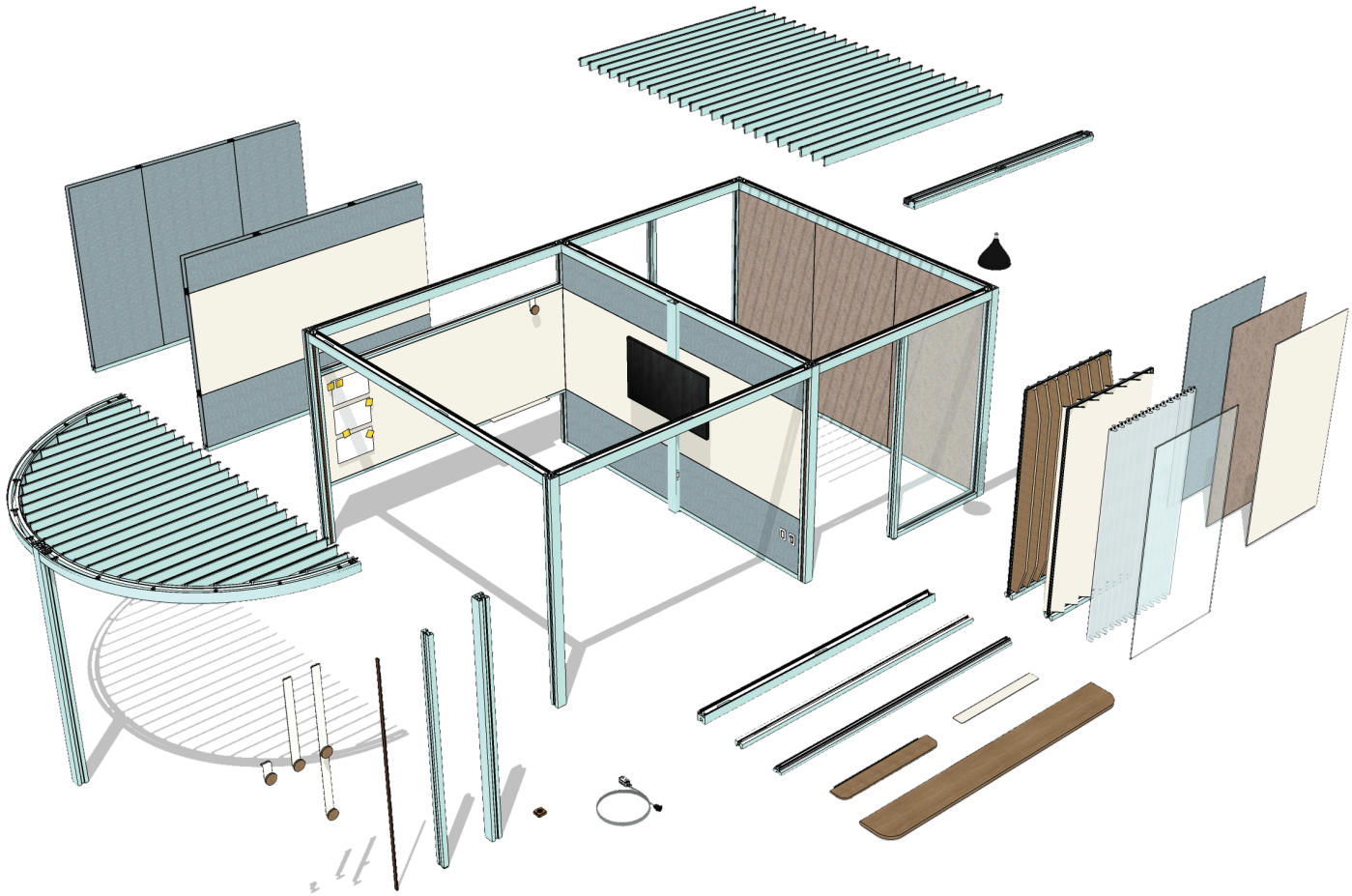
HAWORTH®

Pergola®

Installation Manual – October 2024

Revision: 3.0

Part Number: PT15-7100



Thank you for choosing PERGOLA® by Haworth.

Pergola is a single platform solution of sub-architectural spaces where people can get away to focus, connect, or collaborate. Through a spectrum of framing, tiles, infills, ceiling components, lighting, and power solutions, Pergola offers a broad range of space and room solutions that are scalable in performance, price, and application. Pergola follows dimensional logic without complexity, providing a series of bundled room solutions with a collection of individual parts and pieces that allow designers to easily specify their room size, degree of enclosure, functions, and finishes. It complements base building architecture with simple planning that adapts to the floor plate without the permanence of construction.

INSTALLATION

This guide covers the installation methods for most Pergola applications, however, due to the versatility of the product, some applications may not be shown. In order to ensure a successful installation, review the product layout and this guide in its entirety before starting the installation. Please contact a Haworth Regional Technical Representative or Sales Engineering if additional support is required.

SEISMIC APPLICATIONS AND STABILITY

Pergola has been designed for structural stability in areas subject to seismic hazards. Depending on the severity of the seismic hazard, the installation may require anchorage to the floor and reinforcement components at the structural joints. In the most severe conditions, the allowable configurations of Pergola may be limited. This is determined systematically during the product specification process by identifying the geographic location and the designated occupancy category of the building in which the product will be installed. From this information the seismic data provided by the United States Geological Survey (USGS) and the National Building Code of Canada are used to ensure the product specified will be structurally stable.

In addition, Pergola configurations are systematically reviewed during the product specification process to determine if the structure is at risk of overturning potential per applicable building codes. In some conditions, anchorage to the floor or reconfiguration of the Pergola may be required to eliminate the risk.

For existing installations, before making any changes to the configuration, the components attached to, or the install location of Pergola product, always consult with a Haworth dealer to review the structural stability of the intended changes.

COMPLIANCE

Pergola is considered a free-standing, nonstructural, architectural component subject to applicable building codes and authorities having jurisdiction.

As needed to ensure the safety of people and property, it is the responsibility of the product owner to:

1. Accurately specify of the geographic location and the occupancy category of the building where the product will be installed,
2. Install or reconfigure the product in accordance with Haworth's required components published product rules and installation instructions.
3. Comply with applicable building codes and the requirements of all authorities having jurisdiction,
4. Seek the guidance of engineering professionals licensed in the jurisdiction of construction.

5. Channels within the Pergola product are not to be used for routing extension cords.

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Section 1 - Safety

Safety Precautions

PERSONAL PROTECTIVE EQUIPMENT

Steel-toed shoes, cut resistant gloves, and safety glasses are recommended to be worn during the installation of this product. In addition, when handling glass, cut resistant arm sleeves are recommended.

RISK OF INJURY

DO NOT hang from, stand on, or otherwise use Pergola structures or components to support a person's body weight in any way. Risk of injury from falling may occur.
Use **CAUTION** when working with overhead components to avoid risk of injury from falling objects.
ALWAYS use **OSHA** approved ladders or scaffolding to access overhead components.
Use **CAUTION** when handling heavy and/or large components and assemblies. When needed, use multiple people, lift or support equipment, and proper lifting techniques to reduce the risk of injury from strain or impact.

POWER

Connection to the permanent wiring of the building **MUST** be performed by a licensed electrician, who must control the size, voltage drop, and loading of each branch circuit. The person or group installing the product is responsible for complying with all **NEC** and local code requirements.
Power to all branch circuits **MUST** remain disconnected during installation or removal of electrical components and covers to avoid shock hazards.
DO NOT electrically interconnect modular power distribution systems powered from two different power feed units. This poses a shock hazard to service personnel and will cause a risk of fire due to excessive circulating currents.

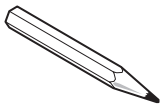
GLASS

Suction cup lifting handles are recommended when handling glass.
When storing or handling glass **ALWAYS** keep the glass edges in a vertical position relative to the ground or floor. **NEVER** store or handle the glass horizontally due to risk of breakage.
ALWAYS set the glass on soft or padded surfaces such as cardboard, carpet (or fabric), wood, rubber or plastic. **NEVER** set the glass on hard surfaces such as metal, gravel, or concrete.
ALWAYS set the glass down on smooth, even surfaces so the weight is evenly distributed along the glass edge. Excessive pressure on glass edges may cause breakage.

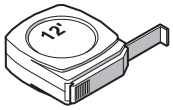
Section 1 - Tools

Tools Required

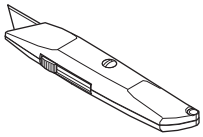
Pencil



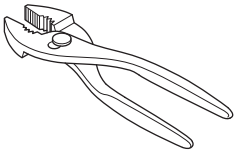
Tape Measure



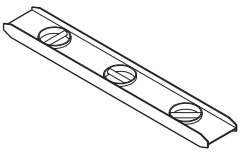
Utility Knife



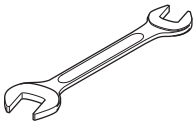
Pliers



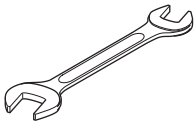
Level



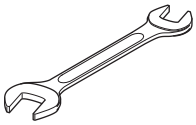
3/8" Wrench



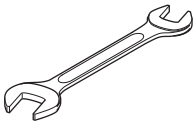
7/16" Wrench



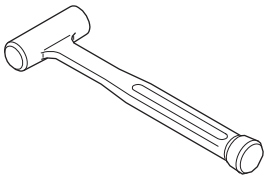
1/2" Wrench



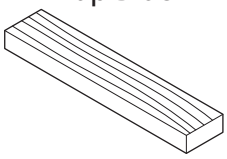
9/16" Wrench



Hammer



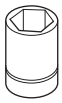
Tap Block



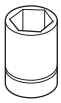
7/16" Socket



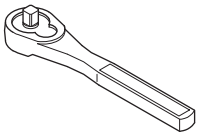
1/2" Socket



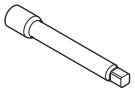
9/16" Socket



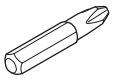
Ratchet Wrench



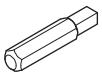
Long Extension



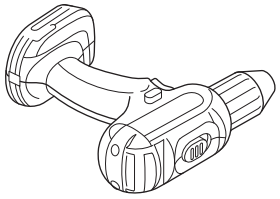
#2 Phillips Bit Driver



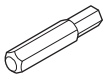
#2 Square Bit Driver



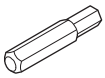
Cordless Drill



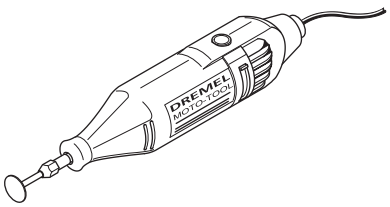
1/8" Hex Bit Driver



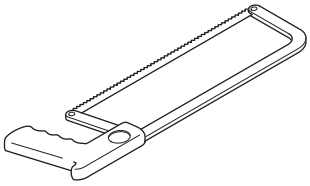
3/16" Hex Bit Driver



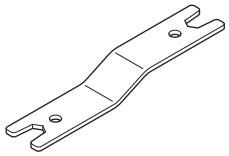
Dremel Tool



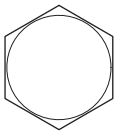
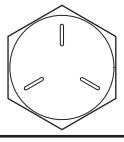
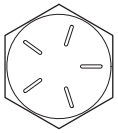
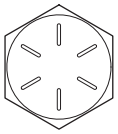
Hacksaw

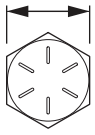
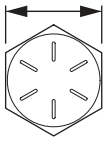
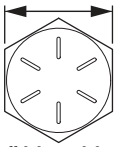


Glide Tool



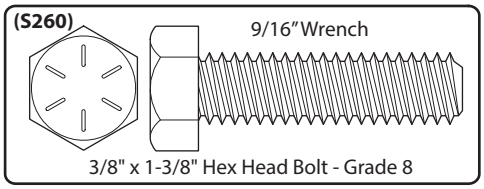
WARNING: ALWAYS USE THE PROPER BOLTS THAT ARE SENT TO ASSEMBLE THE PRODUCT.

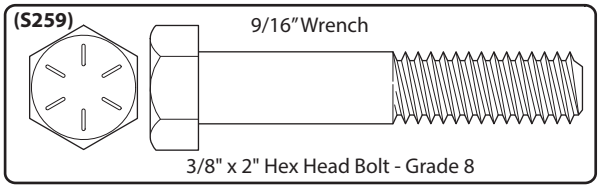
SAE Grade No.	Size Range	Tensile Strength	Bolt Markings
1	1/4 thru 1-1/2	60	
2	1/4 thru 3/4 7/8 thru 1-1/2	74 60	
5	1/4 thru 1 1-1/8 thru 1-1/2	120 105	
5.2	1/4 thru 1	120	
7	1/4 thru 1-1/2	133	
8	1/4 thru 1-1/2	150	
8.2	1/4 thru 1	150	

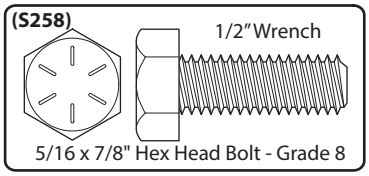
7/16″	1/2″	9/16″
		
1/4″ Hex Head	5/16″ Hex Head	3/8″ Hex Head

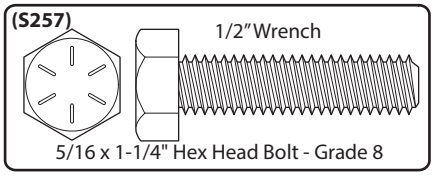
0 1/2 1
1/4 1/4

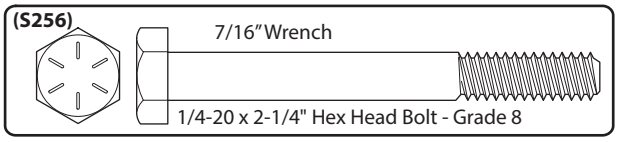
Scale 1 : 1

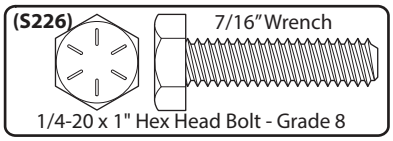












Section 1 - Prep

Pre-Installation Product Staging

Prior to beginning the installation, it is recommended to sort and stage the product by order of install to experience a faster, more orderly installation. Review the product labels on each box to determine the install group for that product and stage accordingly. The recommended order of install is per below:

A. Anchors and Main Frames

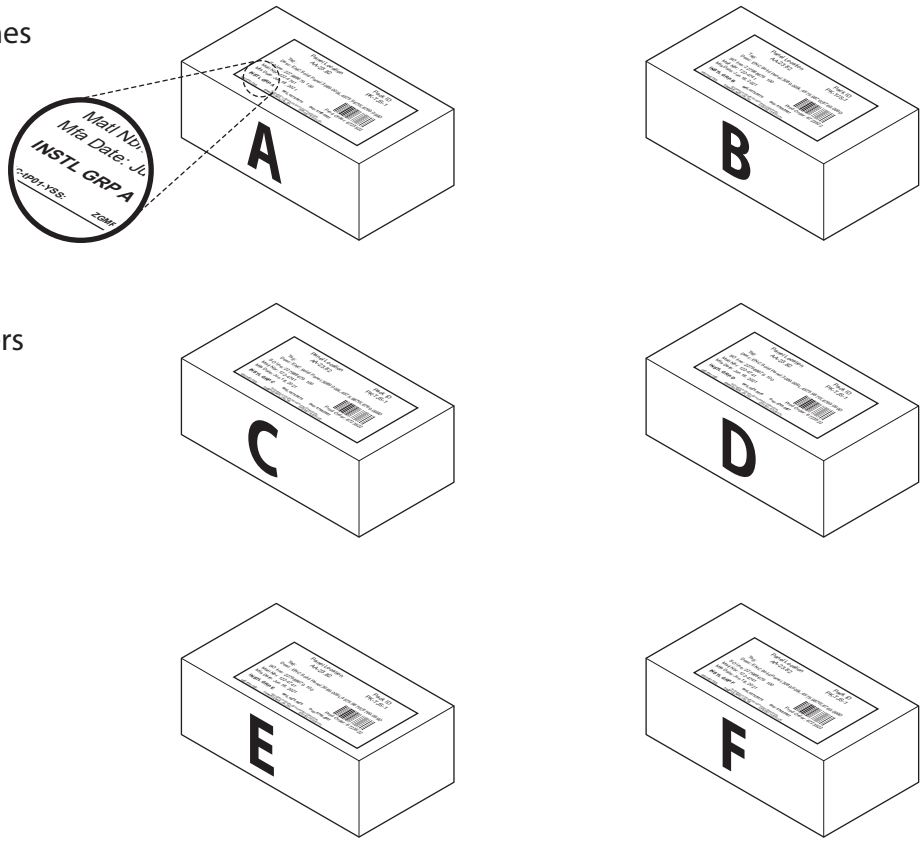
B. Infill Frames

C. Tiles and Electric

D. Infill and Caps

E. Ceilings and Tech Towers

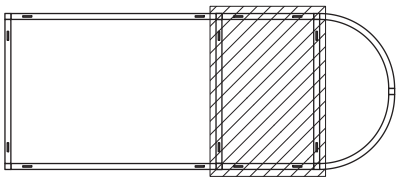
F. Accessories

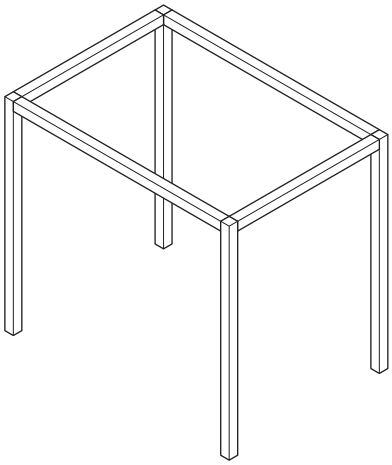


Pre-Installation Planning

When starting the installation it's important to assemble the smaller sections first. See the example below.

NOTE: Once the smaller section is assembled check position and readjust as needed per layout before proceeding to assemble the next section.



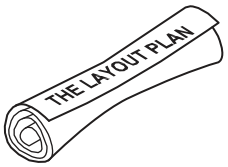


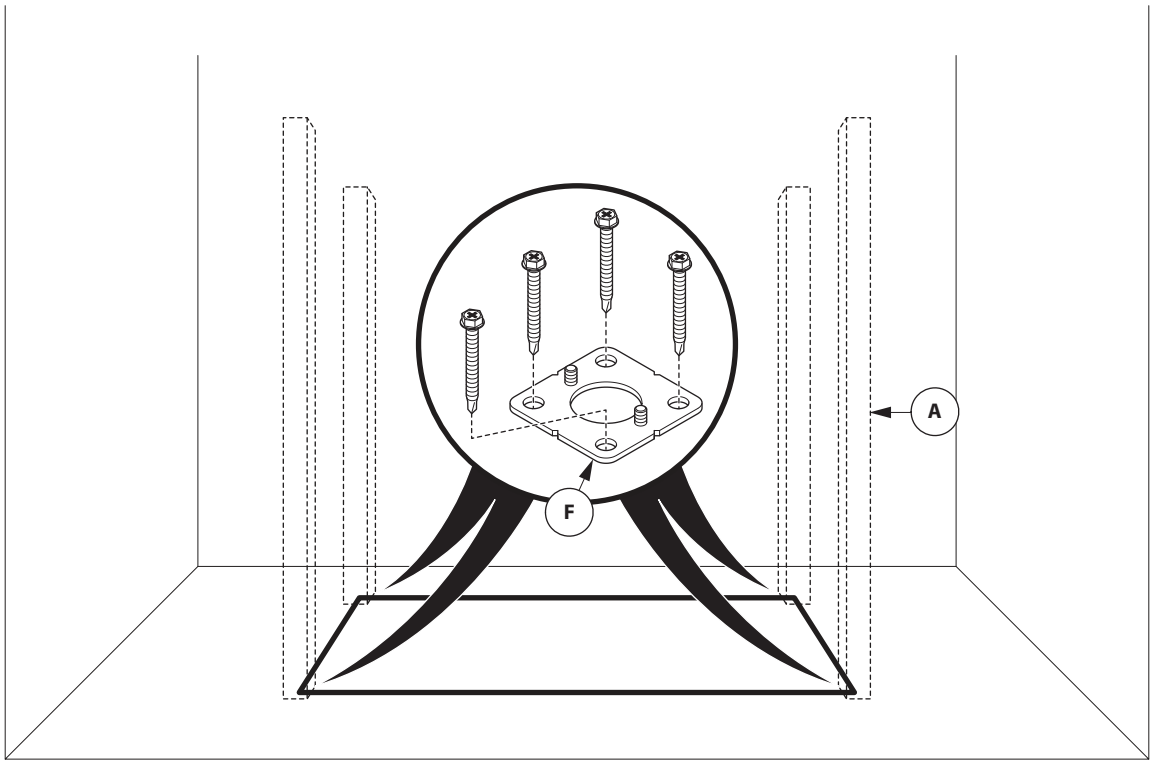
Section 2 - Main Frame

1 **If anchorage is required, start by locating post positions on floor and install brackets (F)**

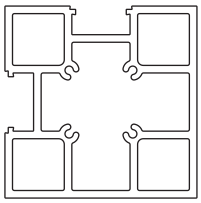
WARNING: Appropriate fasteners must be used to attach bracket(s) to floor. Fasteners are not provided by Haworth. Consult with the customer appointed engineer for fastener recommendations.

(LAYOUT PLAN)

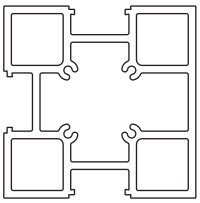




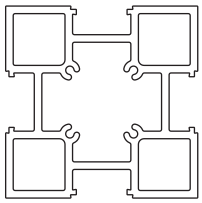
2-WAY POST



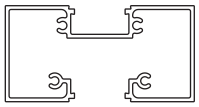
3-WAY POST



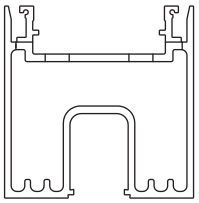
4-WAY POST

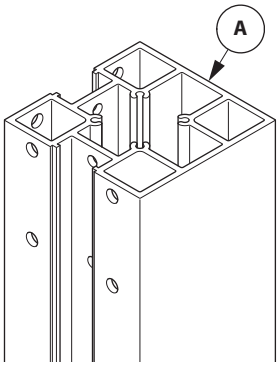


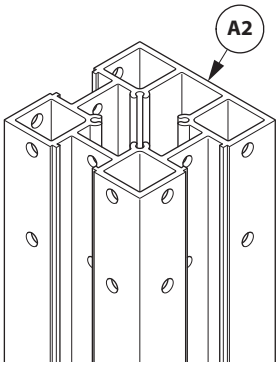
POST, UNDERBEAM EOR

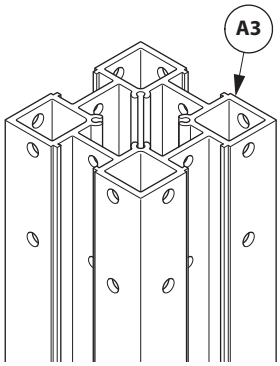


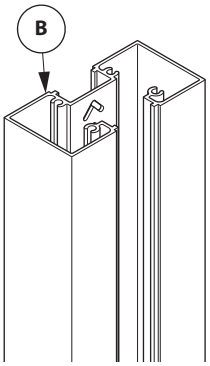
TOP FRAME RAIL

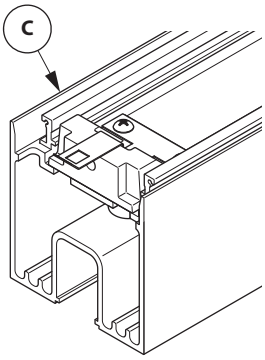


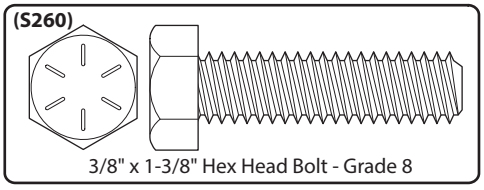


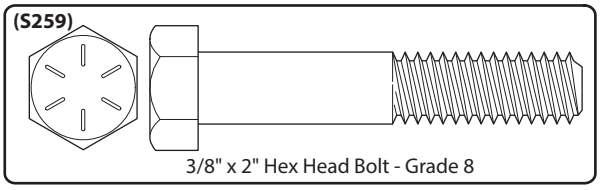


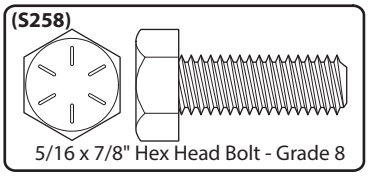


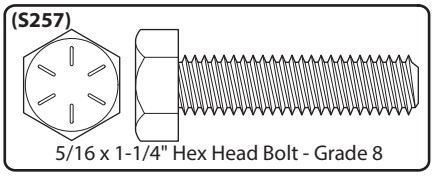


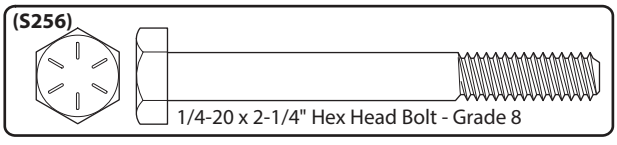


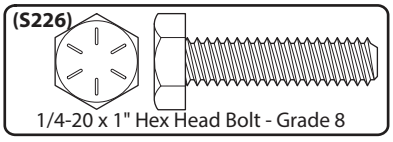




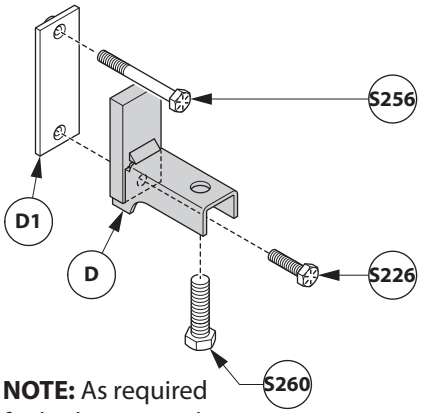




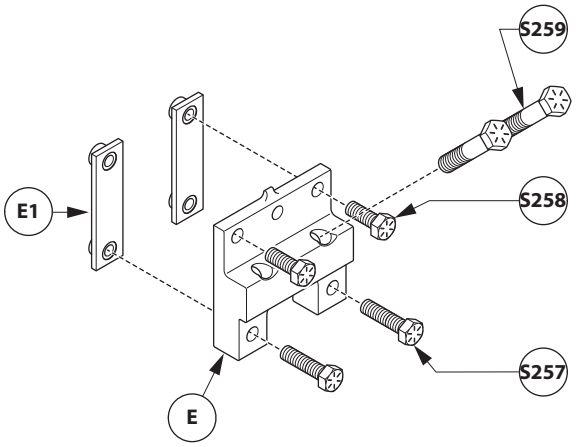




Joint Reinforement Bracket

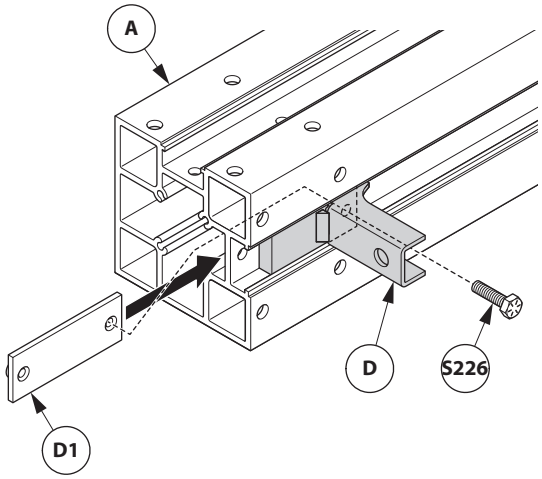


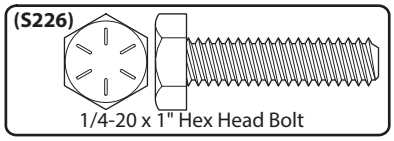
NOTE: As required for high structural load applications.



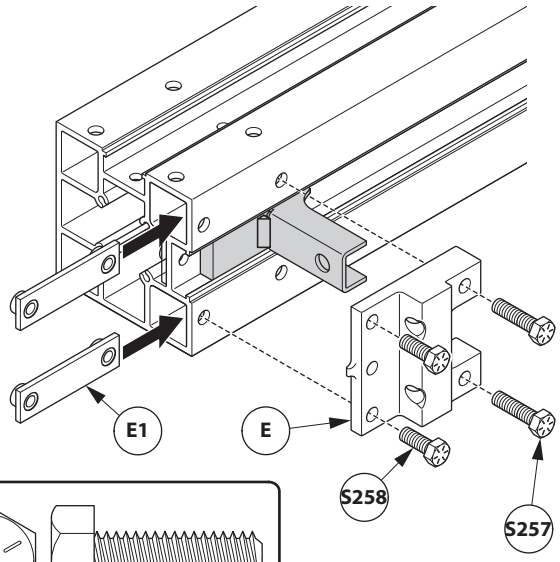
Main Frame - Reinforced Joint Application

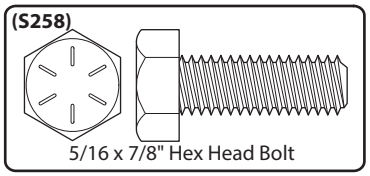
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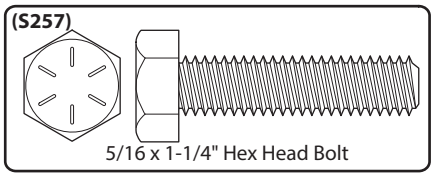




2



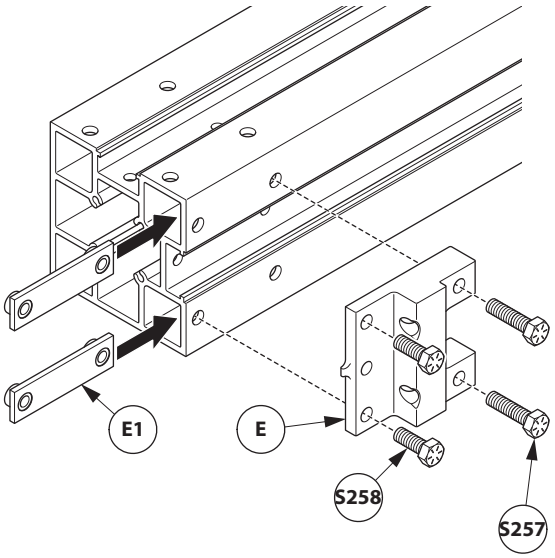


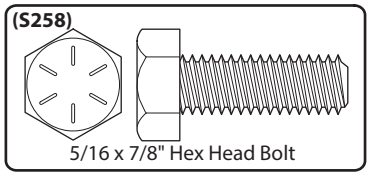


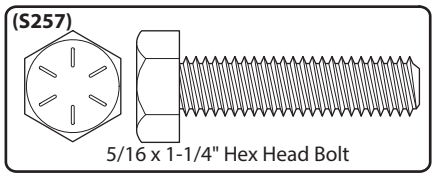
OR

Main Frame - Reinforced Joint Application

1



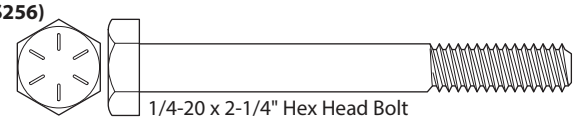




Main Frame Assembly

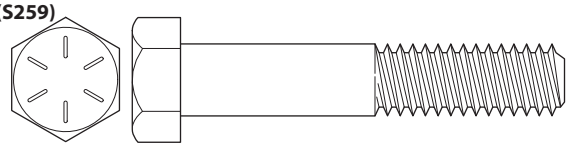
1

(S256)



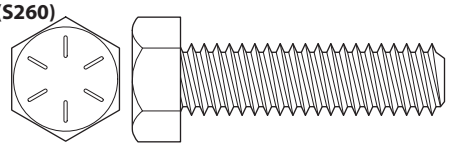
1/4-20 x 2-1/4" Hex Head Bolt

(S259)

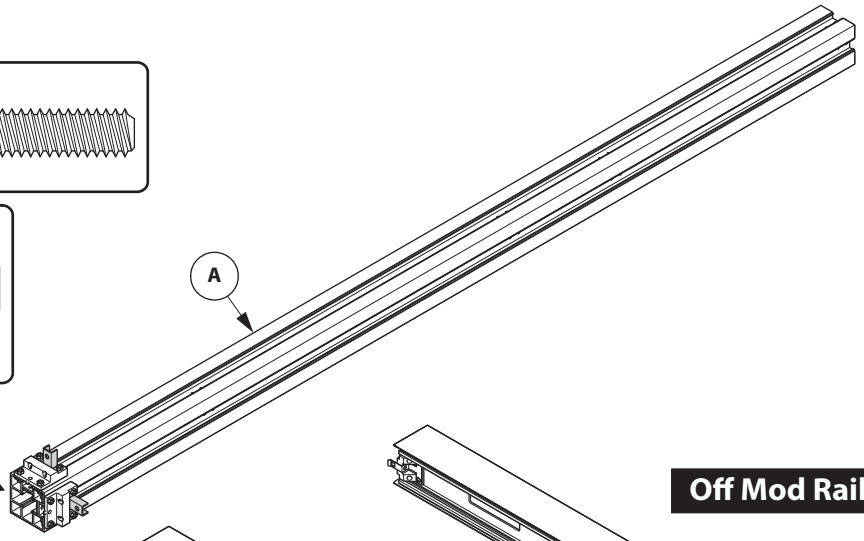


3/8" x 2" Hex Head Bolt

(S260)

