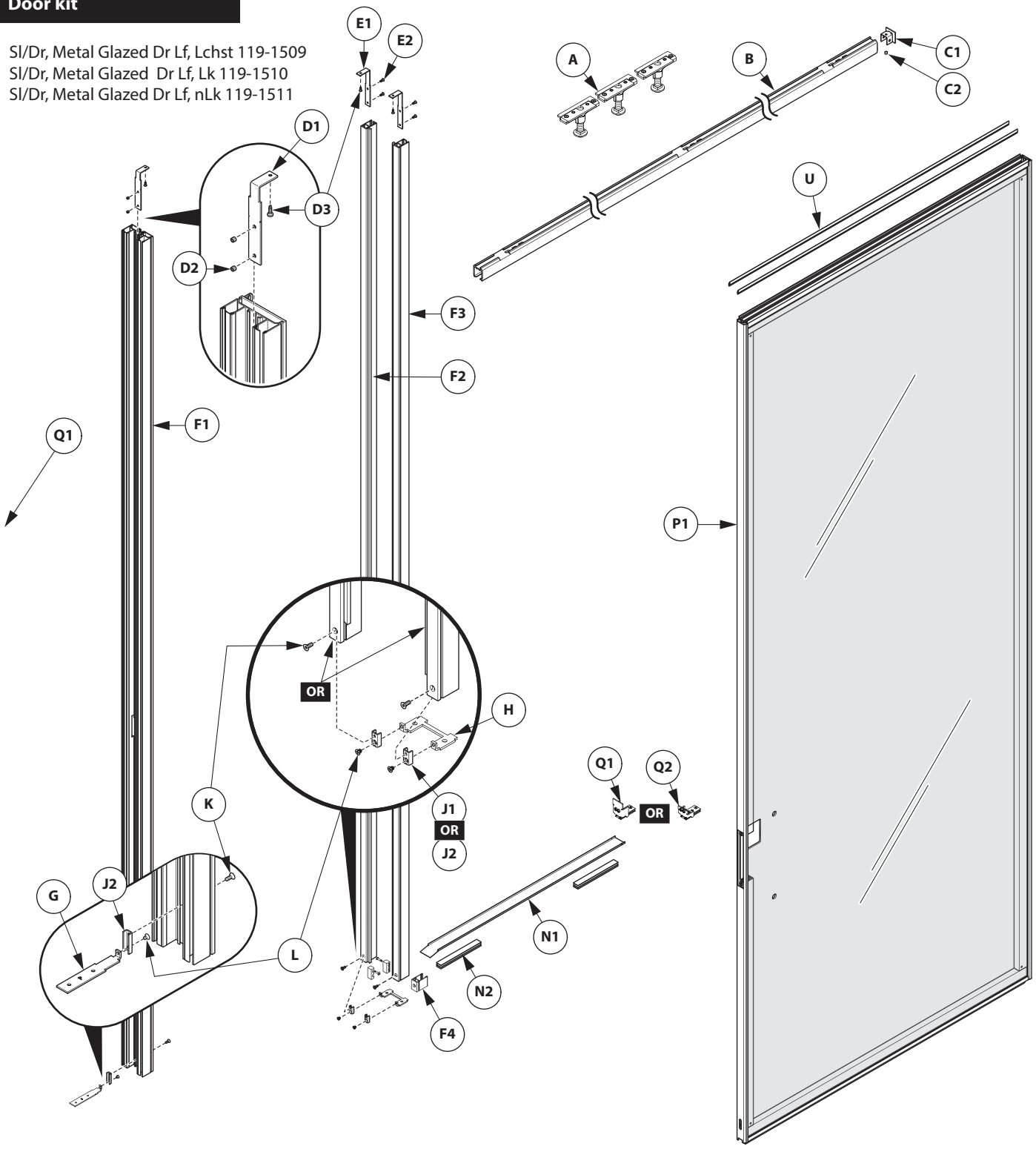


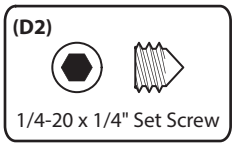
D-Pulls type may not be as shown. Assemble D-Pulls per manufacturer's instructions.

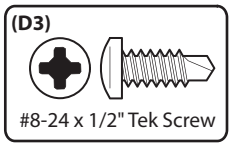
Section 16 - Door - Metal Glazed Sliding

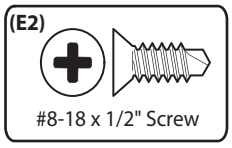
Door kit

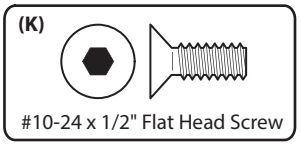
Sl/Dr, Metal Glazed Dr Lf, Lchst 119-1509
Sl/Dr, Metal Glazed Dr Lf, Lk 119-1510
Sl/Dr, Metal Glazed Dr Lf, nLk 119-1511

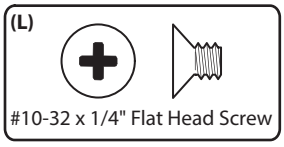






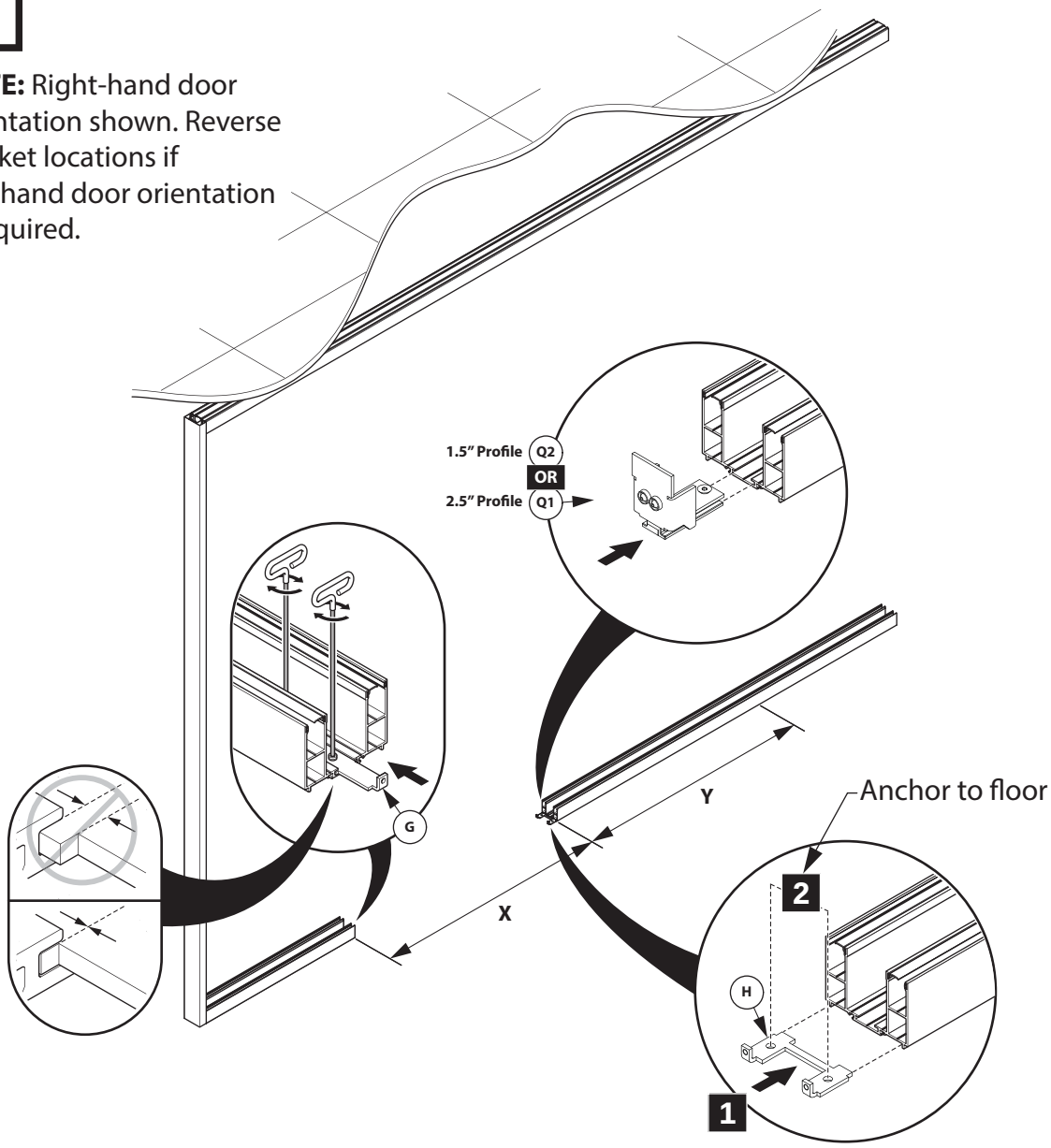






1

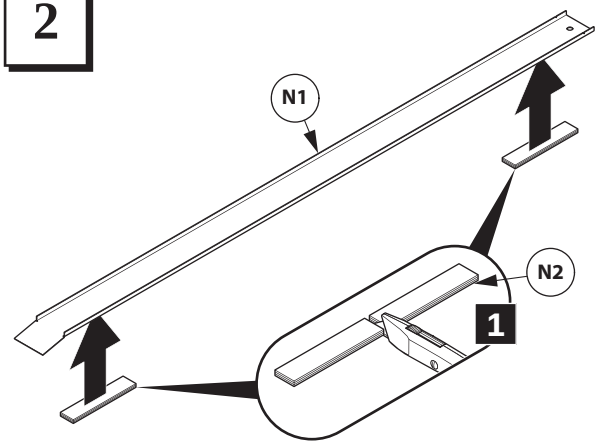
NOTE: Right-hand door orientation shown. Reverse bracket locations if Left-hand door orientation is required.

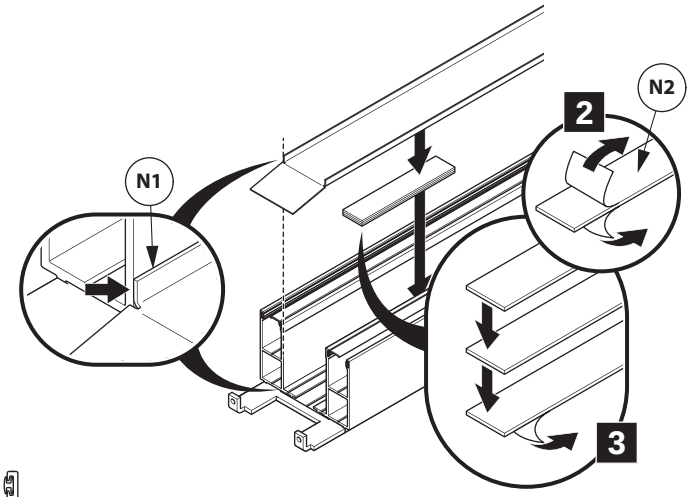


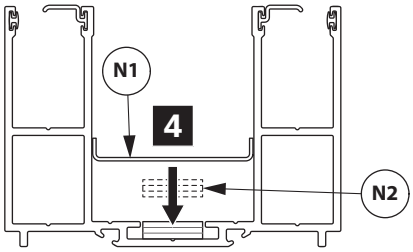
WARNING: Appropriate fasteners and floor anchors must be used to attach Pivot Plate (E) to the floor. Due to various floor constructions, fasteners and floor anchors are not provided by Haworth. Consult with the customer appointed engineer for fastener recommendations.

Sliding Door Width	(Door Opening) **X**	(Q Position) **Y**
42" (1067mm)	1108mm (43-3/8")	~ 830mm (32-5/8")
48" (1219mm)	1261mm (49-41/61")	~ 980mm (38-1/2")

2

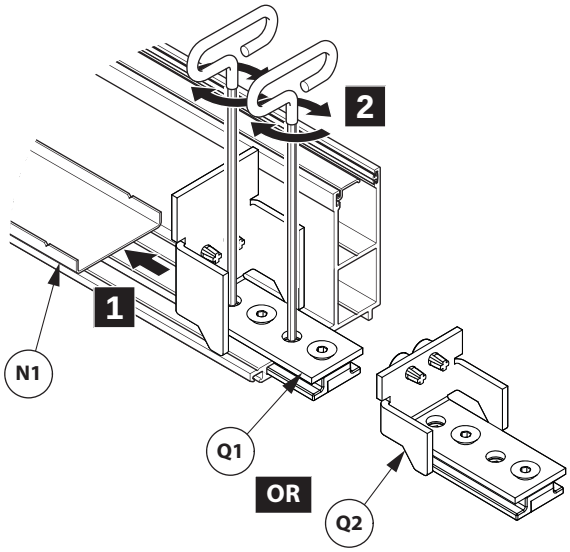






NOTE: For instructional purposes, a 2.5" profile is shown. The same steps apply to a 1.5" profile.

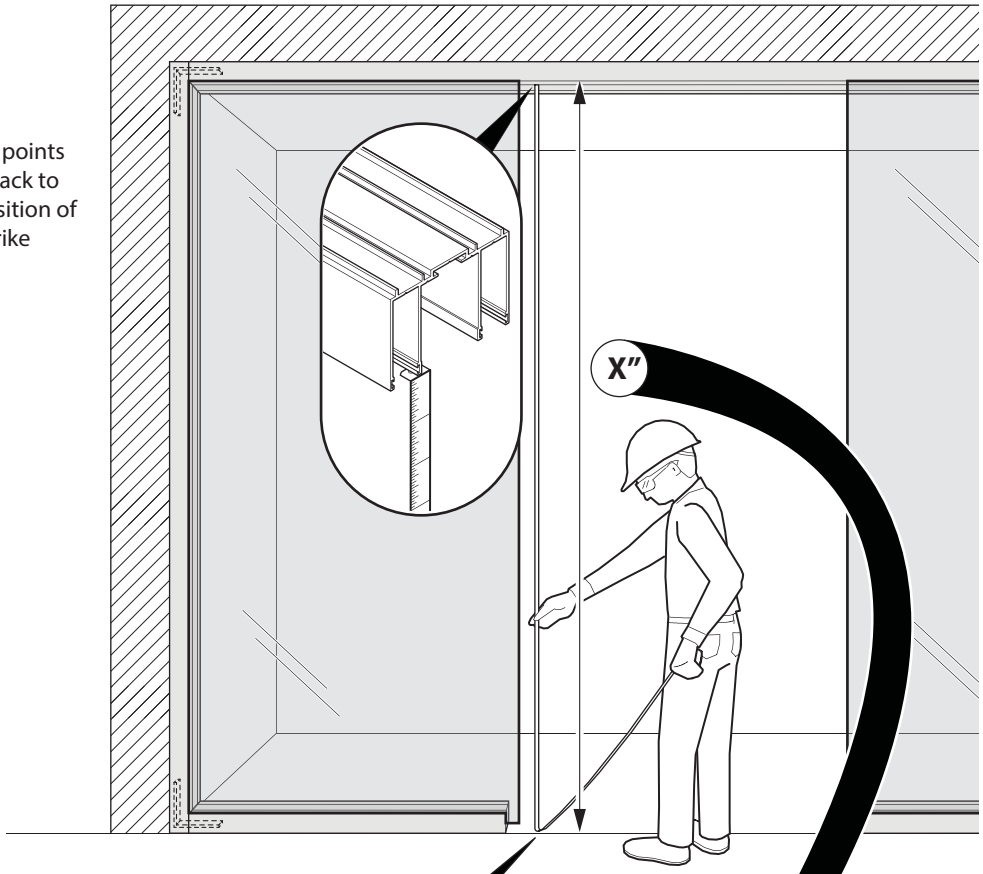
3

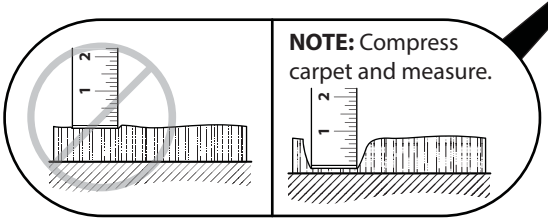


Bottom rail shown with inner channel removed for clarity.

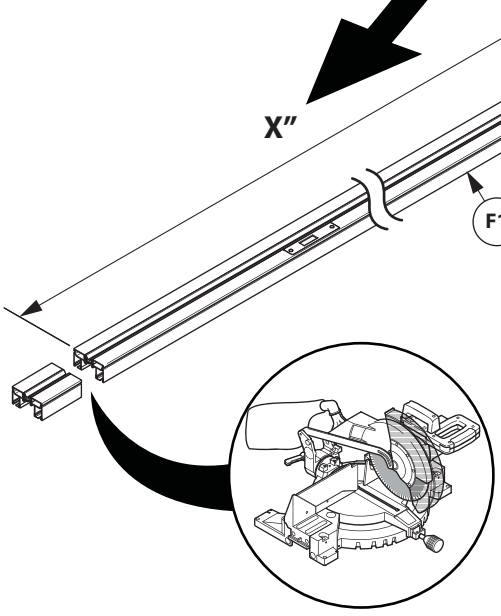
4

NOTE: Locate points onto ceiling track to determine position of door frame strike vertical.