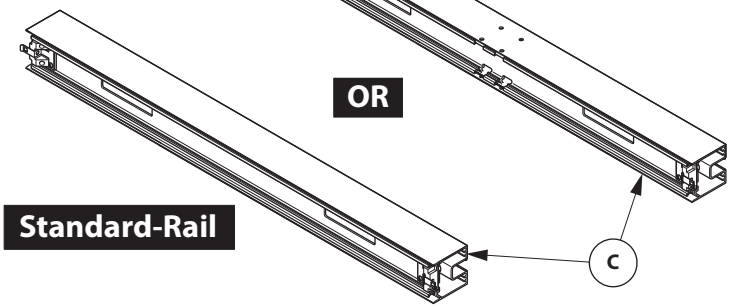


3/8" x 1-3/8" Hex Head Bolt - Grade 8



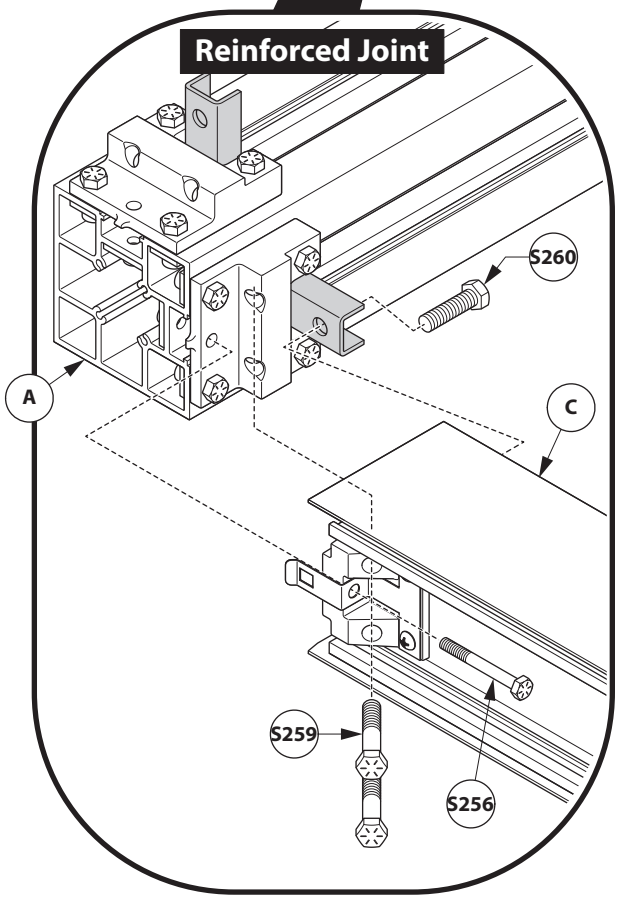
Off Mod Rail

OR



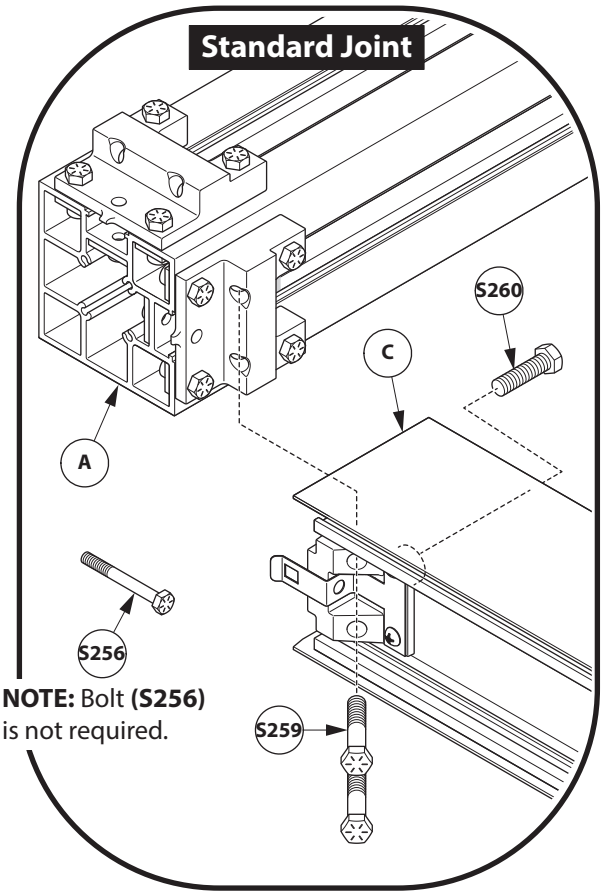
Standard-Rail

Reinforced Joint



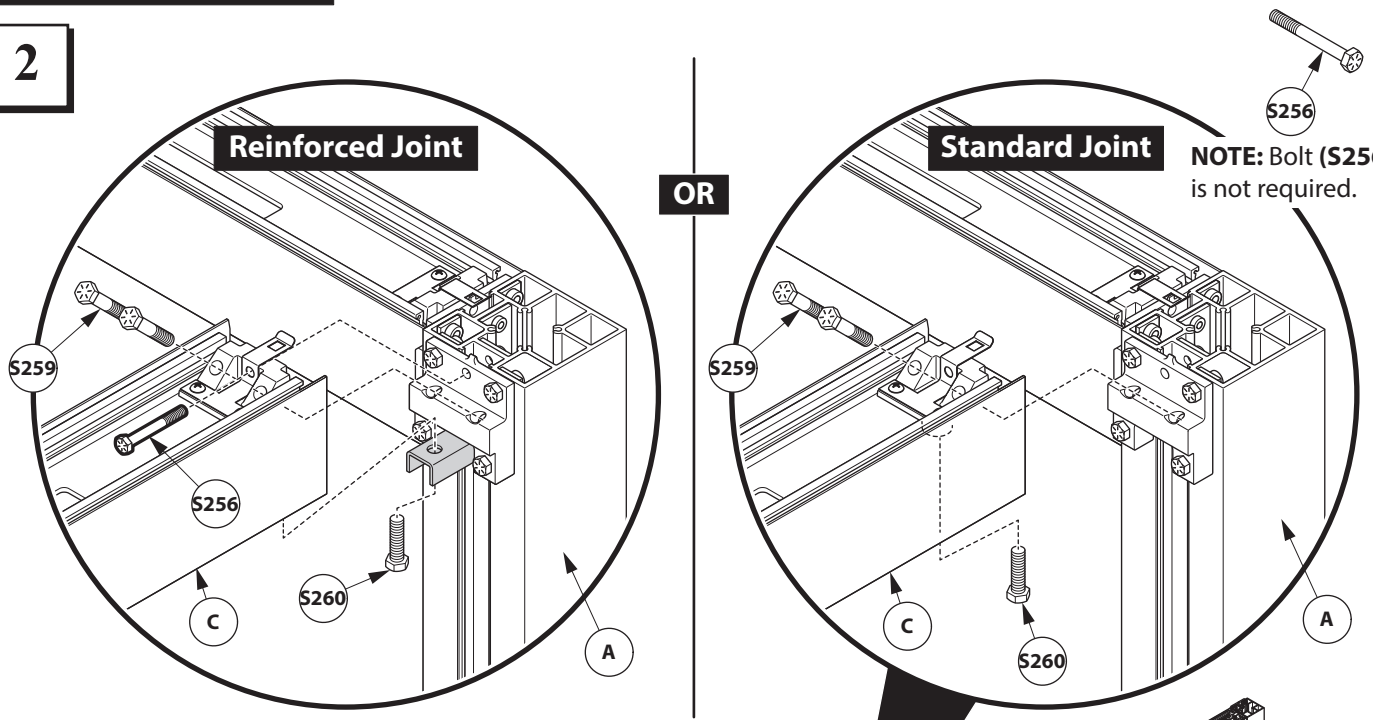
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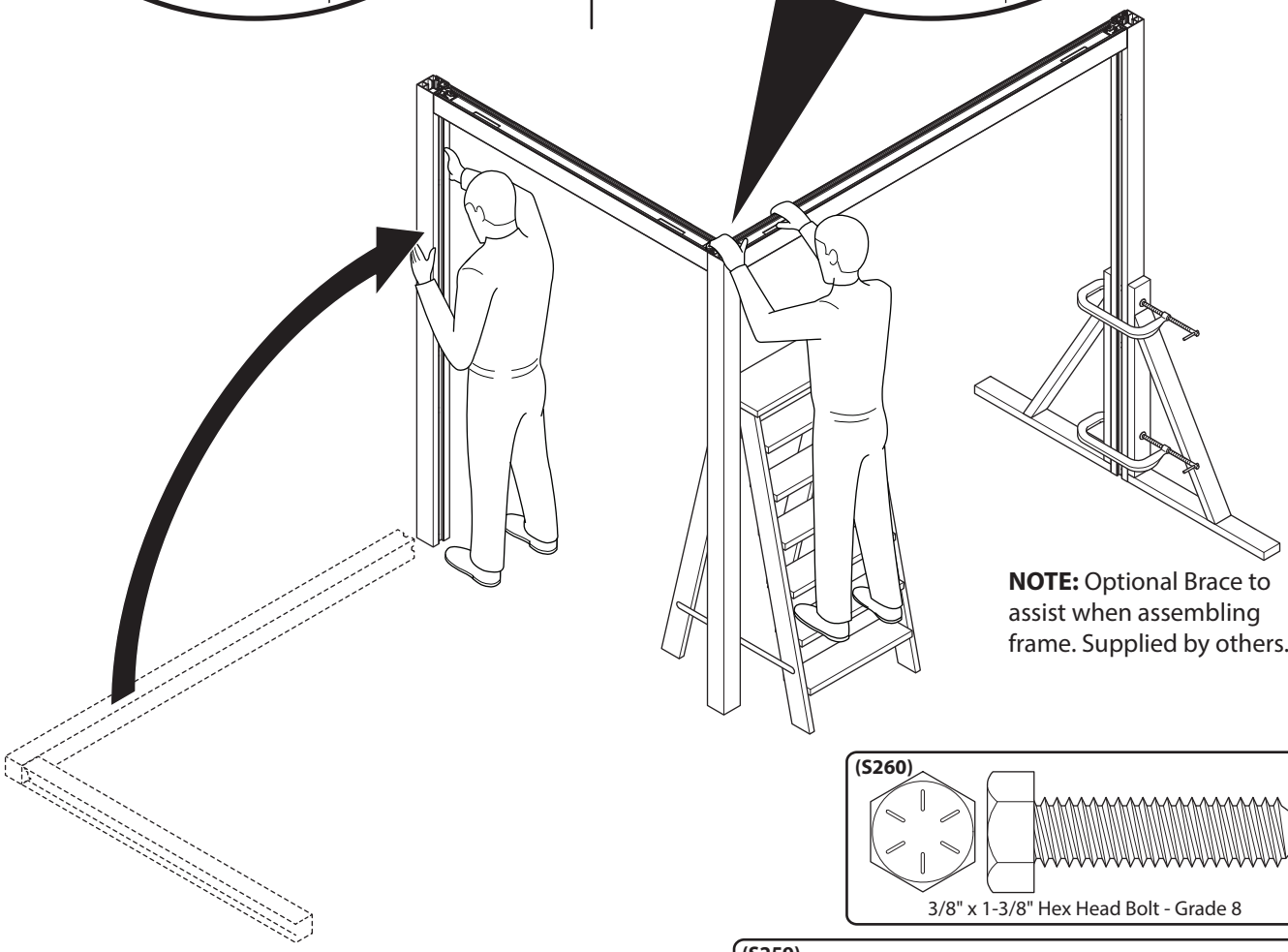
Standard Joint



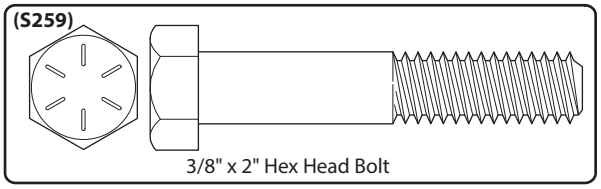
NOTE: Bolt **(S256)** is not required.

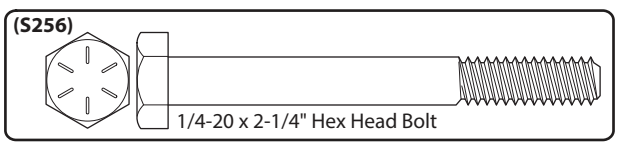
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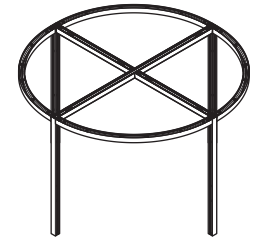


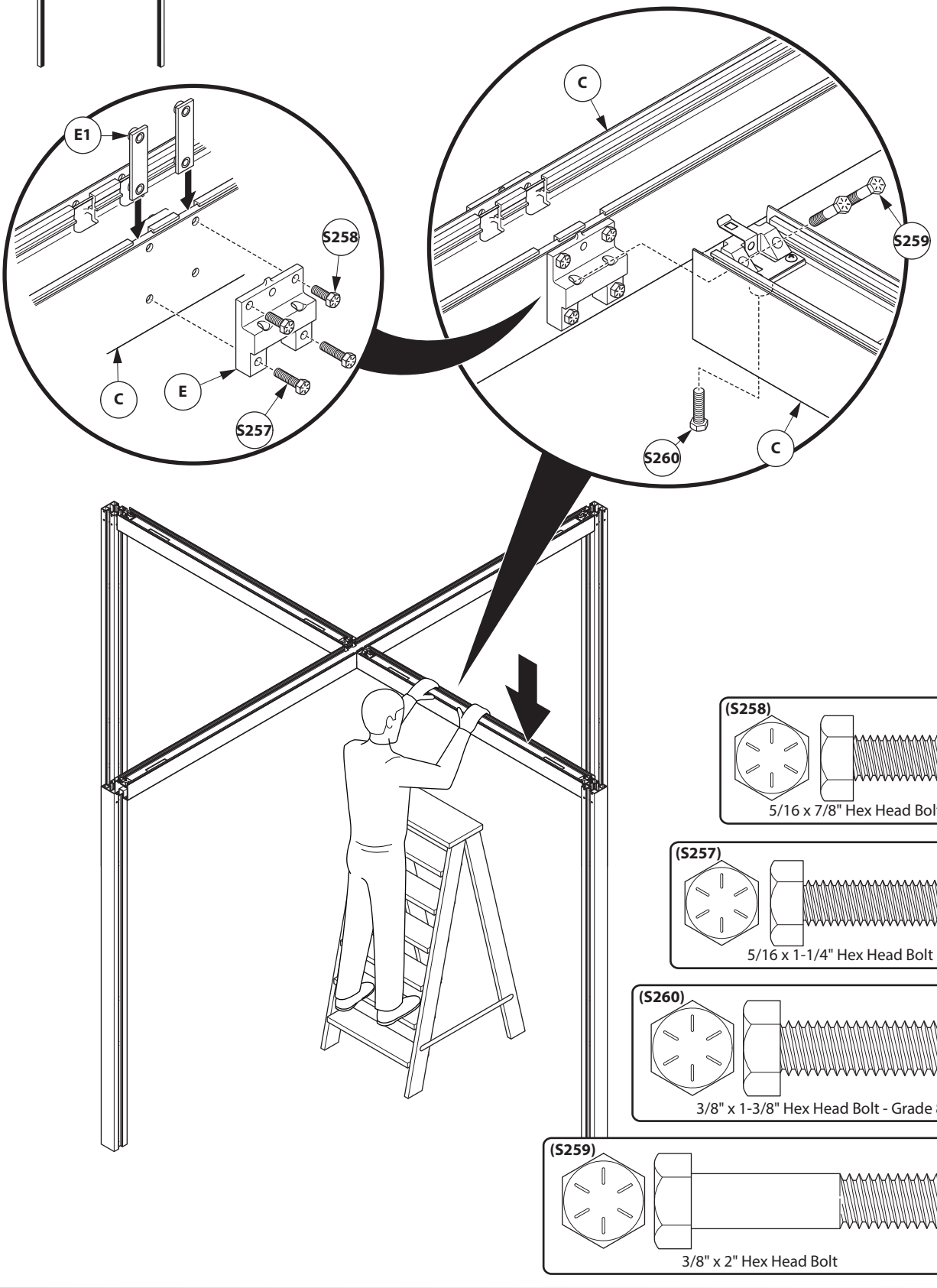
NOTE: Optional Brace to assist when assembling frame. Supplied by others.





3




E1
S258
C
E
S257
C
S259
S260
C

(S258)
5/16 x 7/8" Hex Head Bolt

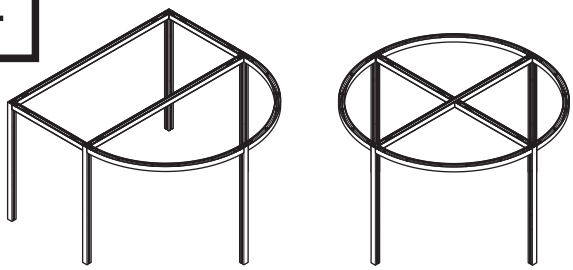
(S257)
5/16 x 1-1/4" Hex Head Bolt

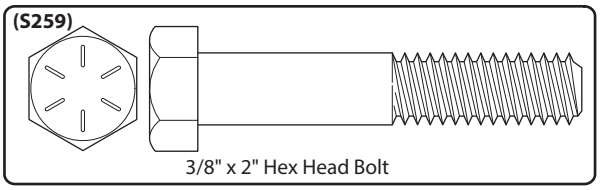
(S260)
3/8" x 1-3/8" Hex Head Bolt - Grade 8

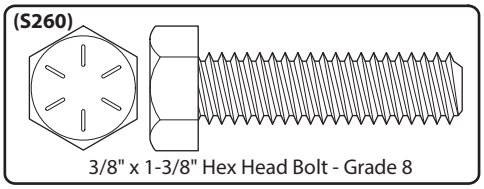
(S259)
3/8" x 2" Hex Head Bolt

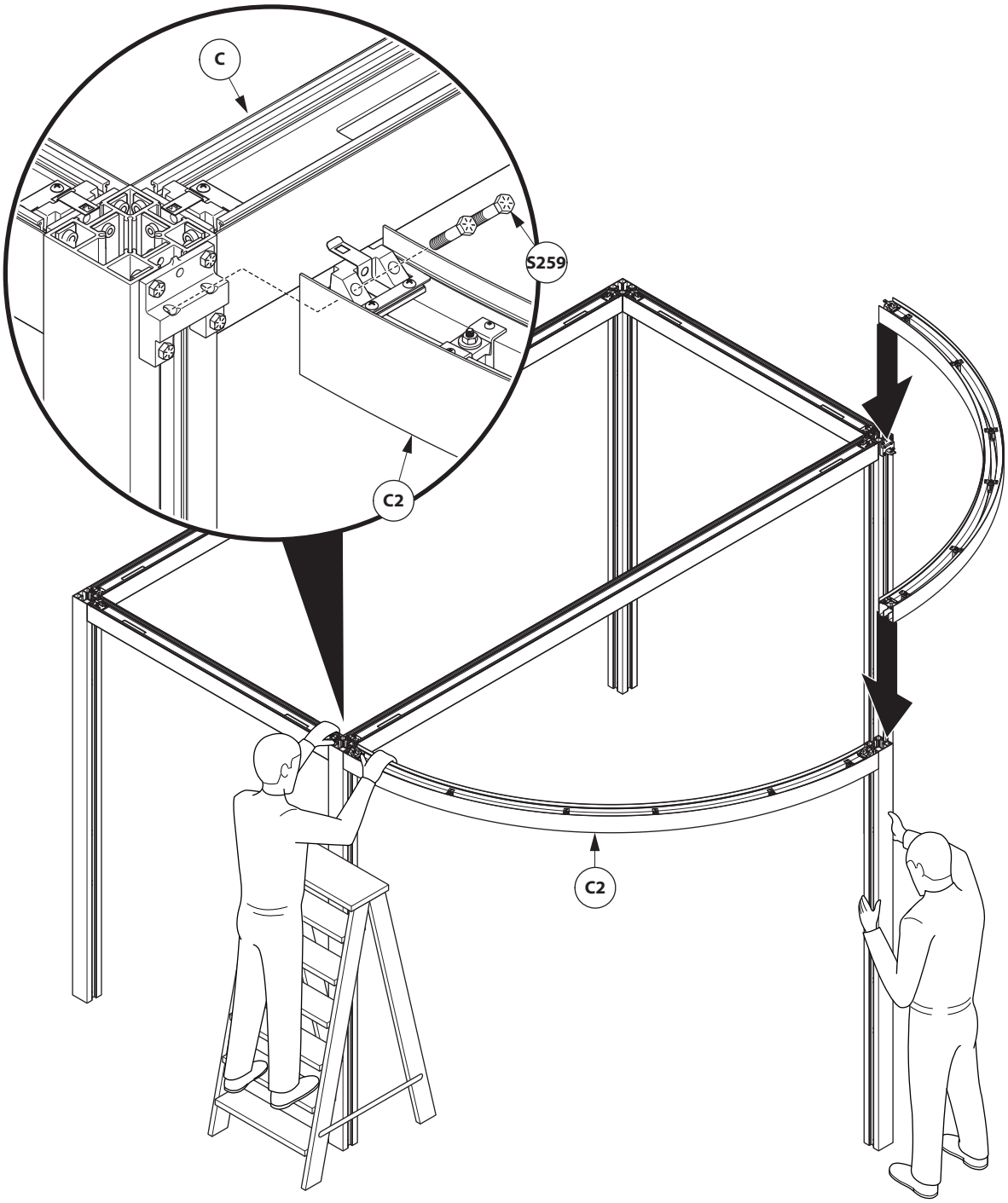
Main Frame Assembly - Round

4

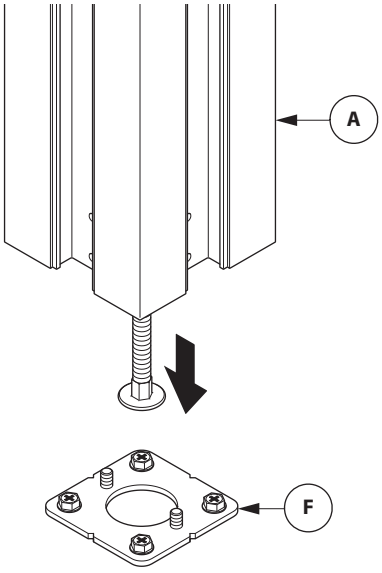






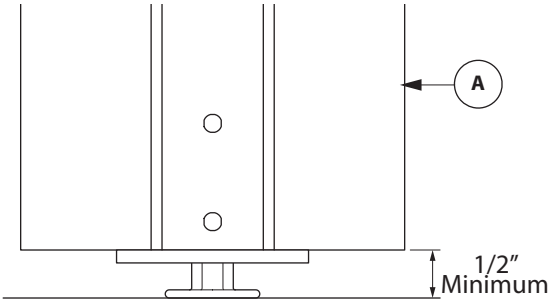


5

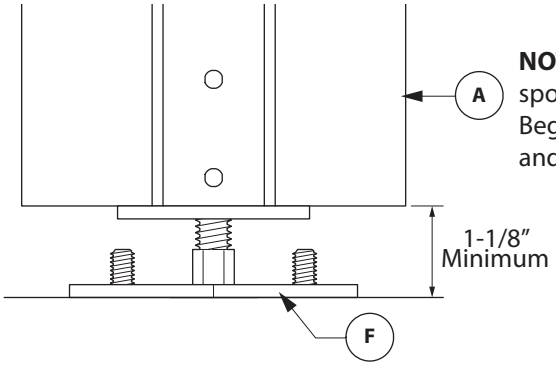


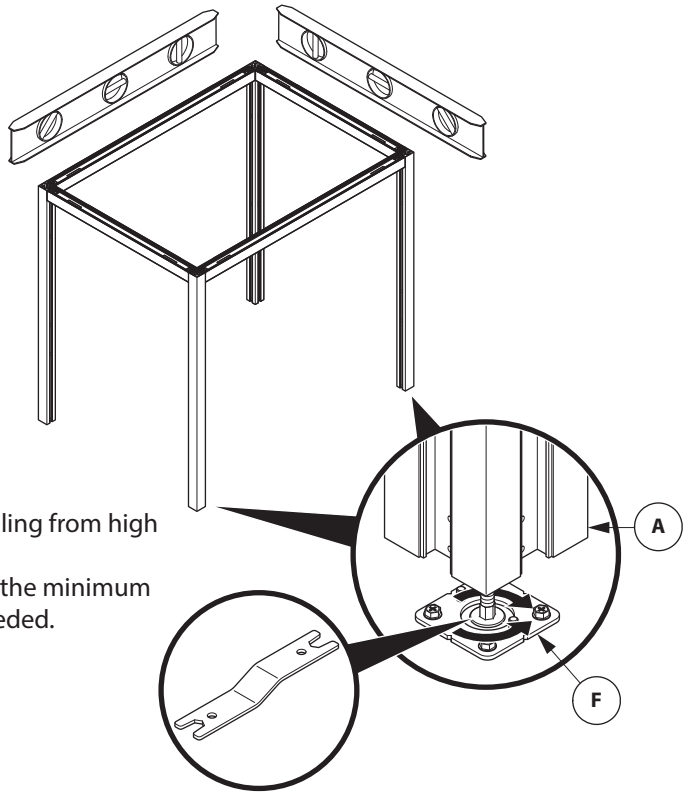
6

WITHOUT ANCHOR



WITH ANCHOR

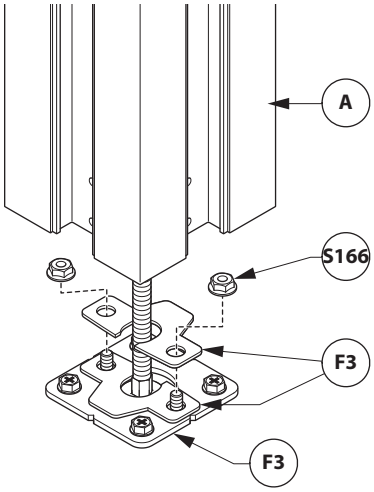


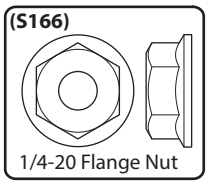


NOTE: Start leveling from high spot of floor.
Begin levelers at the minimum and adjust as needed.

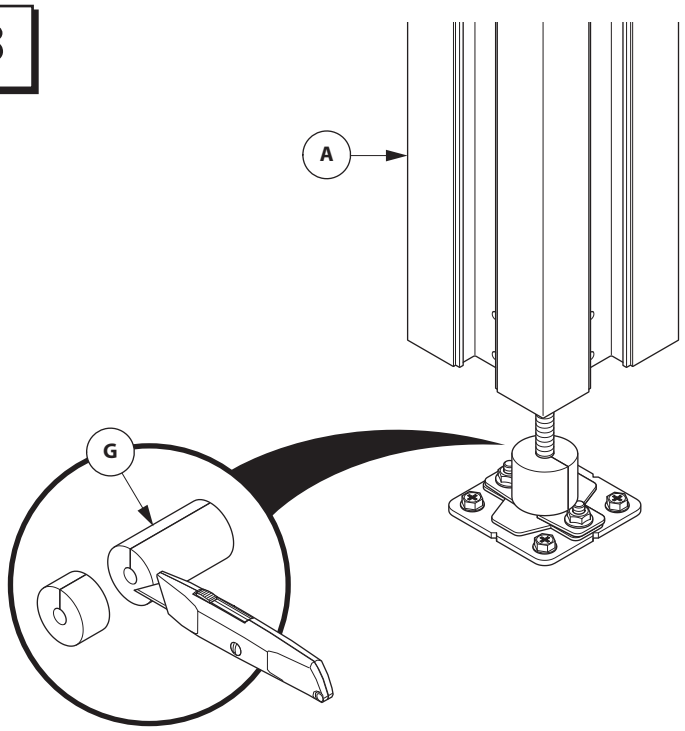
Floor Anchor

7

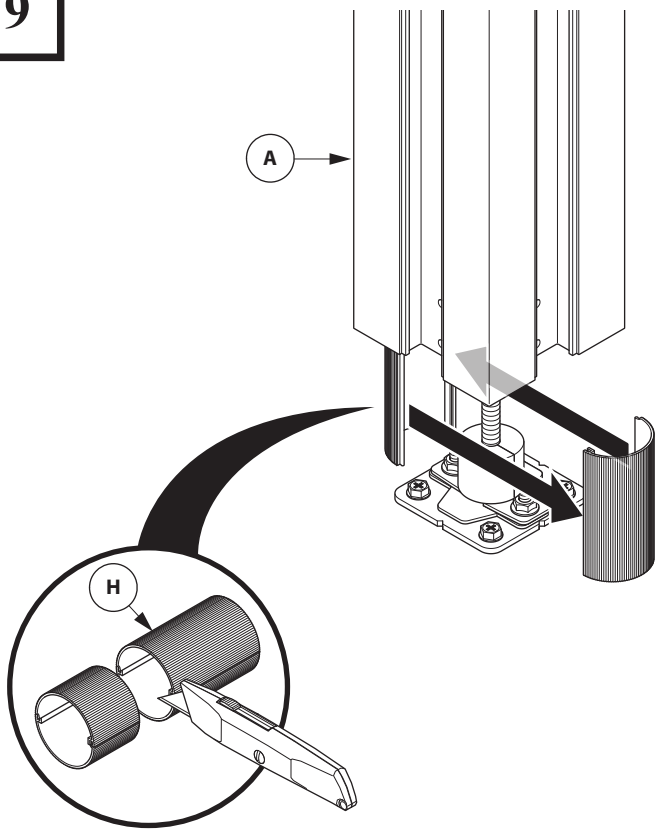




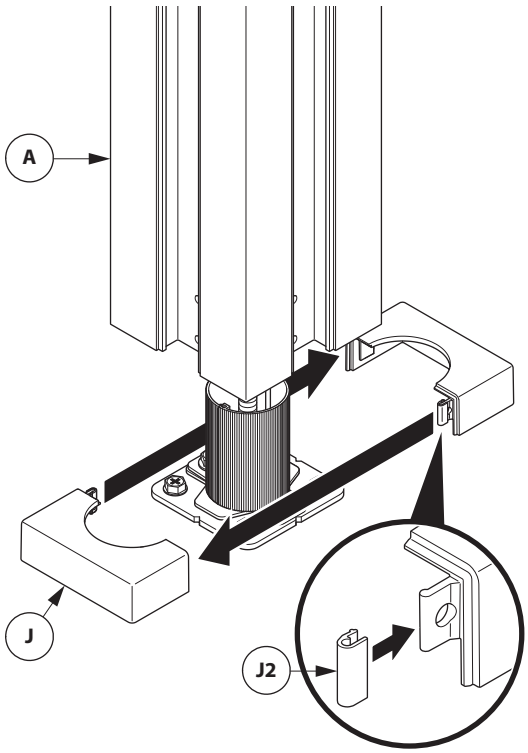
8



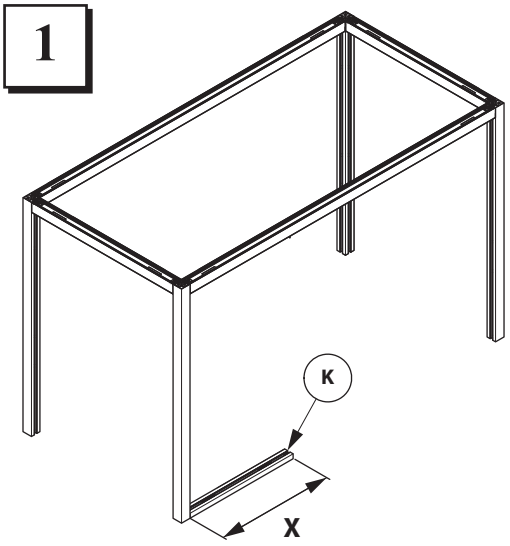
9

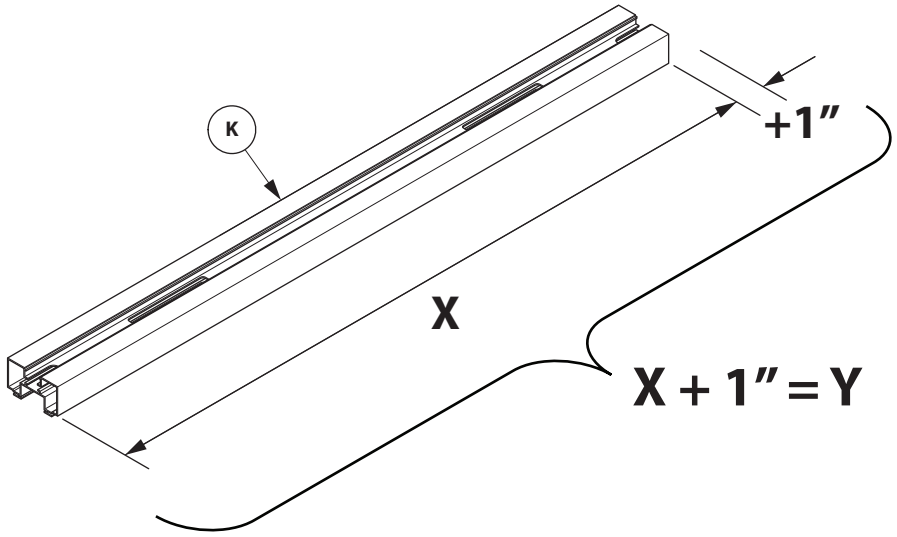


10

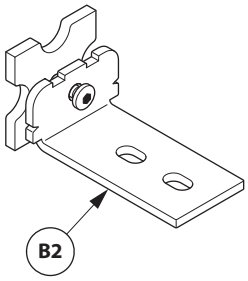


1

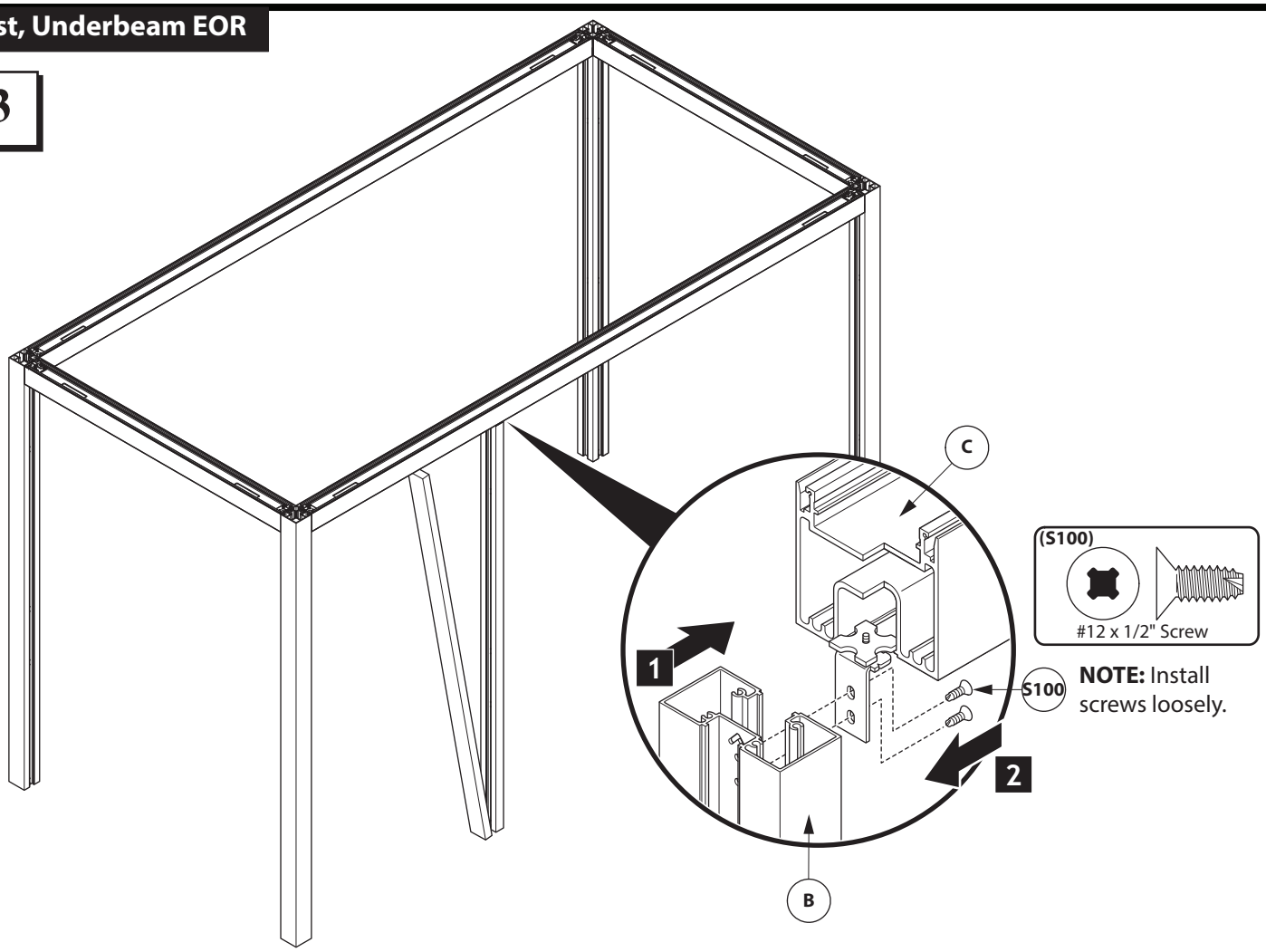




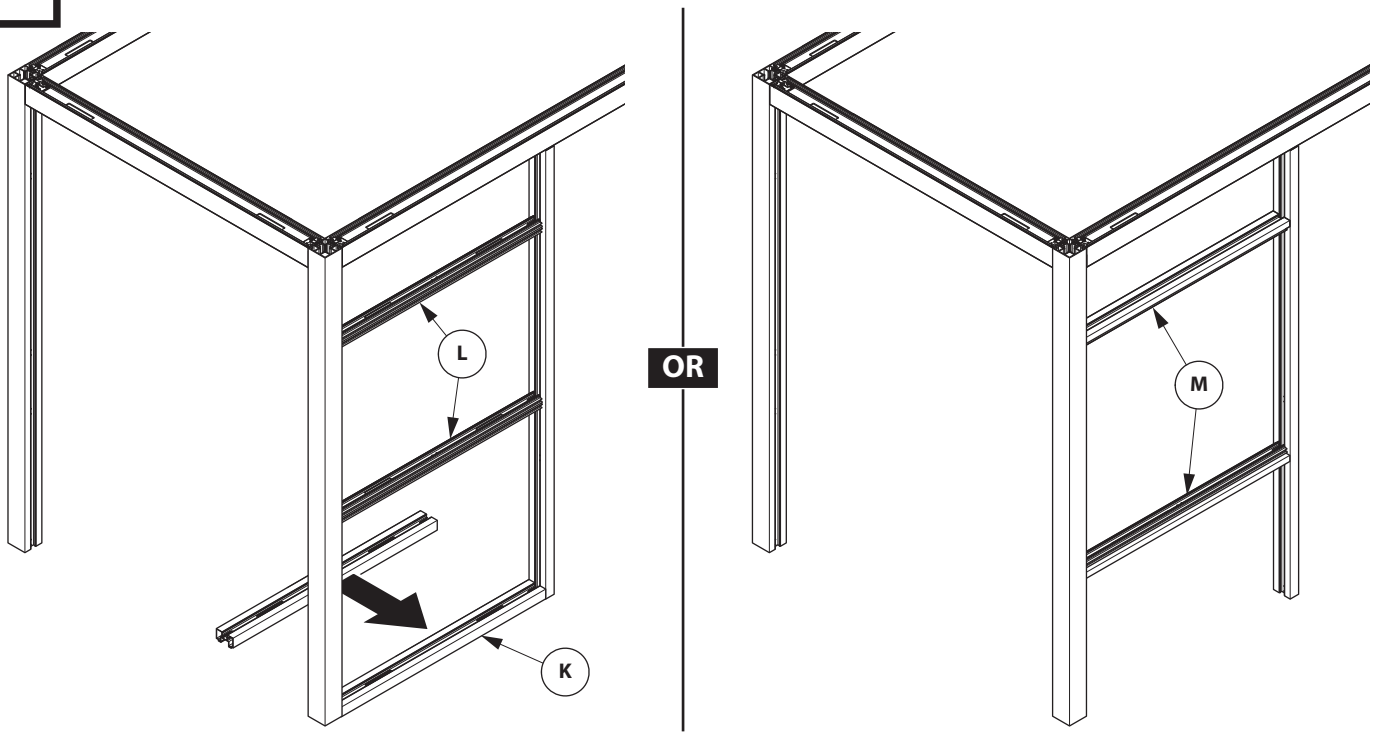
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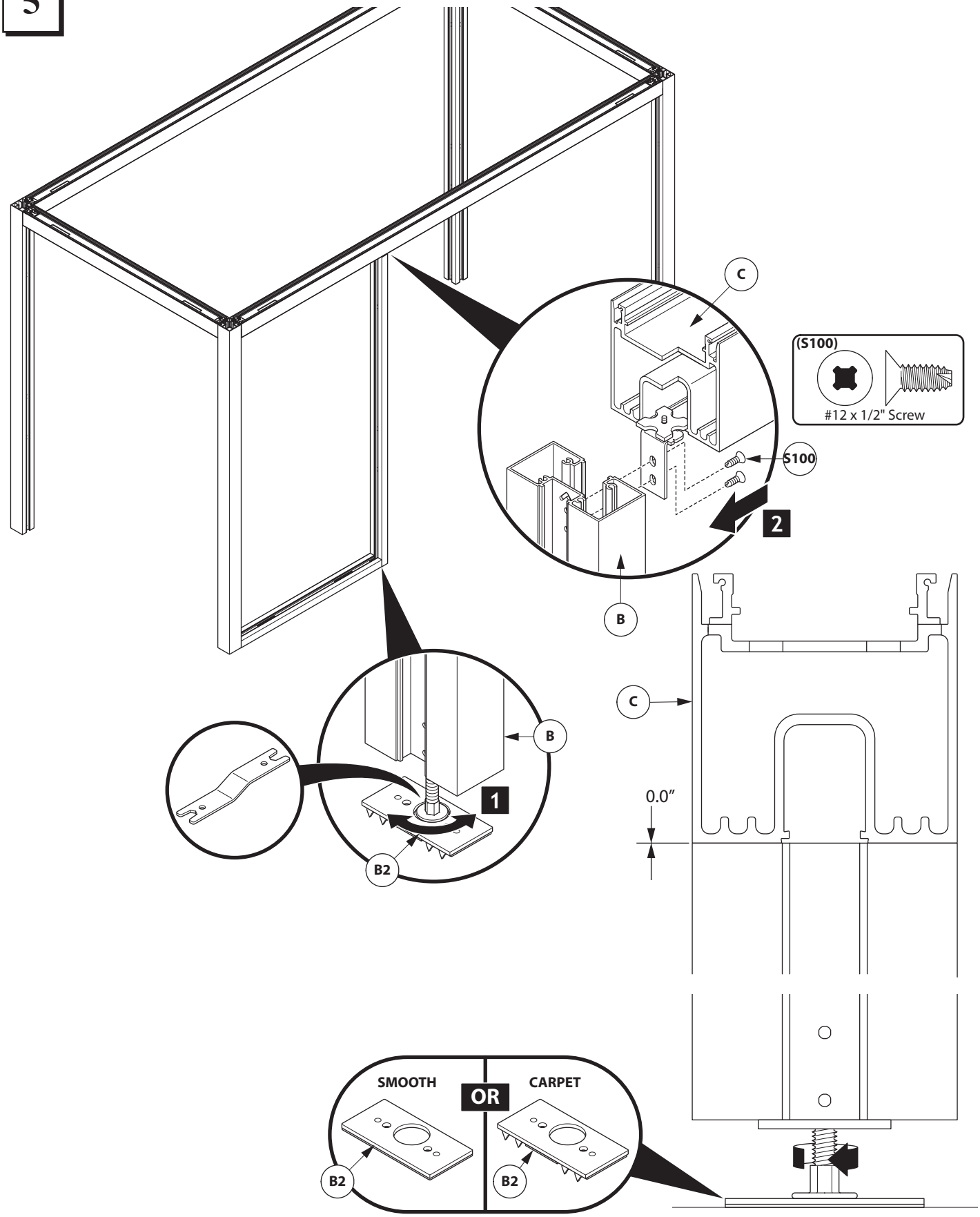
3



4 **Install all components to complete wall before next step (Refer to Section 3)**



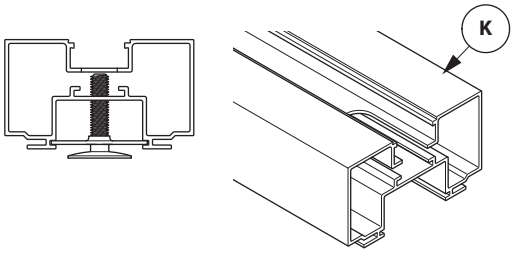
5 Install carpet gripper and secure post



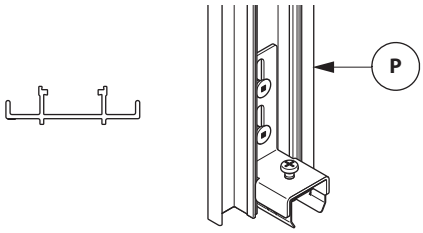
Section 3 - Insert Frames

Components

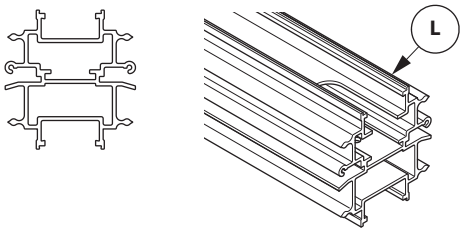
Bottom Rail - Standard



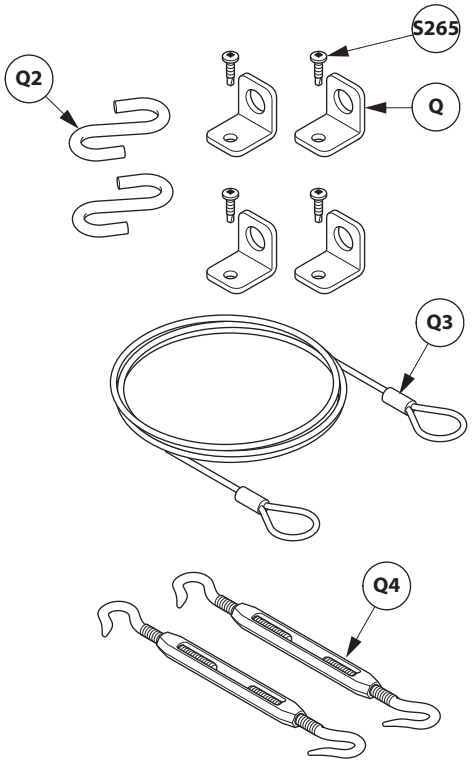
Centerbeam Tile Rail



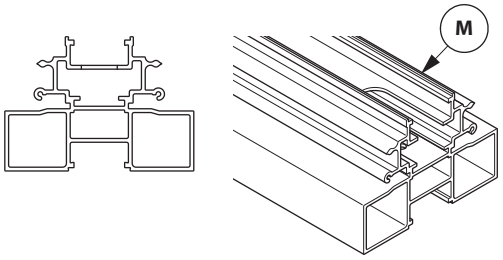
Horizontal Tile-Tile Rail



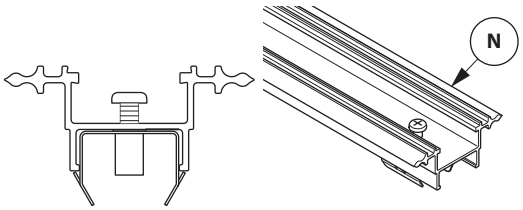
Horizontal Turnbuckle



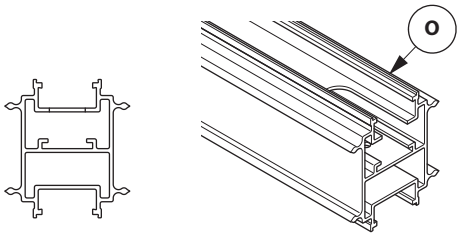
Horizontal Tile-Insert Rail

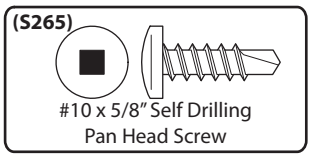


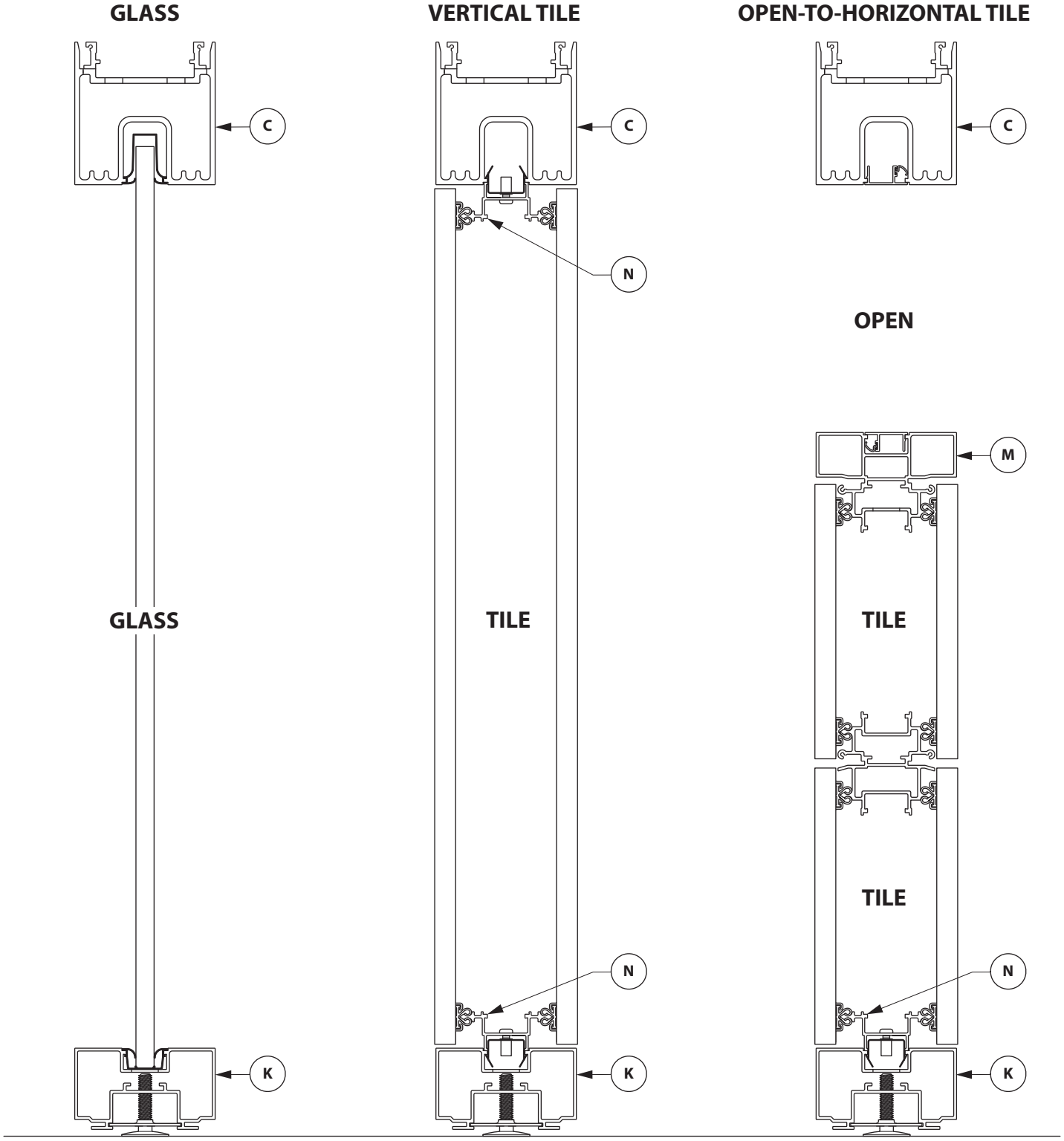
Vertical/Horizontal Tile-Frame Rail

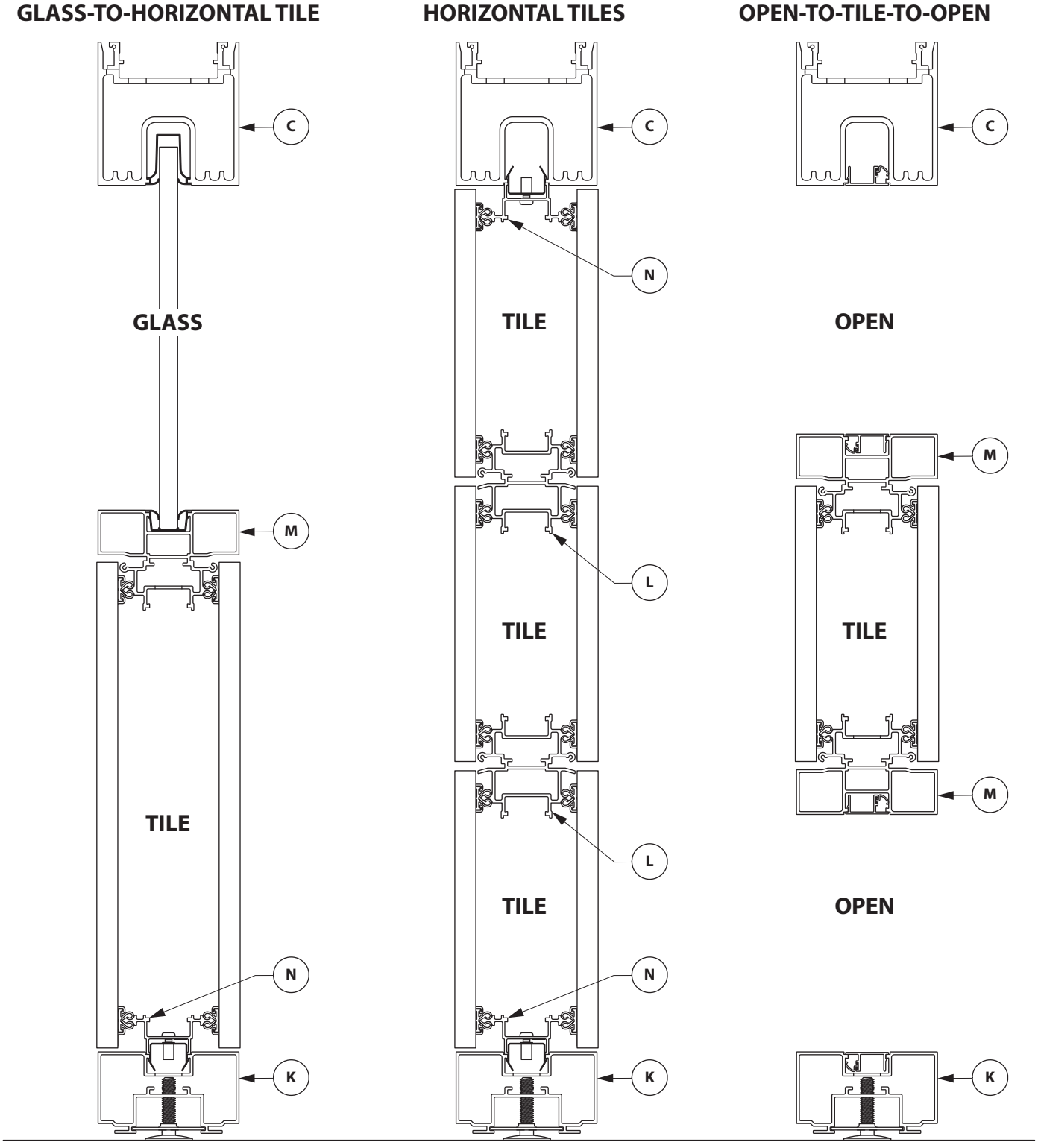


Vertical Tile-Tile Rail

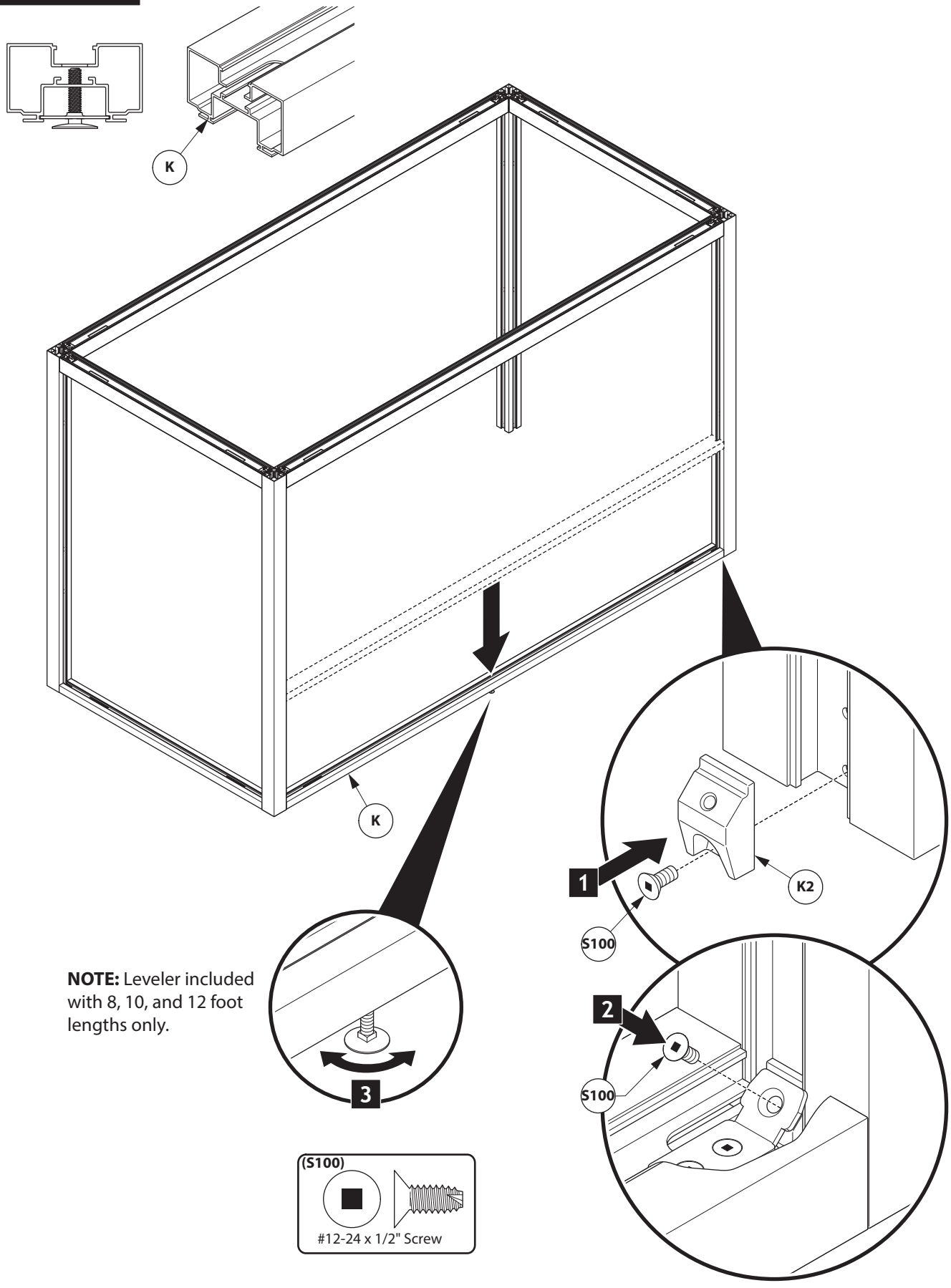





GLASS
VERTICAL TILE
OPEN-TO-HORIZONTAL TILE
C
C
C
N
OPEN
M
GLASS
TILE
TILE
TILE
N
N
K
K
K

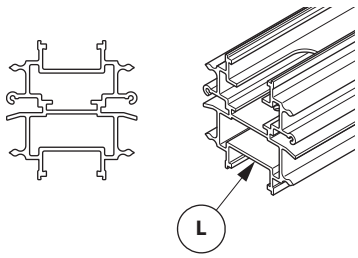

GLASS-TO-HORIZONTAL TILE
HORIZONTAL TILES
OPEN-TO-TILE-TO-OPEN
C
C
C
N
GLASS
TILE
OPEN
M
L
TILE
TILE
M
L
TILE
OPEN
N
N
K
K
K

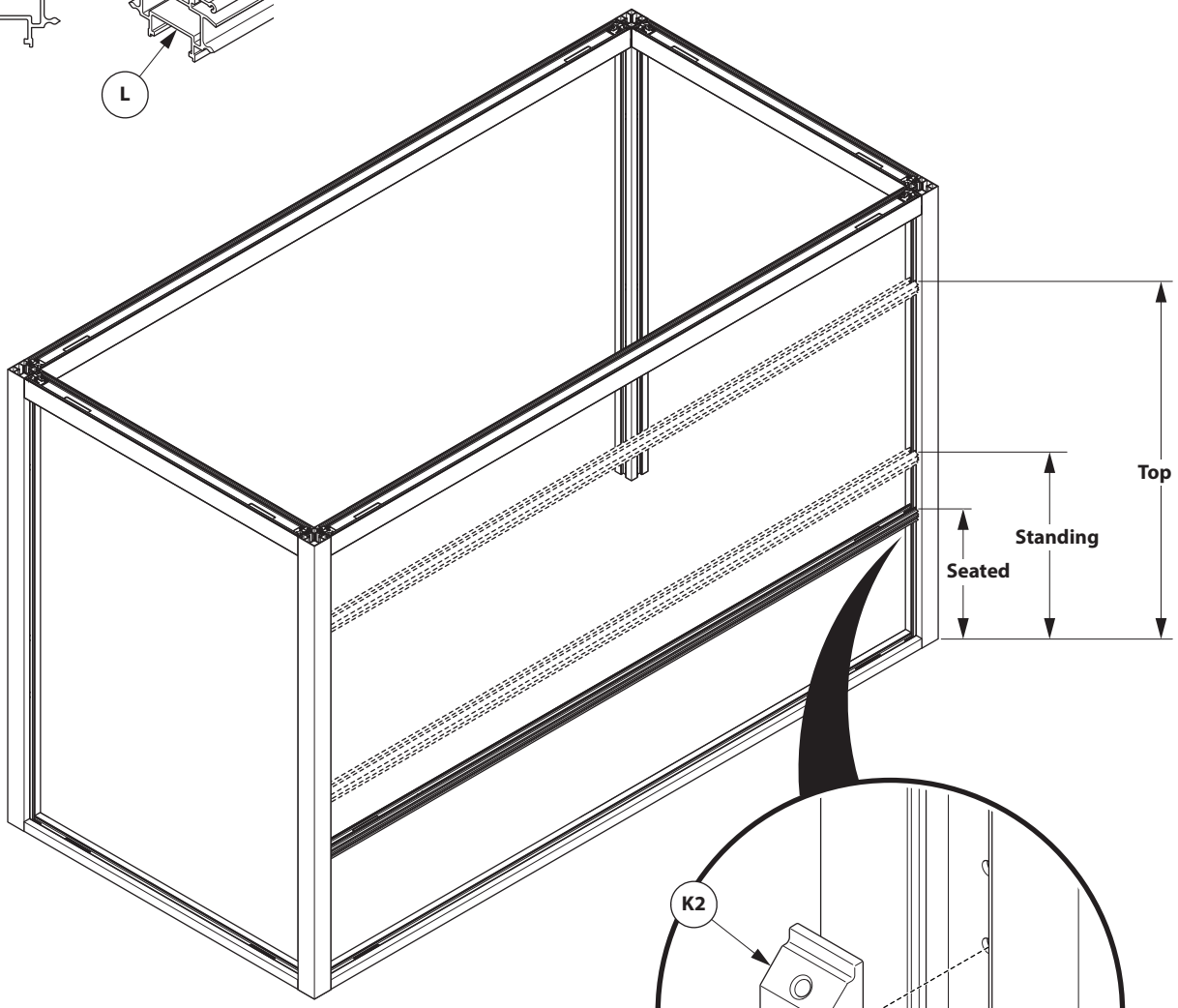
Bottom Rail

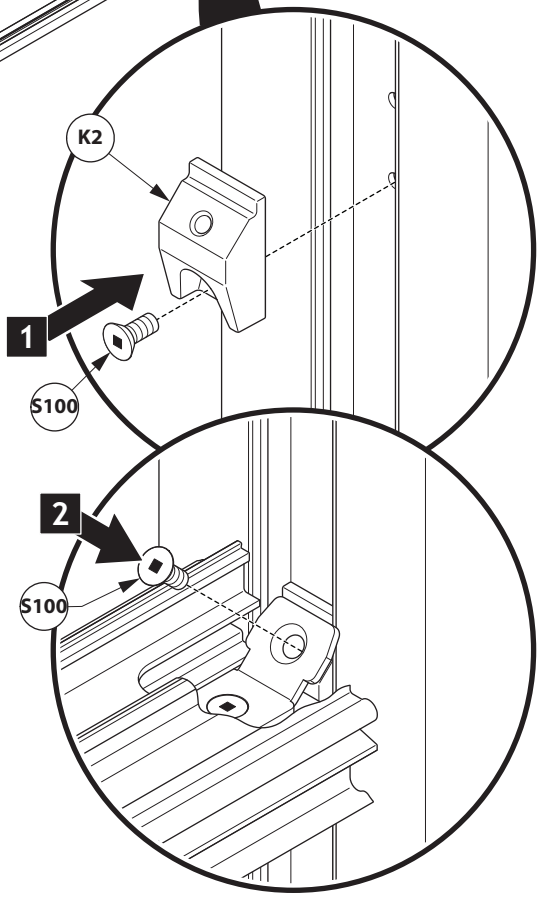


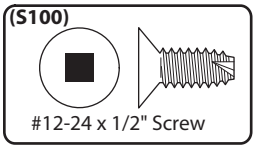
NOTE: Leveler included with 8, 10, and 12 foot lengths only.

Horizontal Tile-to-Tile Rail

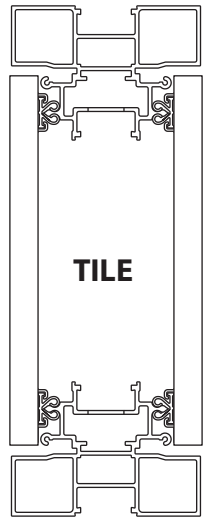


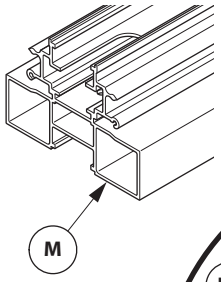


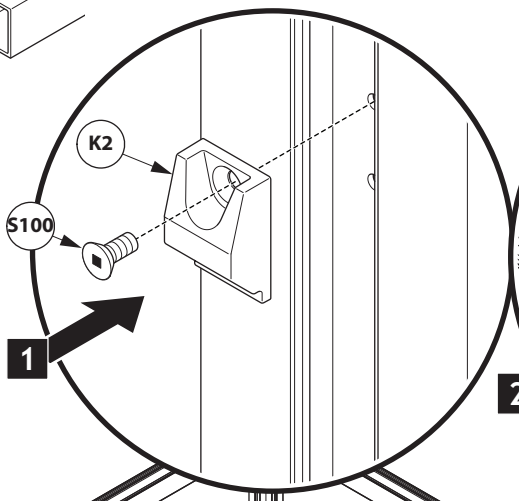


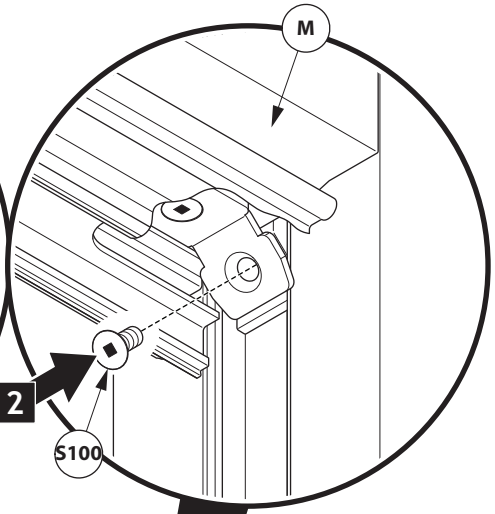


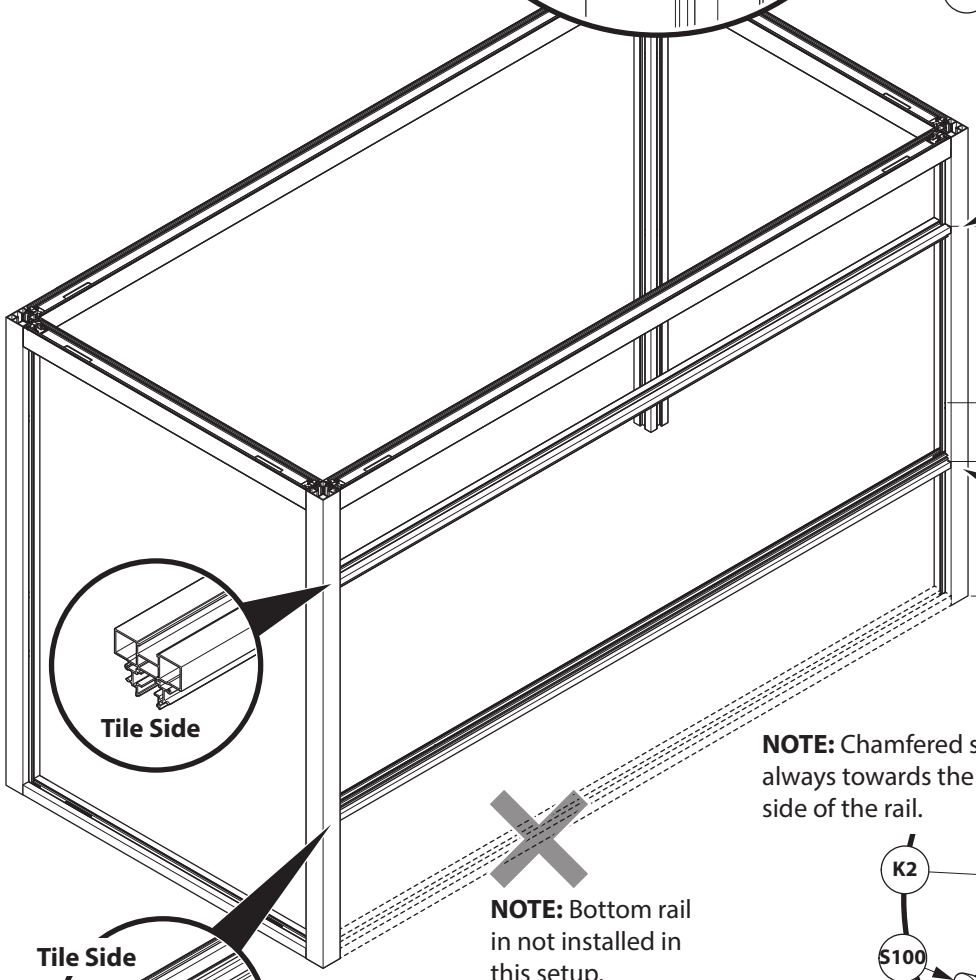
Horizontal Tile-Insert Rail

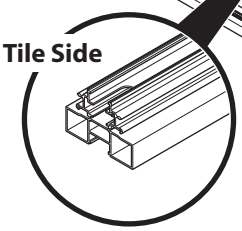






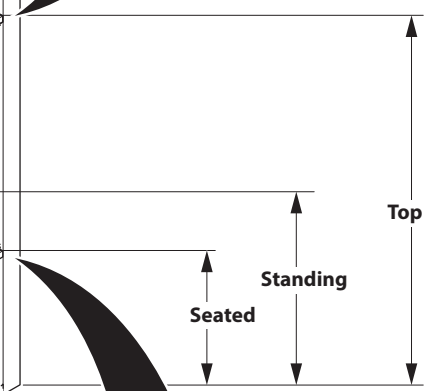




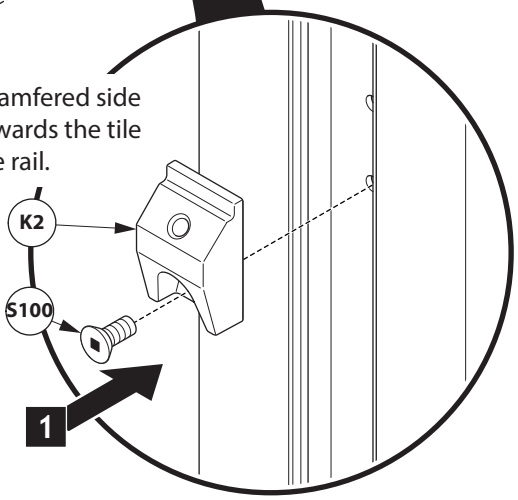


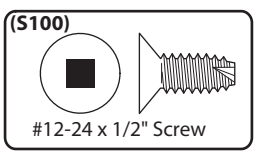
NOTE: Orient rail to align with tile.

NOTE: Bottom rail in not installed in this setup.

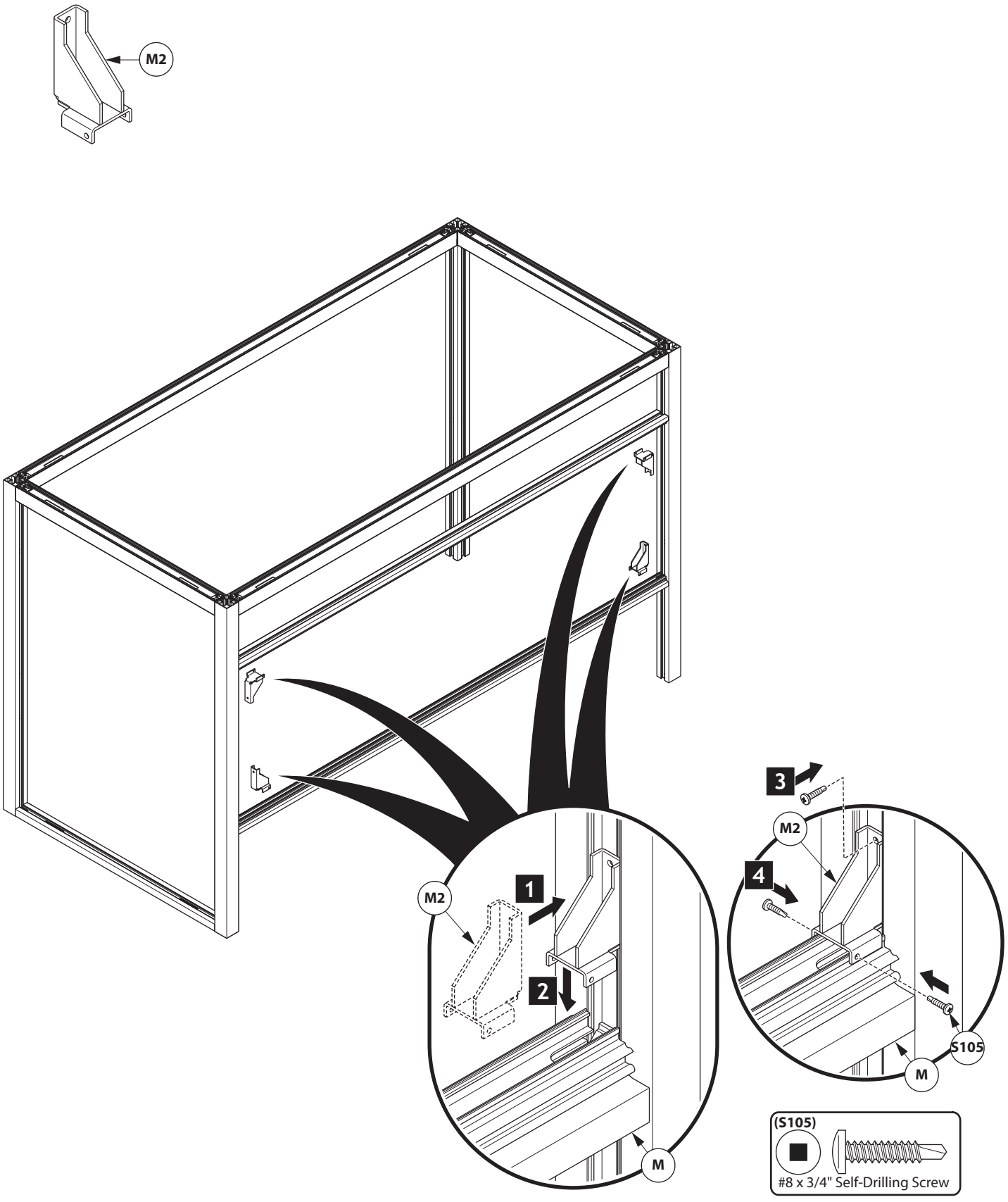


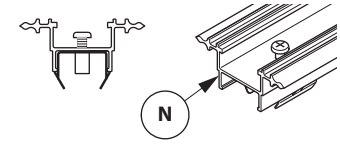
NOTE: Chamfered side always towards the tile side of the rail.