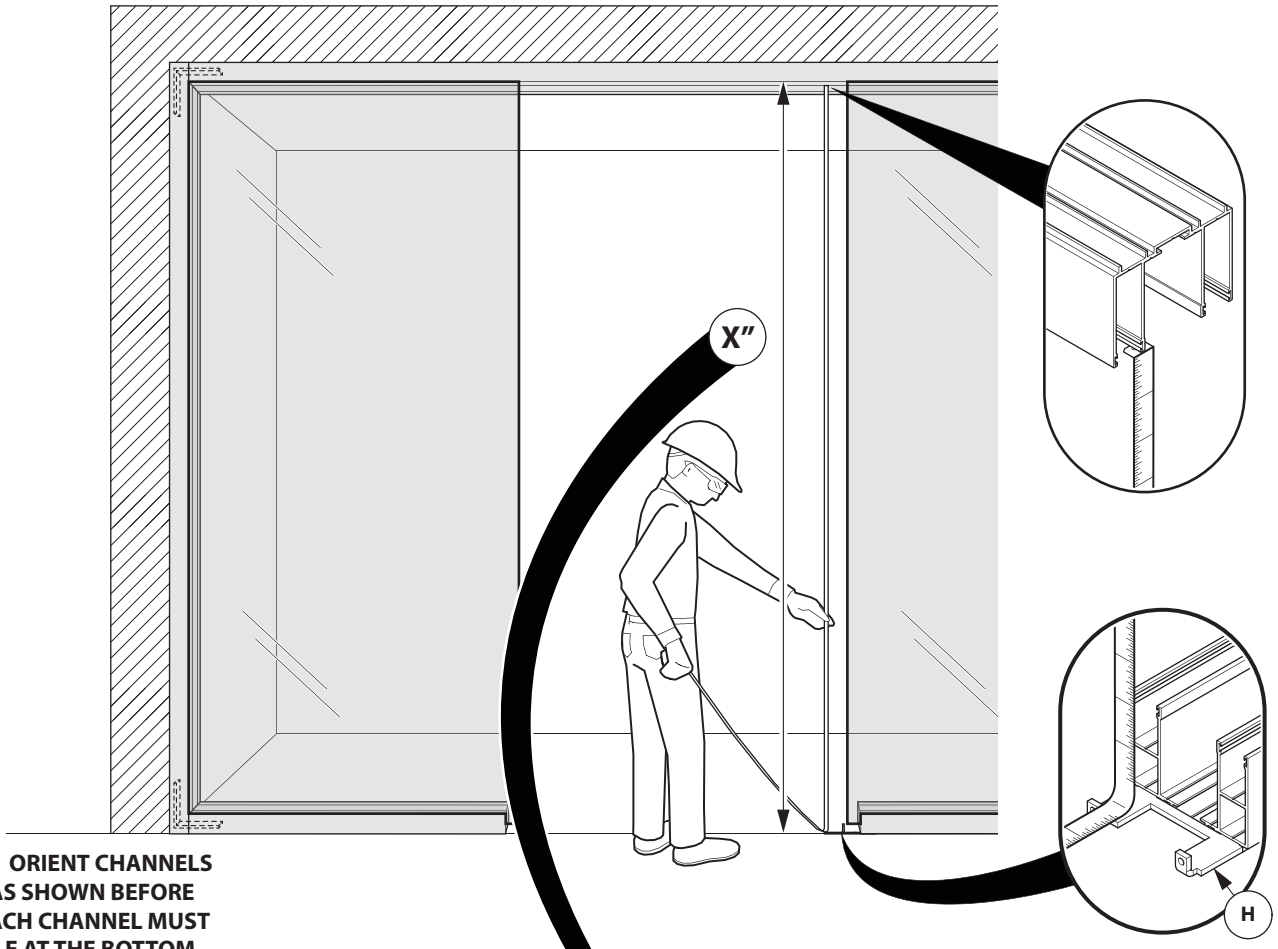




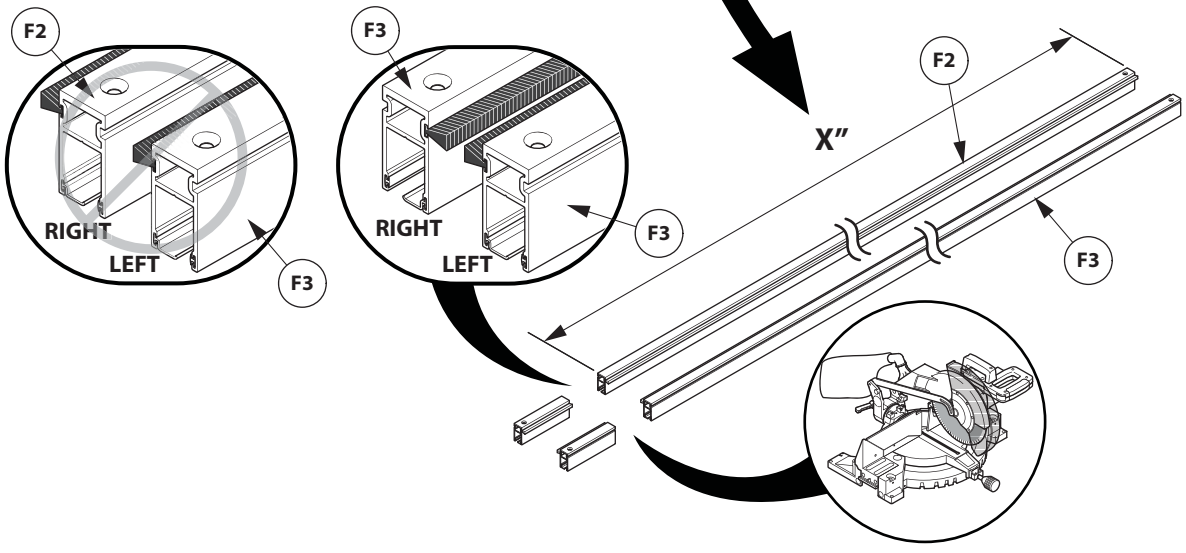




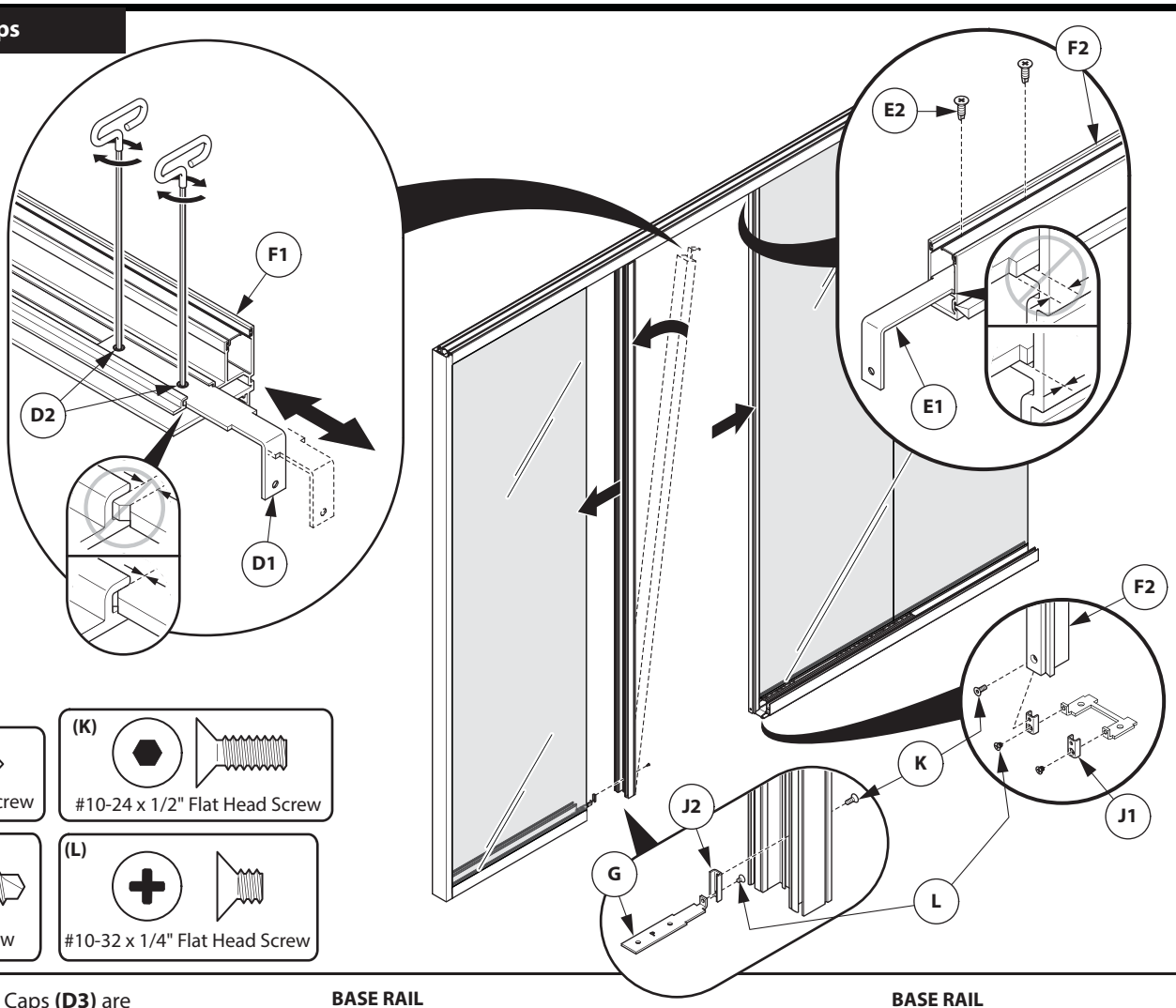
5



IMPORTANT! ORIENT CHANNELS (D1 & D2) AS SHOWN BEFORE CUTTING. EACH CHANNEL MUST HAVE A HOLE AT THE BOTTOM.



6



(D2) 1/4-20 x 1/4" Set Screw

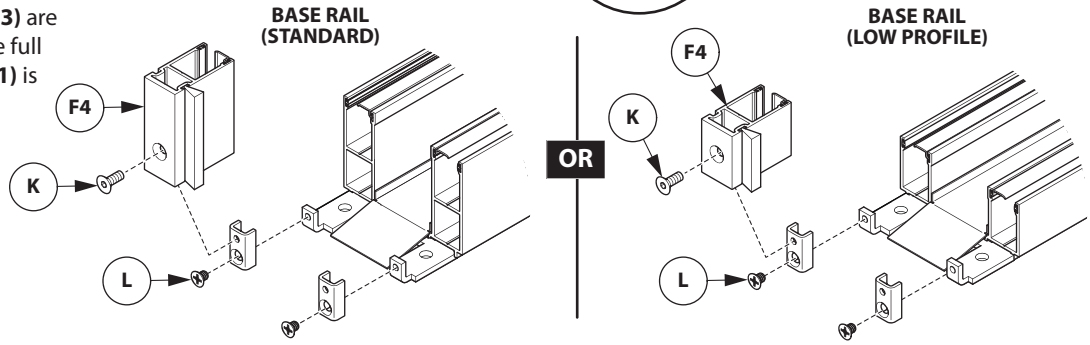
(K) #10-24 x 1/2" Flat Head Screw

(E2) #8-18 x 1/2" Screw

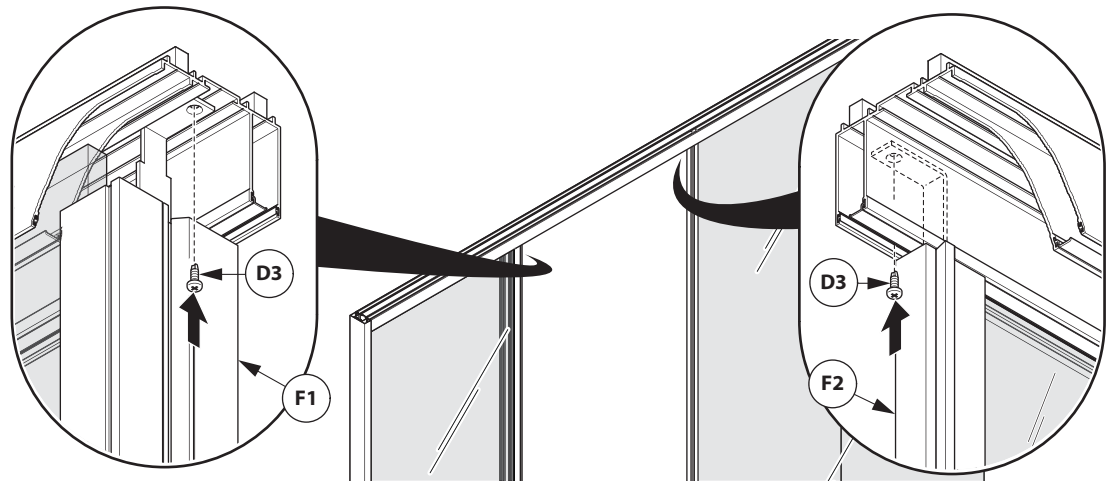
(L) #10-32 x 1/4" Flat Head Screw

7

NOTE: Caps **(D3)** are used when one full height post **(D1)** is ordered.

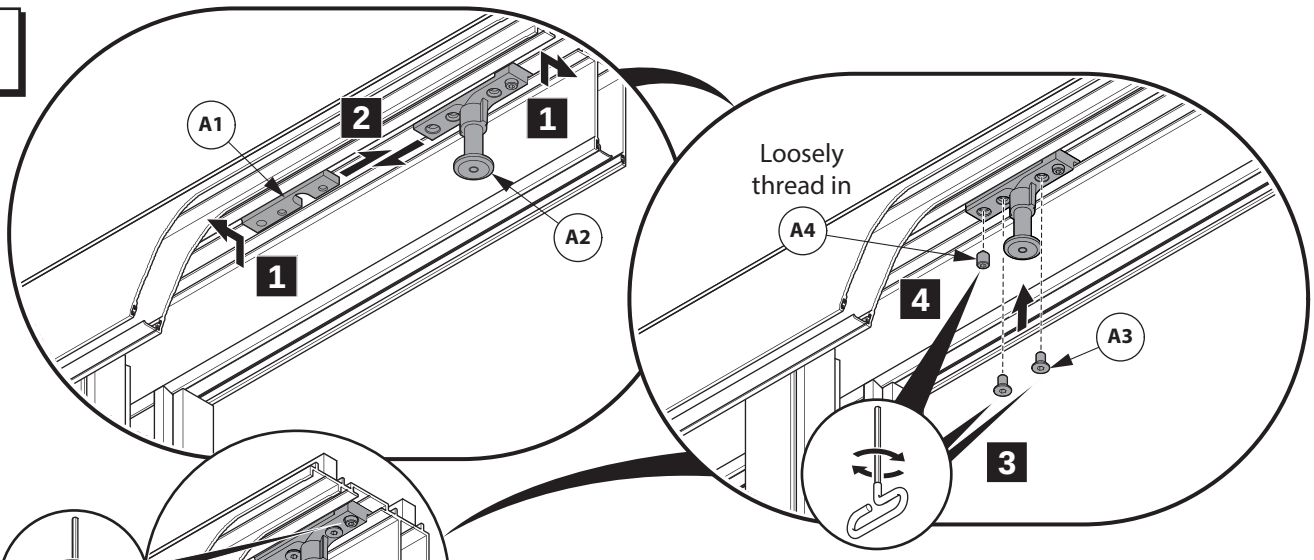


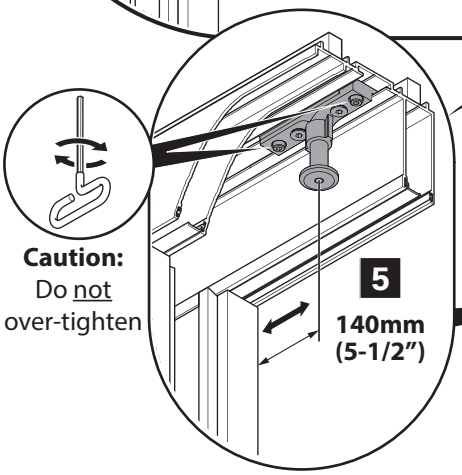
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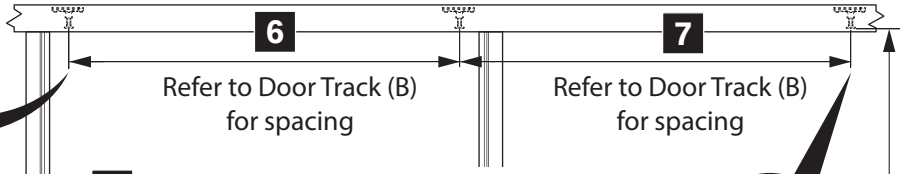
(D3) #8-24 x 1/2" Tek Screw

9

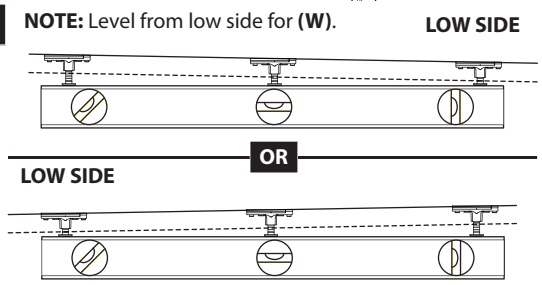




Caution:
Do not
over-tighten



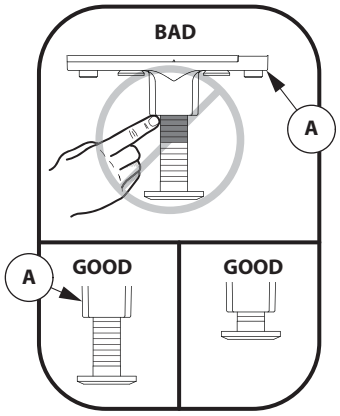
9 **NOTE:** Level from low side for **(W)**.

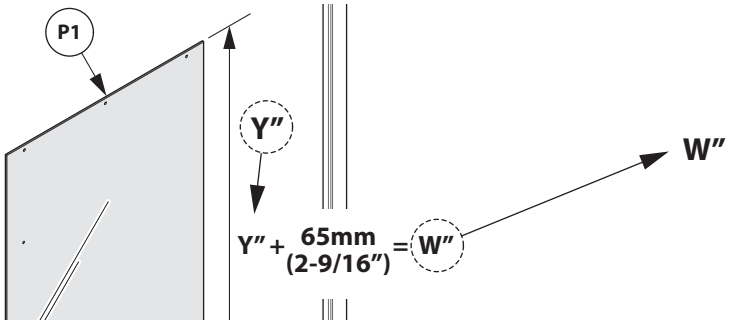




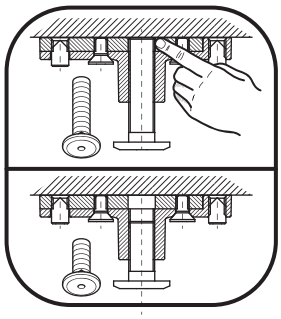
8 See Paint Indicator note

NOTE: The paint "indicator" at the end of screw must not be visible.