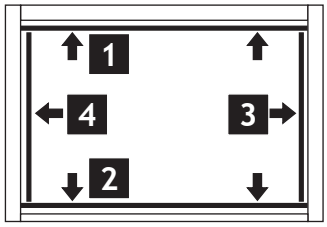


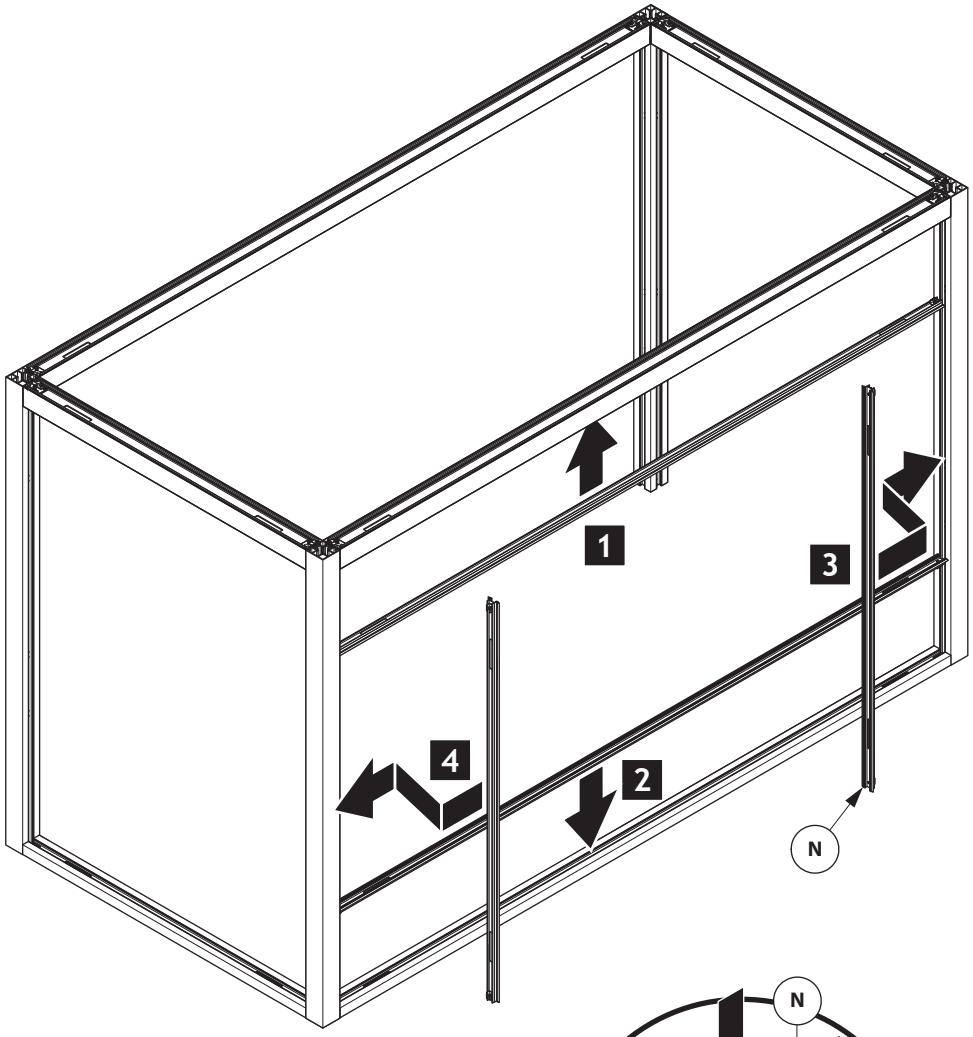


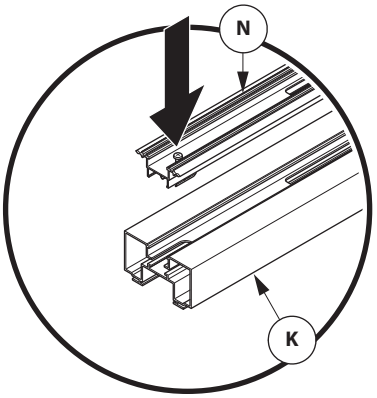
Horizontal Tile-Insert Rail-Support Bracket

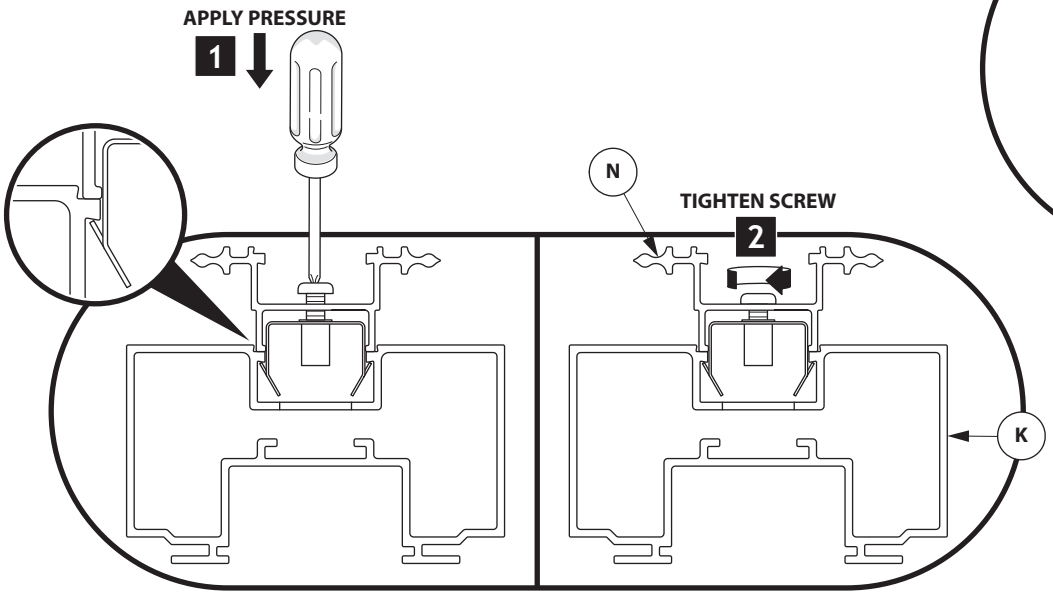



N

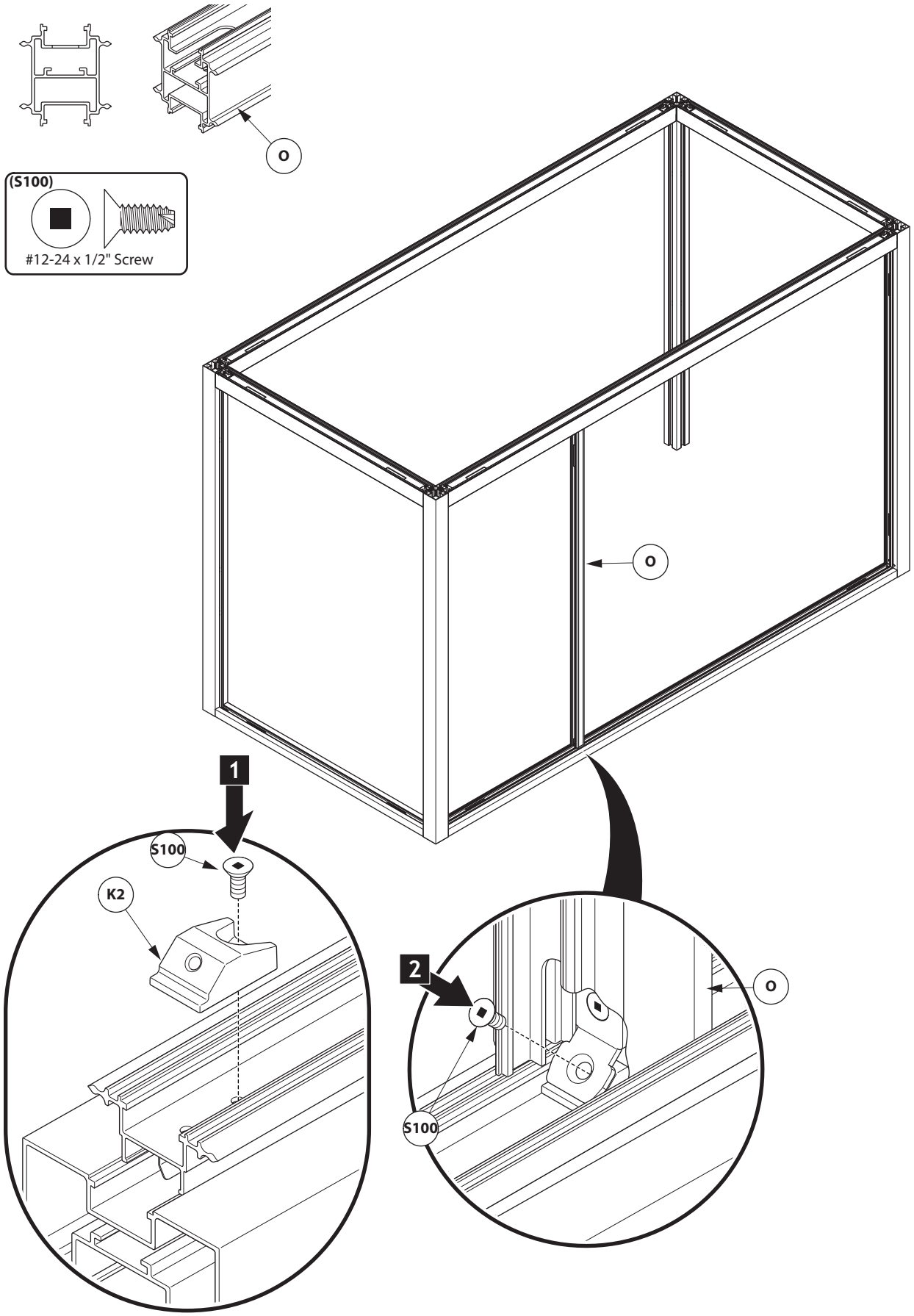

1
4
3
2


1
3
4
2
N


N
K

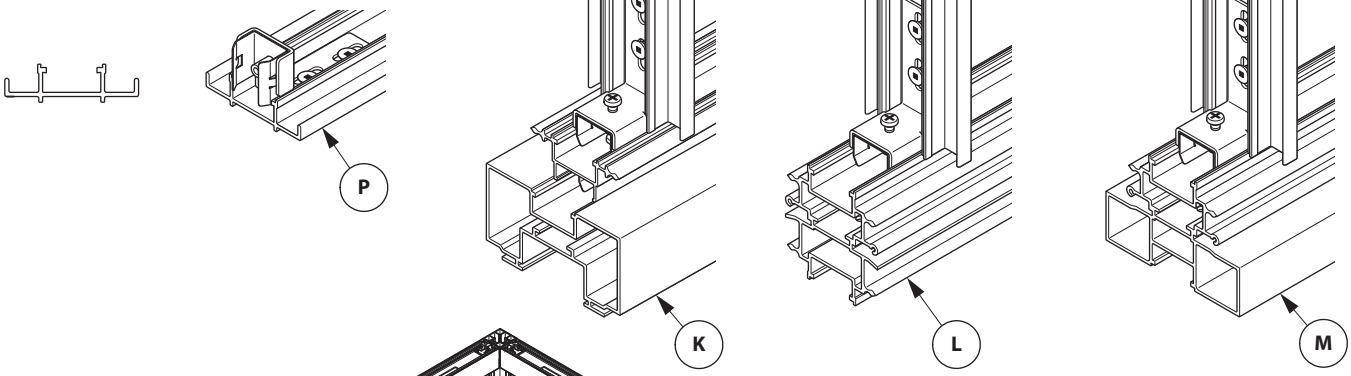

APPLY PRESSURE
1
N
TIGHTEN SCREW
2
K

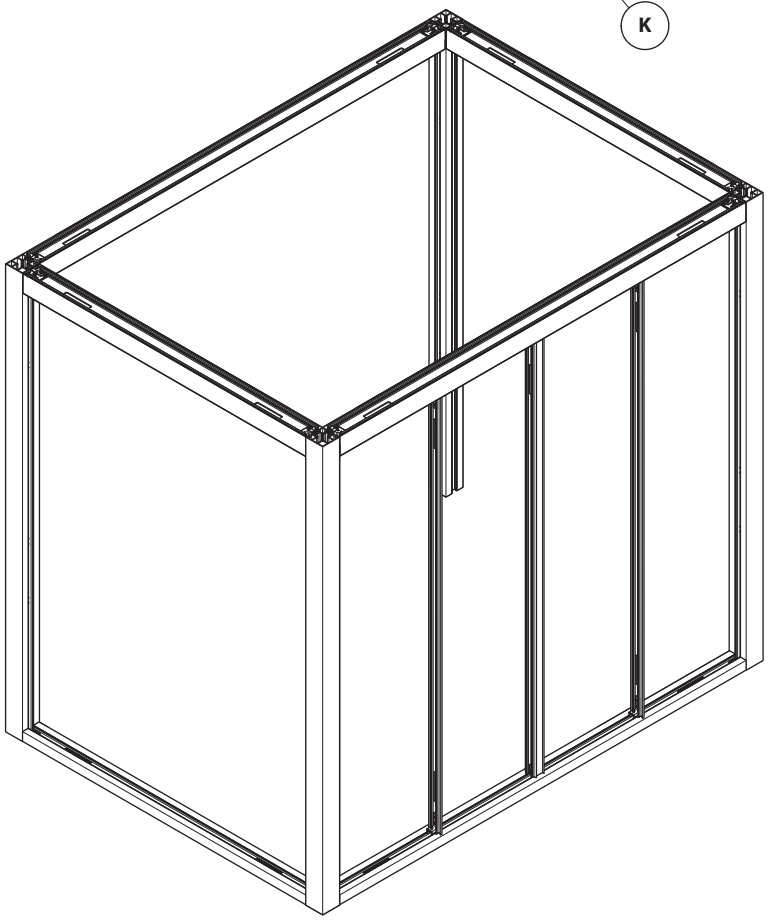
Vertical Tile-Tile Rail

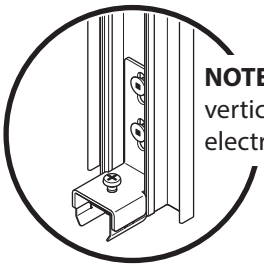


Centerbeam Tile Rail

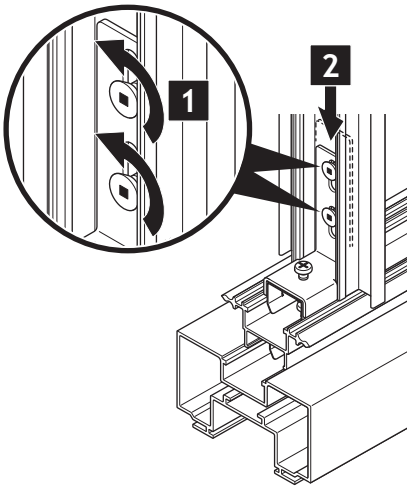
Tile Frame Rail **Horizontal Tile-to-Tile Rail** **Horizontal Tile - Insert Rail**

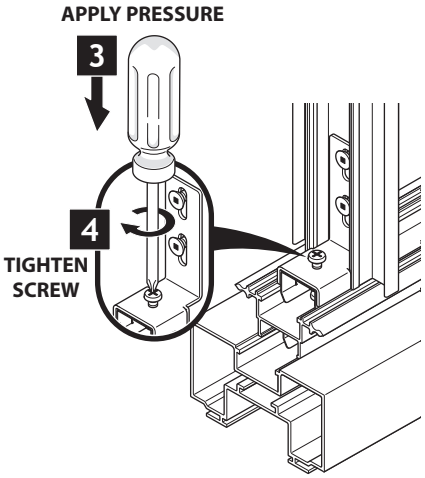


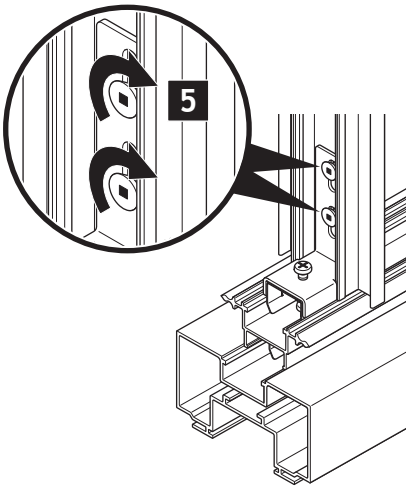




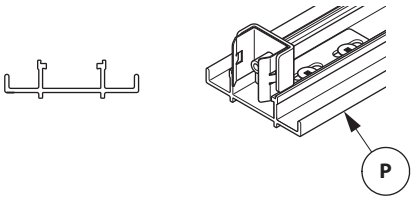
NOTE: Always installed vertically unless used for electrical support.

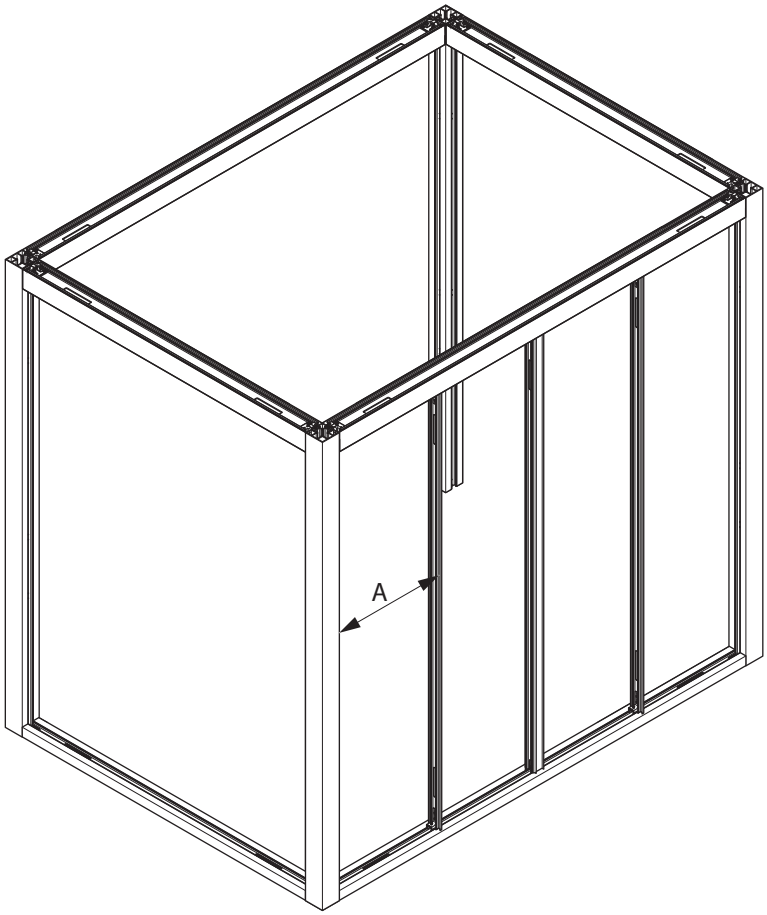


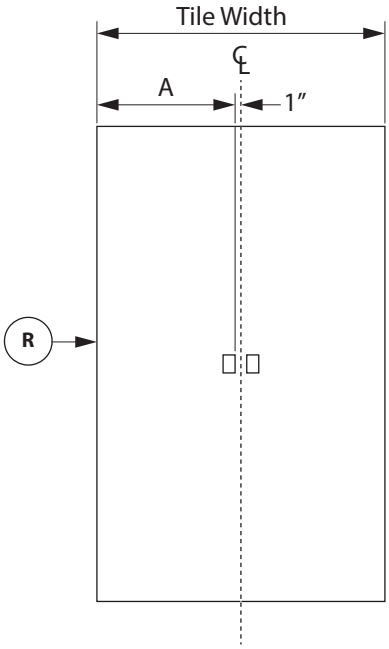




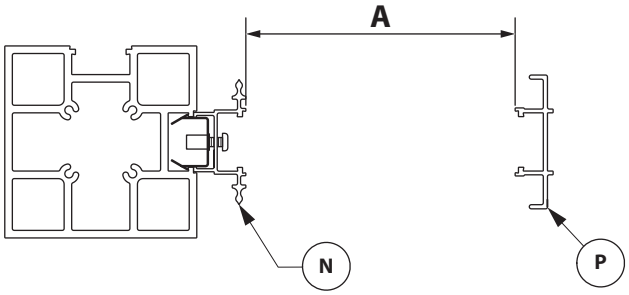
Centerbeam Tile Rail - Electrical



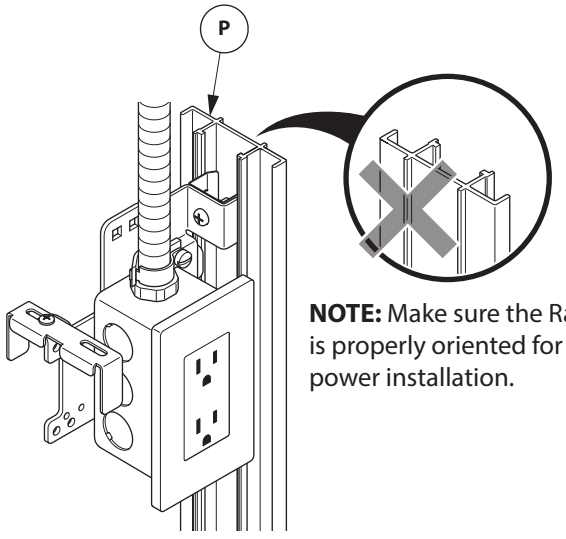




Tile Width	Half Tile Width	Minus	A
36″	18″	1″	17″
48″	24″	1″	23″
72″	36″	1″	35″
96″	48″	1″	47″
120″	60″	1″	59″

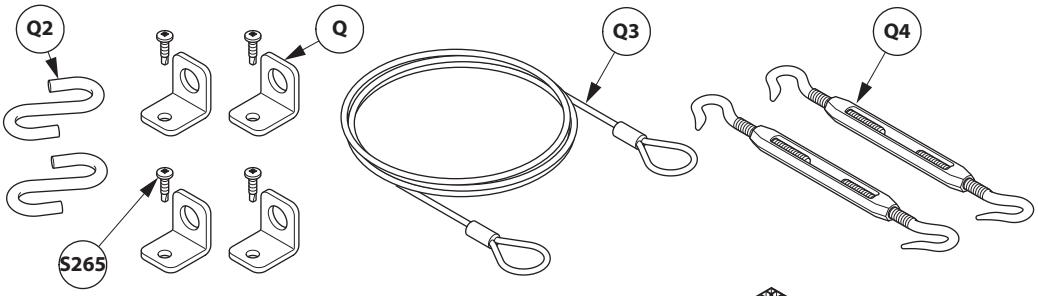


NOTE: Properly measure the distance as shown.

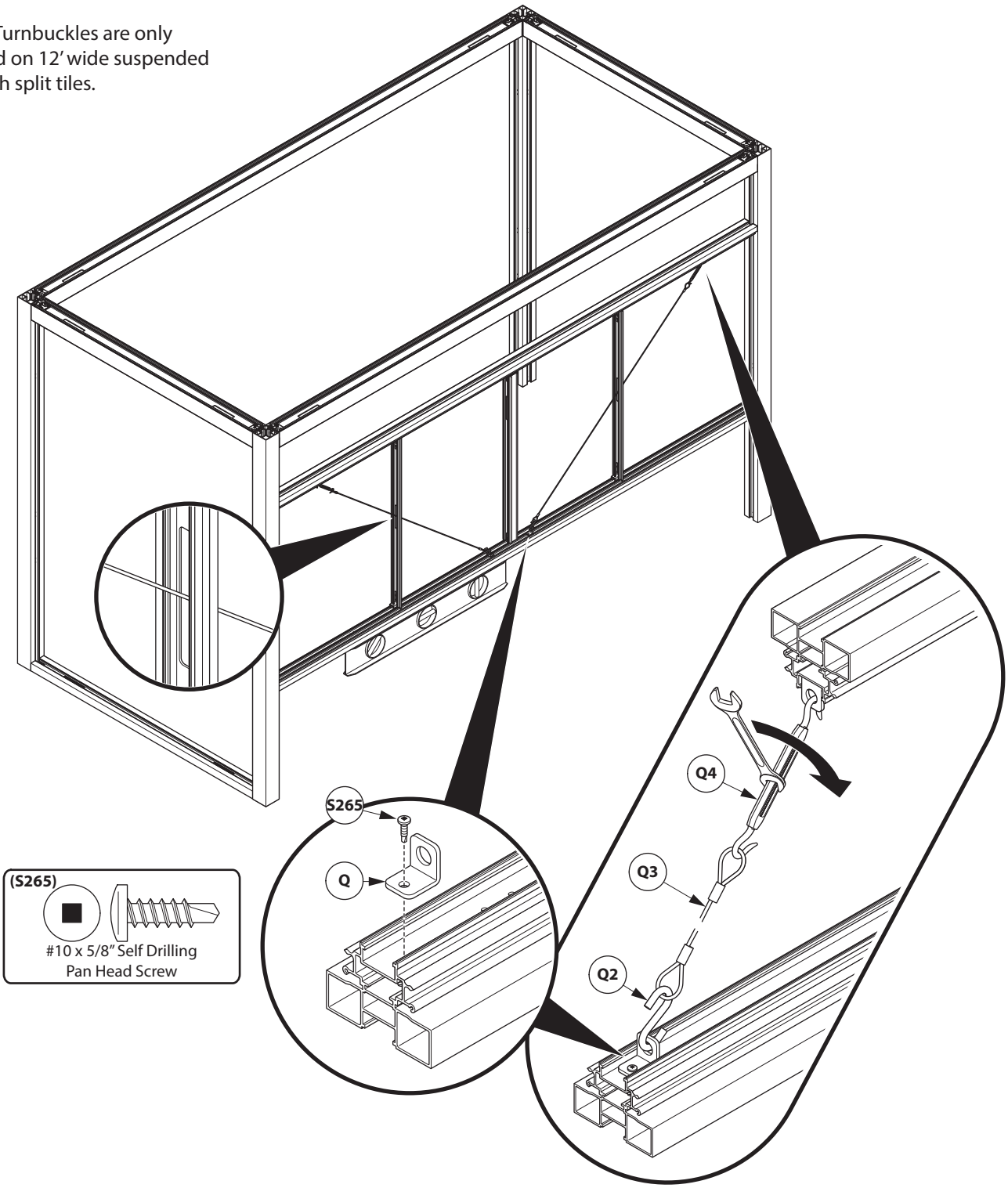


NOTE: Make sure the Rail is properly oriented for power installation.

Horizontal Tile-Insert Rail-Turnbuckle



NOTE: Turnbuckles are only required on 12' wide suspended rails with split tiles.



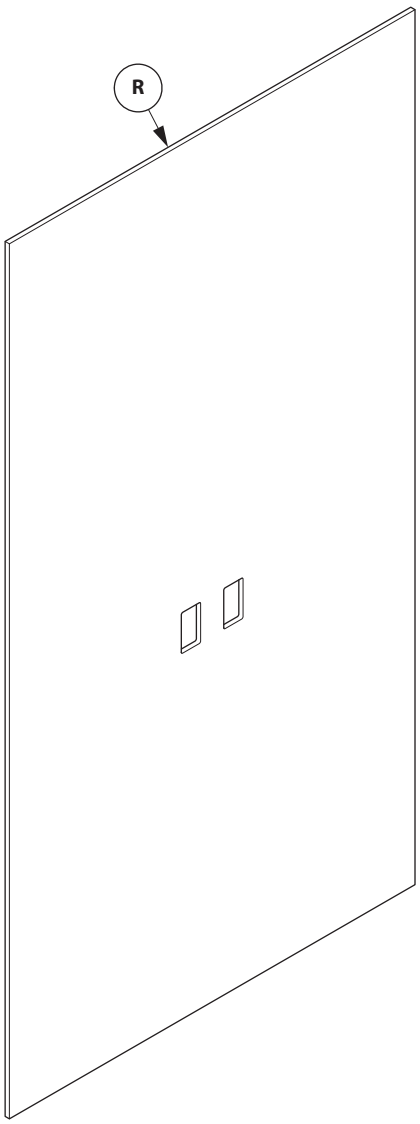
(S265)

#10 x 5/8" Self Drilling Pan Head Screw

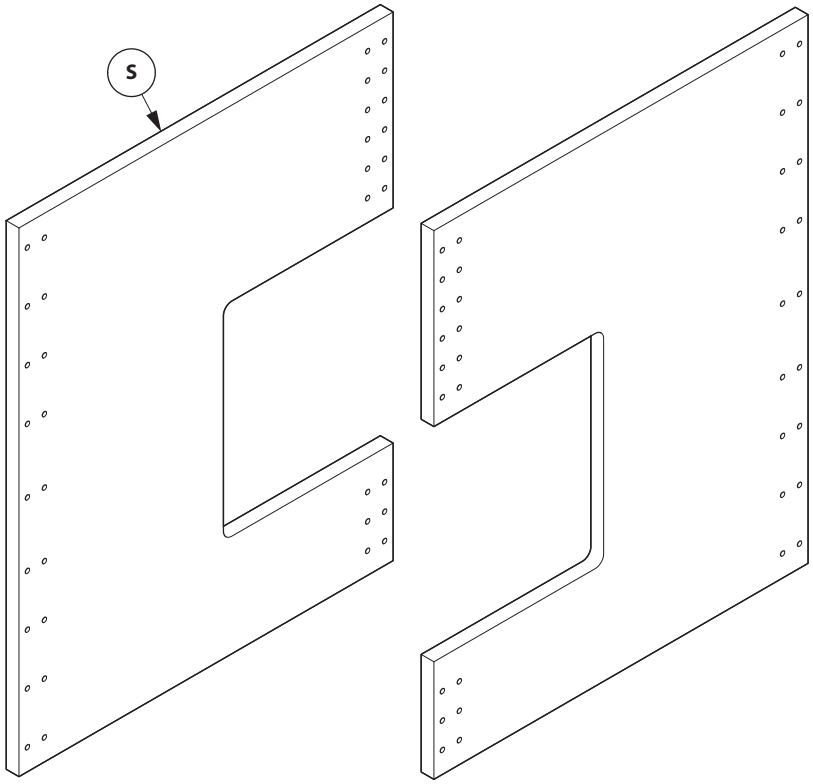
Section 4 - Tiles/Backer

Components

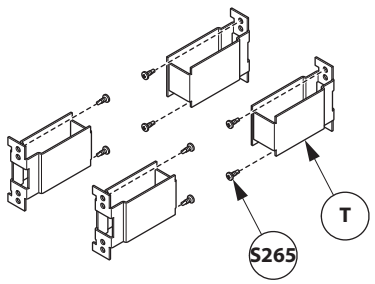
Tile



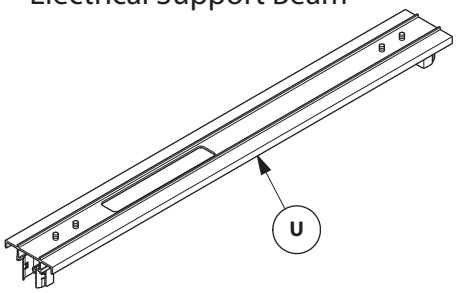
Plywood Backer & Brackets

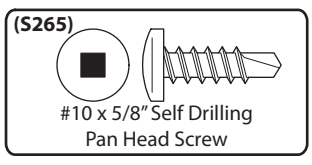


Hanger Brackets



Electrical Support Beam

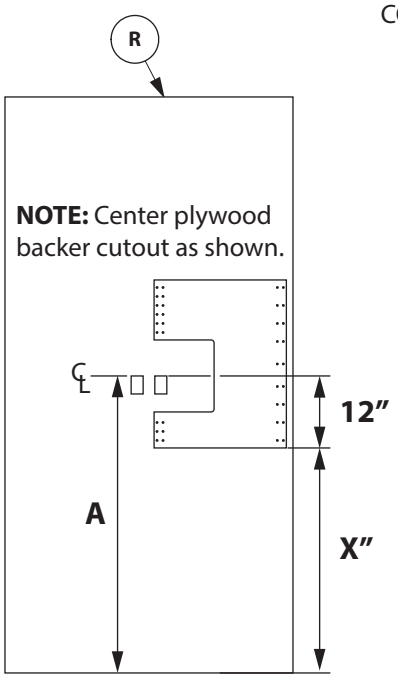


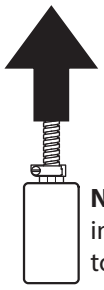


Plywood Backer - For Electrical

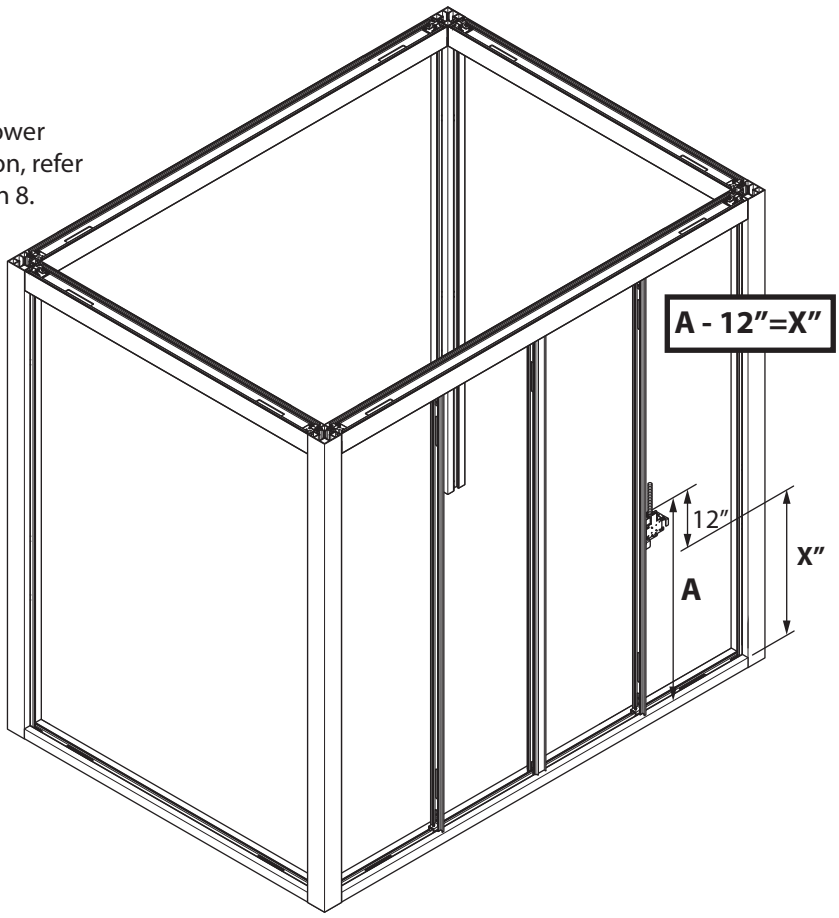
1A **Determine location of plywood backer**

Plywood Backers with Electrical		
Height	**Subtract**	**Location**
A″	-12″	=X″

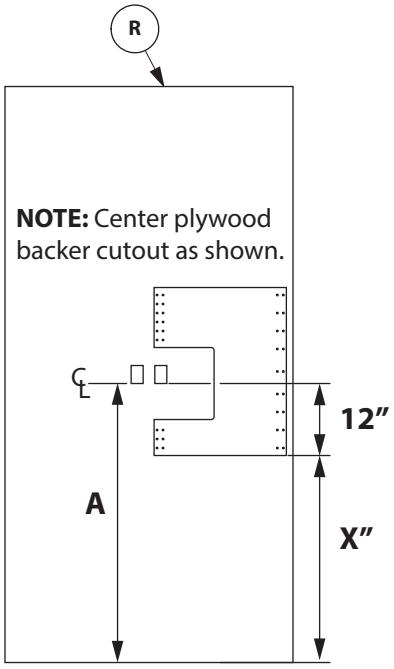


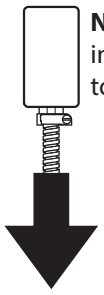


NOTE: Power installation, refer to Section 8.