NOTE: If the longer bolt bottoms out, use the shorter bolt.



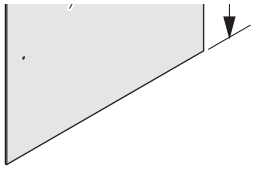
NOTE: if Door is not present on site, use this alternative method.

W = Ceiling height - 48mm (1-7/8")

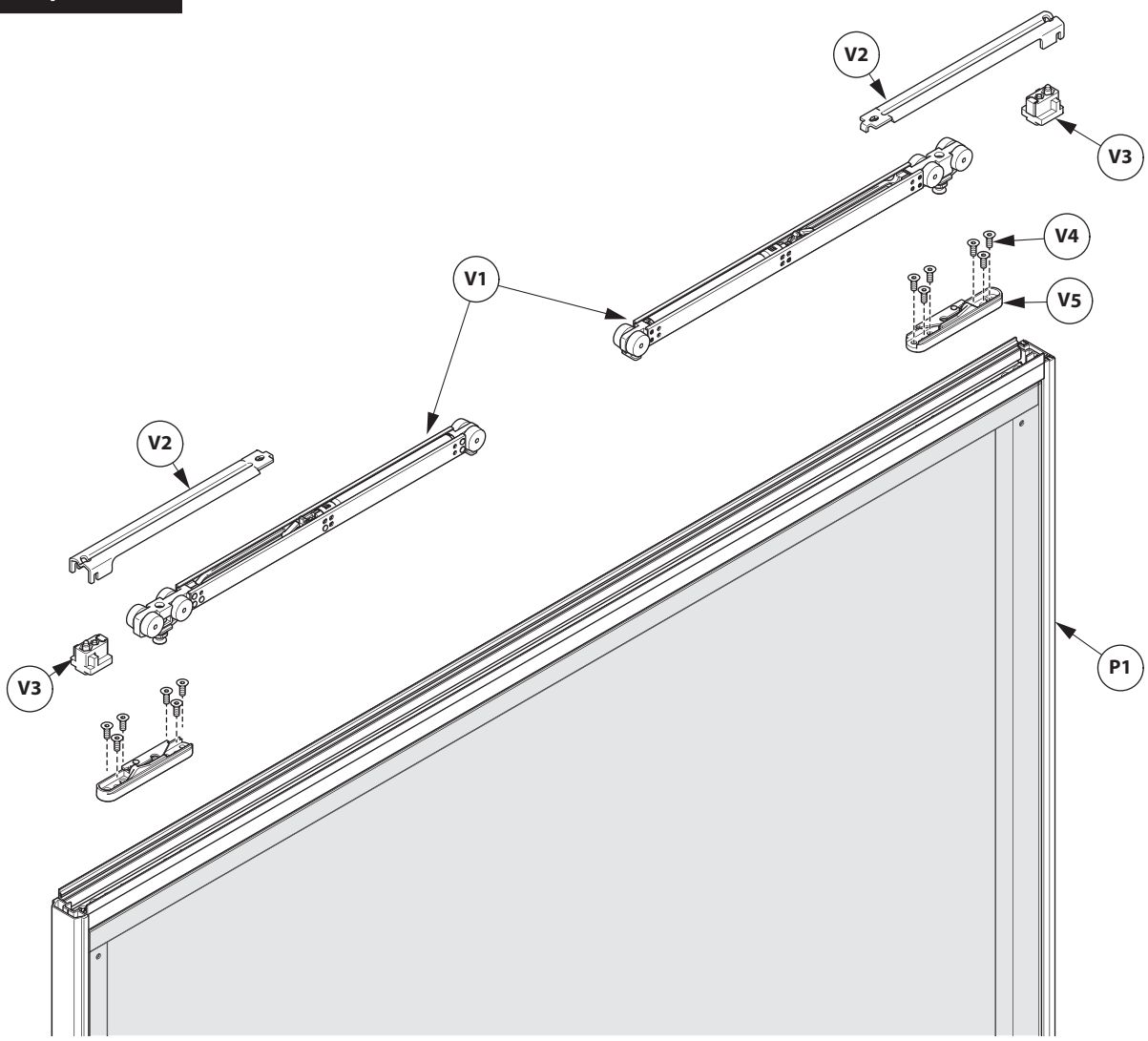
If actual ceiling height differs from nominal height on layout drawing then adjust accordingly.

Example:

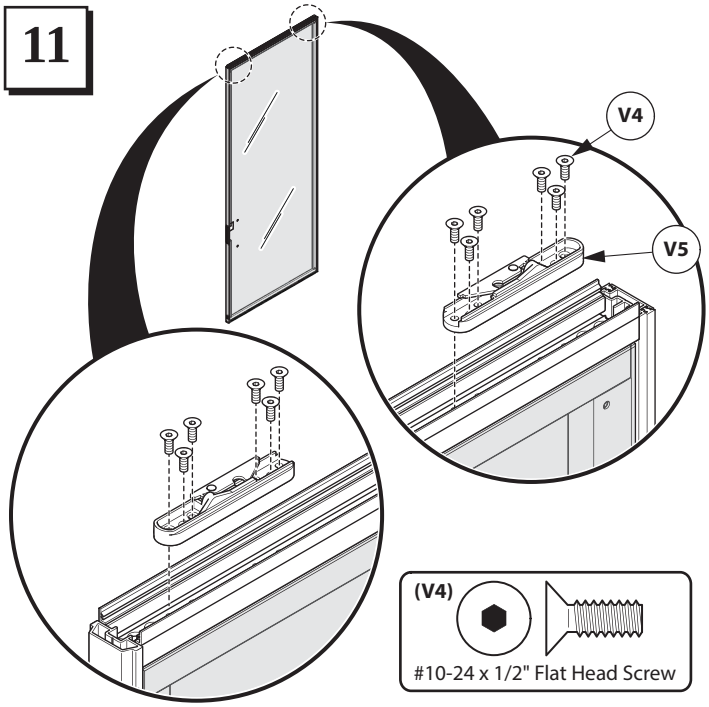
- If ceiling height is 1/4" low, W + 1/4" is the bolt height setting.
- If ceiling height is 1/4" high, W - 1/4" is the bolt height setting.



10



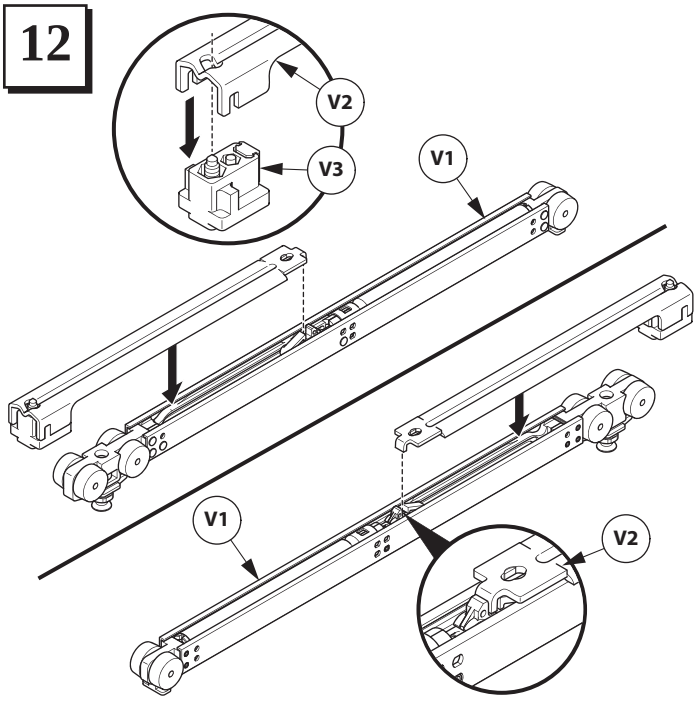
11



(V4)

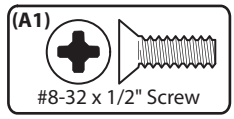
#10-24 x 1/2" Flat Head Screw

12

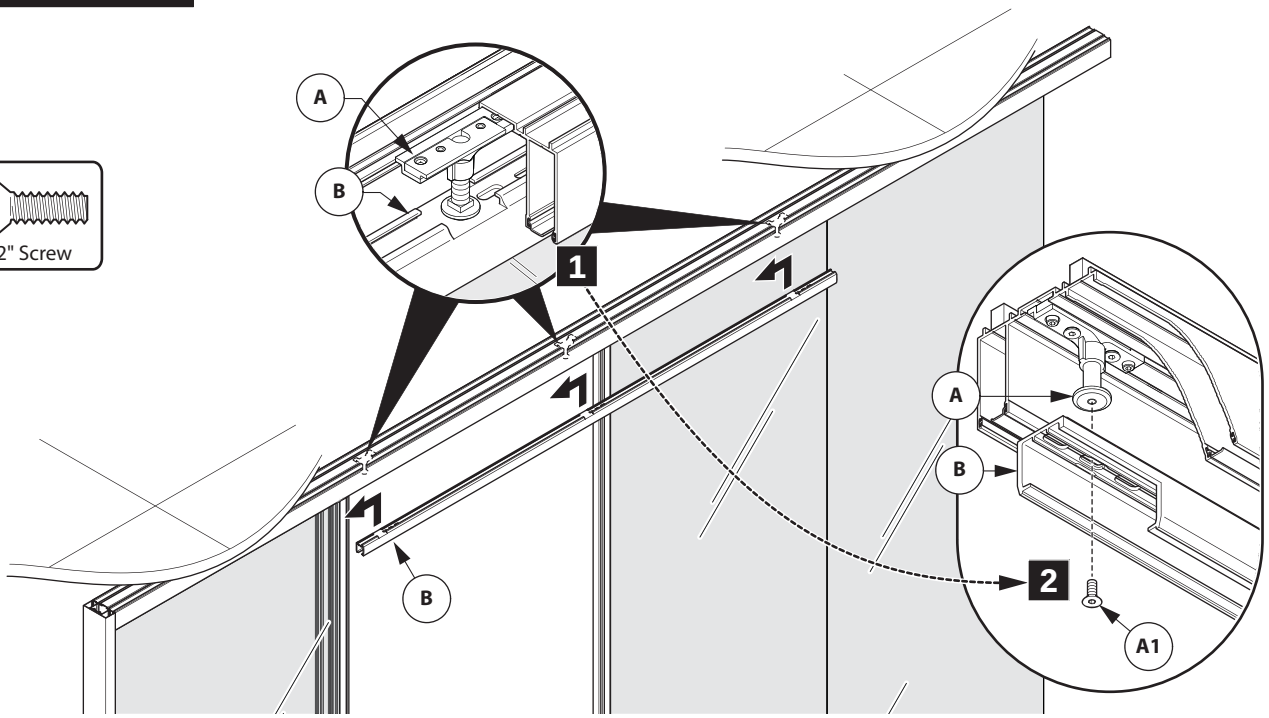


13

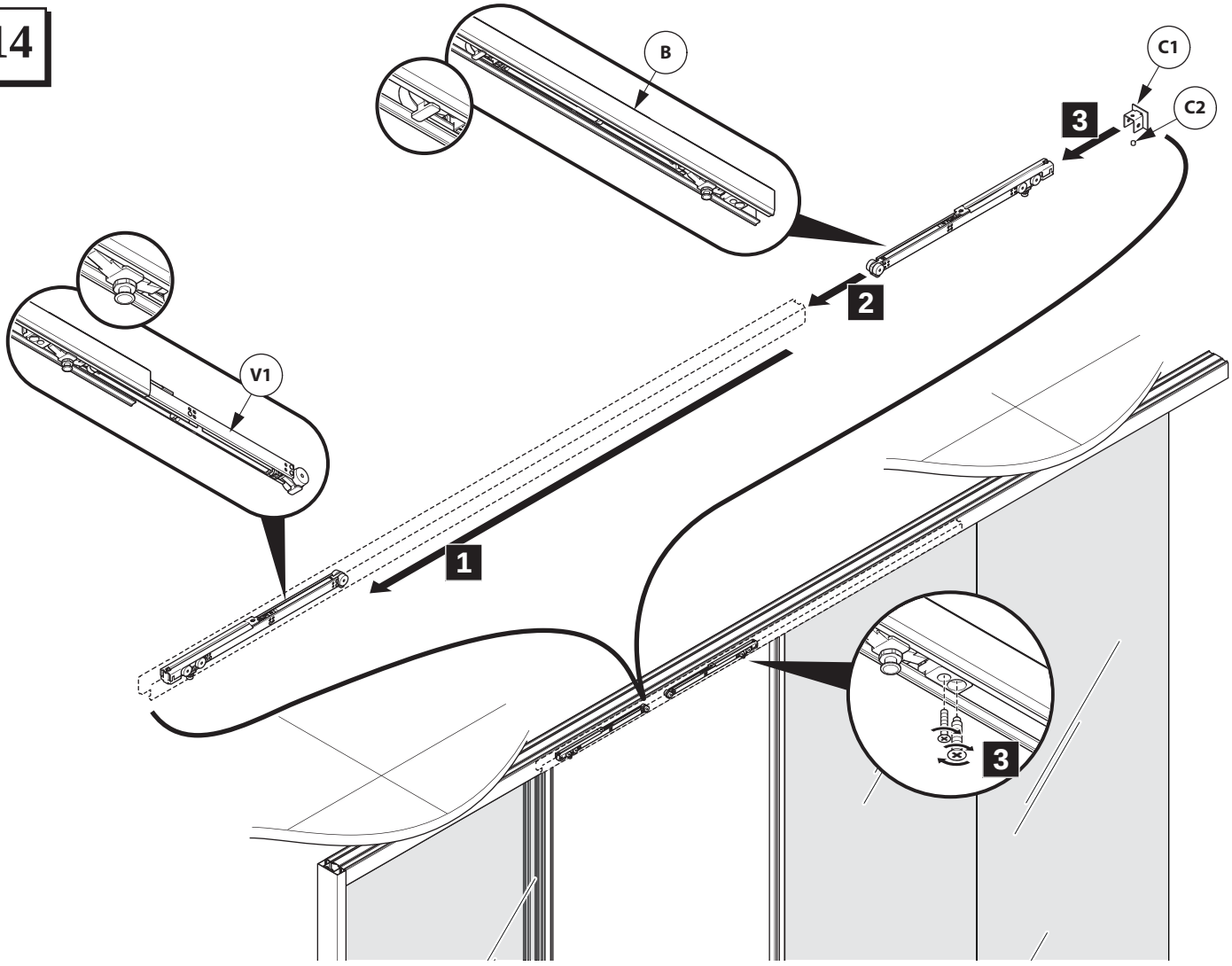
(A1)



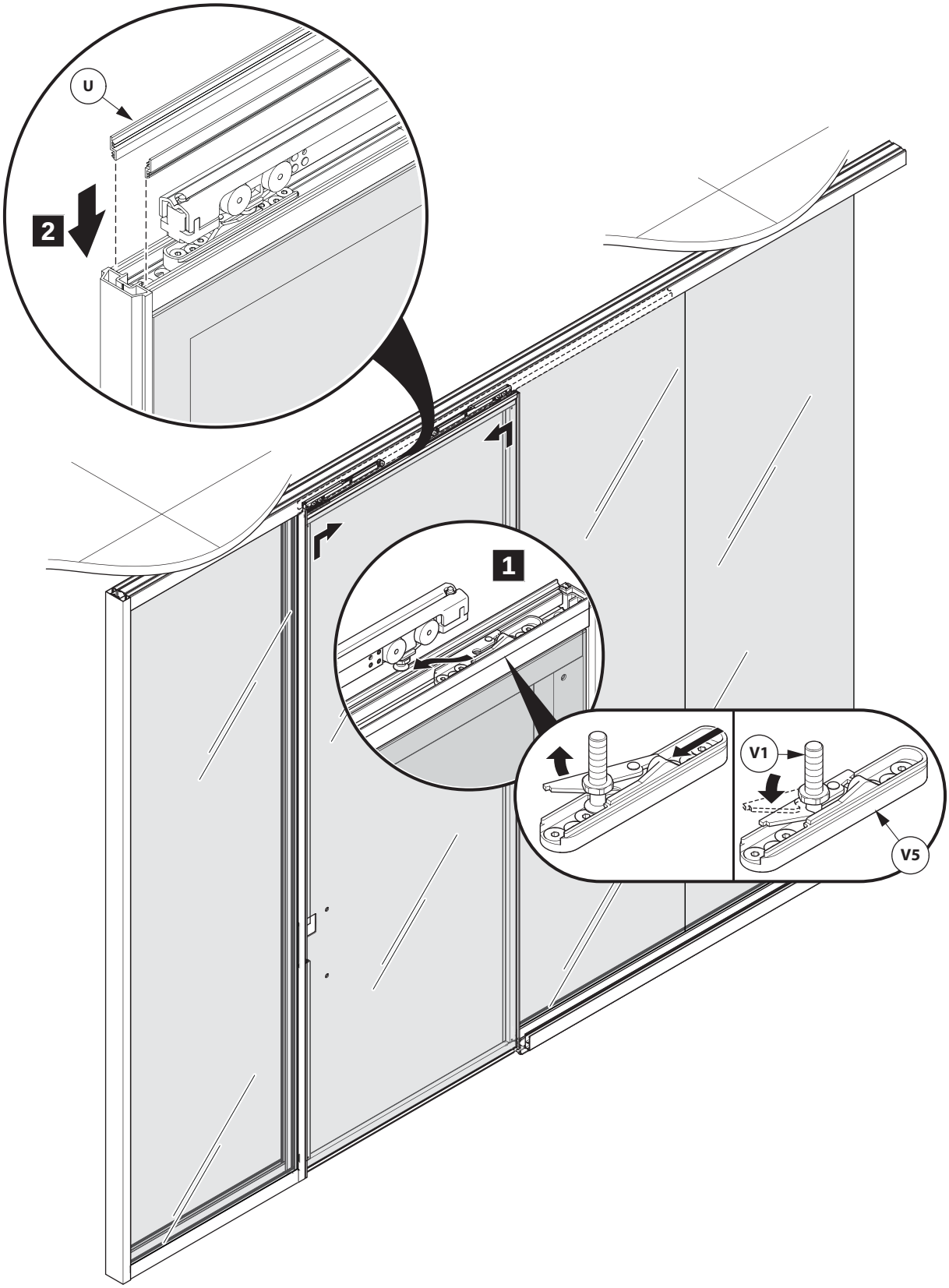
#8-32 x 1/2" Screw



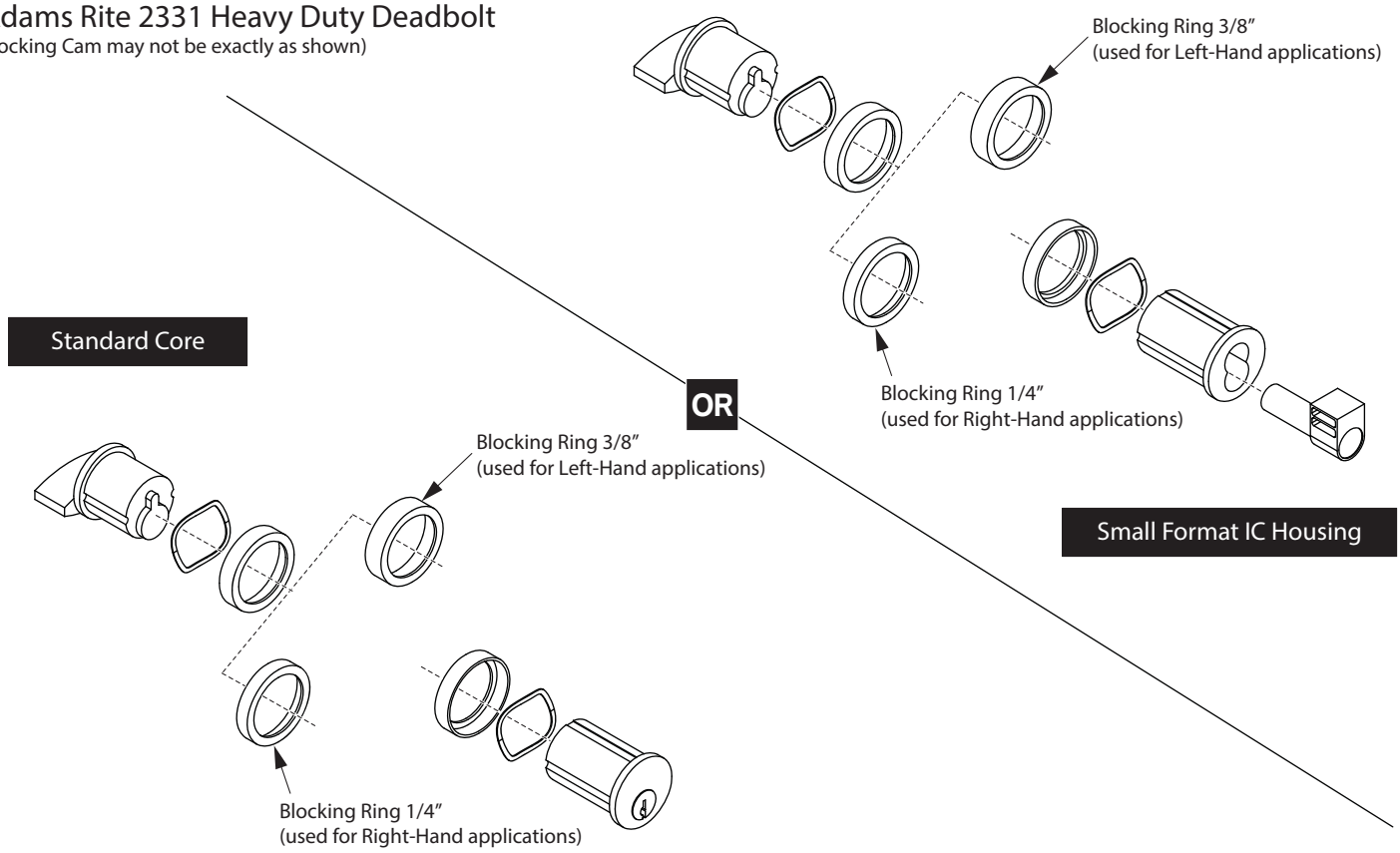
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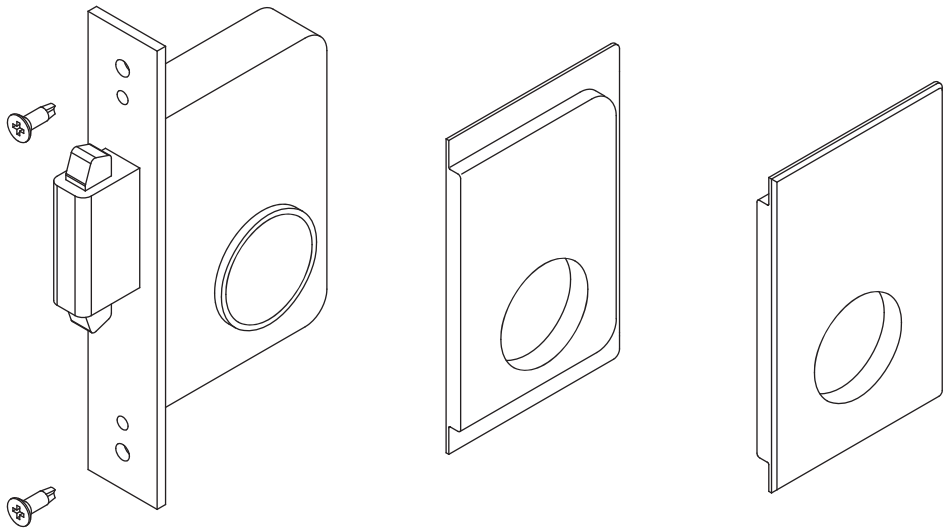


15

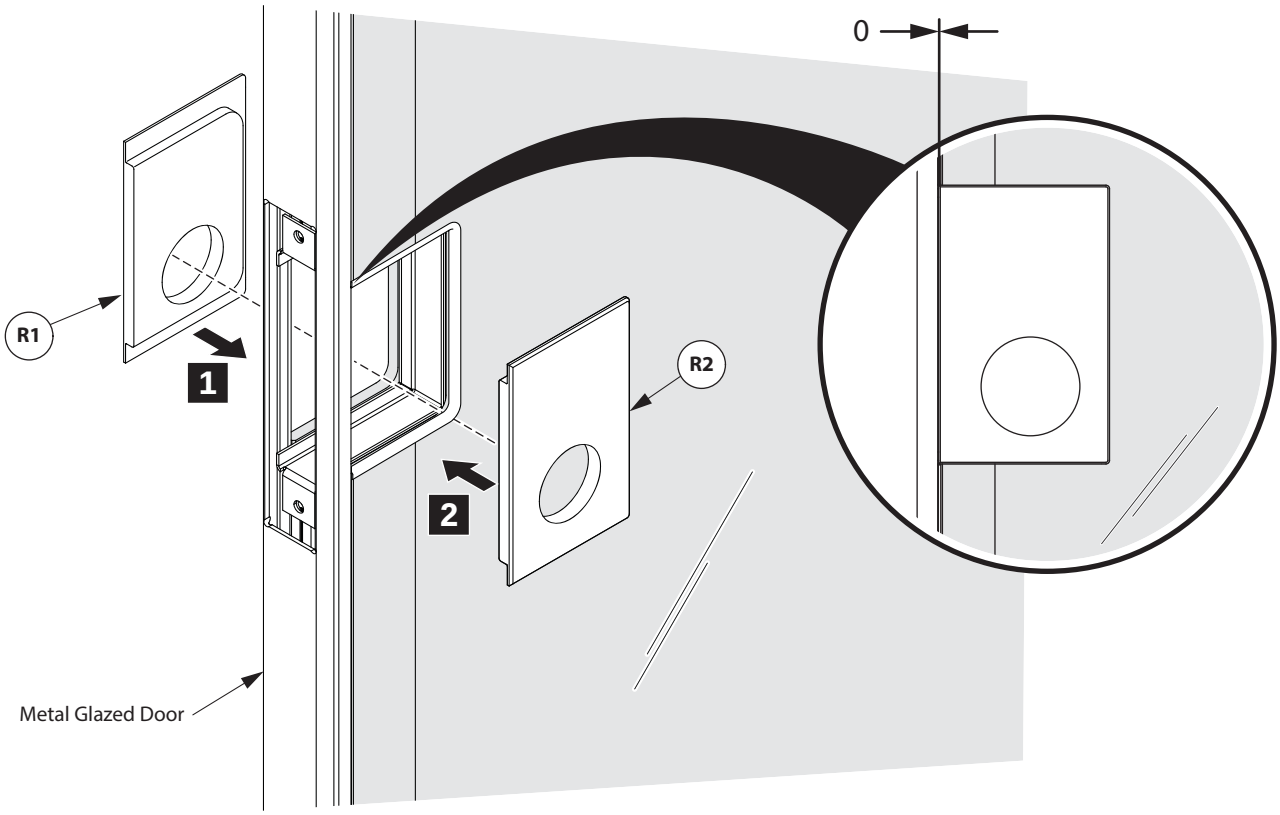


Hook Lock hardware kit
Adams Rite 2331 Heavy Duty Deadbolt
(Locking Cam may not be exactly as shown)



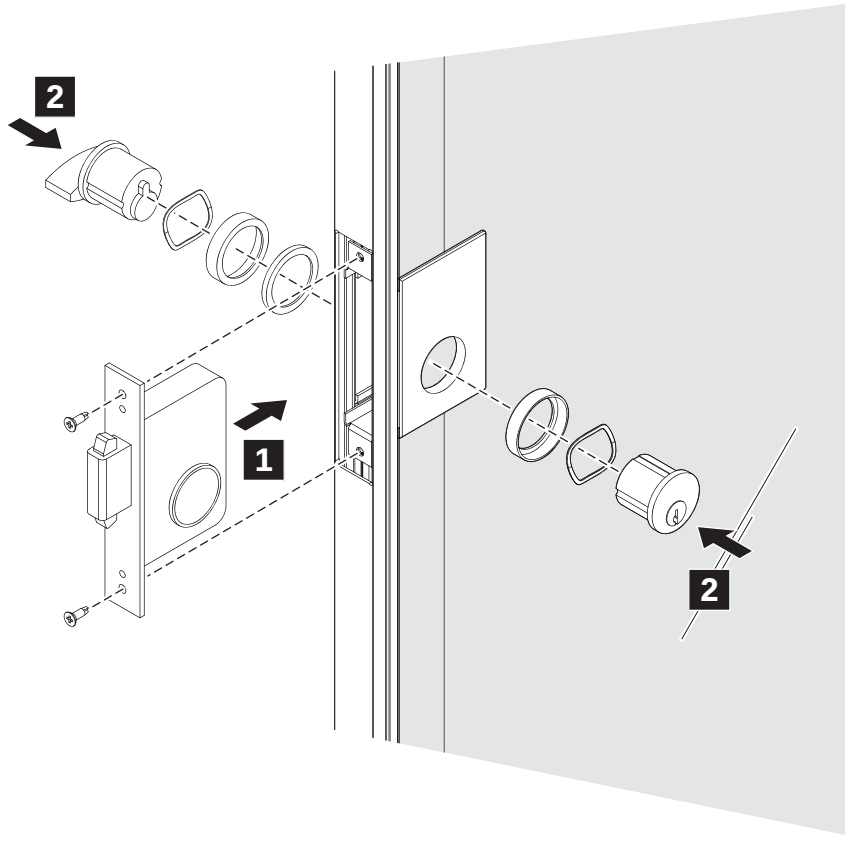


1



(Right-hand application shown)

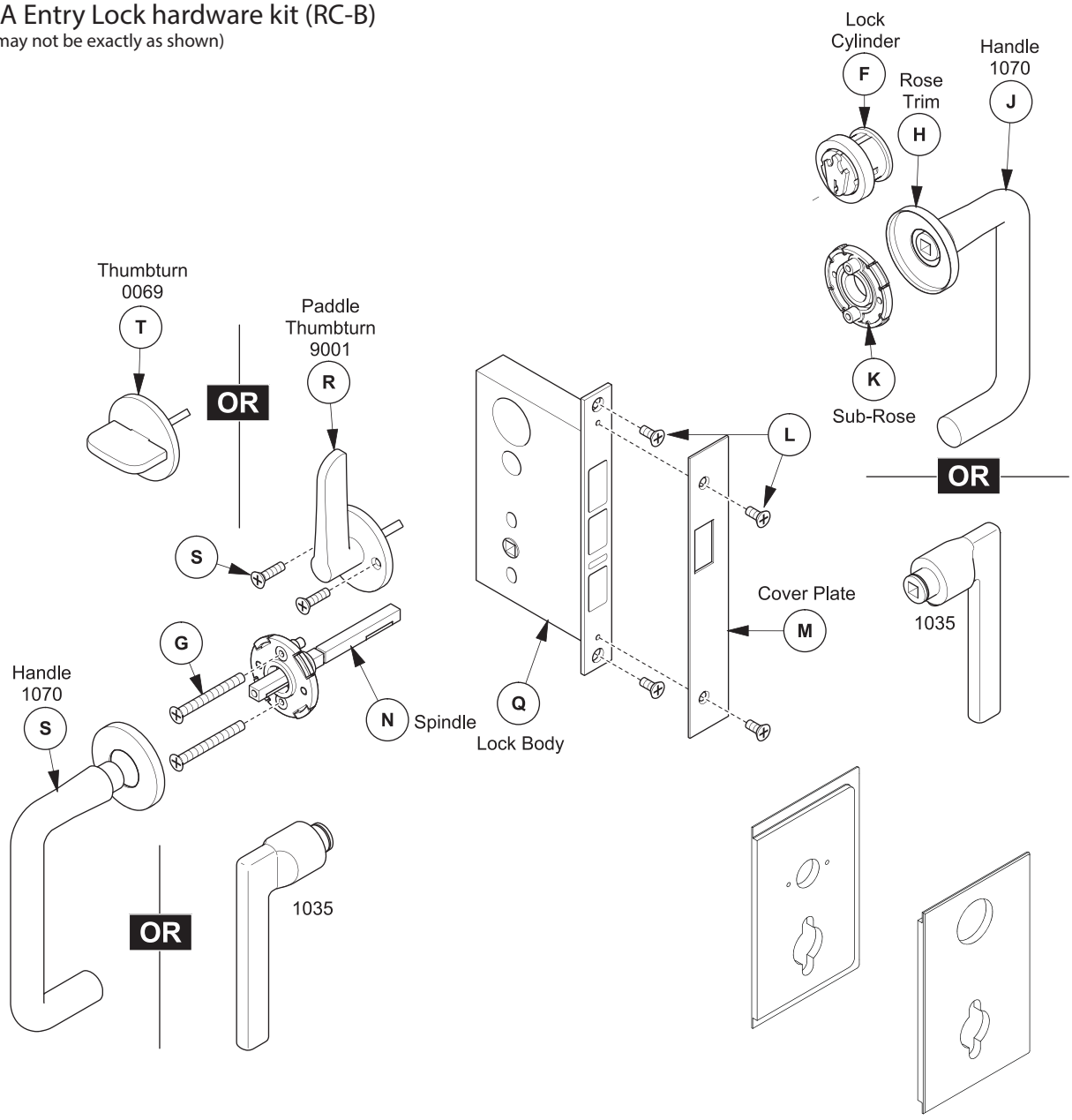
2



(Right-hand application shown)

Egress Entry Lock hardware kit (RA-B)
Egress ADA Entry Lock hardware kit (RC-B)

(Locking Cam may not be exactly as shown)