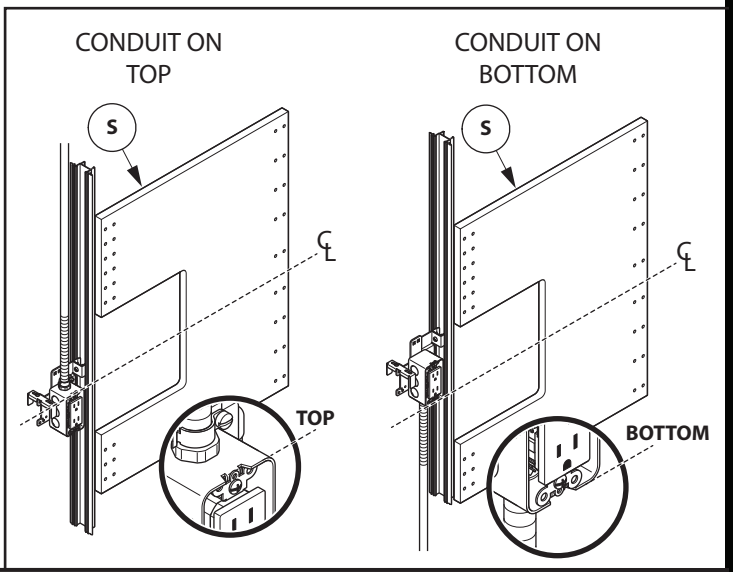


OR

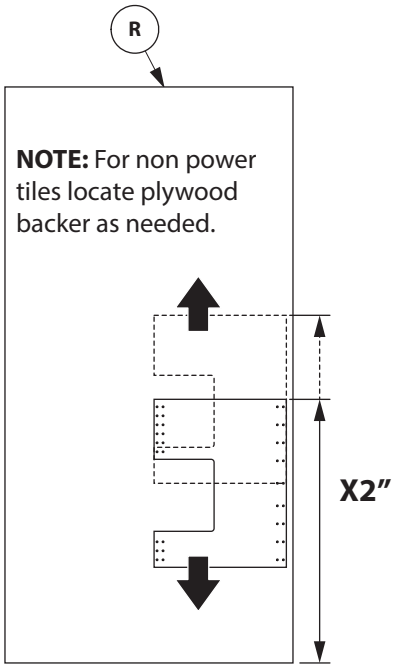


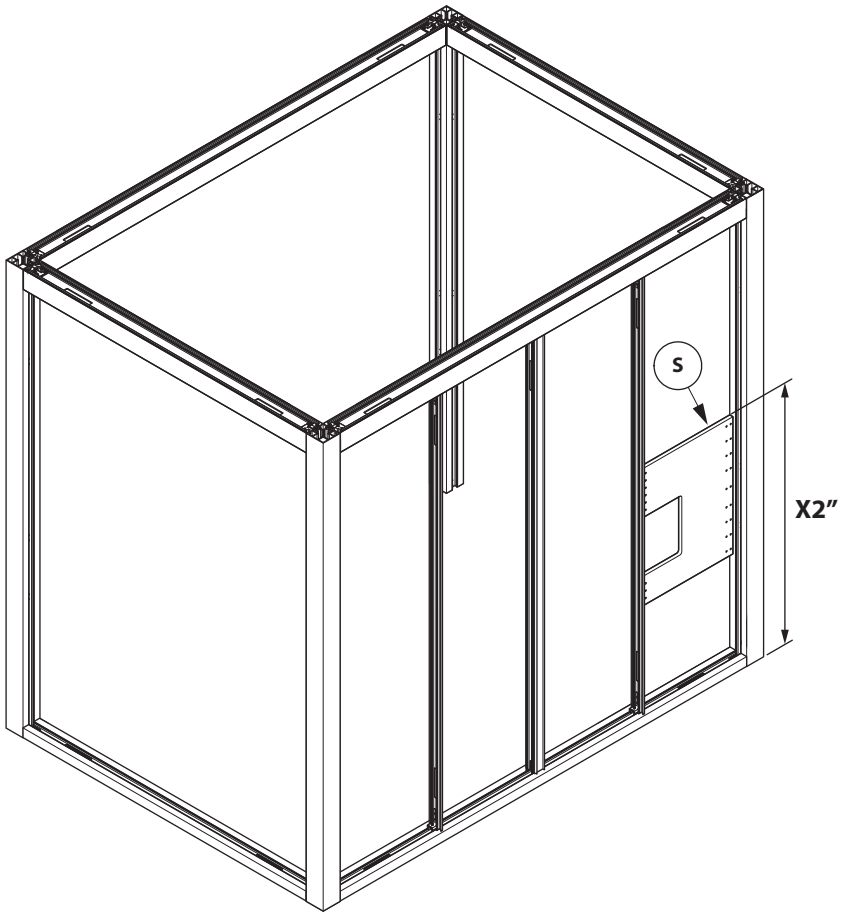


NOTE: Power installation, refer to Section 8.



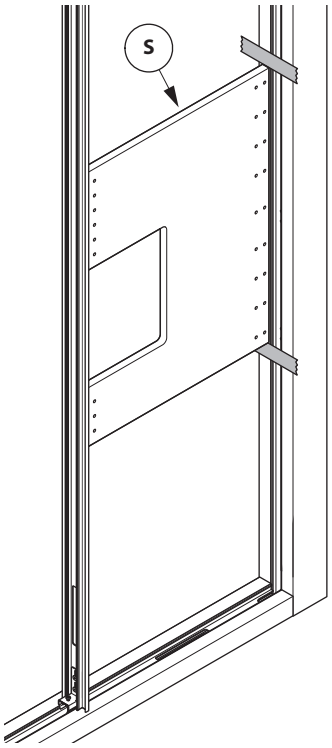
1B Determine random location of plywood backer



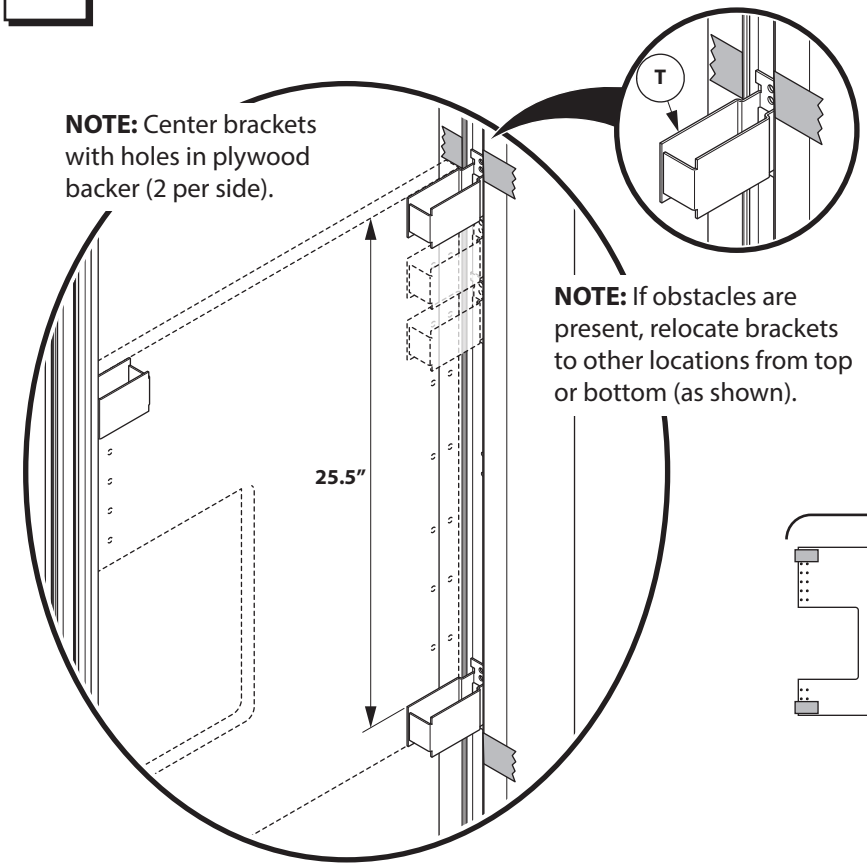


Plywood Backer

2 **Mark location of plywood backer with tape**



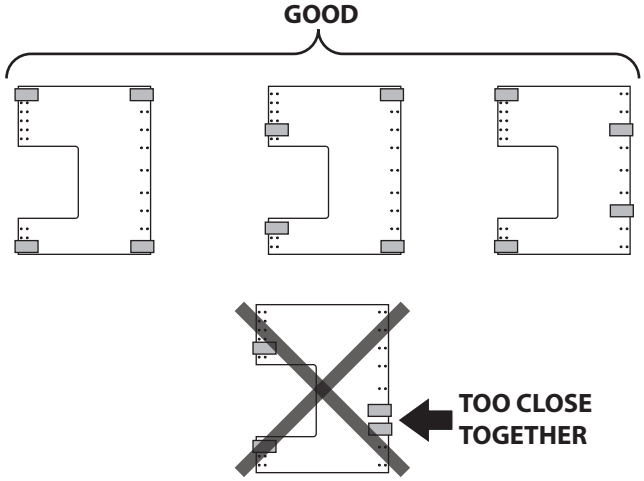
3 **Install first bracket aligning with tape**



NOTE: Center brackets with holes in plywood backer (2 per side).

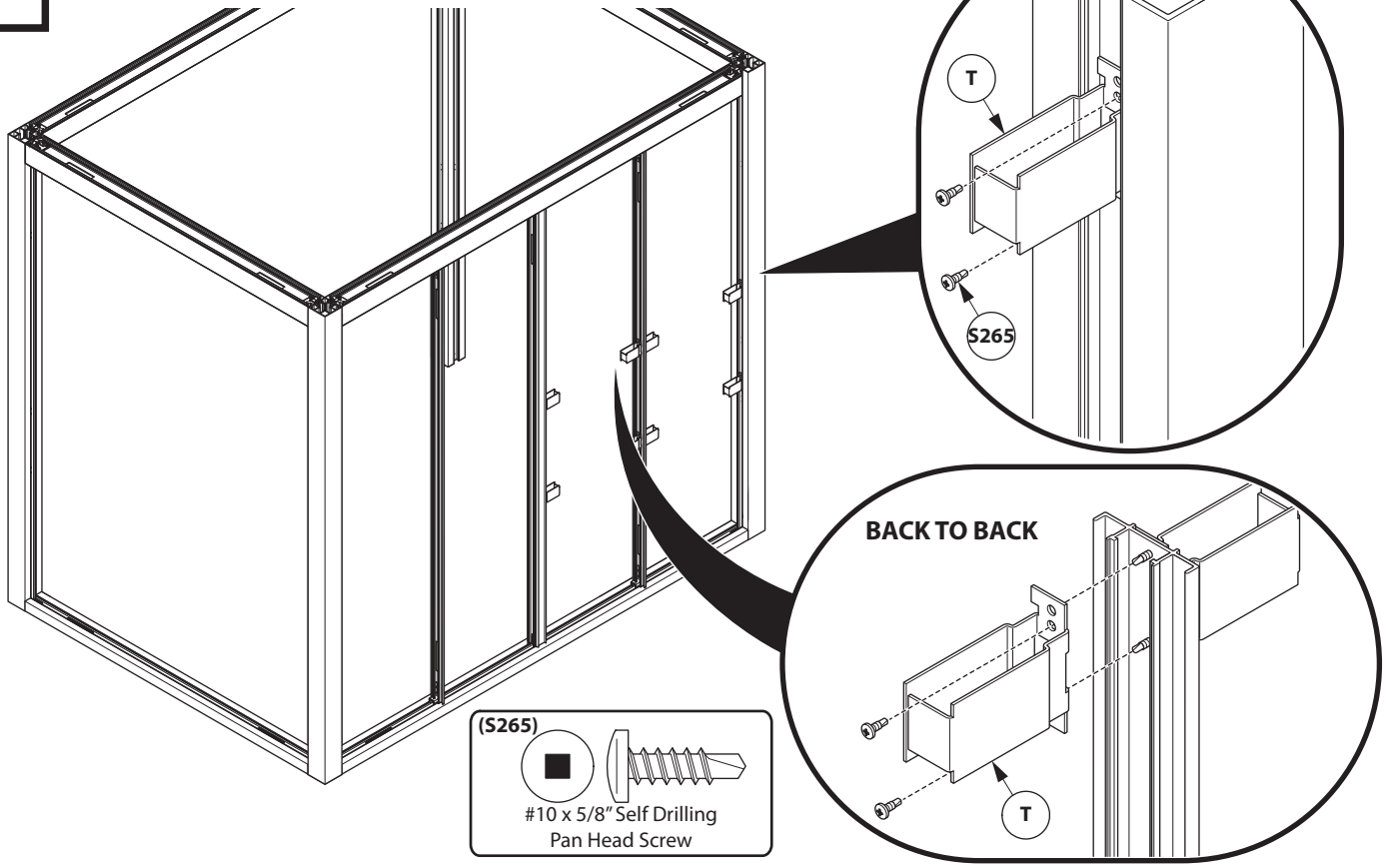
NOTE: If obstacles are present, relocate brackets to other locations from top or bottom (as shown).

NOTE: Maximum distance between brackets is recommended.

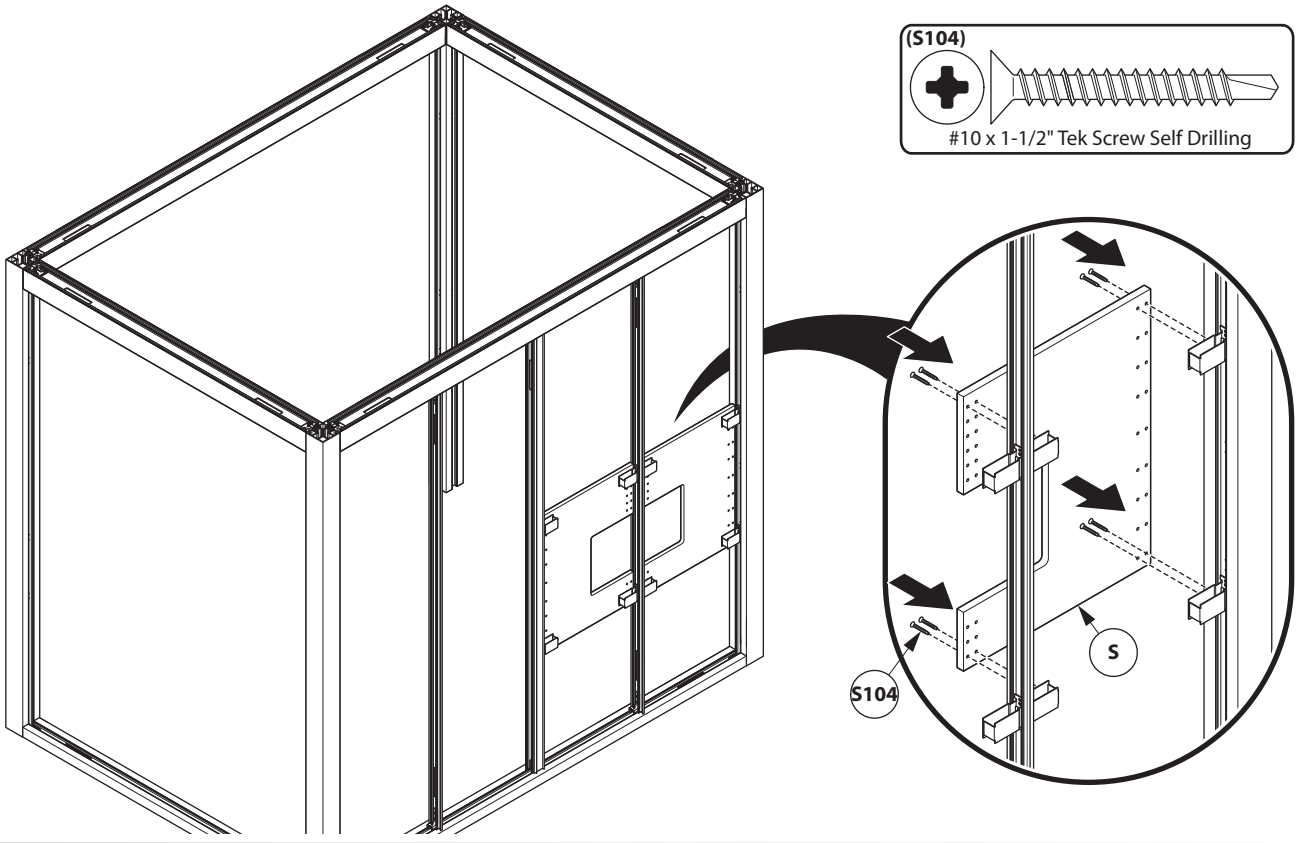


Plywood Backer

4 **Install 4 brackets per plywood backer**

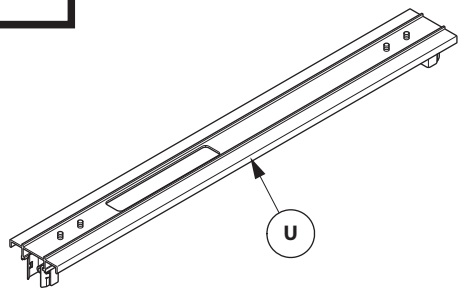


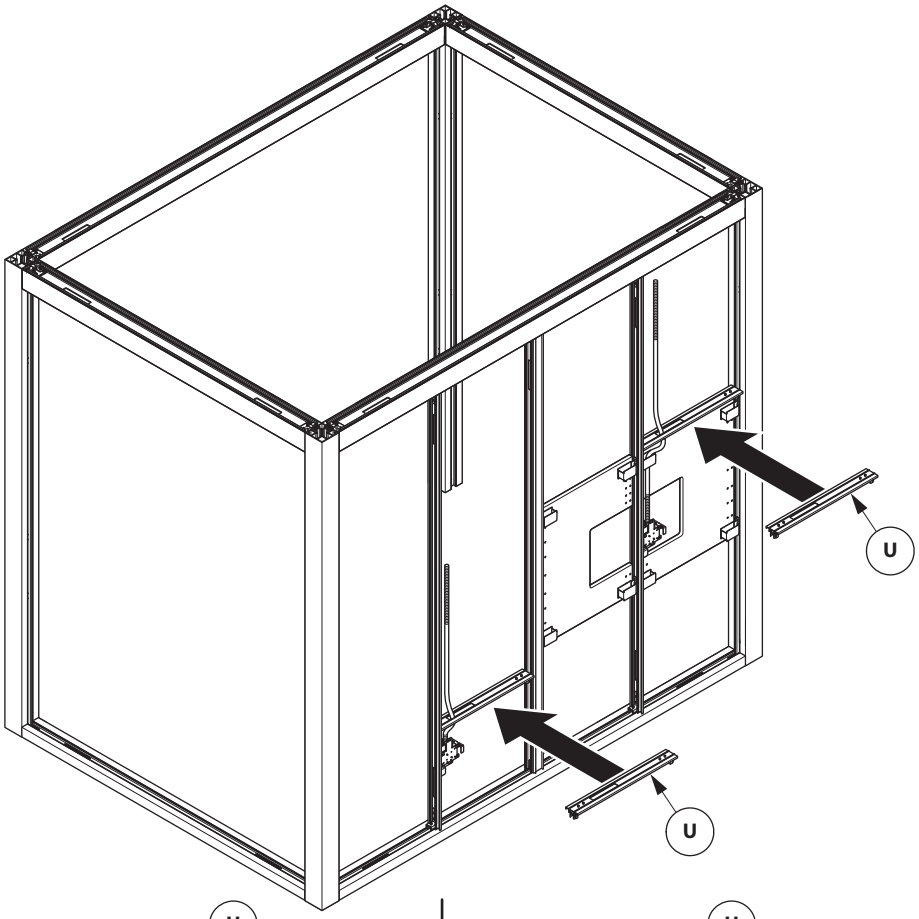
5 **Attached plywood backer to brackets**

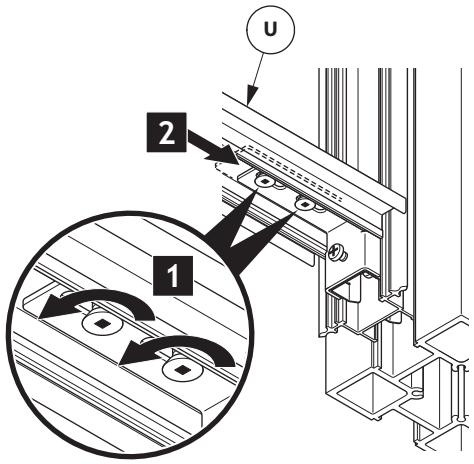


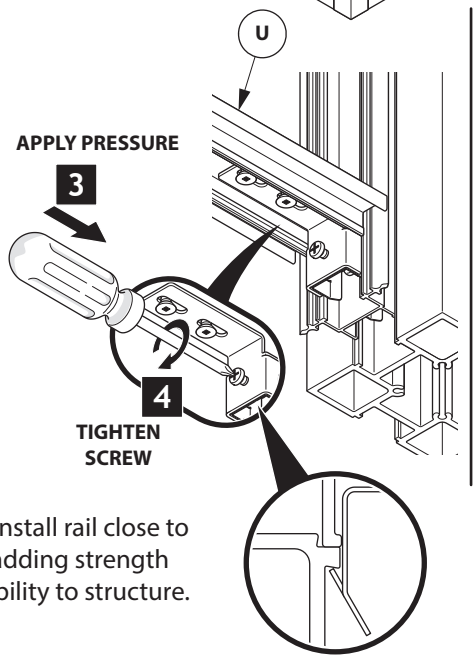
Electrical Support Beam

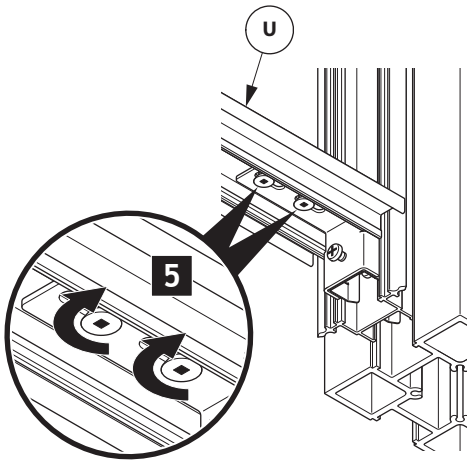
6 **Install electrical support beam**









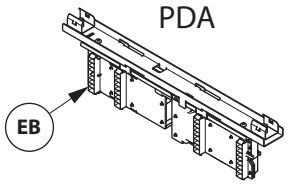


NOTE: Install rail close to power adding strength and stability to structure.

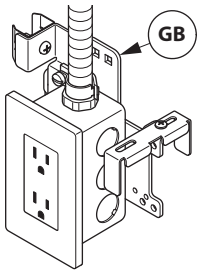
Electrical Installation

7 **Refer to Section 8 when installing electrical**

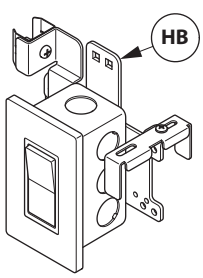
PDA



Receptacle

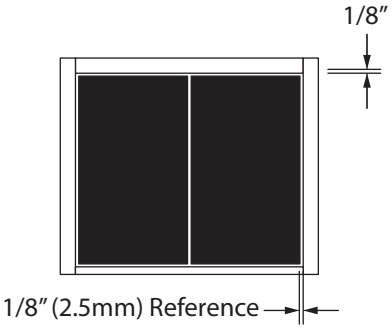


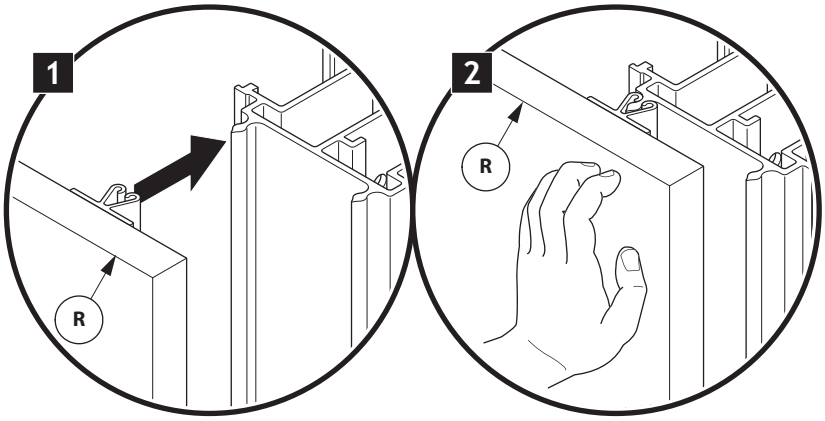
Switch

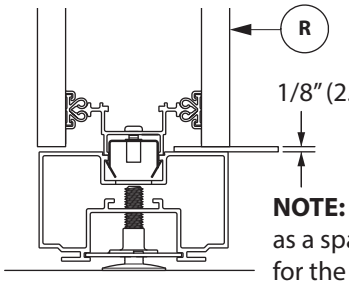


8

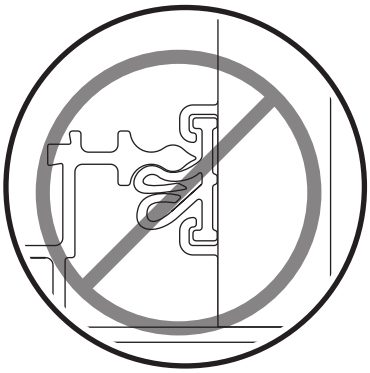
Install power tile first than install non power tiles second



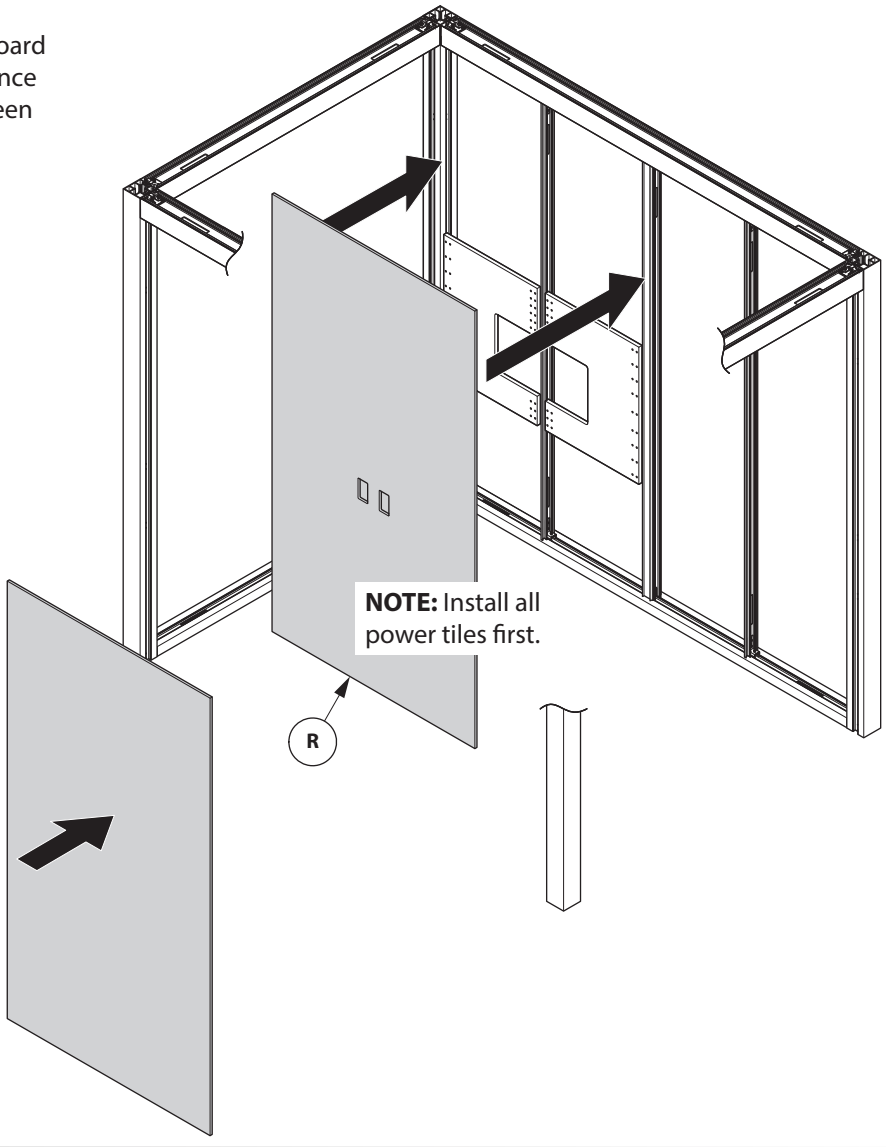




NOTE: Use cardboard as a spacer reference for the gap between tile and rail.



NOTE: Check to make sure tile connector is attached properly.



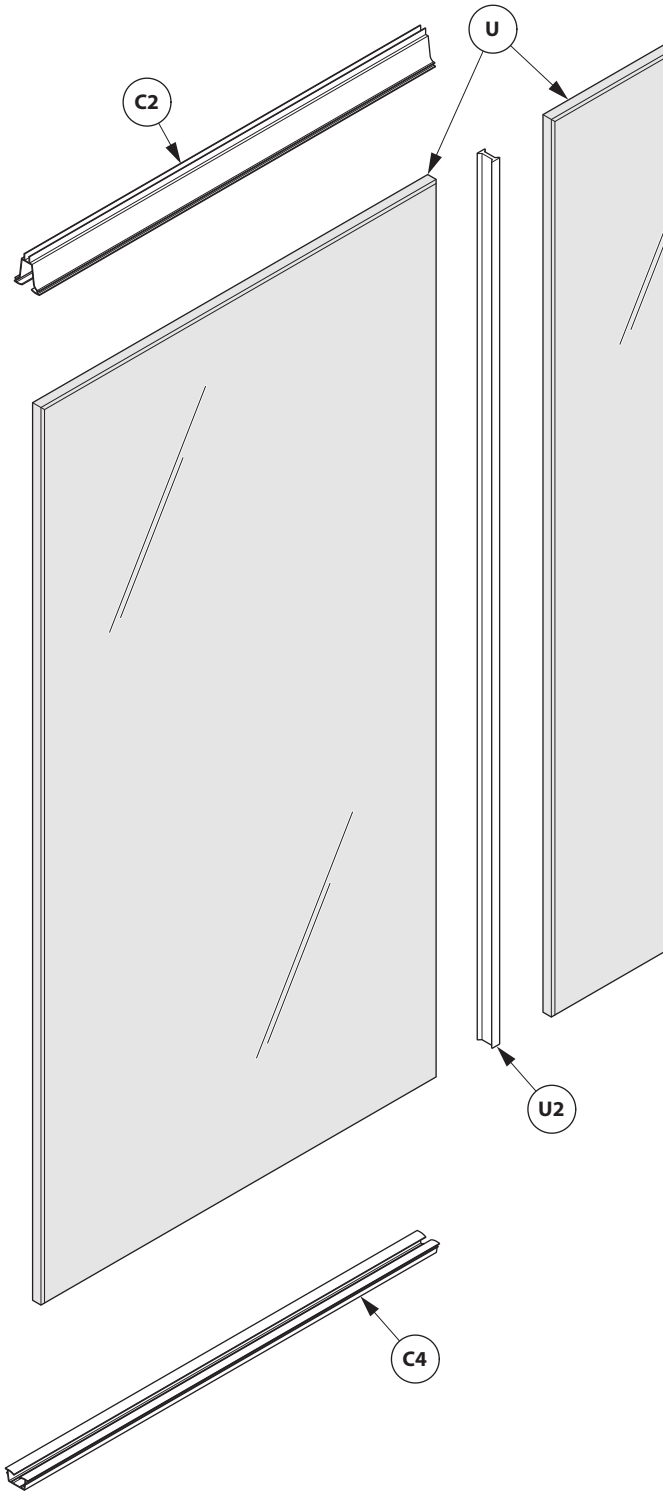
NOTE: Install all power tiles first.

NOTE: Install non-power tiles after the power tiles are installed.