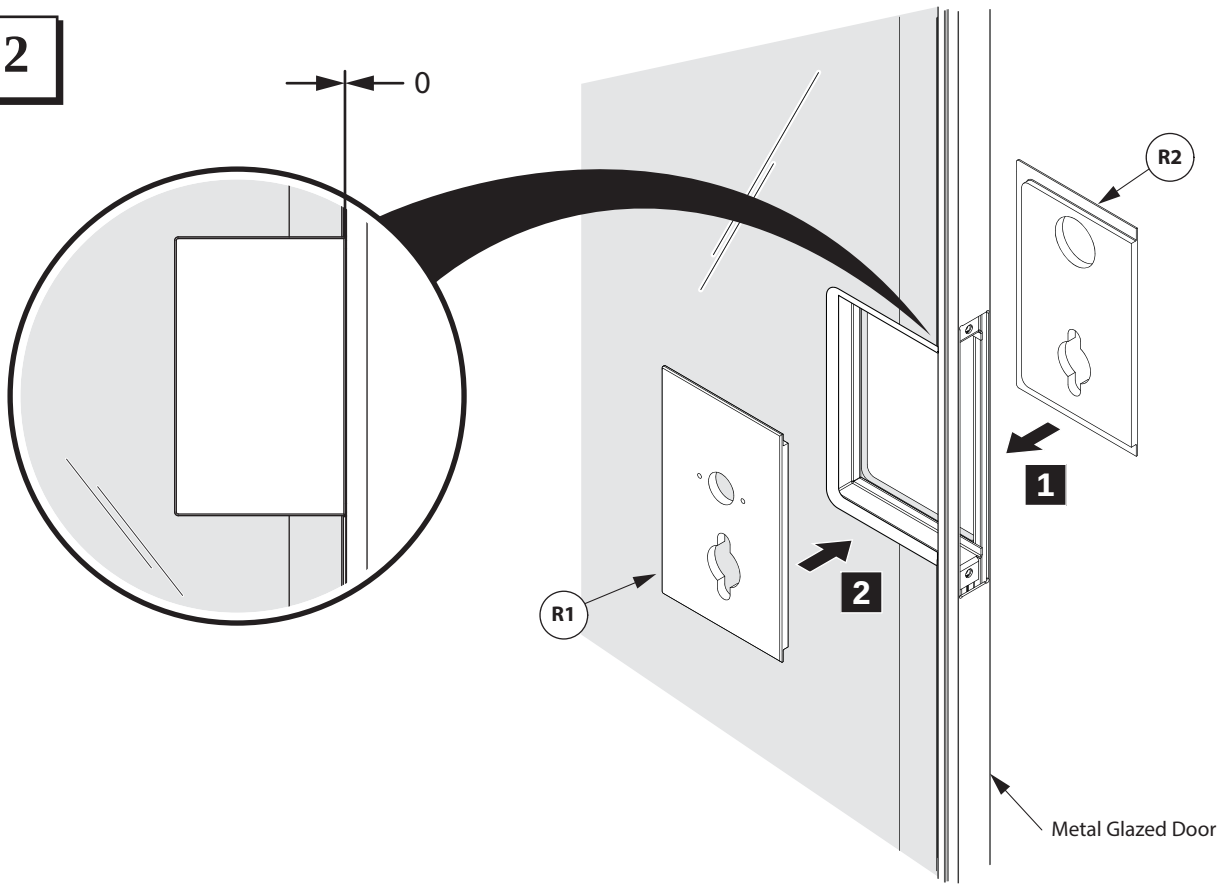


1

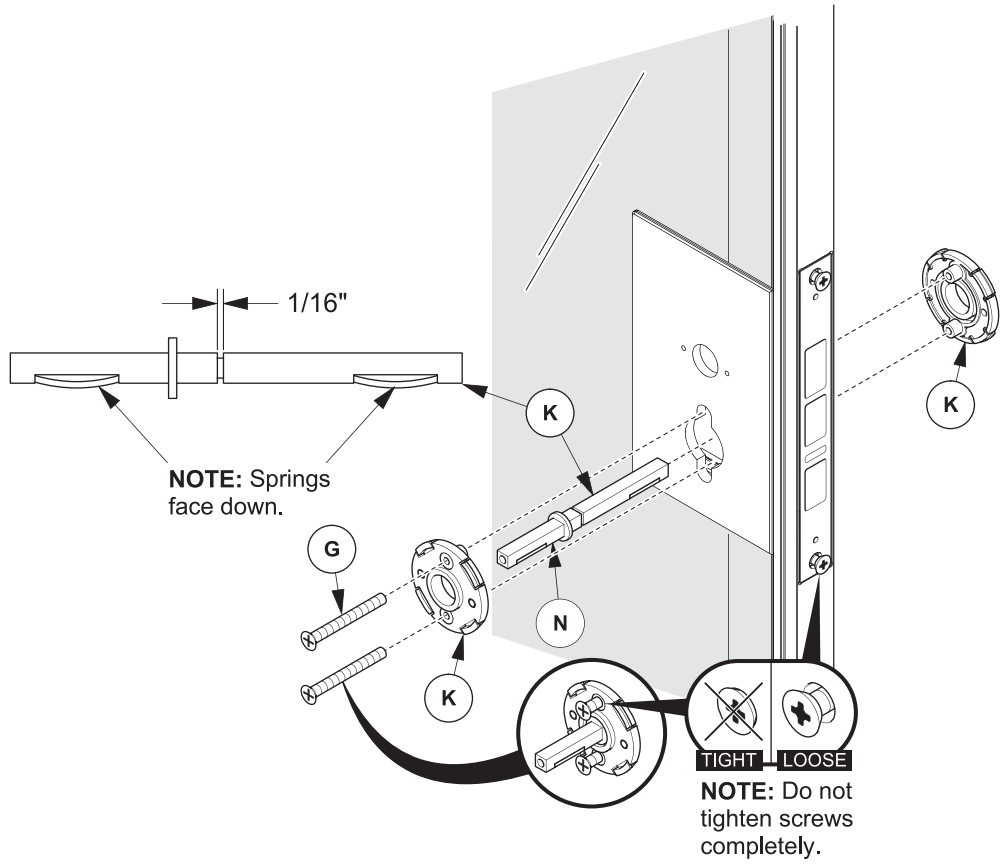
Preparation:

- ☐ Check: Strike must be on the same side of door as cutout in glass slab.
- ☐ Check: Frame must be level plumb and square. This is especially important for locking doors.

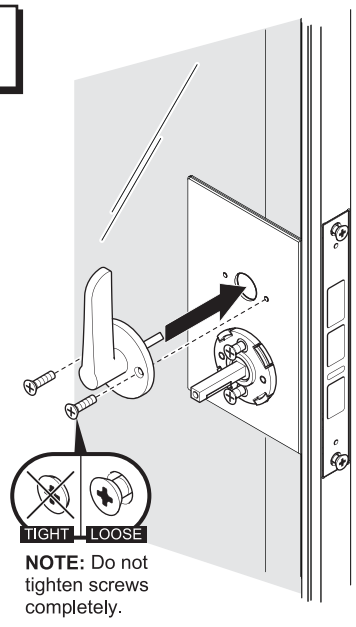
2


0
R2
1
R1
2
Metal Glazed Door

3

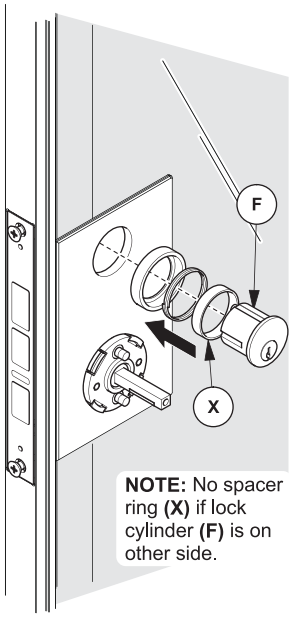

1/16"
K
NOTE: Springs face down.
G
N
K
K
TIGHT
LOOSE
NOTE: Do not tighten screws completely.

4



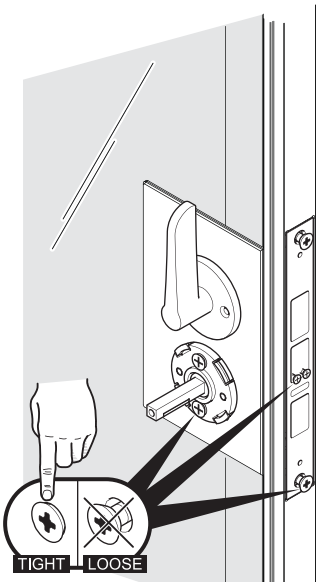
NOTE: Do not tighten screws completely.

5



NOTE: No spacer ring **(X)** if lock cylinder **(F)** is on other side.

6

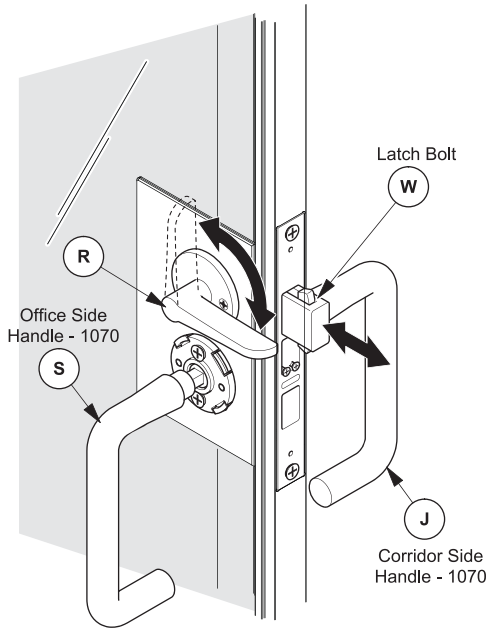


NOTE: Tighten all screws completely.

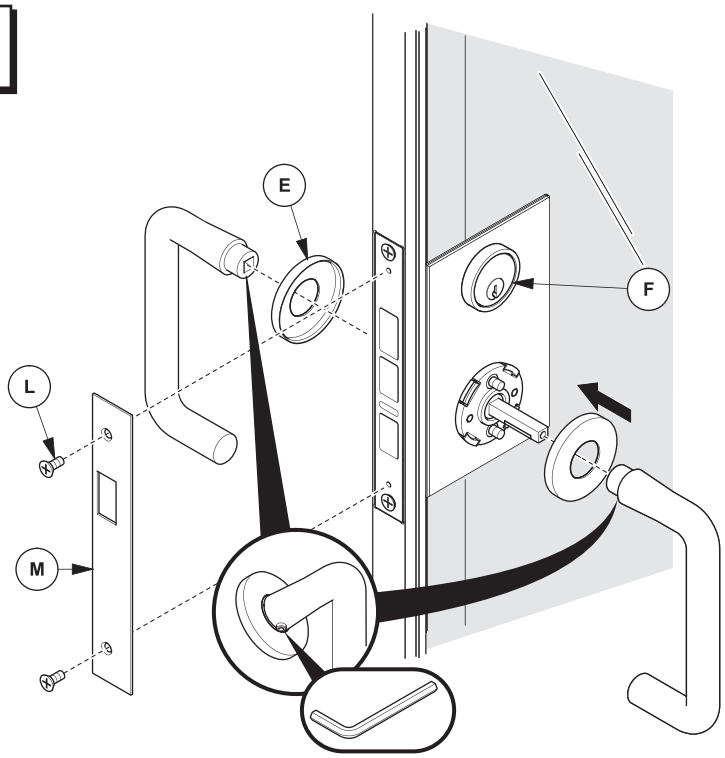
7

NOTE: Operating the thumbturn **(R)** and keyed cylinder **(F)** must extend (out) and retract (in) the latch bolt **(W)**. With the latch bolt **(W)** in the extended (locked) position the corridor side handle **(J)** must be locked, and operating the office side handle **(S)** must withdraw (unlock) the latch bolt **(W)**.

The lock must operate smoothly. If it operates with difficulty check for proper parts alignment and/or over tightened screws.



8



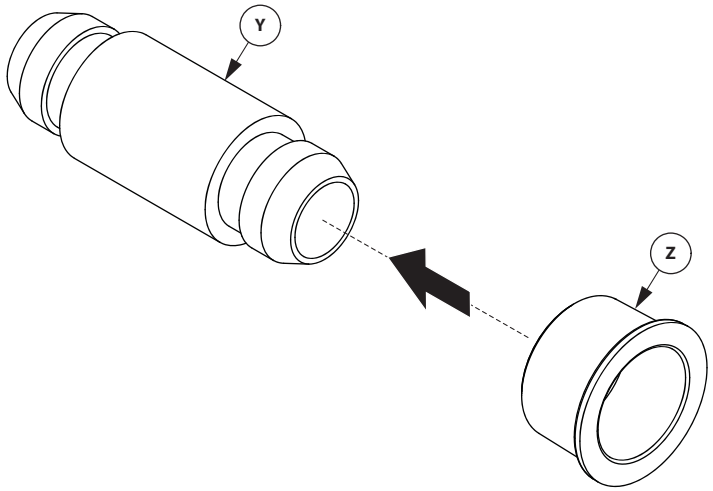
9

Align lock with strike and test:

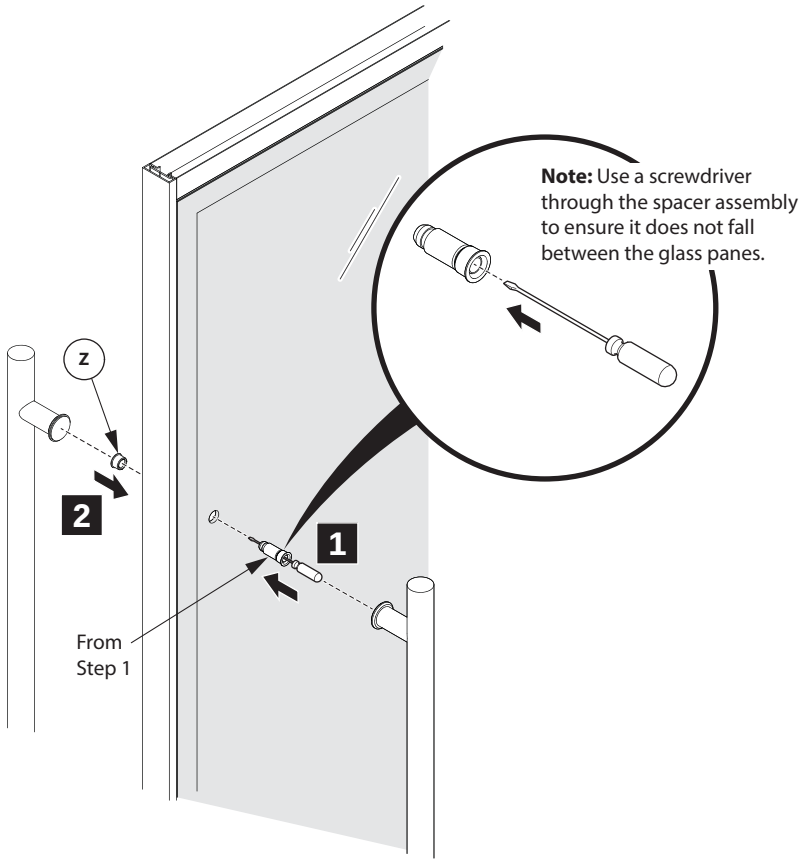
- ☐ Adjust door height per door instruction so that edge of door is parallel to door frame and latch is in center of strike hole.
- ☐ Adjust top stop in door track so that lock engages easily in strike without excessive play.
- ☐ Check the lock function. Lock must operate smoothly.