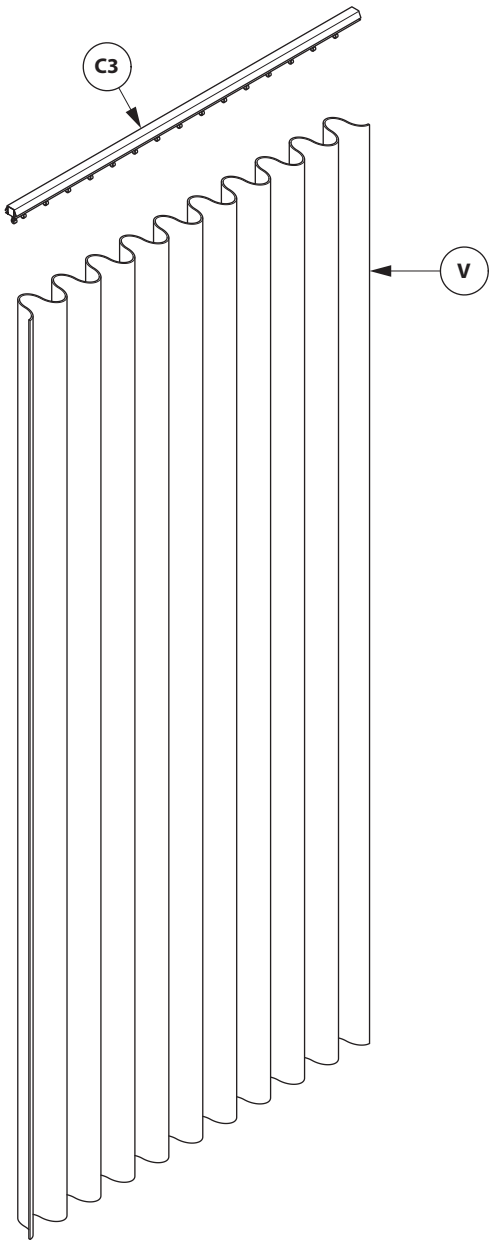
Section 5 - Infill Walls

Components

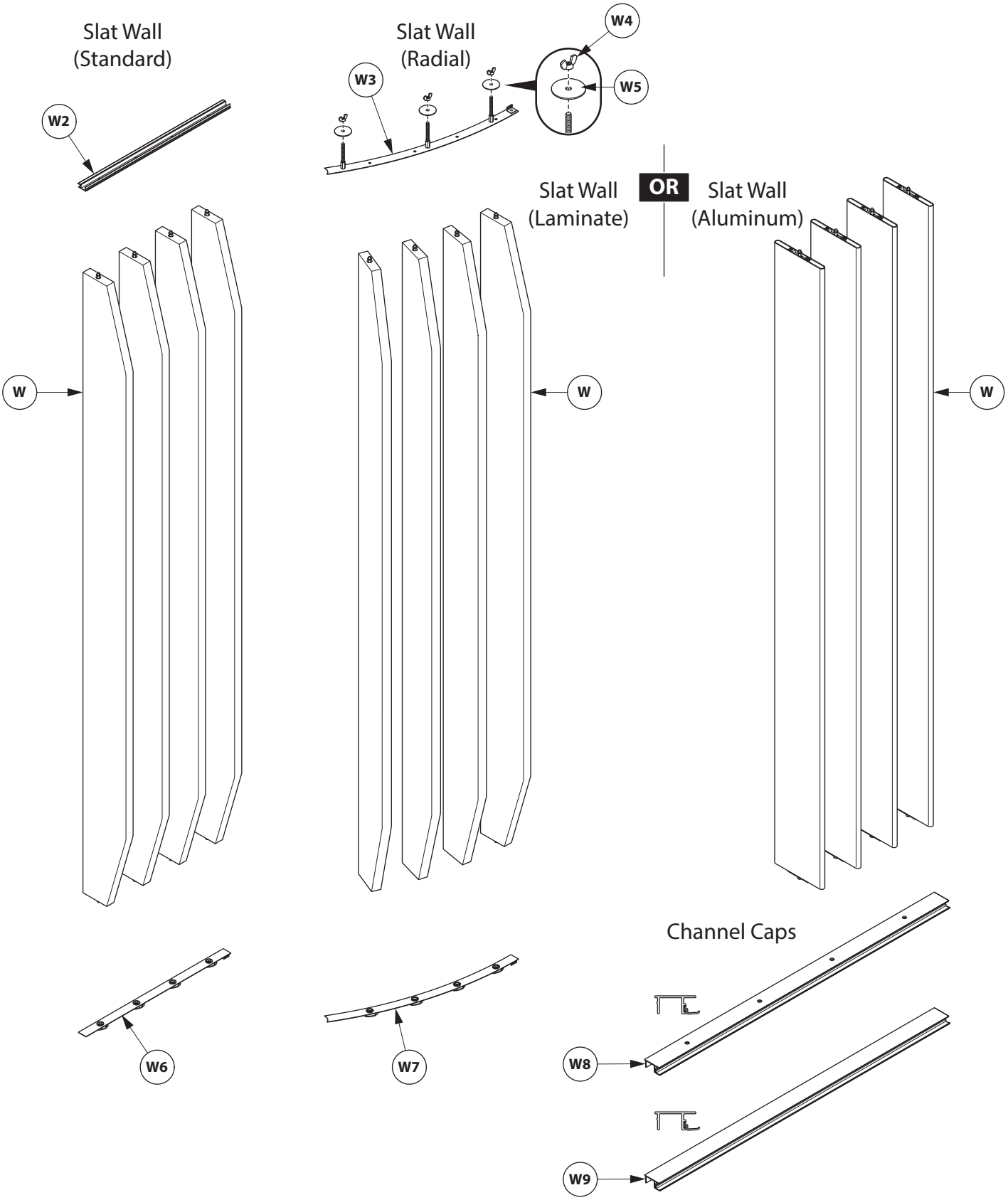
Glass Pane



Curtain

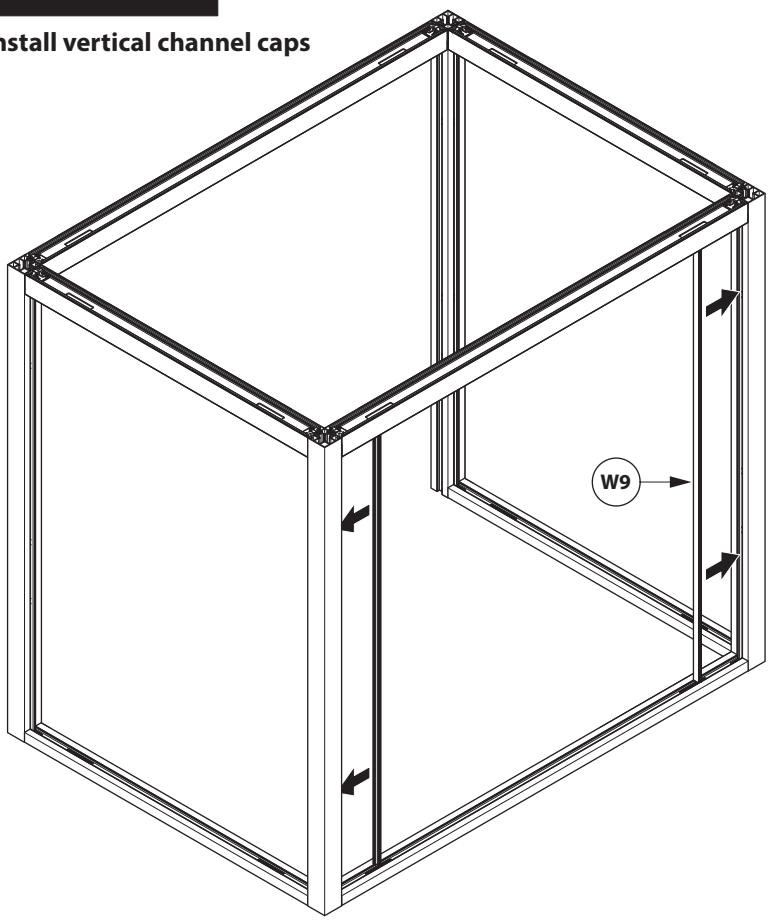


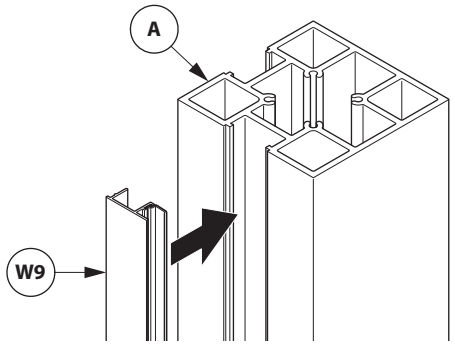
Components

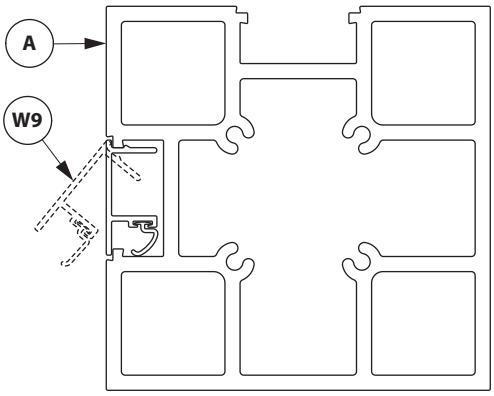

Slat Wall
(Standard)
W2
Slat Wall
(Radial)
W3
W4
W5
Slat Wall
(Laminate)
OR
Slat Wall
(Aluminum)
W
W
W
W6
W7
Channel Caps
W8
W9

Glass Wall Installation

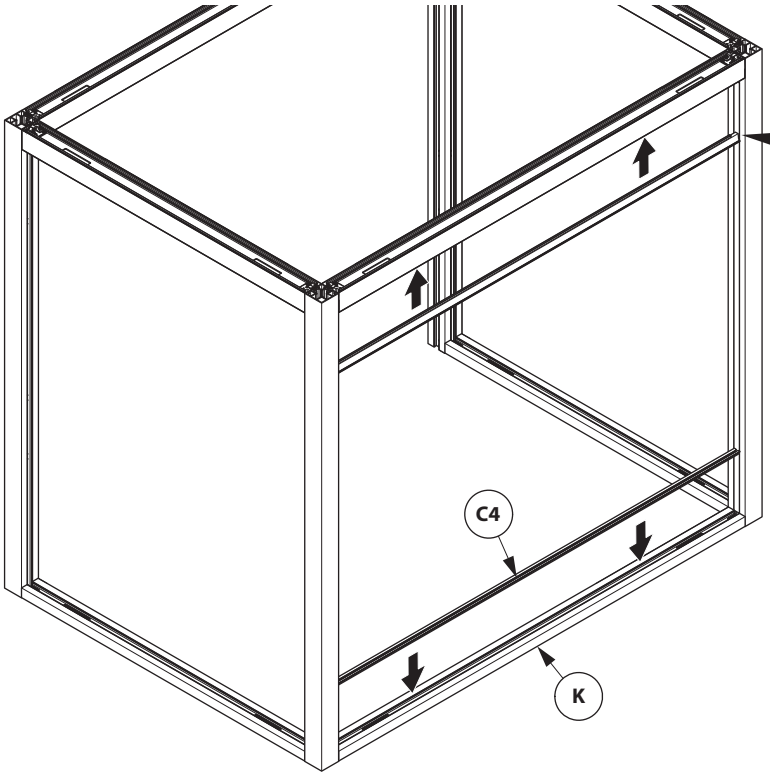
1 **Install vertical channel caps**



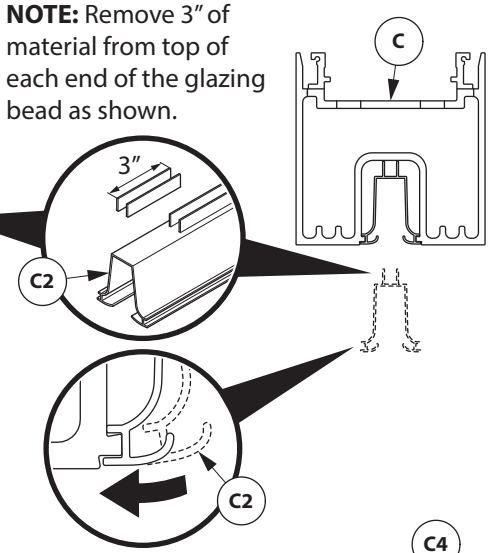


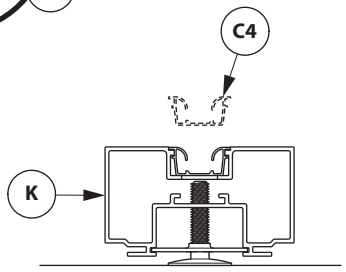


2 **Insert glazing beads**

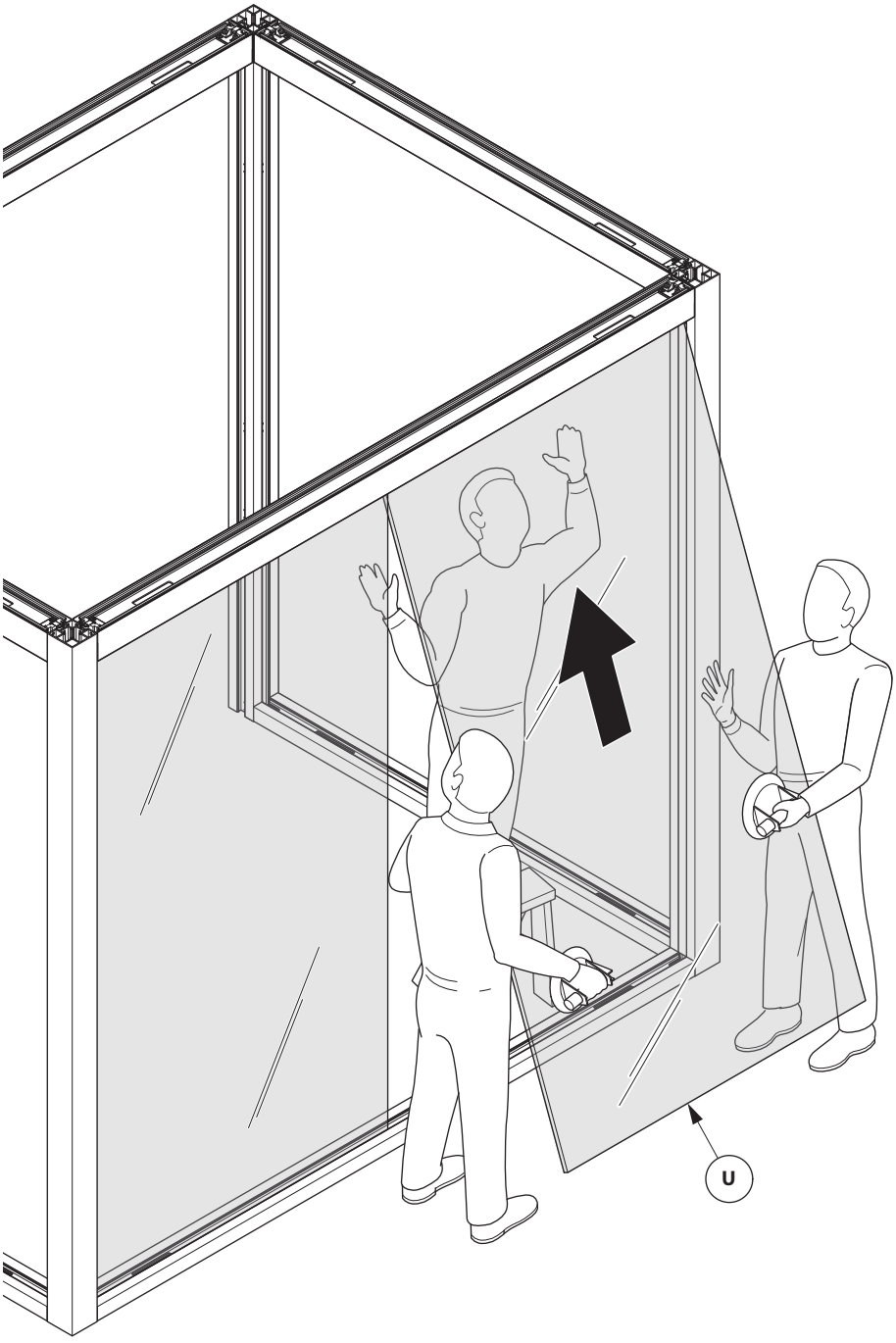


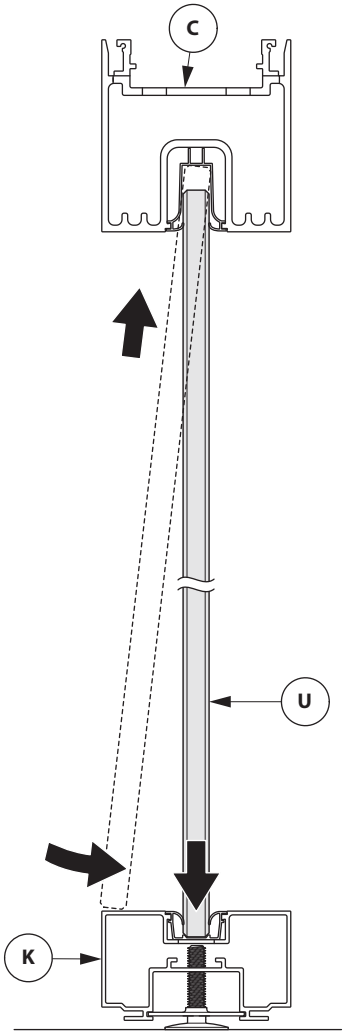
NOTE: Remove 3" of material from top of each end of the glazing bead as shown.





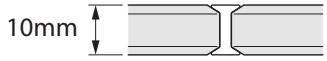
3 **Install glass panes**



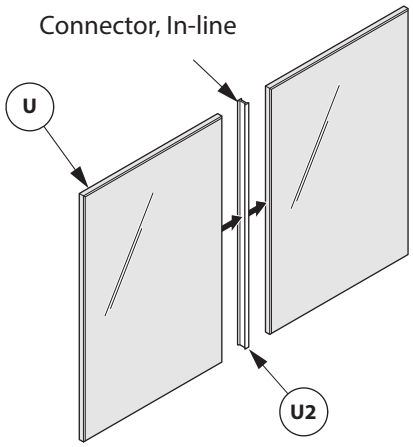


Glass Wall Glazing Connector Installation

Connector,
In-line



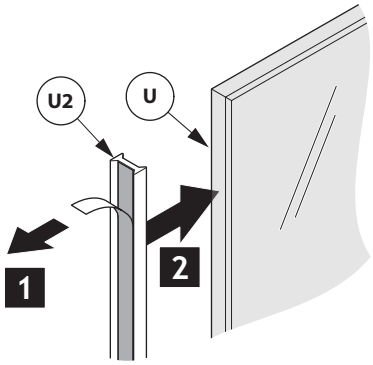
Connector, In-line



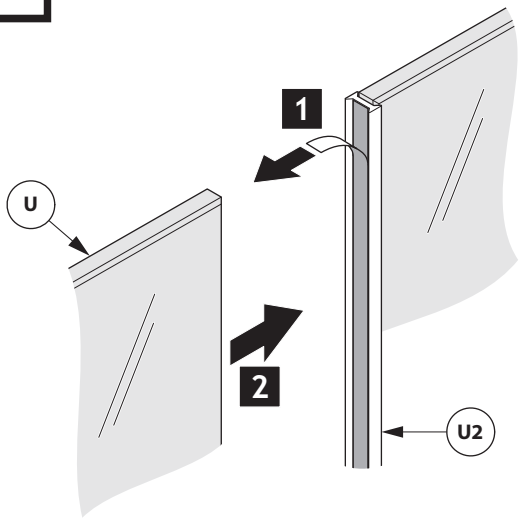
1

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.

Glazing Connector,
In-Line 10mm

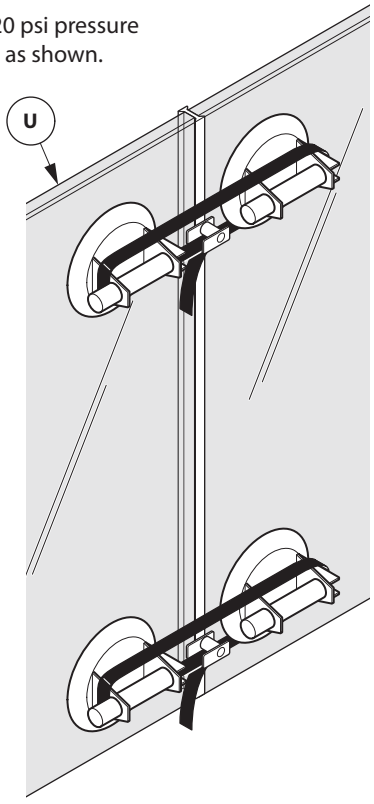


2



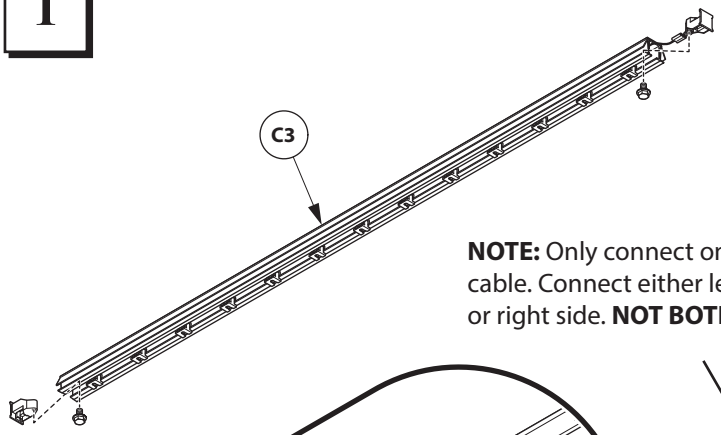
3

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

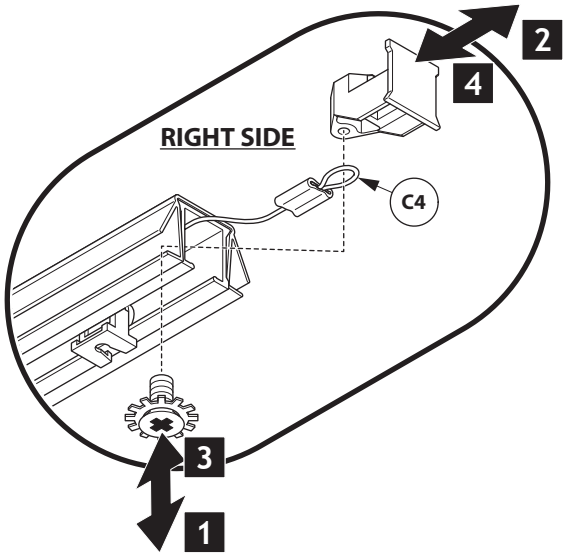


Curtain Installation

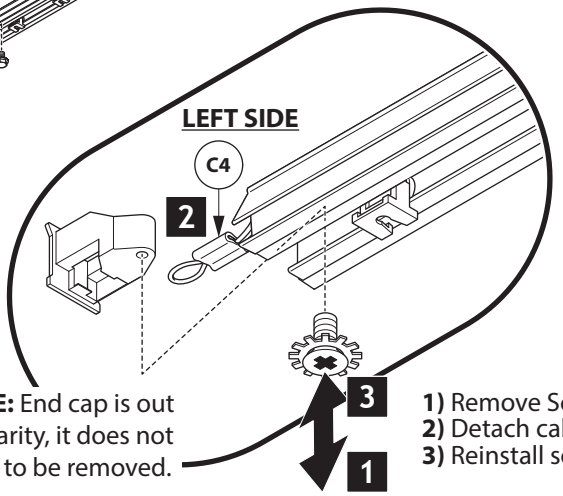
1 **Set curtain track cable to pull from left or right side**



NOTE: Only connect one end of cable. Connect either left side or right side. **NOT BOTH SIDES**.



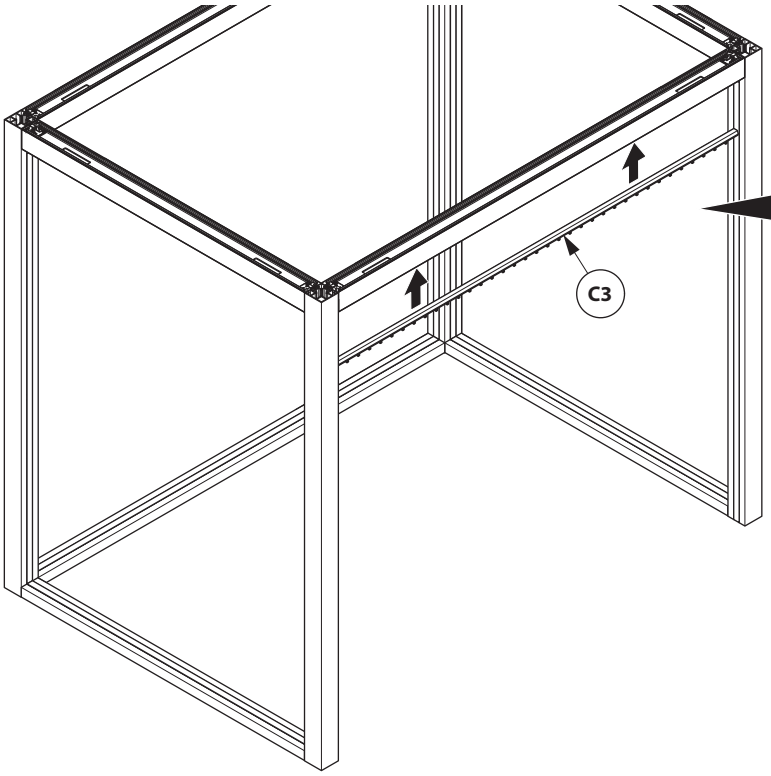
1) Remove screw
2) Remove end cap
3) Insert screw into cable
4) Install end cap and secure with screw

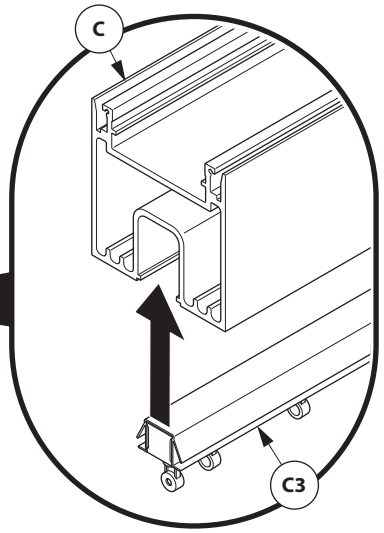


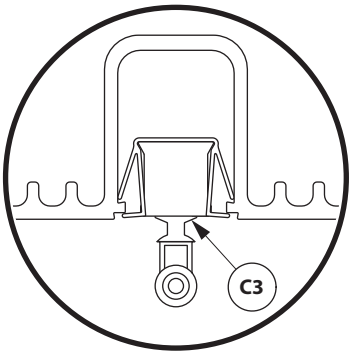
NOTE: End cap is out for clarity, it does not need to be removed.

1) Remove Screw
2) Detach cable from screw
3) Reinstall screw into end cap without cable