1

Metal Glazed Doors only

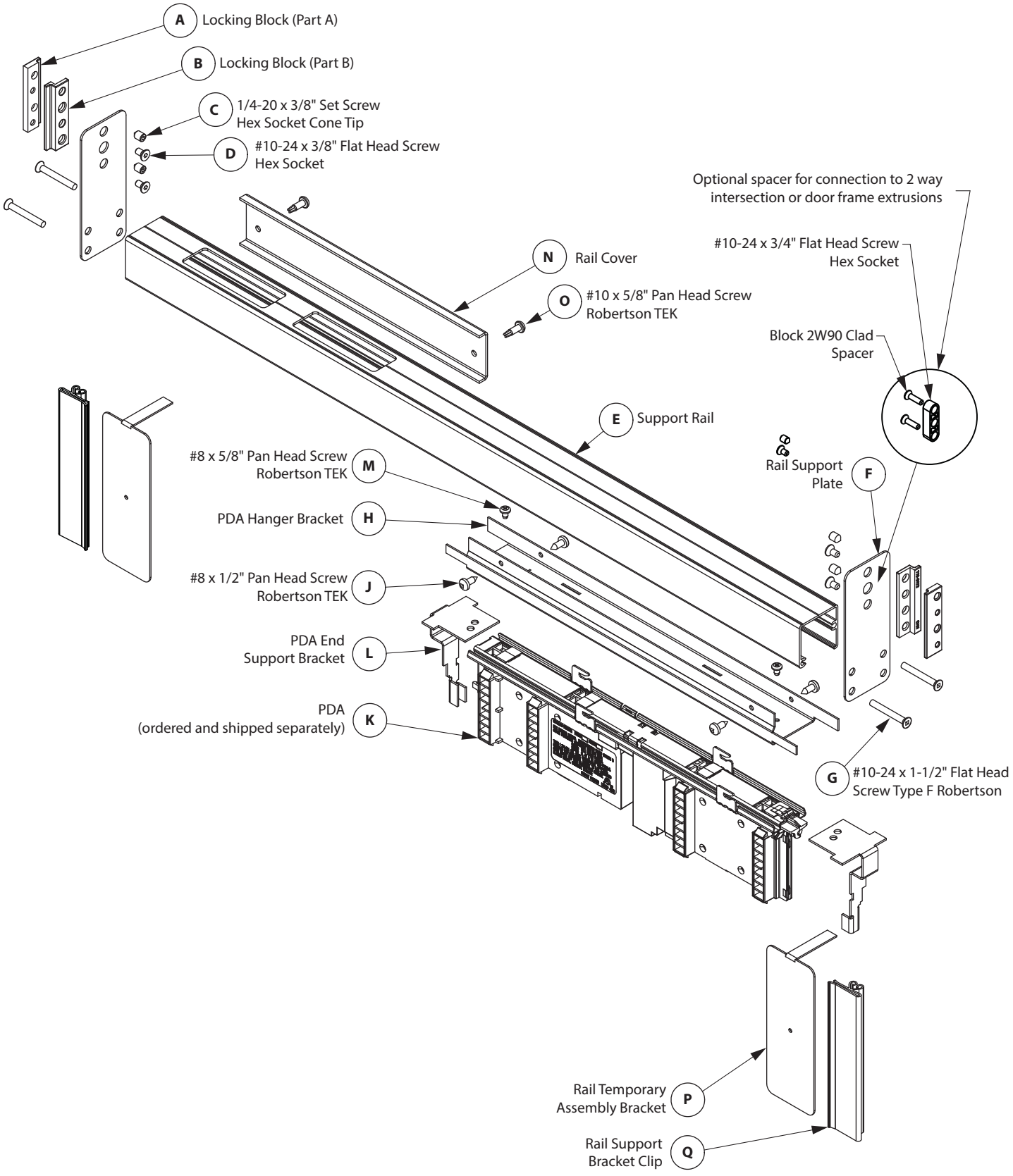


2

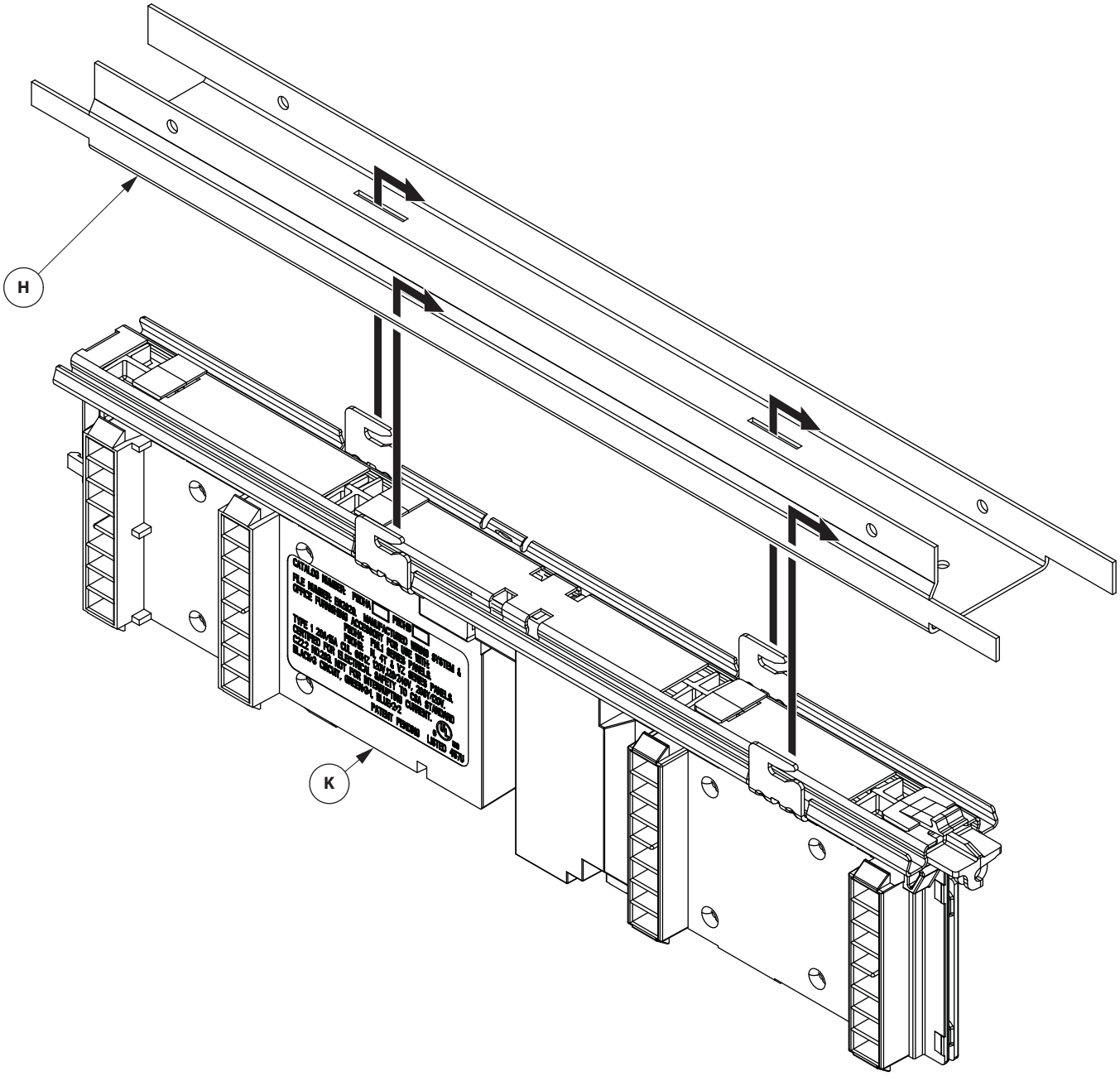


D-Pulls type may not be as shown. Assemble D-Pulls per manufacturer's instructions.

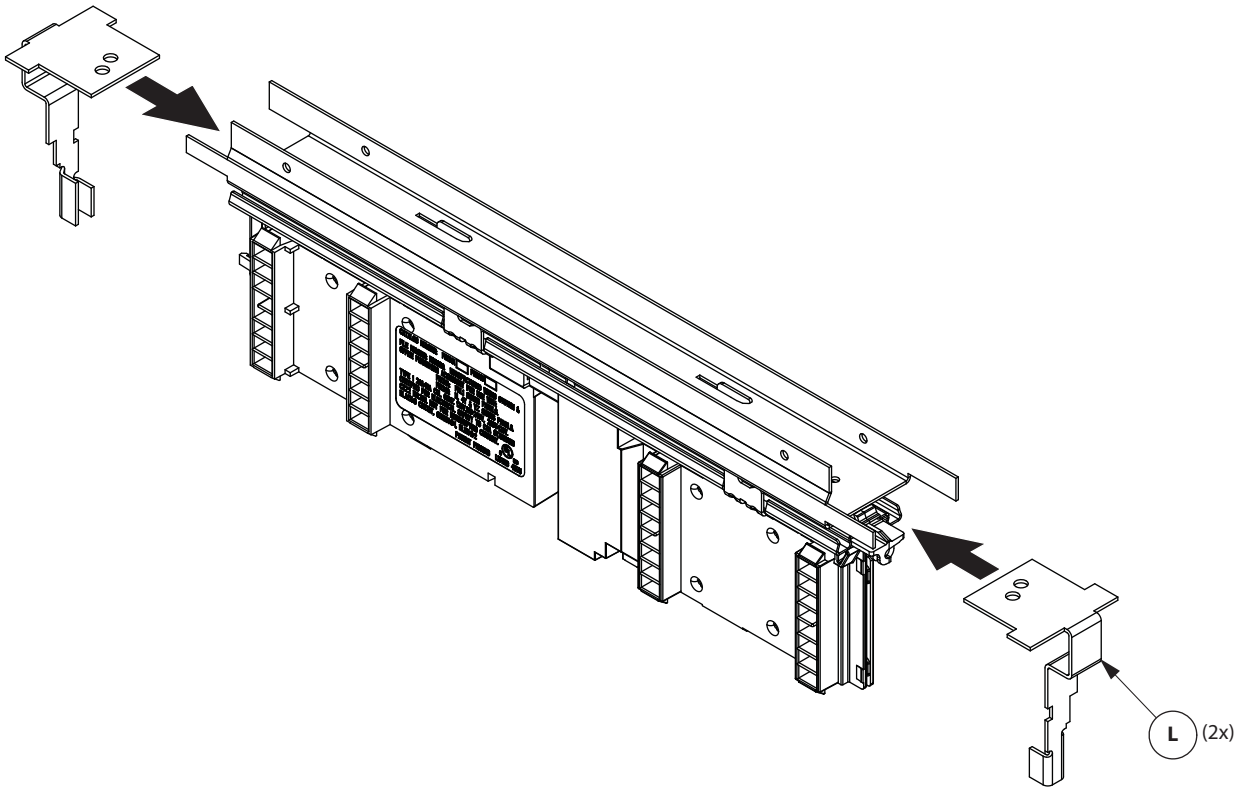
Section 17 - Electrical Power Base



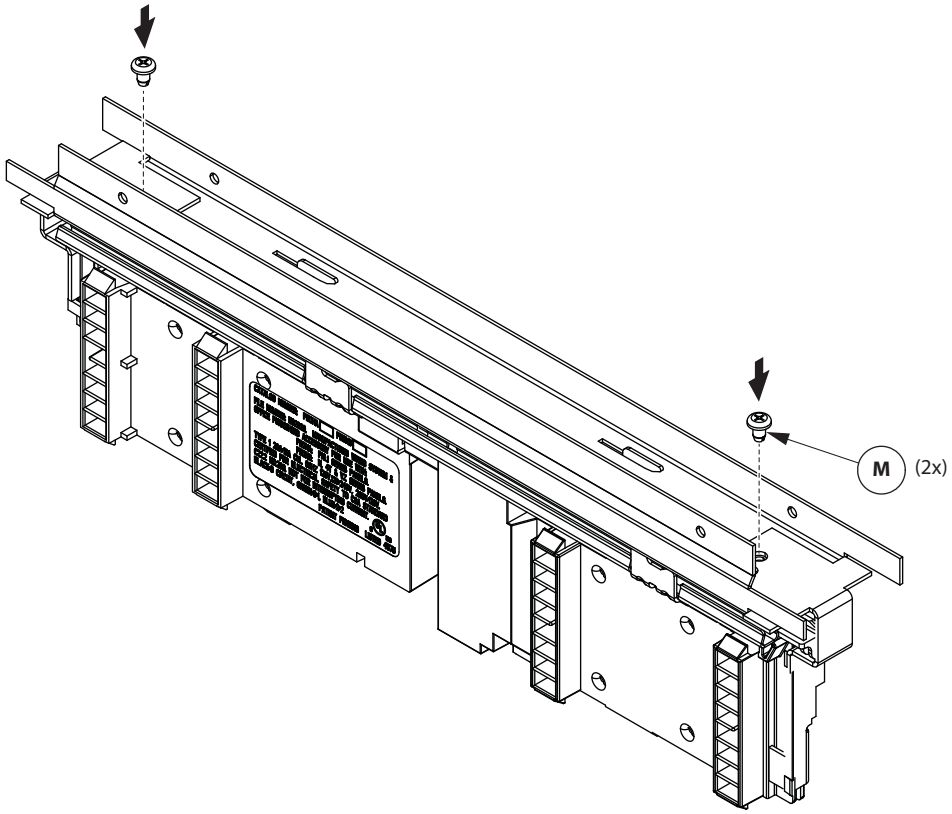
1



2

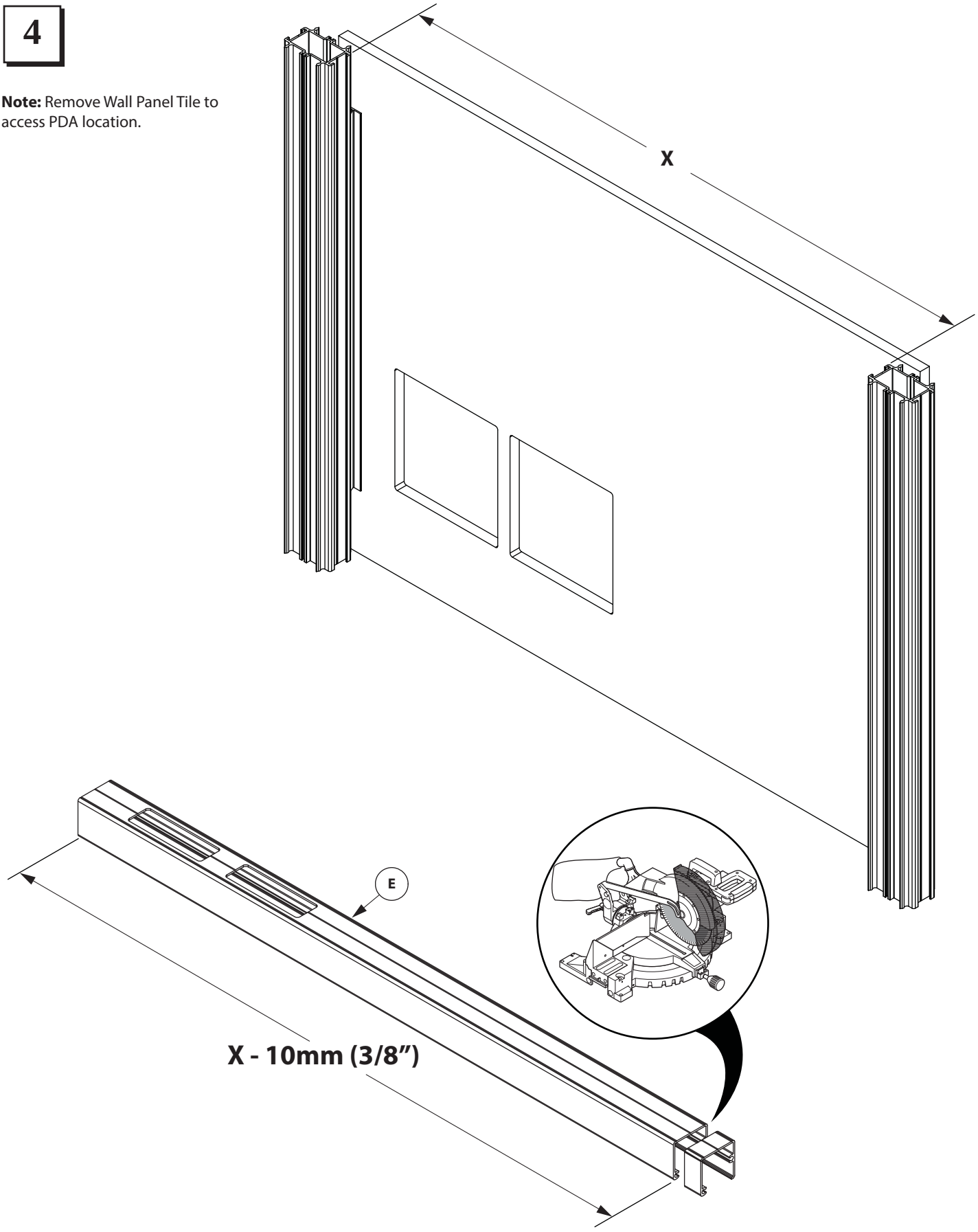


3

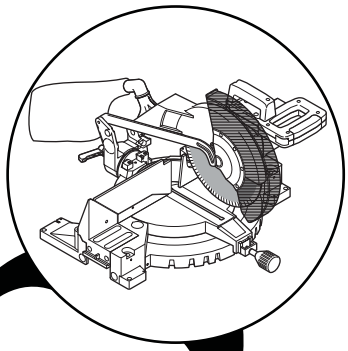


4

Note: Remove Wall Panel Tile to access PDA location.



5



Note: Extend cutouts in Rail (E) only if exisiting cables need to be passed through vertically. Based on accessibility at the time of installation, determine which extrusion wall side to remove.

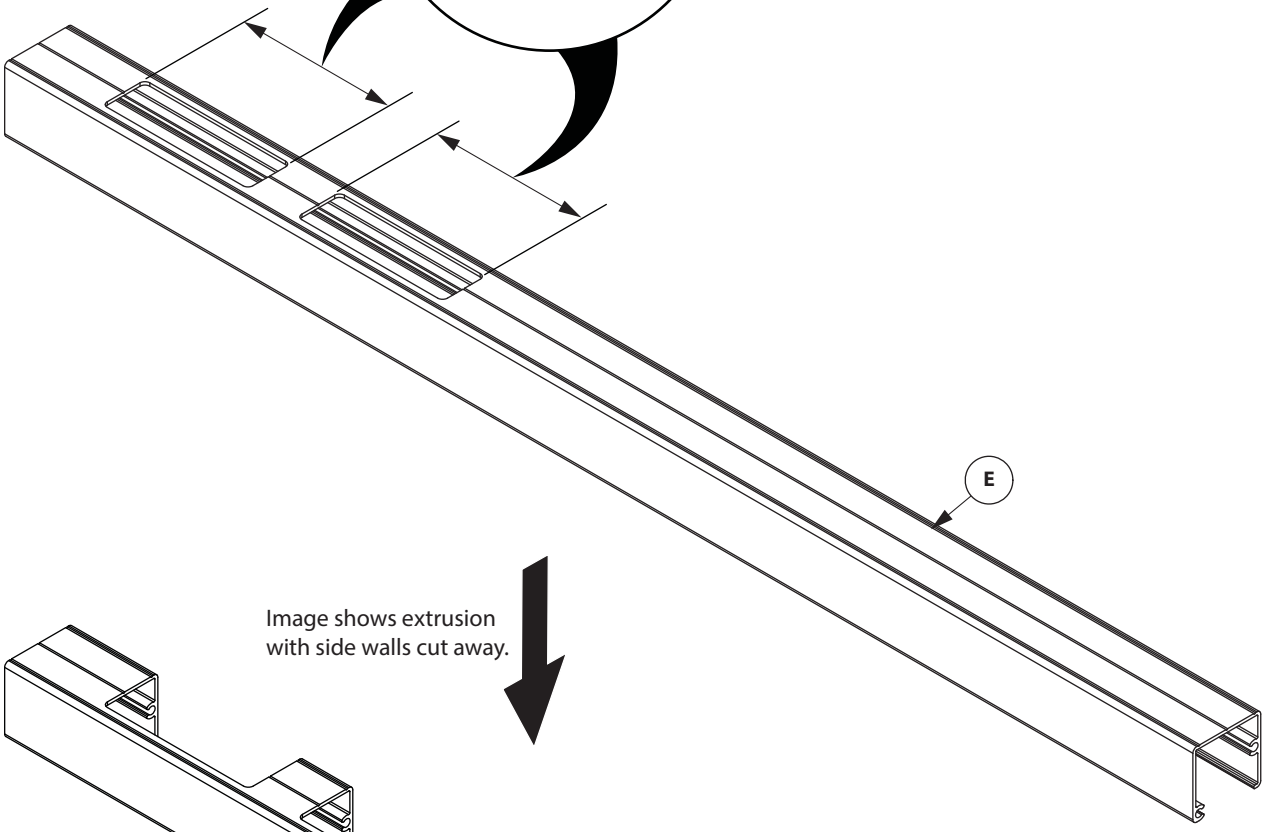
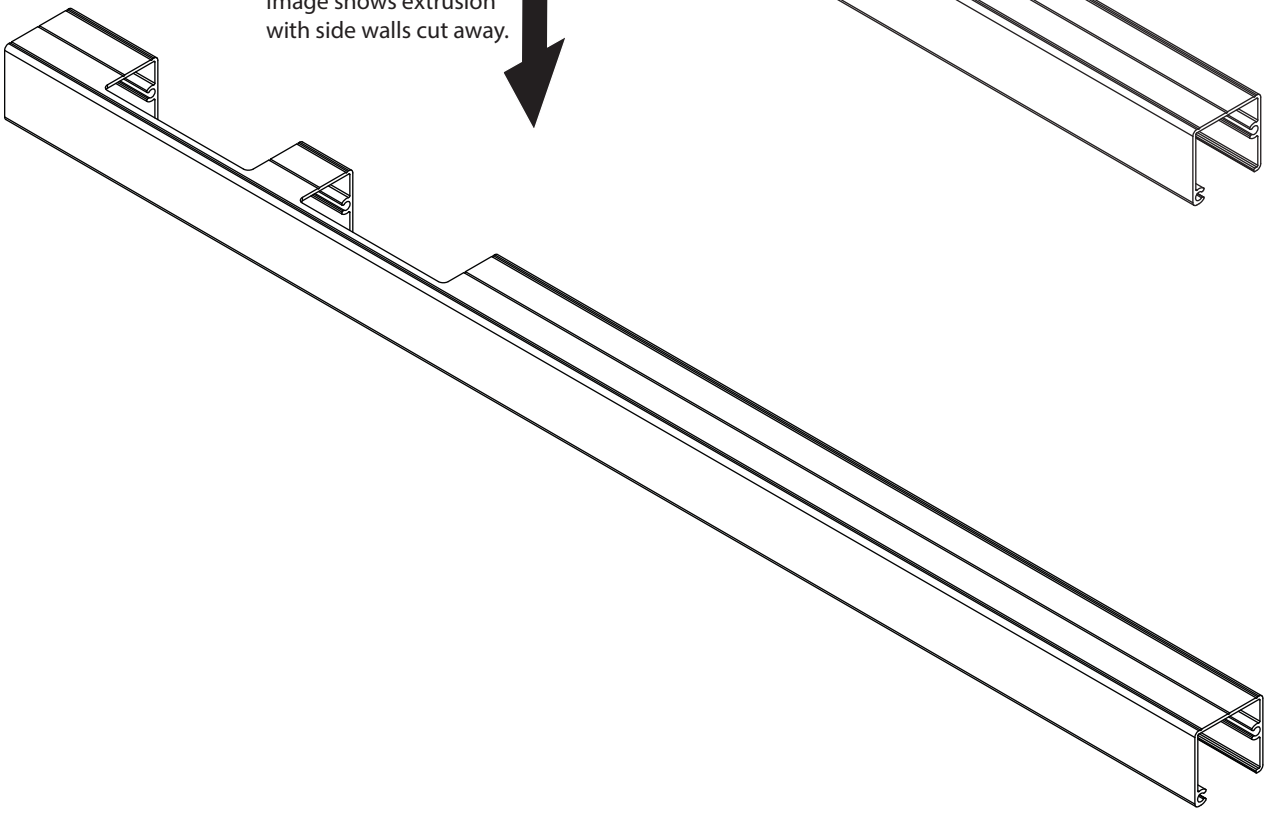
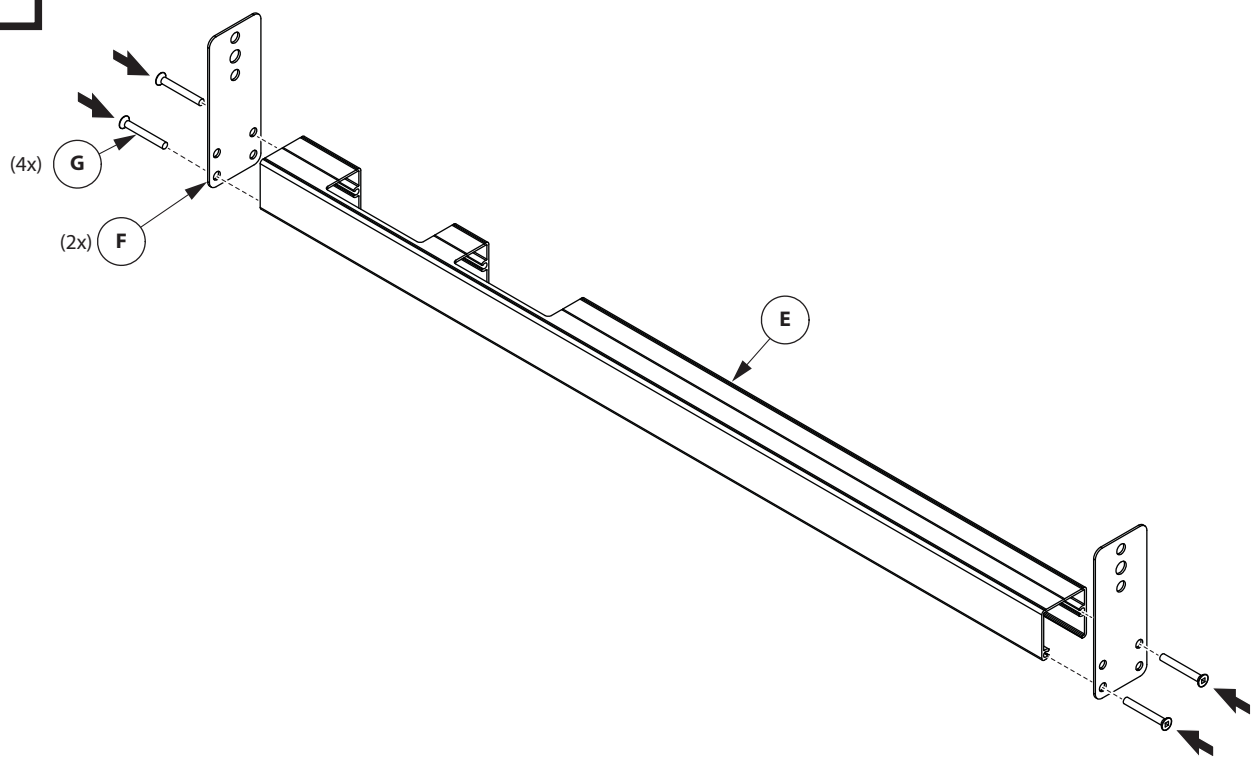


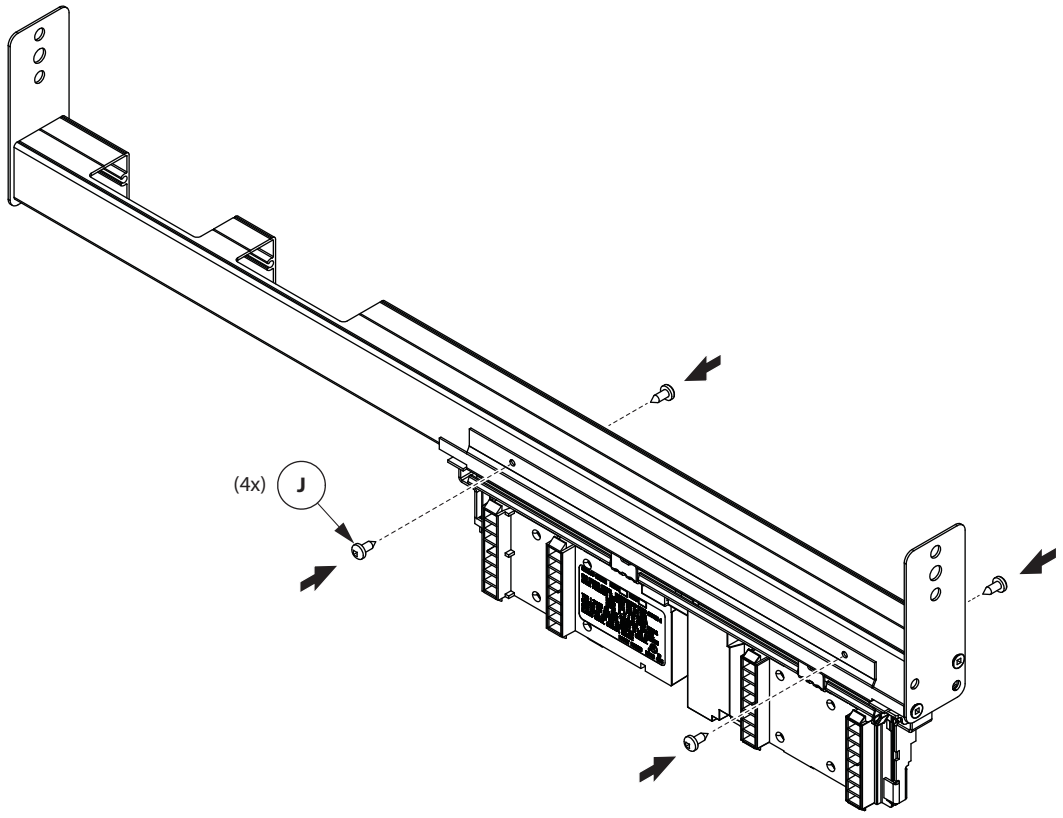
Image shows extrusion with side walls cut away.



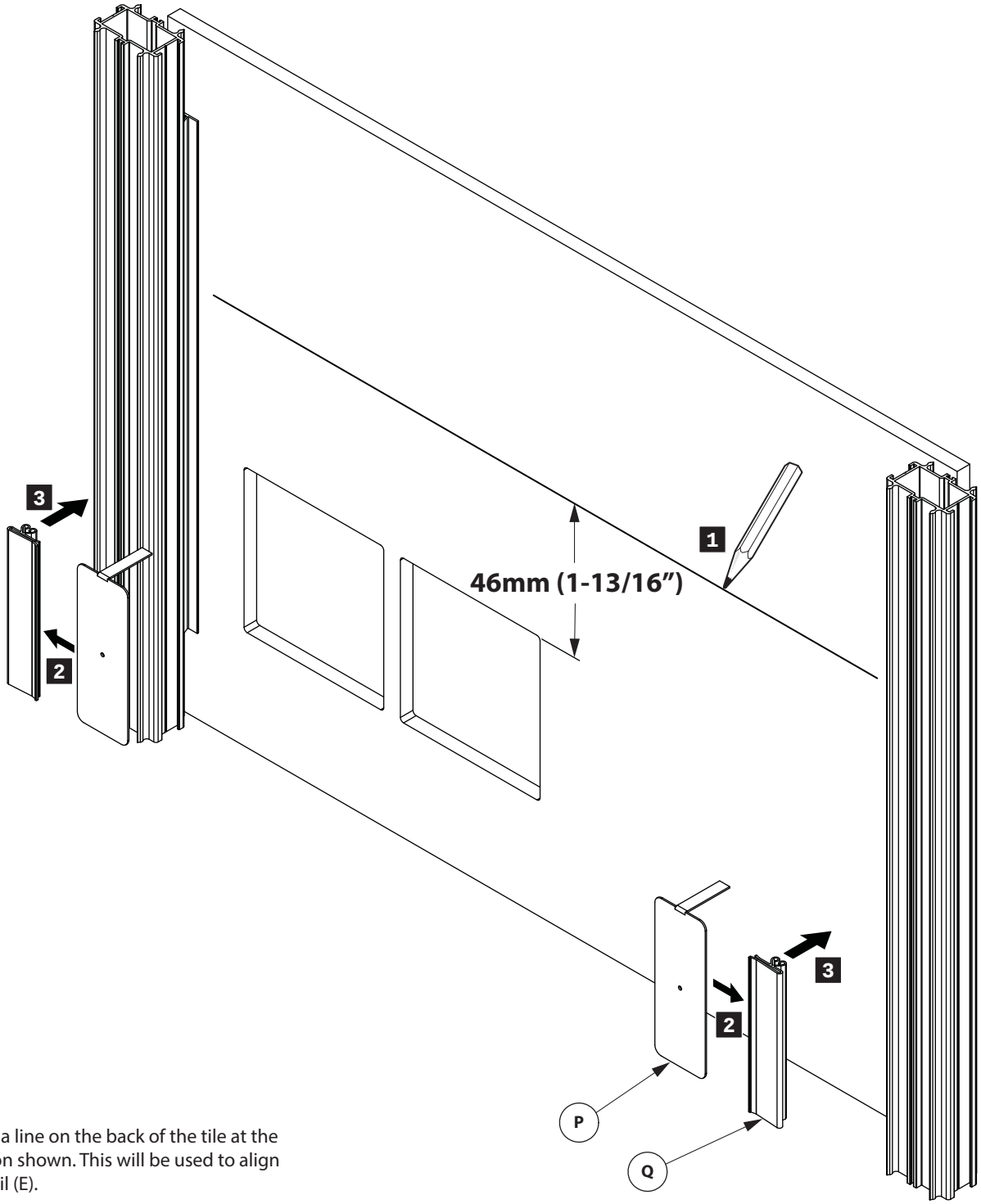
6



7



8

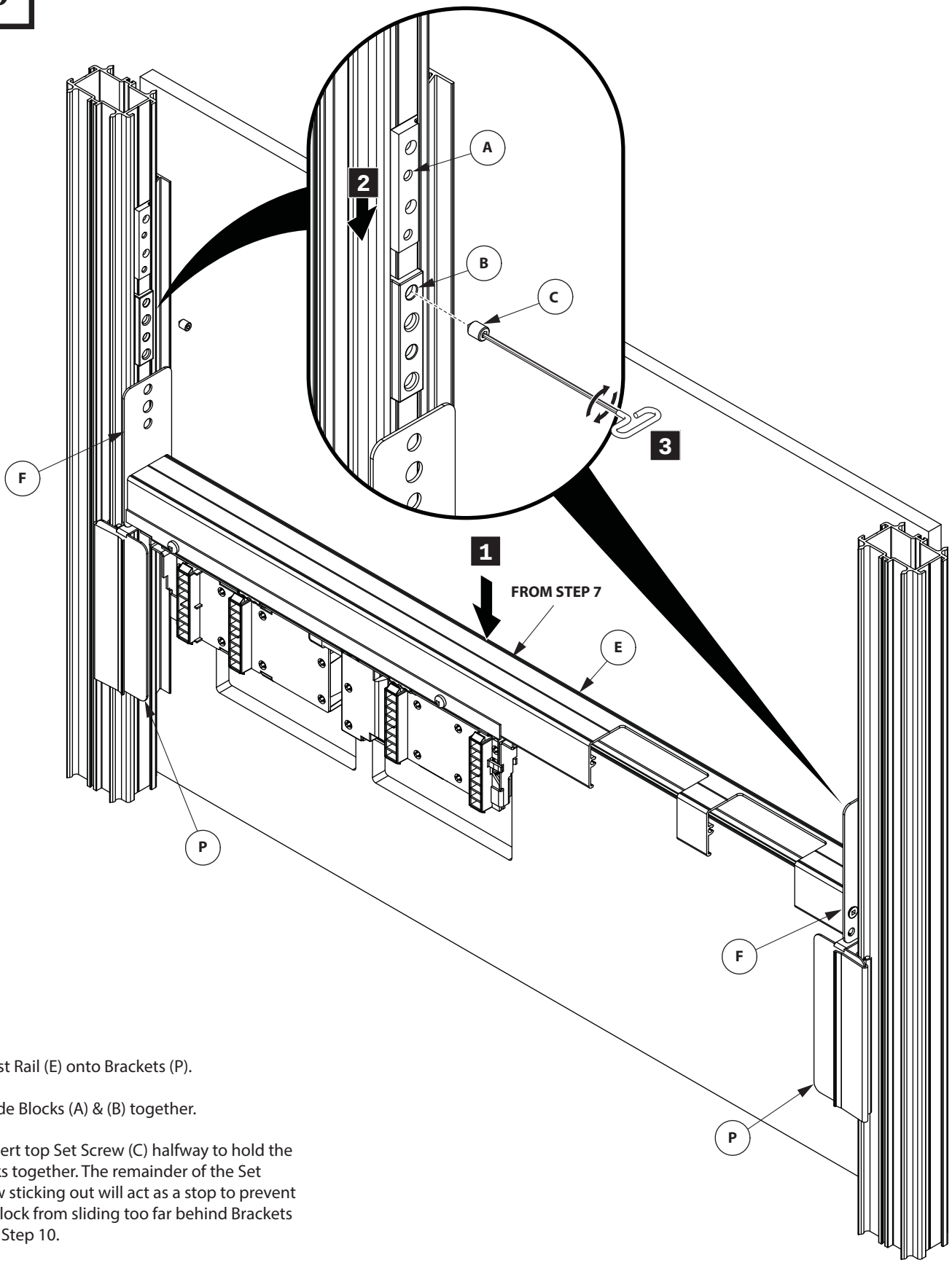


1) Scribe a line on the back of the tile at the dimension shown. This will be used to align top of Rail (E).

2) Assemble Brackets (P) to Clips (Q).

3) Attach the Clip and Bracket assemblies to the existing Vertical Rails. These are used to temporarily support Rail (E).