2 **Insert curtain track**

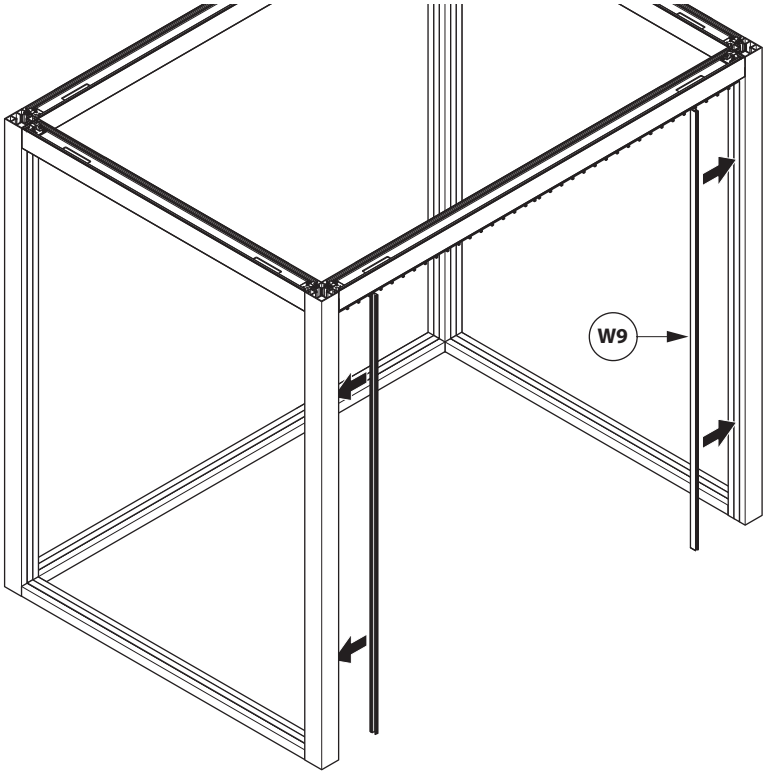


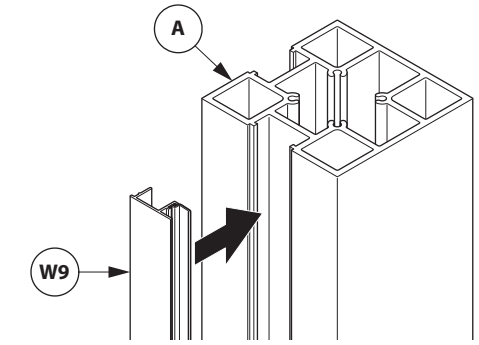


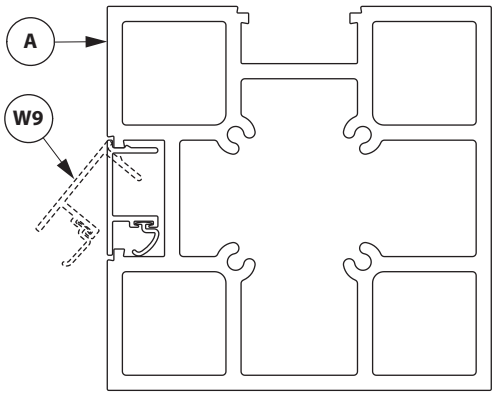


Curtain Installation

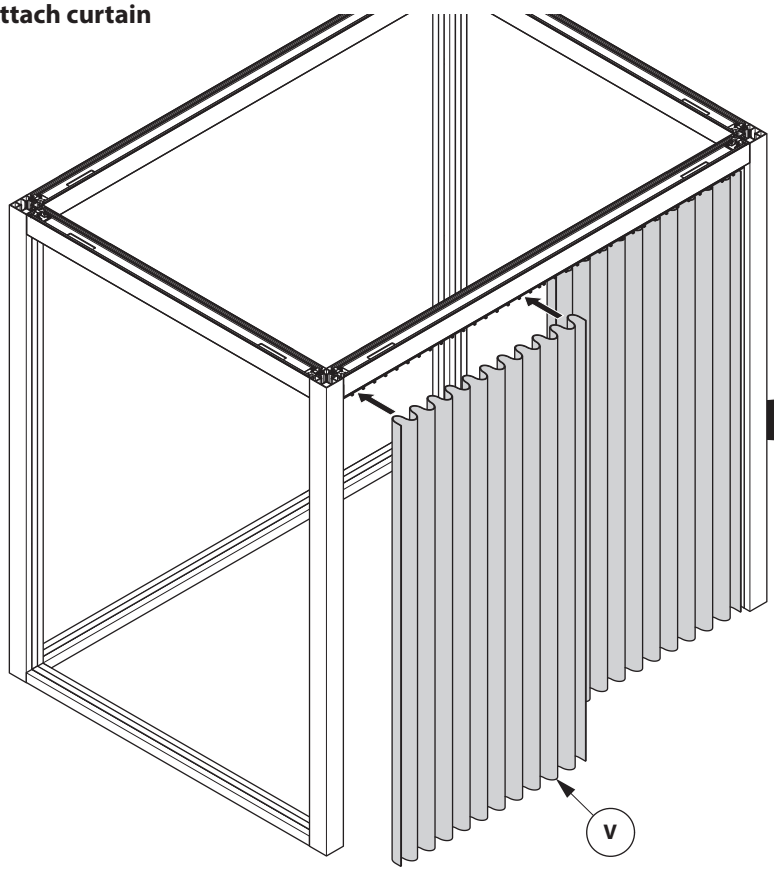
3 Install vertical channel caps

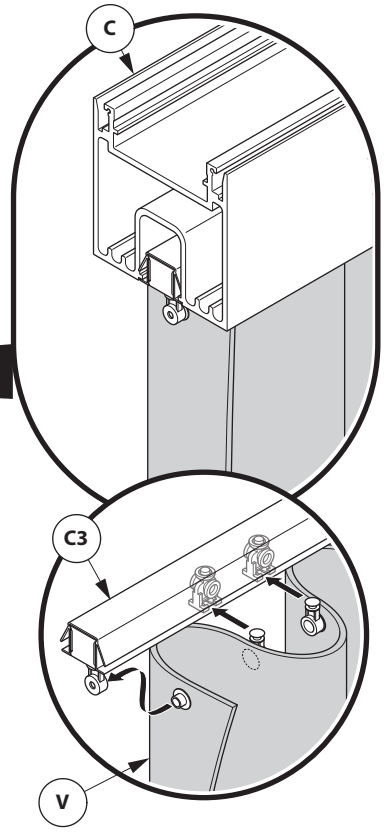






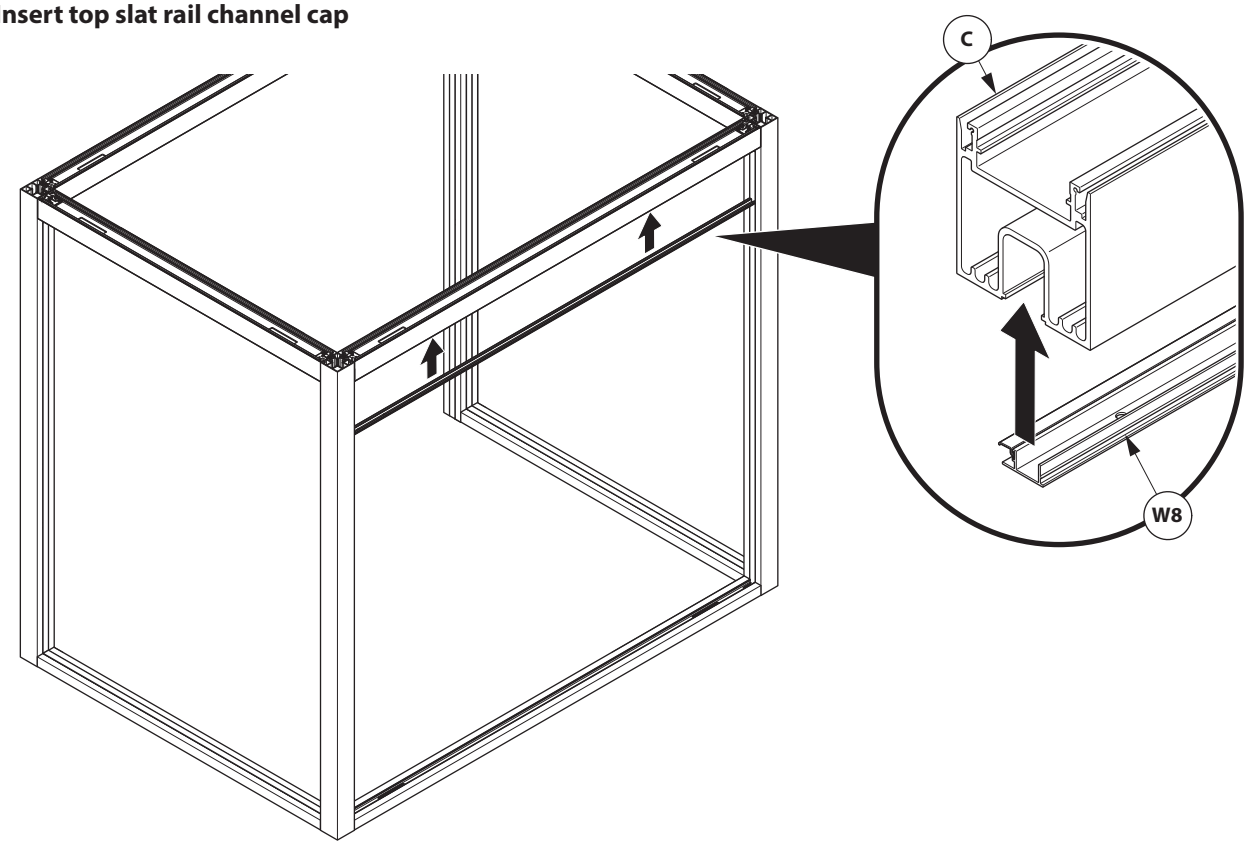
4 Attach curtain



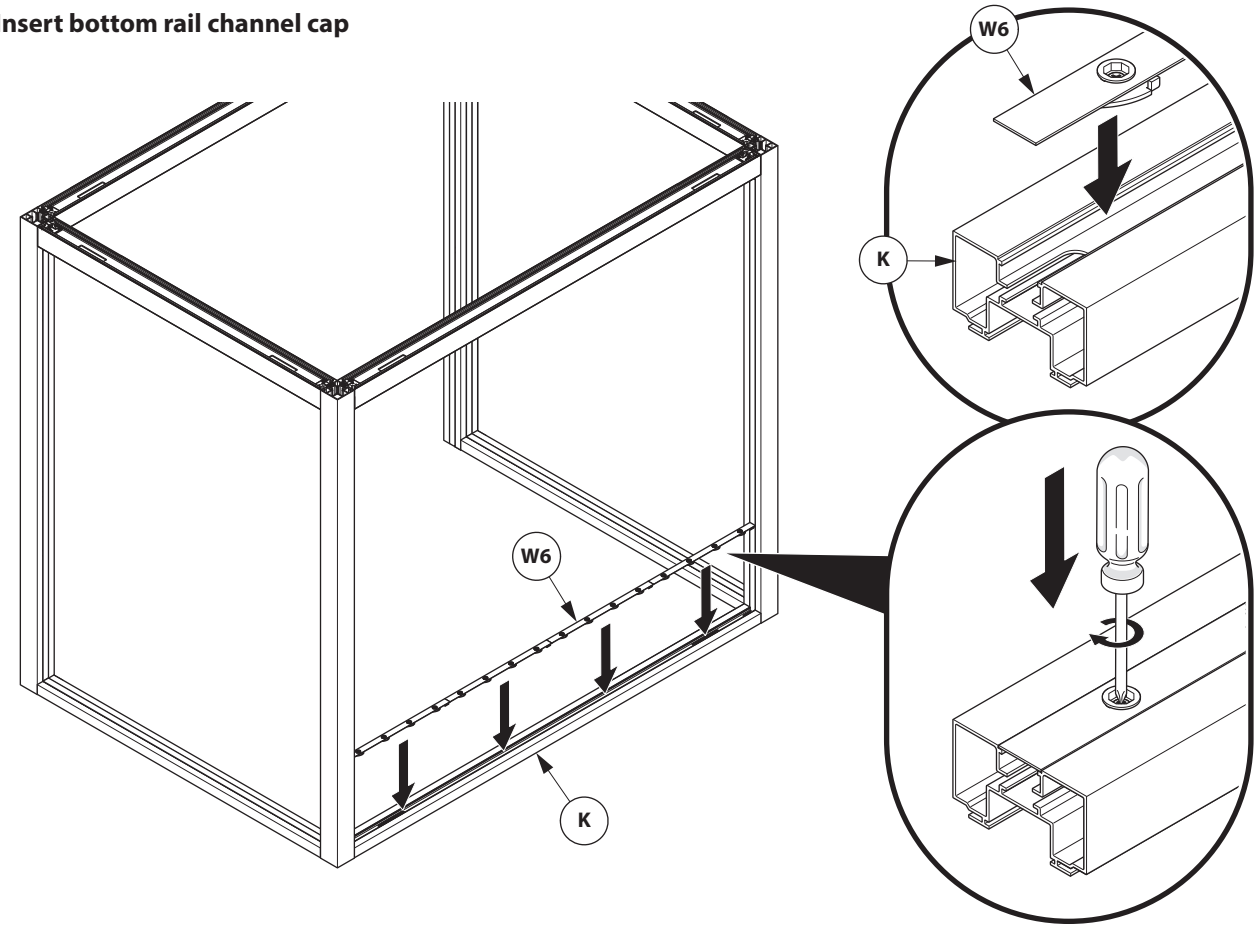


Slat Wall Installation

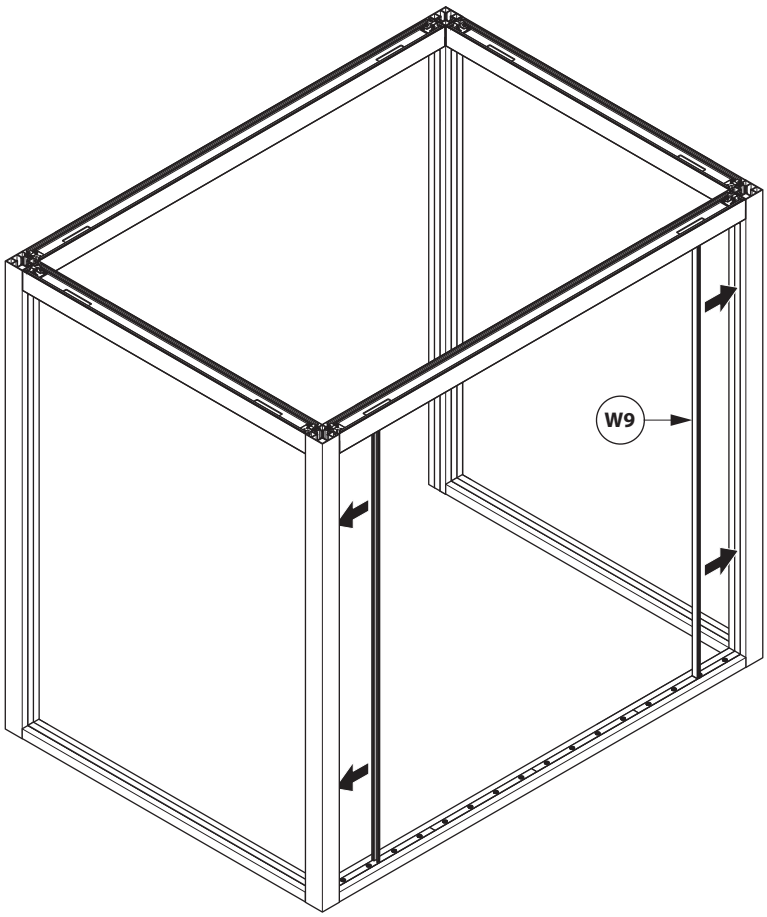
1 **Insert top slat rail channel cap**

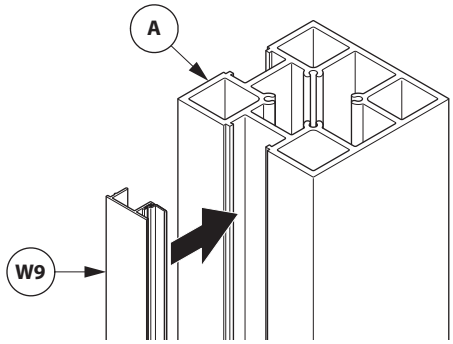


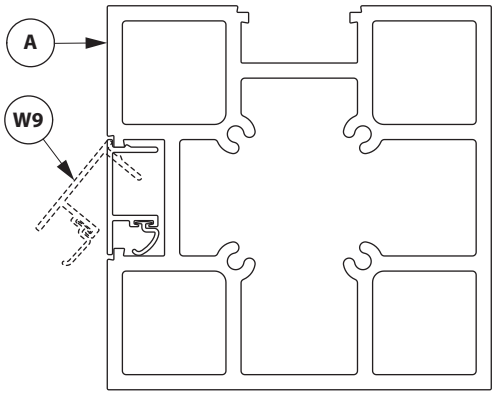
2 **Insert bottom rail channel cap**



3 Install vertical channel caps

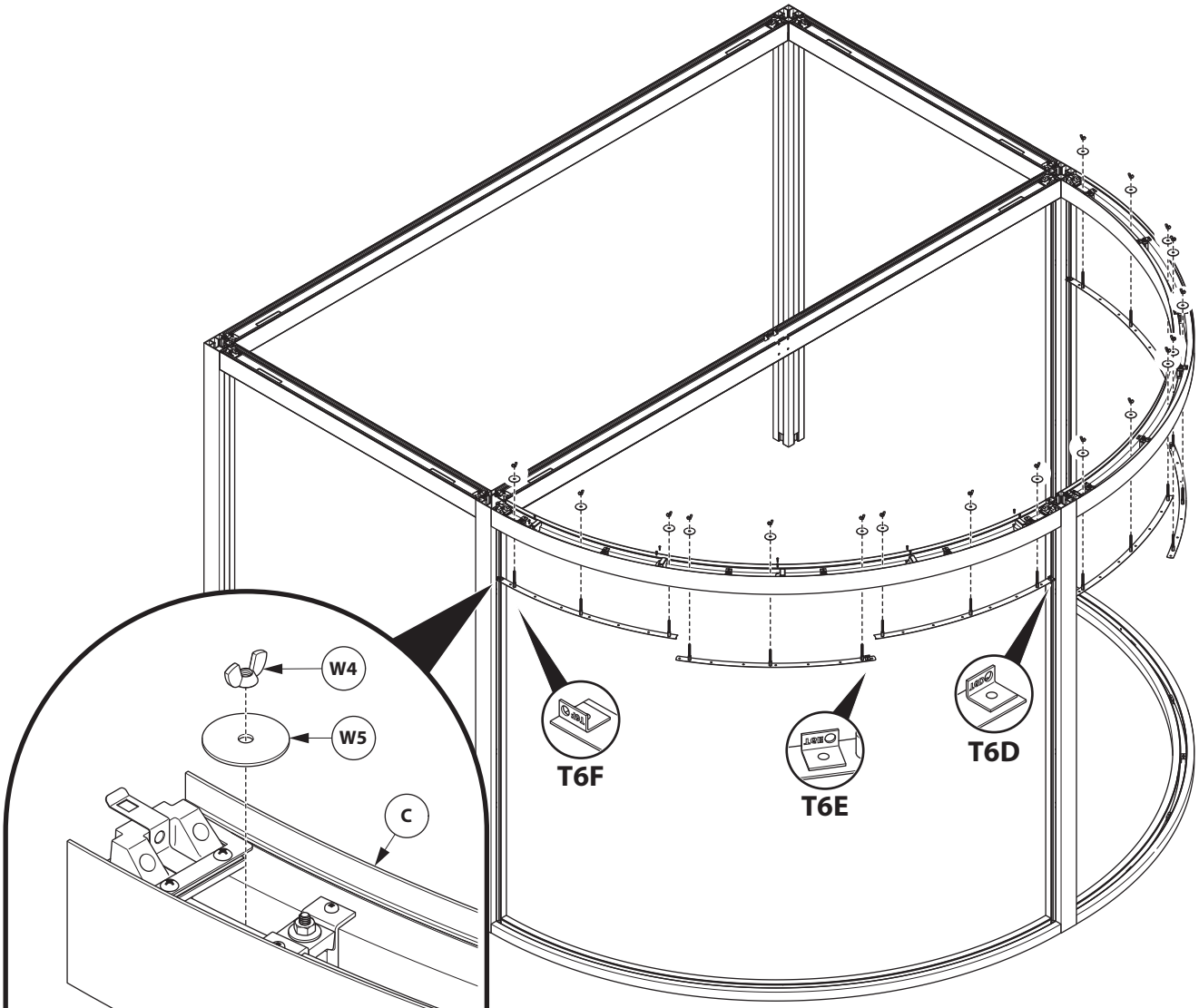




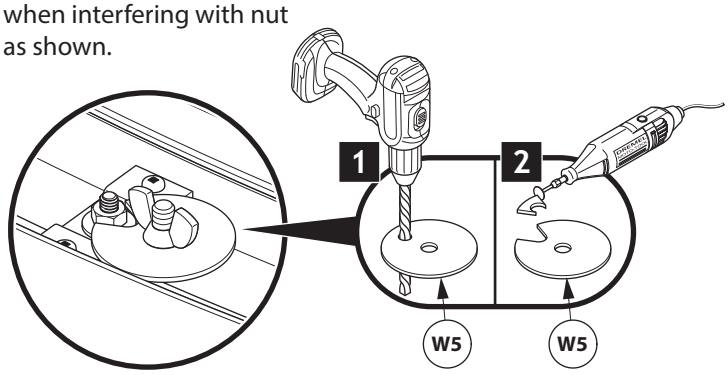


1 Install top channel caps

6' Radius	T6A, T6B, T6C	Aluminum slat top cap, 8" spacing
	T6D, T6E, T6F	Laminate slat top cap, 6" spacing
	T6G	Blank top cap

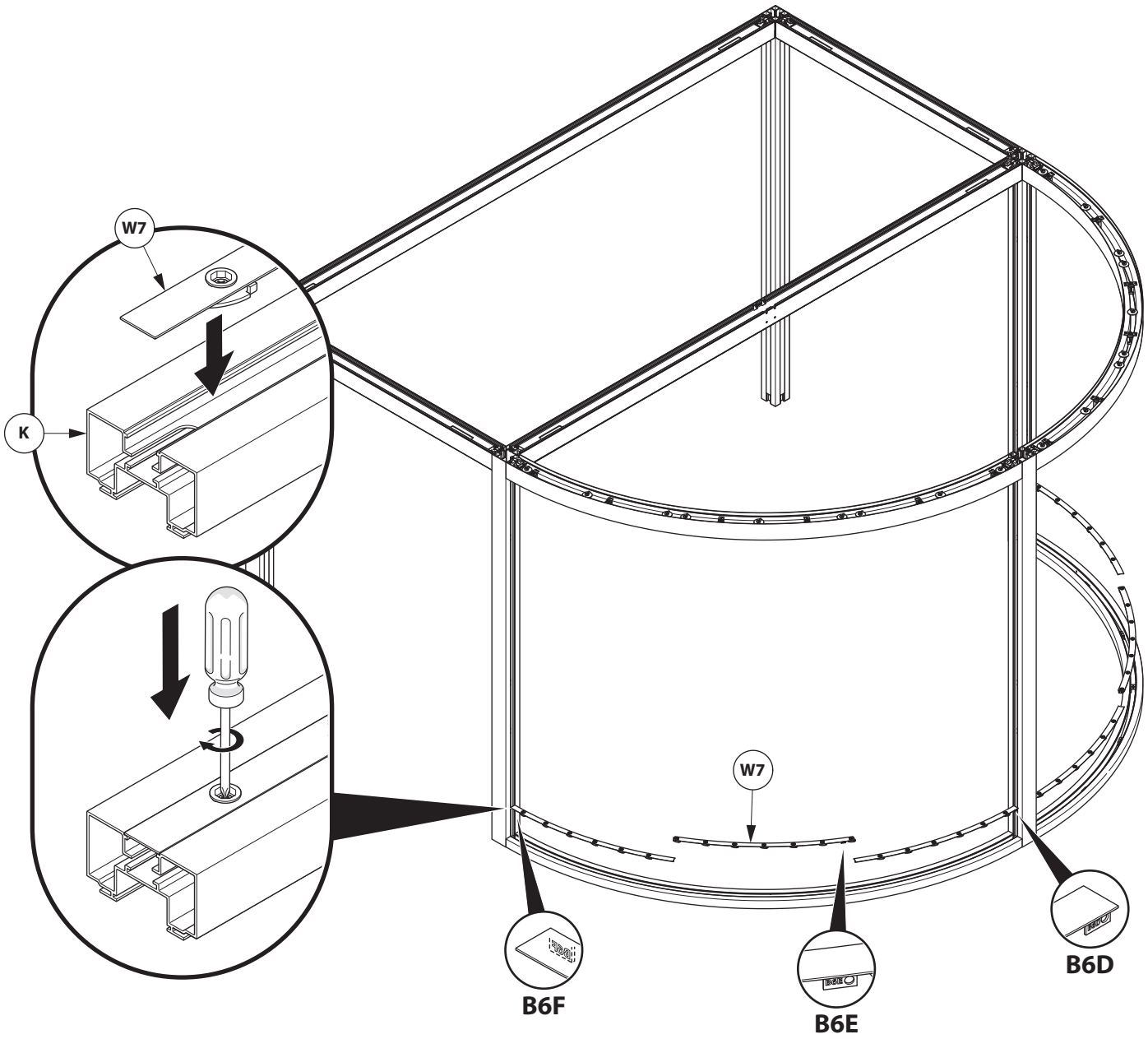


NOTE: Only modify washer when interfering with nut as shown.

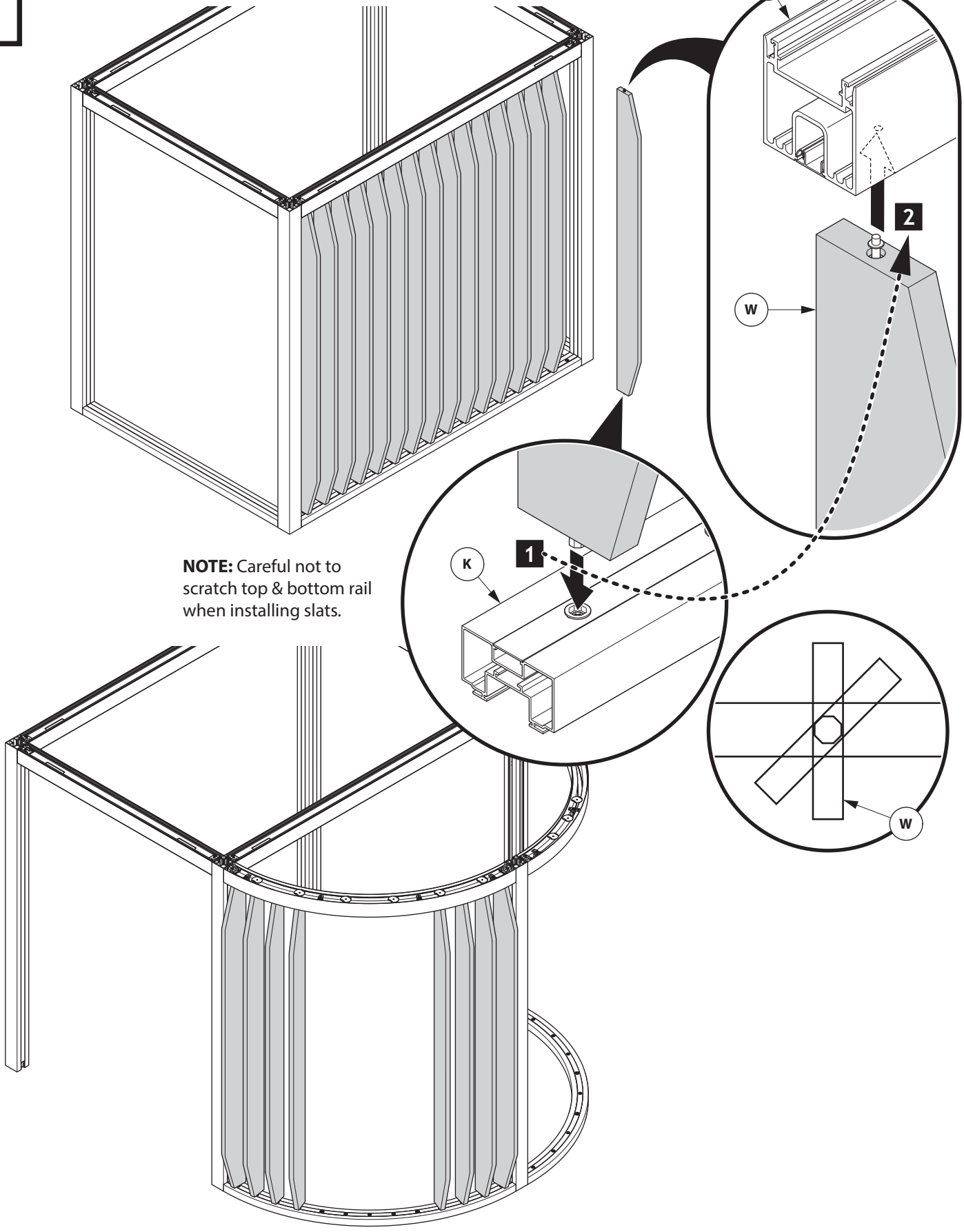


2 Insert bottom channel caps

6' Radius	B6A, B6B, B6C	Aluminum slat bottom cap, 8" spacing
	B6D, B6E, B6F	Laminate slat bottom cap, 6" spacing

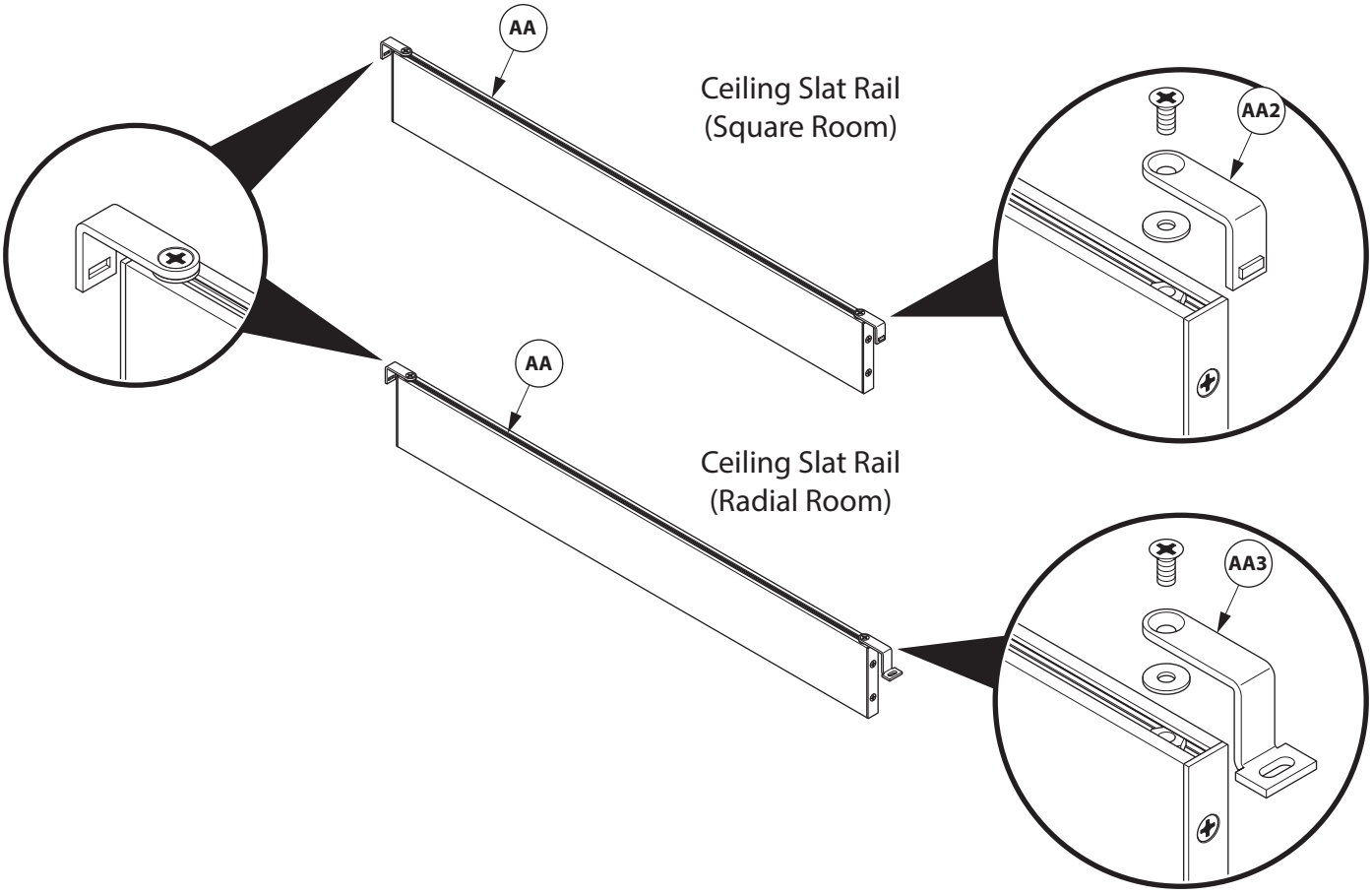


1 **Install slats**



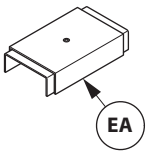
NOTE: Careful not to scratch top & bottom rail when installing slats.

Section 6 - Ceilings

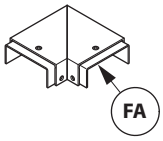


Intersection Covers

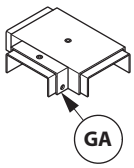
1/2 Round



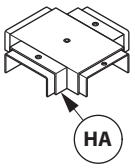
2 Way



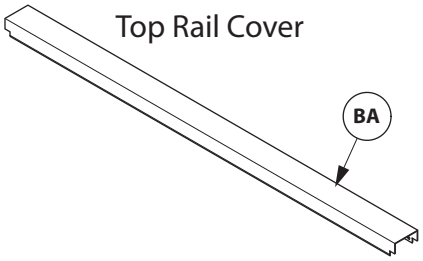
3 Way/Full Round



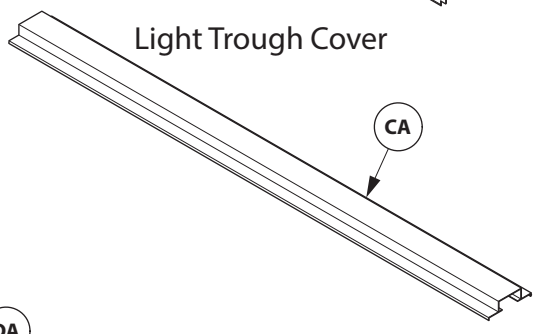
4 Way



Top Rail Cover



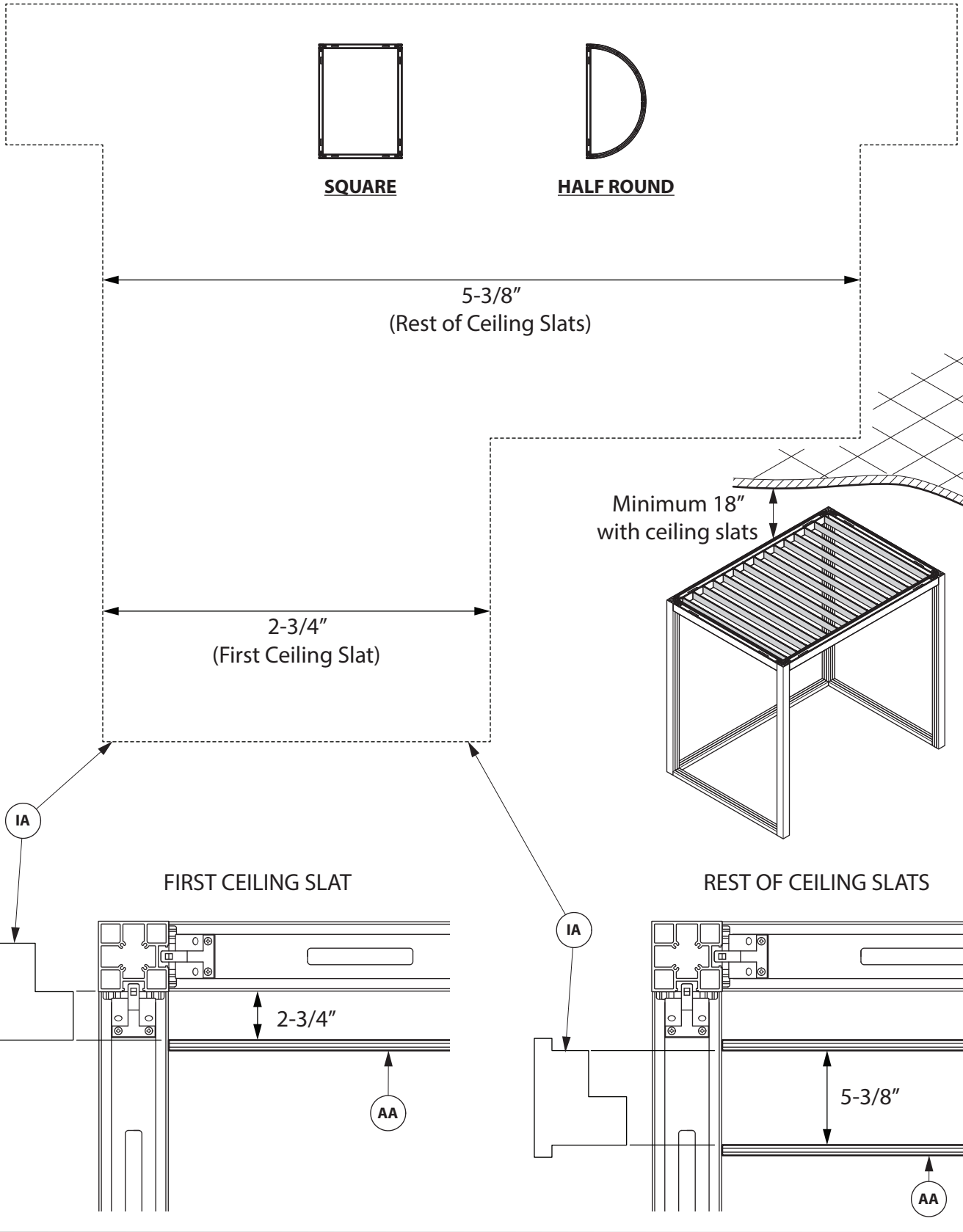
Light Trough Cover





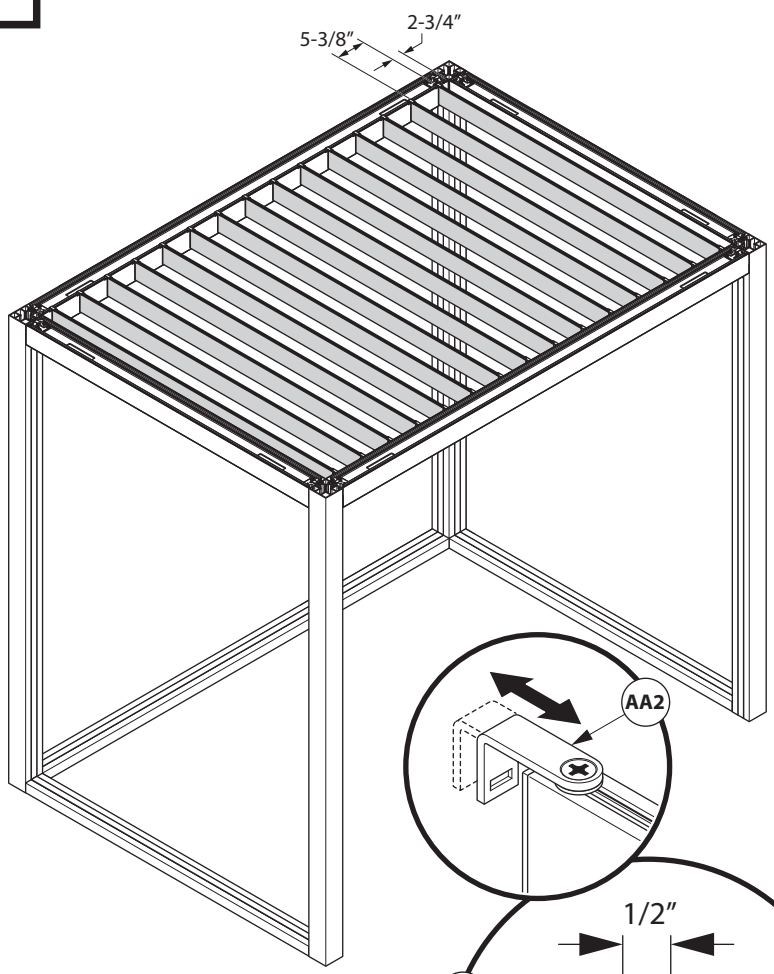
Template - For Square Room & Half Round

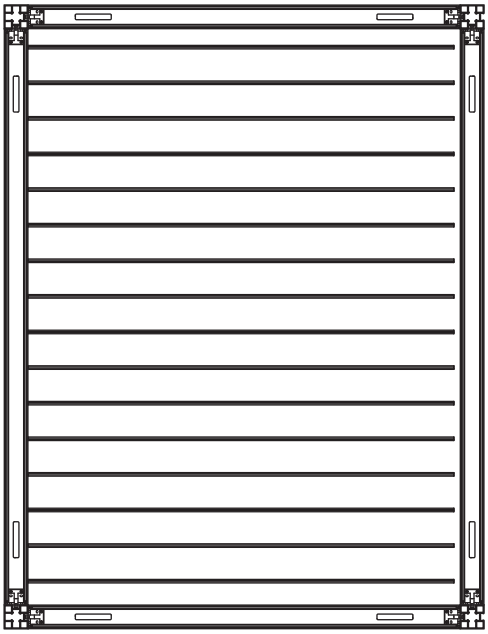
1 **Create a cardboard and/or wood template**

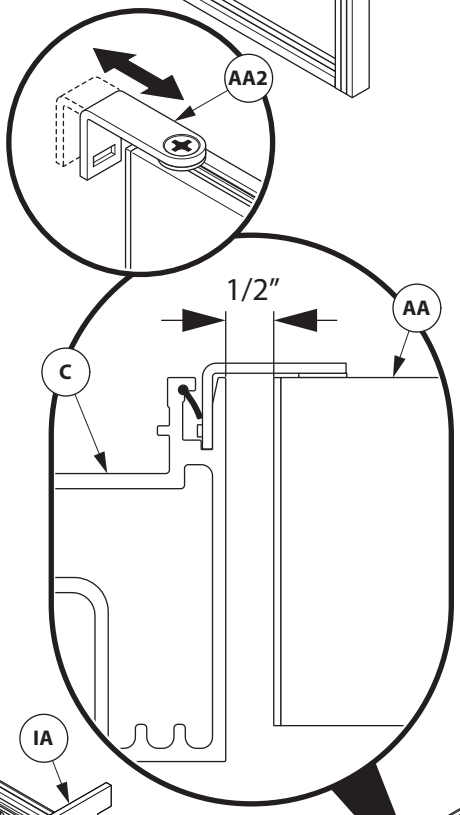


Ceiling Slat Rail Installation - Square Room

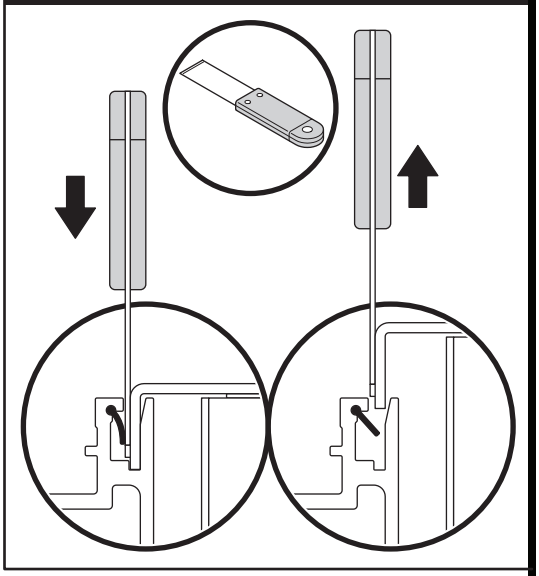
2 **Install Ceiling Slats**



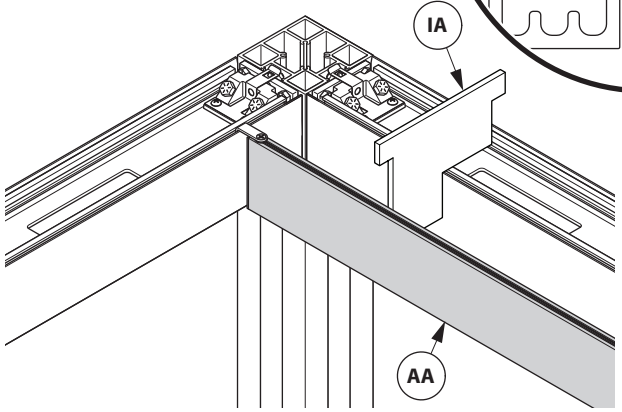




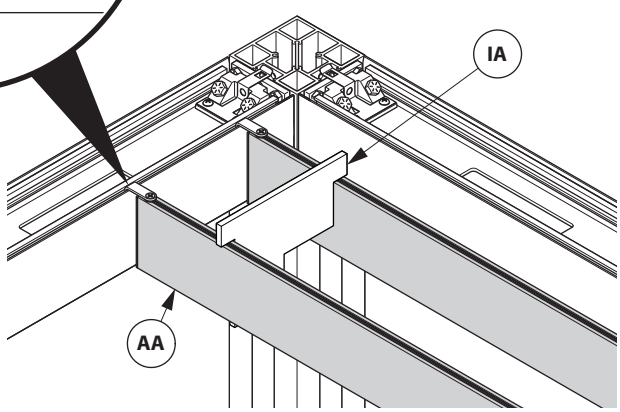
FOR REMOVING SLAT - USE A PUTTY KNIFE



2-3/4″ (69.5mm)