9

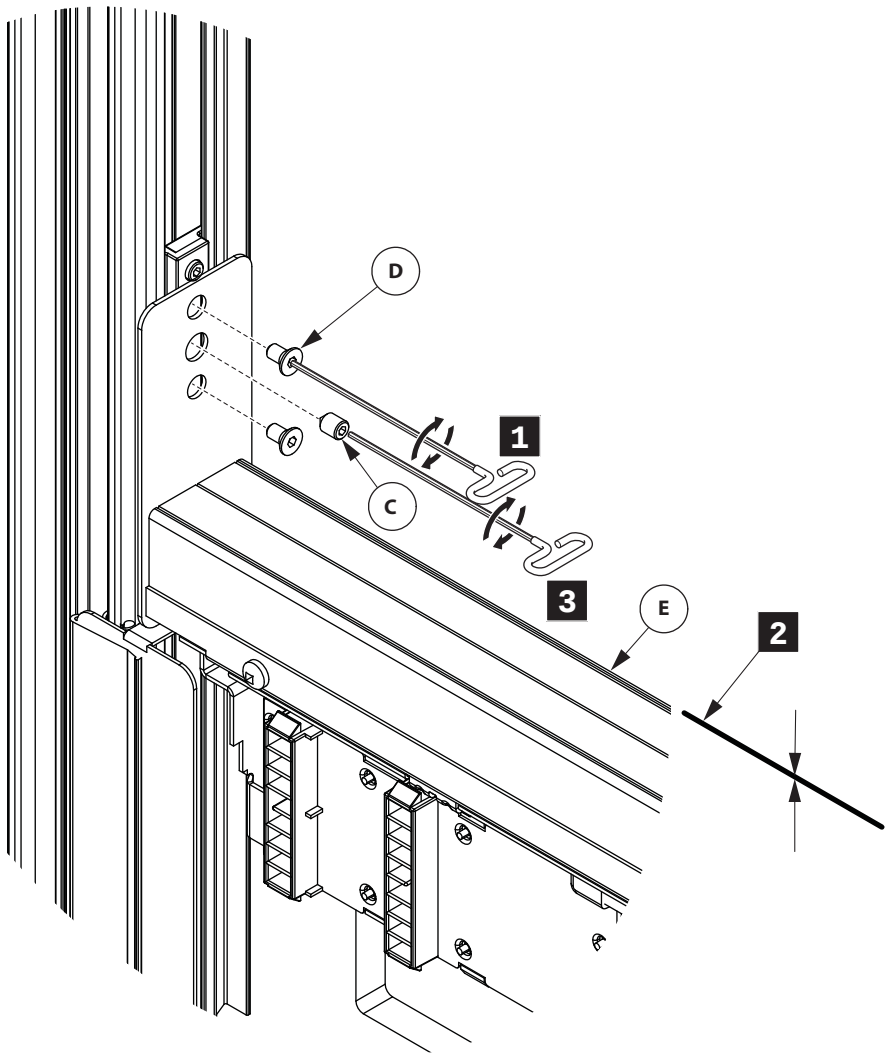


1) Rest Rail (E) onto Brackets (P).

2) Slide Blocks (A) & (B) together.

3) Insert top Set Screw (C) halfway to hold the blocks together. The remainder of the Set Screw sticking out will act as a stop to prevent the block from sliding too far behind Brackets (F) in Step 10.

10

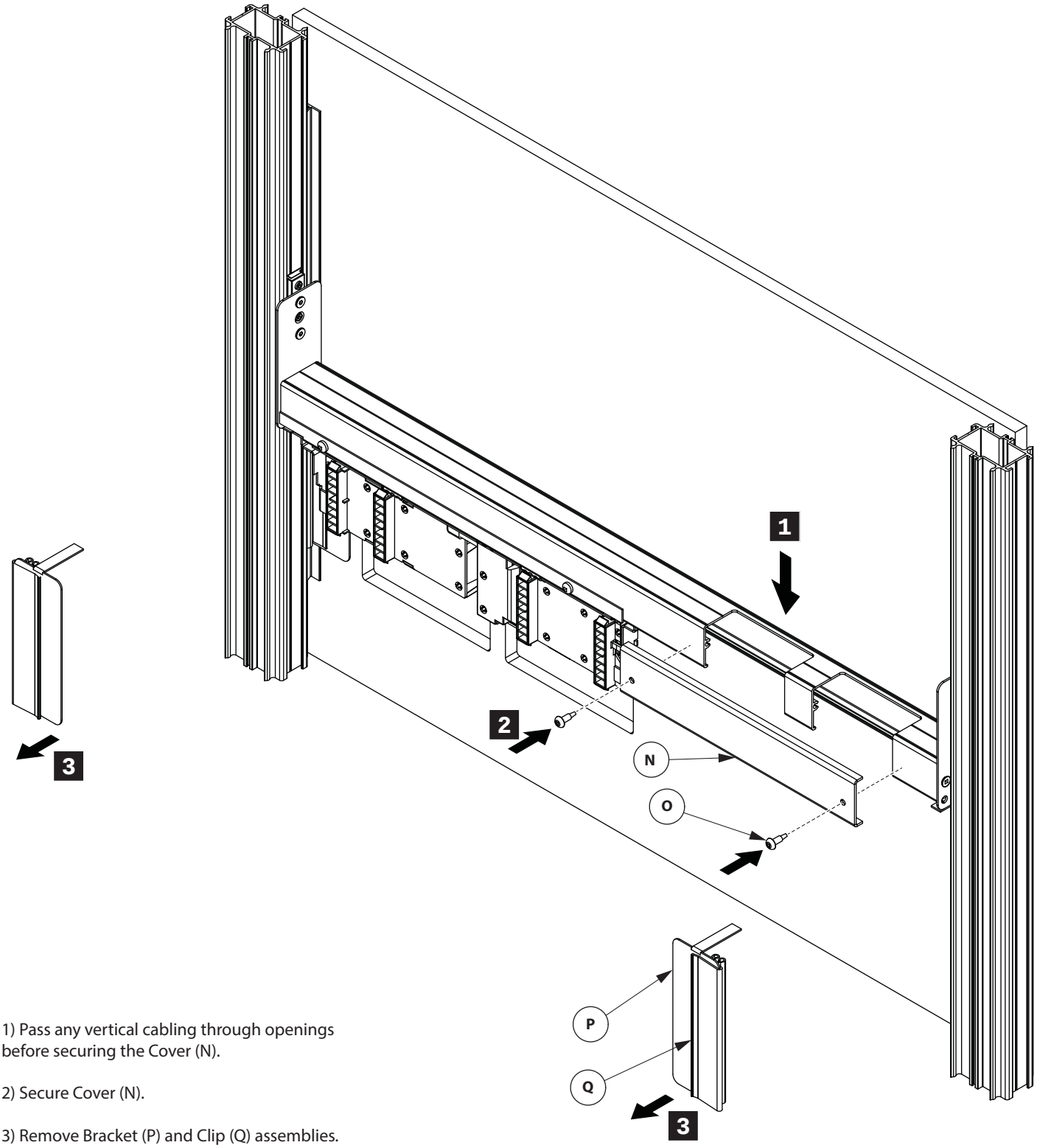


1) Fasten Flat Head Screws (D) to Block Assembly. Repeat on opposite side.

2) Align Rail (E) to scribed line on the back of tile.

3) Fasten/tighten Set Screws (C) against Vertical Rail. Repeat on opposite side.

11



1) Pass any vertical cabling through openings before securing the Cover (N).

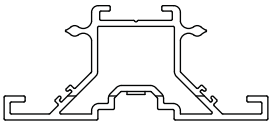
2) Secure Cover (N).

3) Remove Bracket (P) and Clip (Q) assemblies.

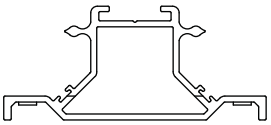
4) Assemble Wall Panel Tile.

Section 18 - Quick Reference Profiles

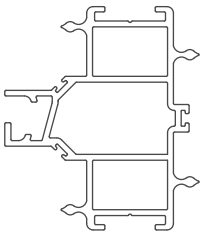
Trns, Tile-Glass, Ctr, Ntch
118-1654
(See Section 8)



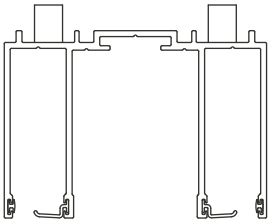
Trns, Tile-Glass, Otr, Ntch
118-1655
(See Section 8)



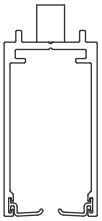
Trns, Tile-Tile, 1 Slot, Ntch
118-1656
(See Section 8)



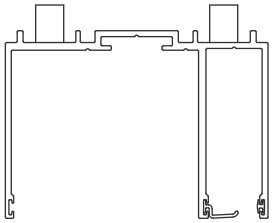
Rail, Top|Starter, 3Chnl, 2.5"
119-1434
(See Section 5 or 6)



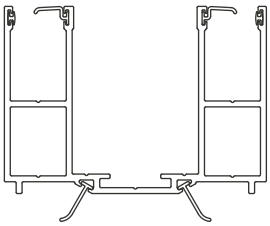
Rail, Top|Starter, 1Chnl, 2.5"
119-1435
(See Section 5 or 6)



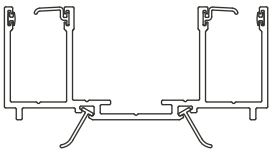
Rail, Top Acc Chnl, 2.5"
119-1436
(See Section 6)



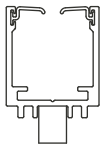
Rail, Bottom, 3Chnl, 2.5"
119-1437
(See Section 7)



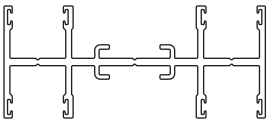
Rail, Bottom|Starter, 3Chnl, 1.5"
119-1438
(See Section 5 or 7)



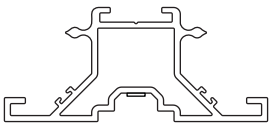
Rail, Bottom|Starter, 1Chnl, 1.5"
119-1439
(See Section 5 or 7)



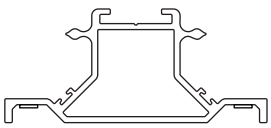
Trns, 3Chnl, Std
119-1440
(See Section 8)



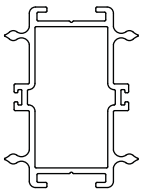
Trns, Tile-Glass, Ctr, Std
119-1441
(See Section 8)



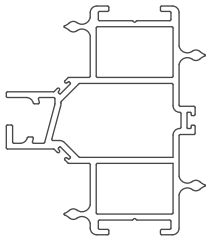
Trns, Tile-Glass, Otr, Std
119-1442
(See Section 8)



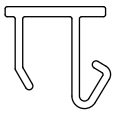
Trns, Tile-Tile, Std
119-1443
(See Section 8)



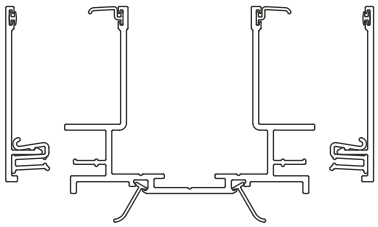
Trns, Tile-Tile, 1 Slot, Std
119-1444
(See Section 8)



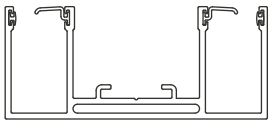
Rail Splice, Vertical
119-1445
(See Section 9)



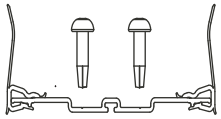
Rail, Starter w/Trim, 3Chnl, 2.5"
119-1446
(See Section 5)



Rail, End of Run, 3Chnl, 1.5"
119-1447
(See Section 9)



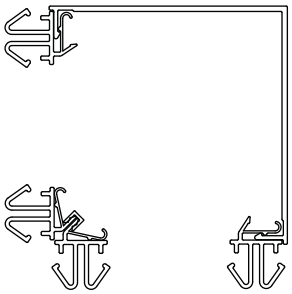
Compressible Seal Kit
119-1448
(See Section 9)



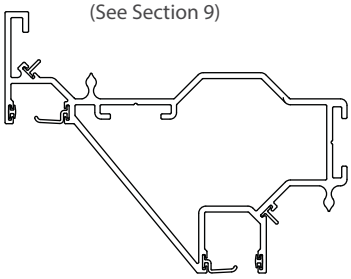
Intersection, Inline, Cv Kit, w/ACO, 5"
119-1449
(See Section 9)



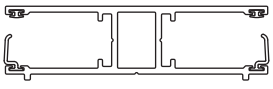
Intersection, 2 Way 90, Cv Kit
119-1450
(See Section 9)



Intersection, 2 Way 90, Mitre
119-1451
(See Section 9)



Intersection, 3 Way 90, 1Chnl
119-1452
(See Section 9)



Cap, Otr Chnl
119-1464
(See Section 12)



Cap, Ctr Chnl
119-1465
(See Section 12)



Cap, w/ Chnl Seal, Otr-Ctr Chnl
119-1466
(See Section 12)



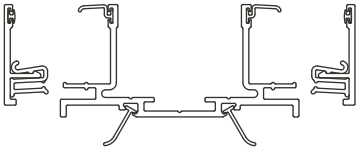
Cap, w/ Chnl Seal, Ctr Chnl
119-1467
(See Section 12)



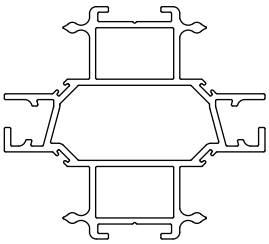
Intersection, Inline, Cv Kit, No ACO. 5”
119-1468
(See Section 9)



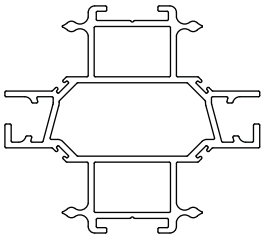
Rail, Starter w/Trim, 3Chnl, 1.5”
119-1484
(See Section 5)



Trns, Tile-Tile, 2 Slot, Ntch
119-6870
(See Section 8)



Trns, Tile-Tile, 2 Slot, Std
119-6871
(See Section 8)



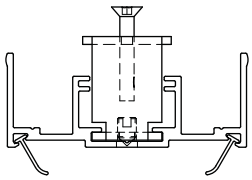
Intersection, Inline, Cv Kit, w/ACO, 3.5”
120-5310
(See Section 9)



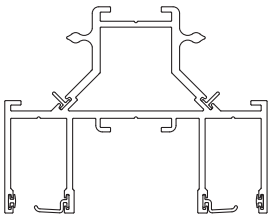
Intersection, Inline, Cv Kit, No ACO, 3.5”
120-5311
(See Section 9)



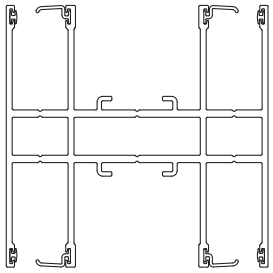
Rail, Starter, Dr Fr, 3Chnl
120-5312
(See Section 5)



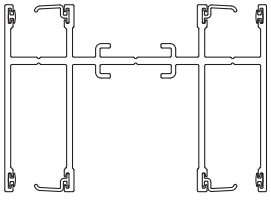
Trns, Tile-3Chnl, 3.5”
121-7862
(See Section 8)



Post, Inline, 3Chnl, 3.5”
121-7863
(See Section 8)

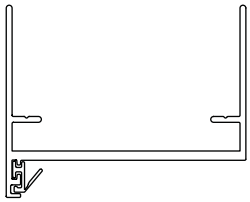


Rail, Trnsm, 3Chnl, 2.5”
122-4724
(See Section 8)

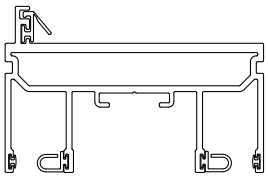


Profiles

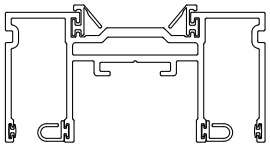
Rail, Header, Pivot Door
(See Section 13 or 15)



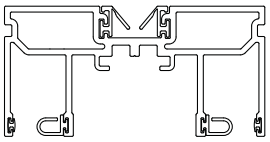
Rail, Jamb, Pivot Door
(See Section 13 or 15)



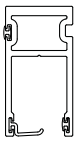
Rail, Jamb, Sliding Door
(See Section 16)



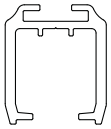
Rail, Jamb, Sliding, GLSB Door
(See Section 14)



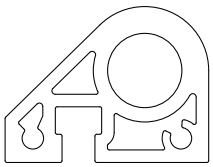
Rail, Pocket Vert, Sliding Door
(See Section 14 or 16)



Track, Sliding Door
(See Section 14 or 16)



Pivot Rail, Pivot, GLSB Door
(See Section 13)



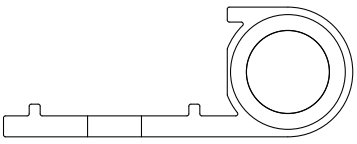
Mounting Rail, Pivot, GLSB Door
(See Section 13)



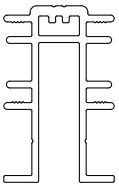
Cover Rail, Pivot, GLSB Door
(See Section 13)



Pivot Rail, Pivot, Door
(See Section 15)



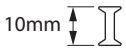
Door Rail, Sliding, GLSB Door
(See Section 14)



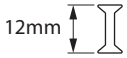
Door Rail Cover, Sliding, GLSB Door
(See Section 14)



Glazing Connector, Inline, 10mm
119-1454
(See Section 11)



Glazing Connector, Inline, 12mm
119-1455
(See Section 11)



Glazing Connector, 2 Way 90
119-1456
(See Section 11)



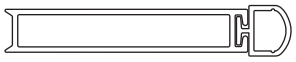
Glazing Connector, 2 Way Vara
119-1457
(See Section 11)



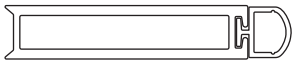
Glazing Connector, 3 Way 90
119-1458
(See Section 11)



Glazing Connector, 3 Way Brdg, 10mm
119-1461
(See Section 11)



Glazing Connector, 3 Way Brdg, 12mm
119-1462
(See Section 11)



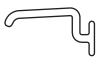
Glazing Connector, 3 Way Vara, 10mm
119-1459
(See Section 11)



Glazing Connector, 3 Way Vara, 12mm
119-1460
(See Section 11)



Chnl Seal, Insert
119-1463



Chnl Pad, Insert
119-1480





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