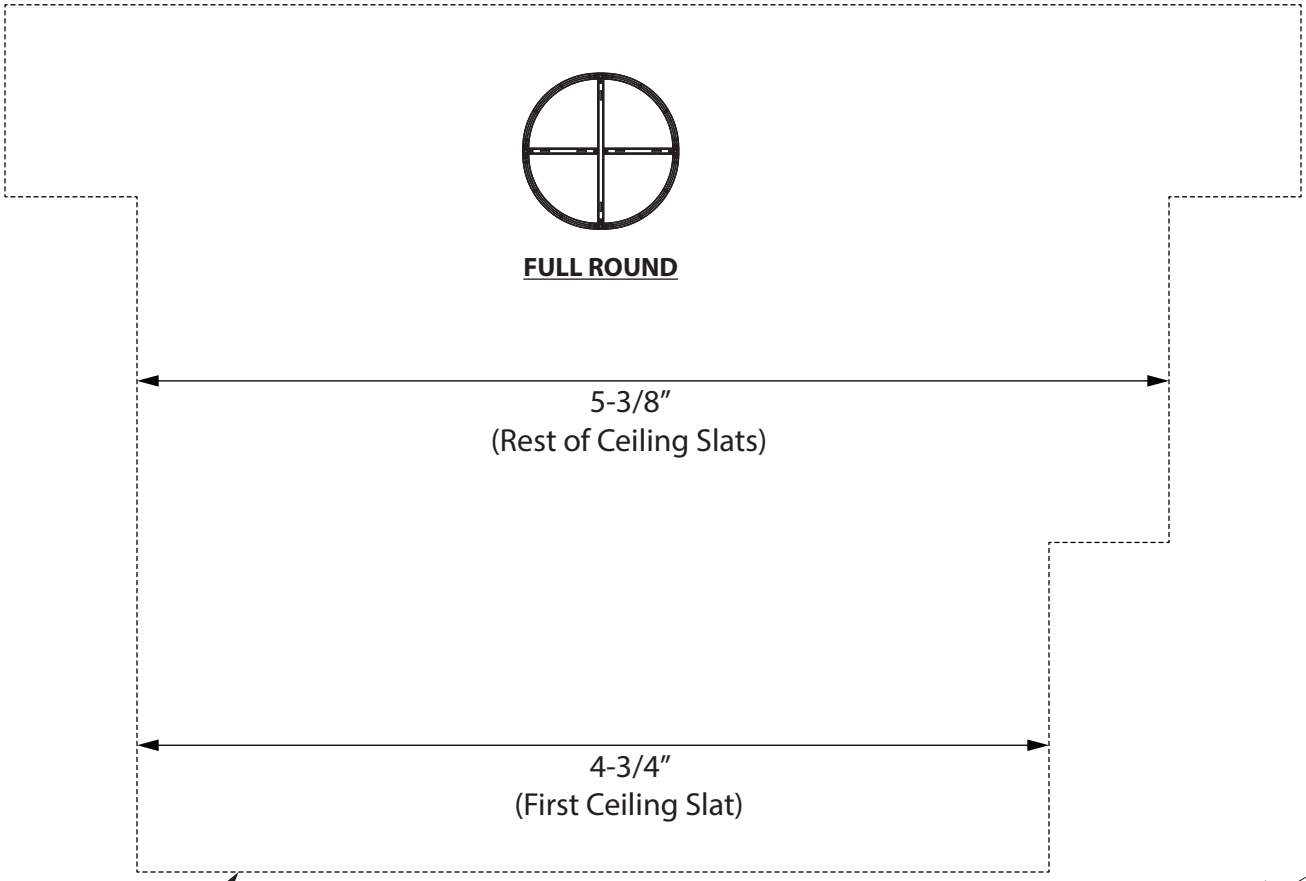


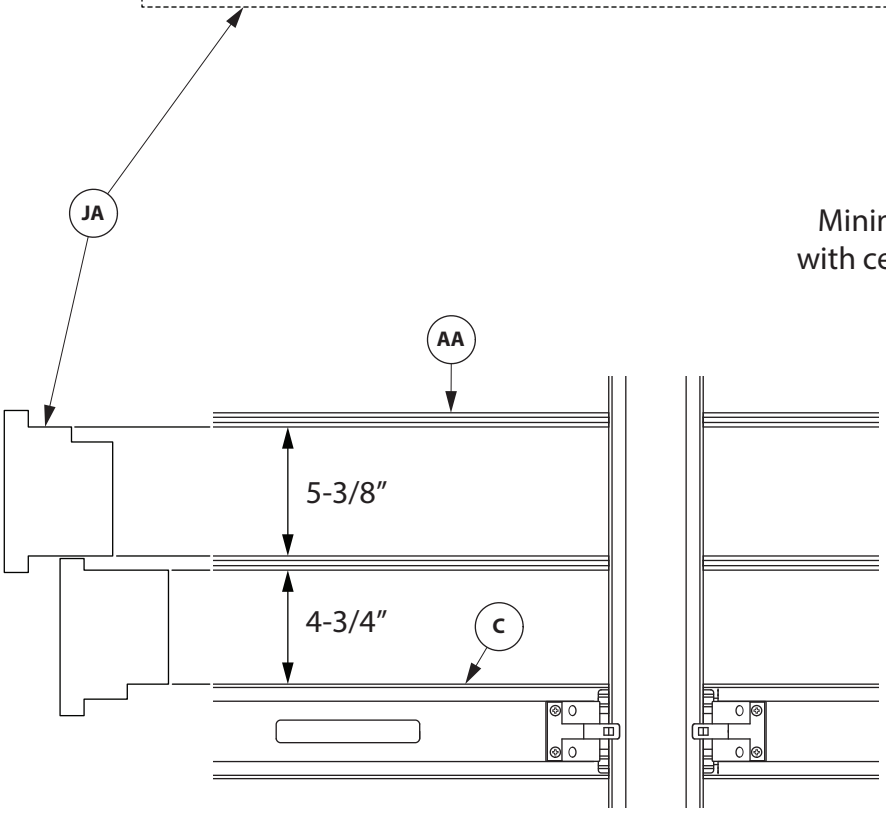
5-3/8″

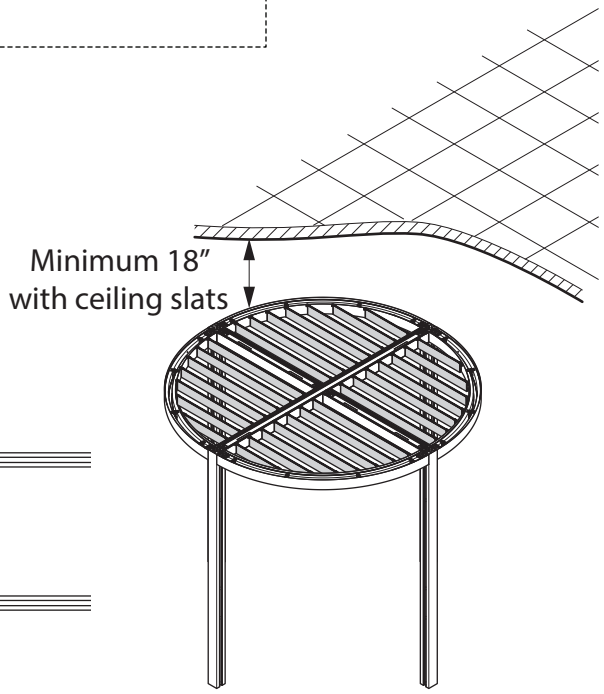


Template - For Full Round

1 **Create a cardboard and/or wood template**

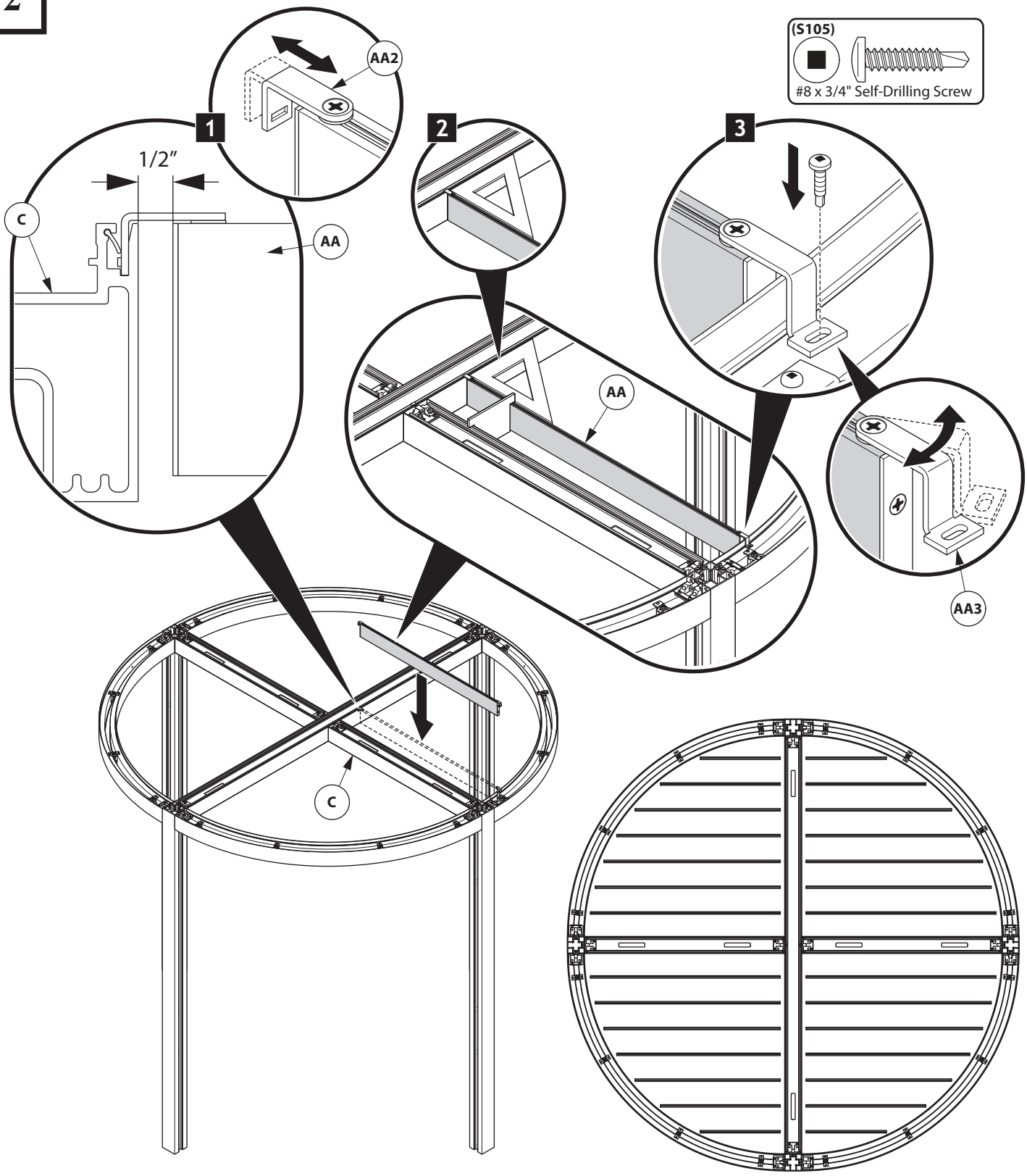






Ceiling Slat Rail Installation - Full Round Room

2 **Install Ceiling Slats**

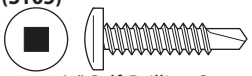


Top Rail Cover Support Brackets

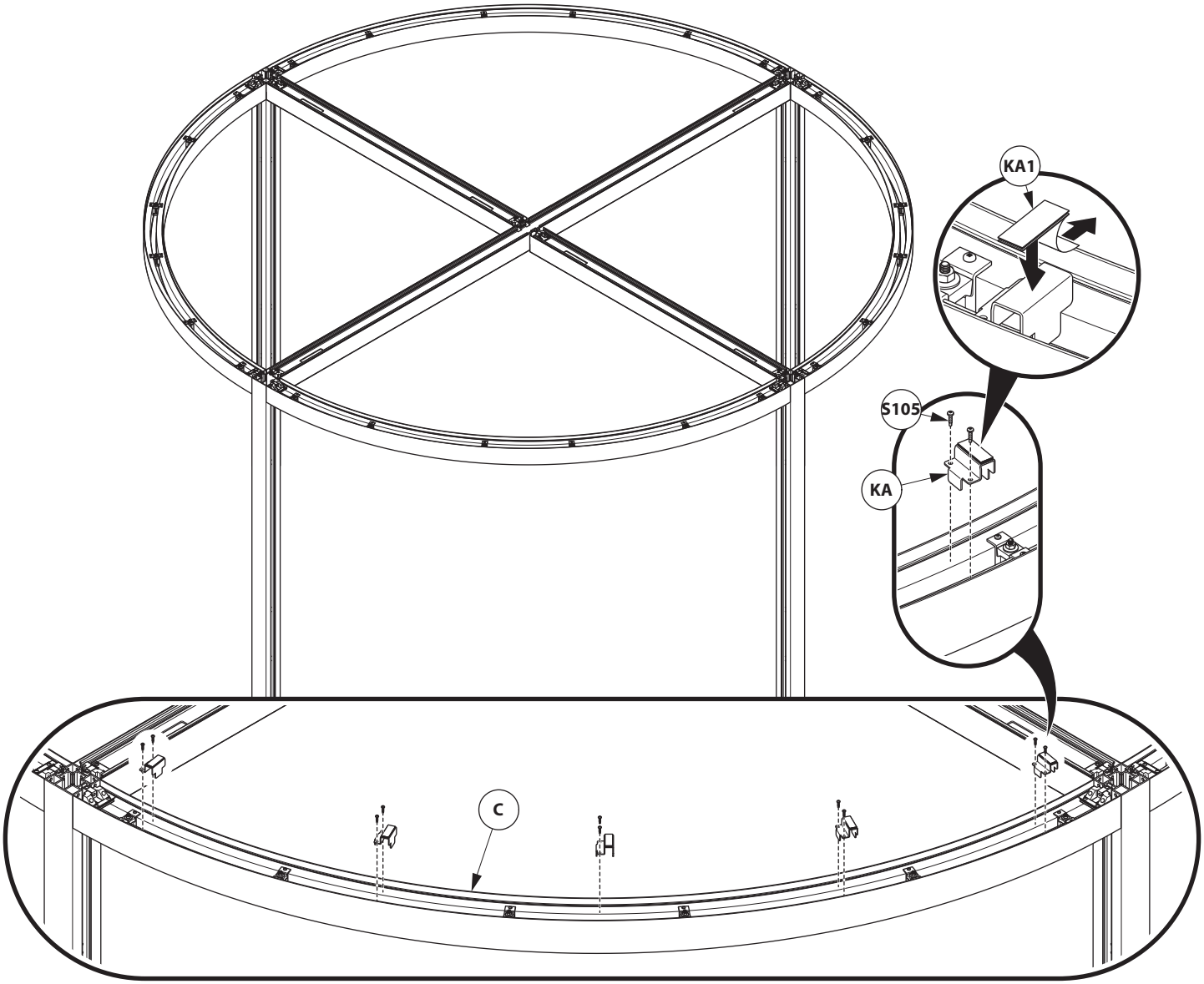
1 **Install radial top cover support bracket (5 per rail section)**

2 **Repeat for each radial section**

(S105)



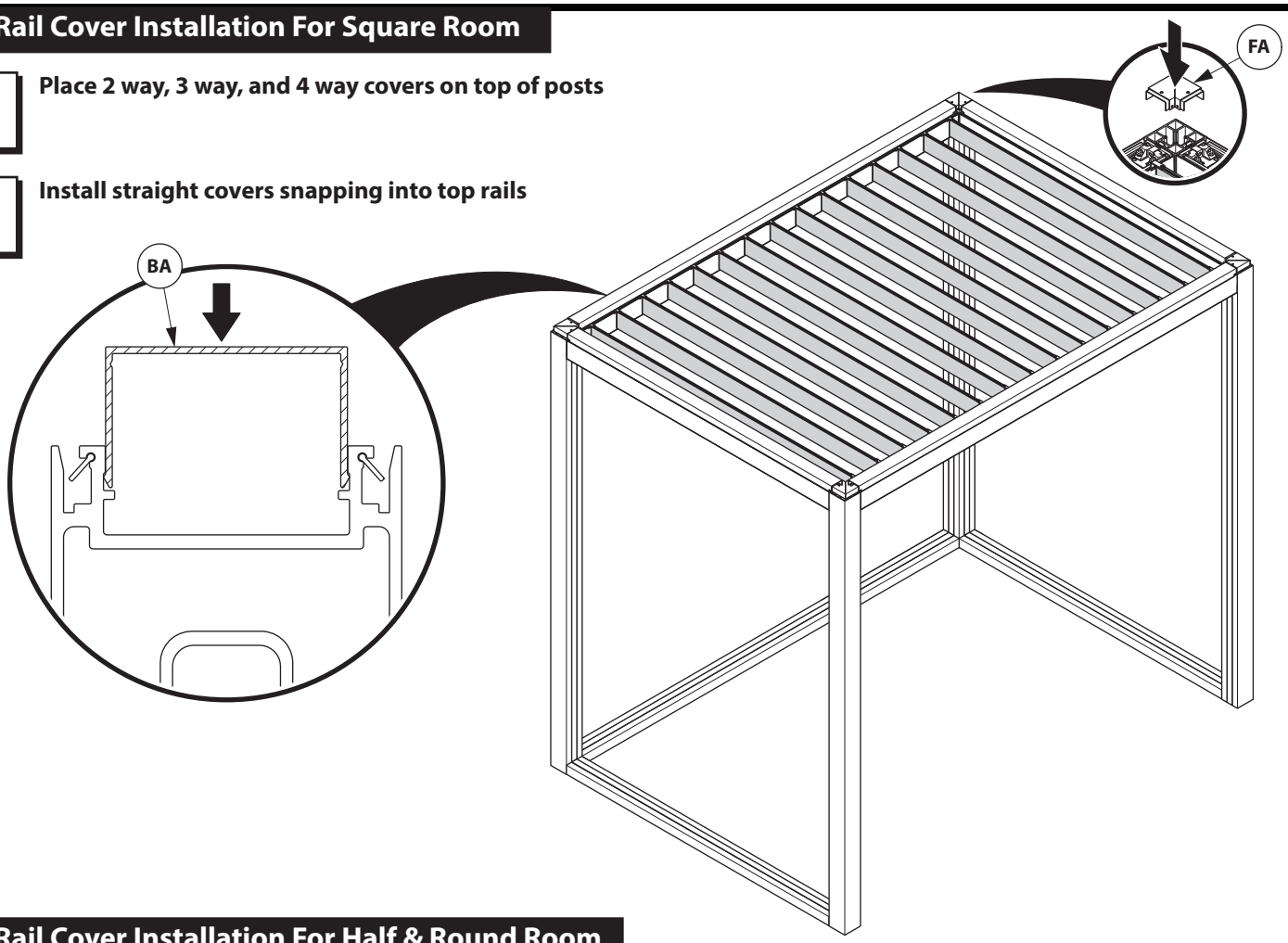
#8 x 3/4" Self-Drilling Screw



Top Rail Cover Installation For Square Room

1 Place 2 way, 3 way, and 4 way covers on top of posts

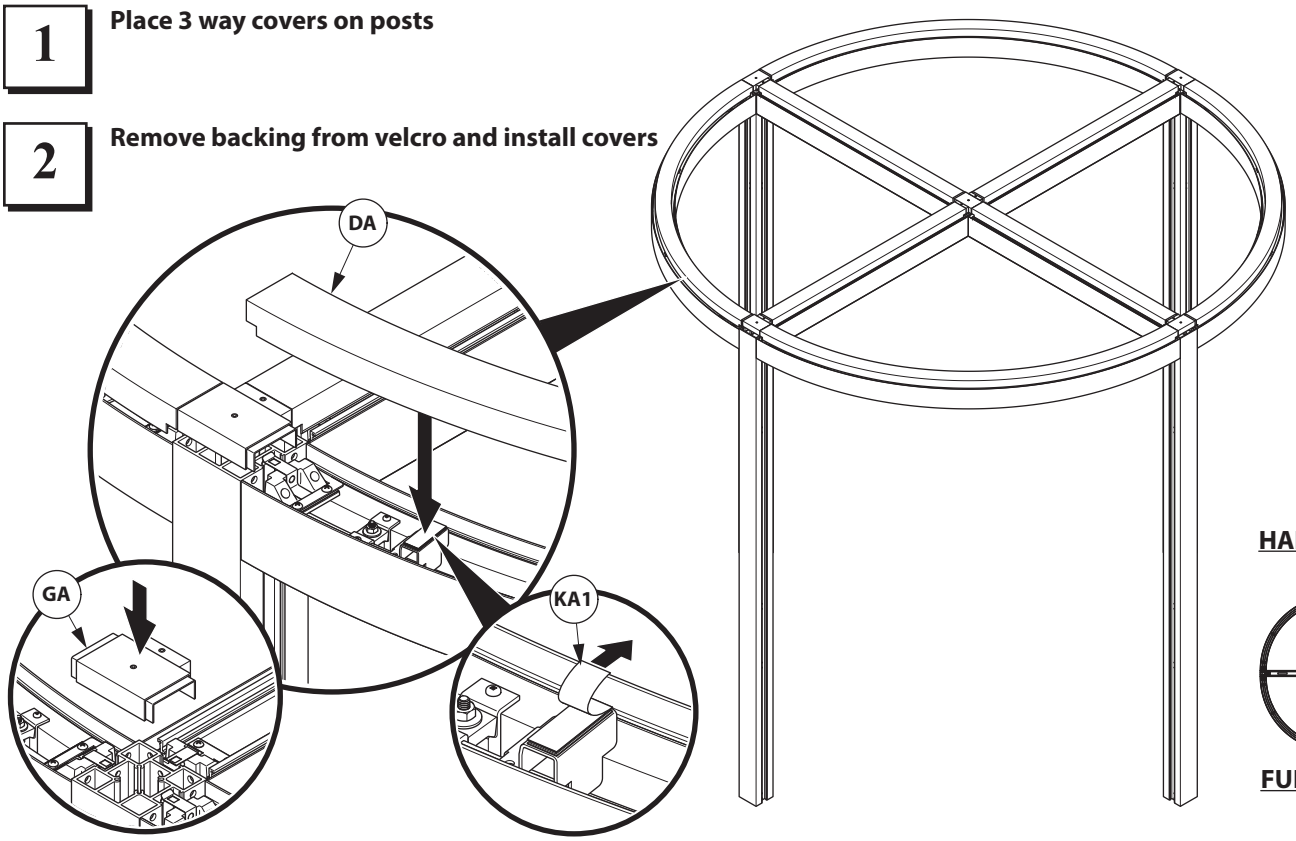
2 Install straight covers snapping into top rails

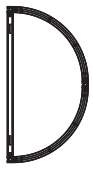


Top Rail Cover Installation For Half & Round Room

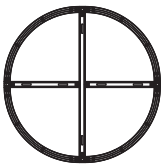
1 Place 3 way covers on posts

2 Remove backing from velcro and install covers





HALF ROUND

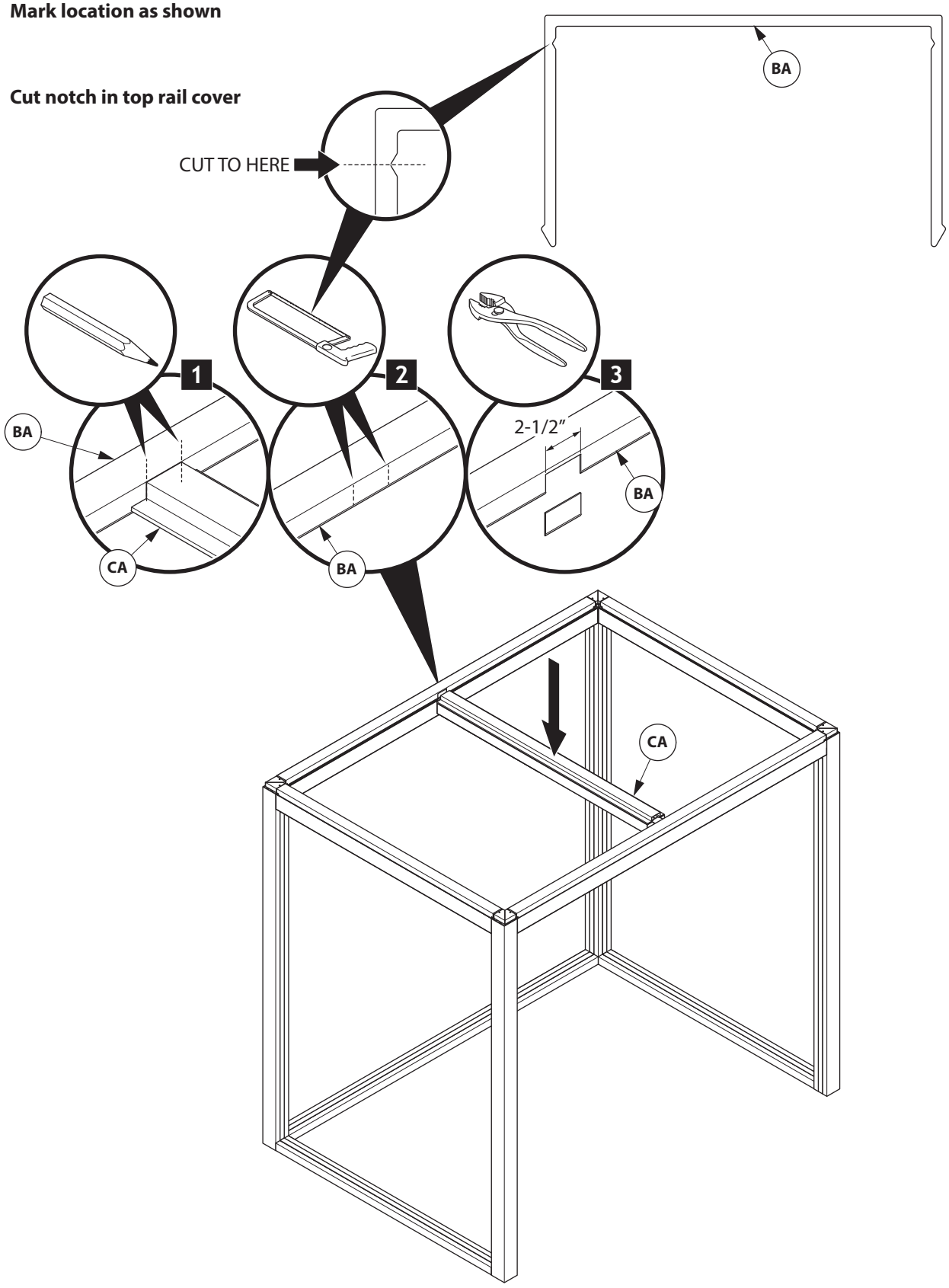


FULL ROUND

Light Trough Cover Installation

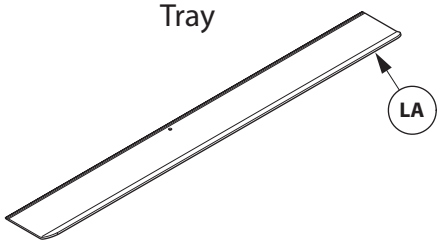
1 **Mark location as shown**

2 **Cut notch in top rail cover**

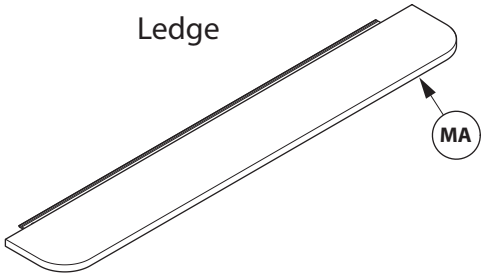


Section 7 - Accessories

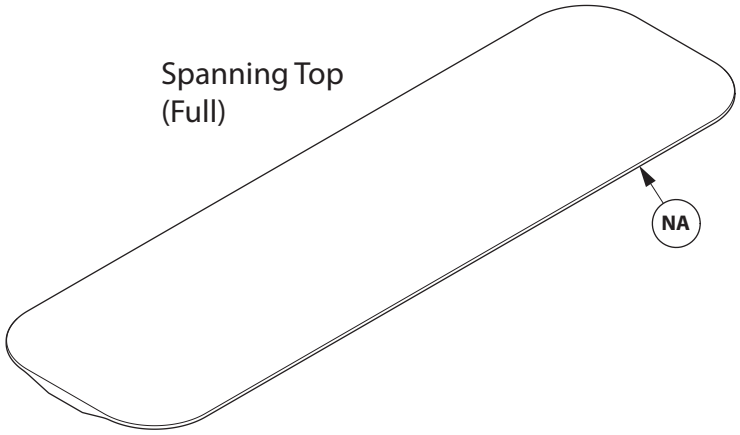
Tray



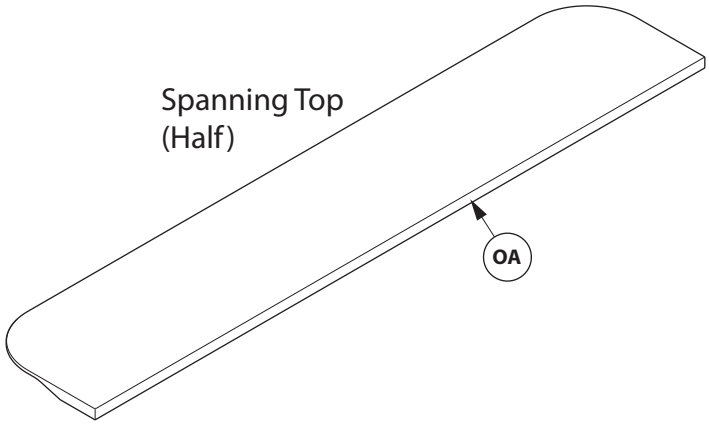
Ledge



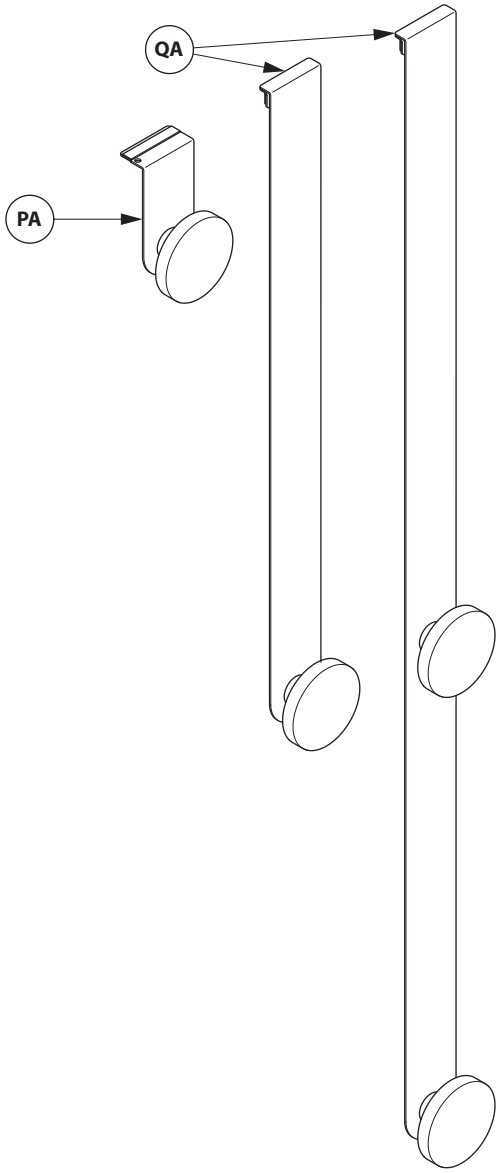
Spanning Top
(Full)



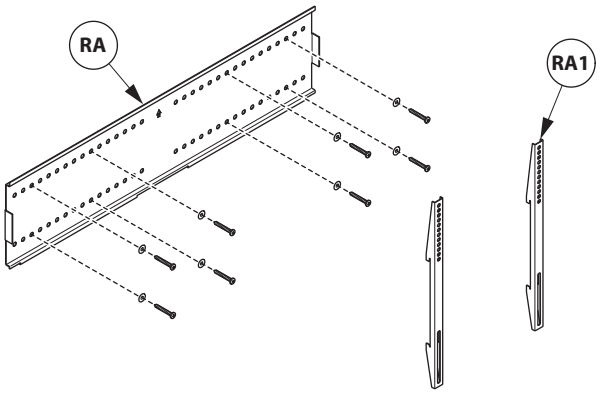
Spanning Top
(Half)



Coat Hanger

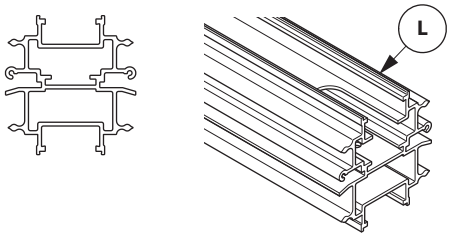


TV Mount (Workware)

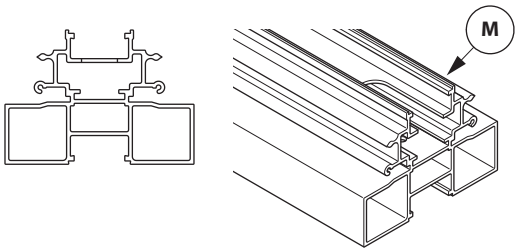


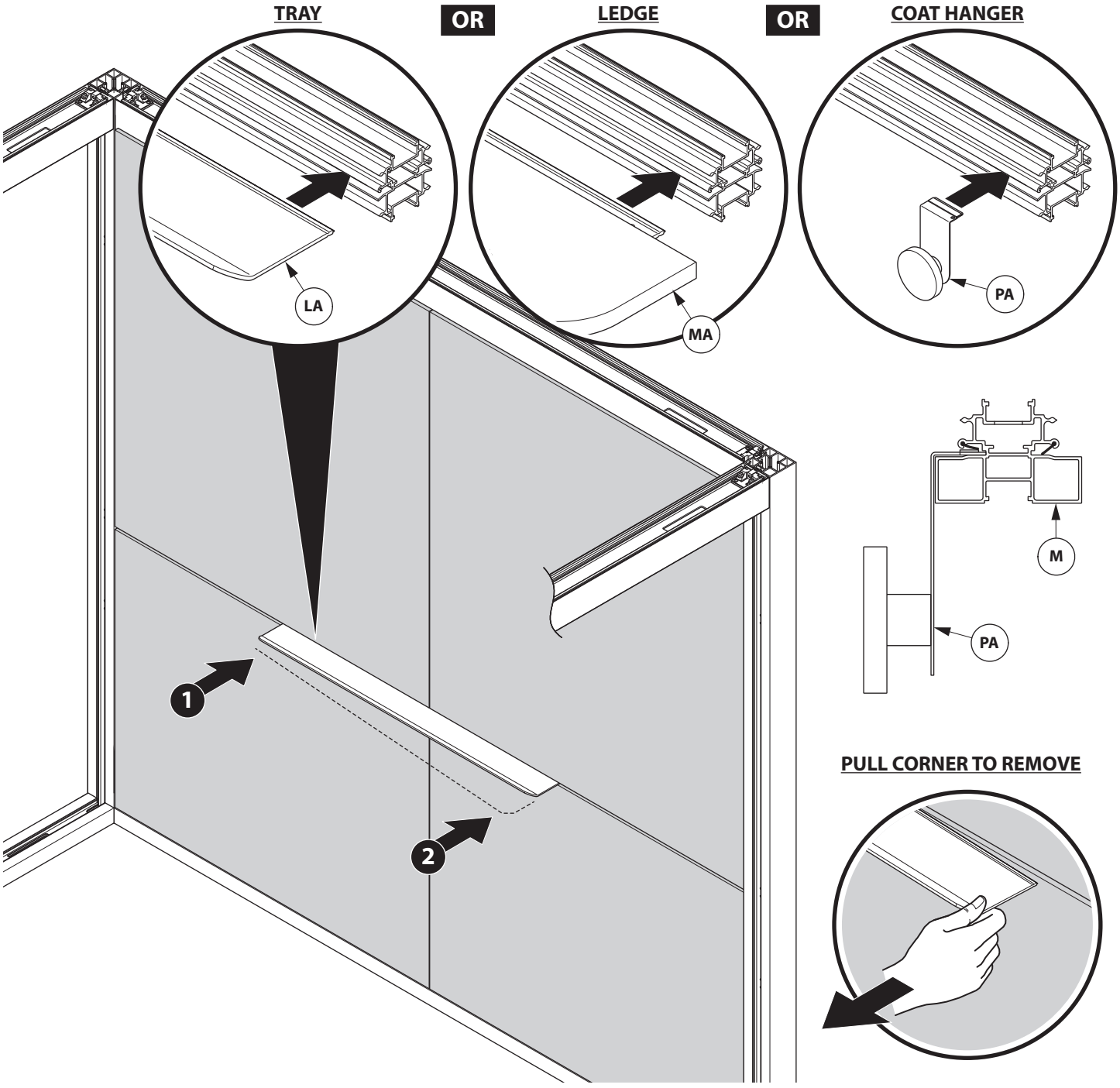
Tray or Ledge Installation

Horizontal Tile Rail - Tile



Horizontal Tile-Insert Rail

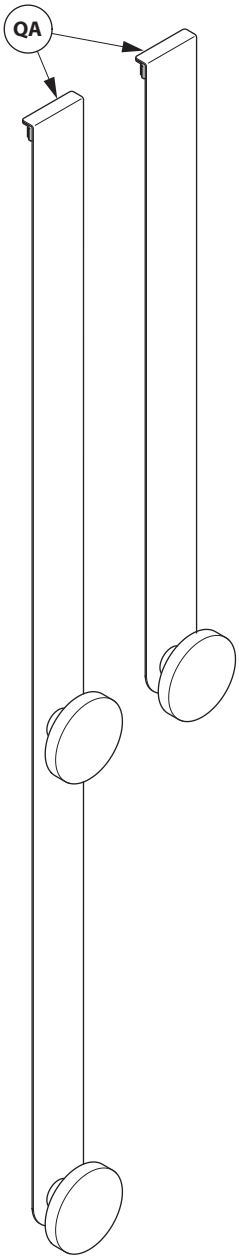




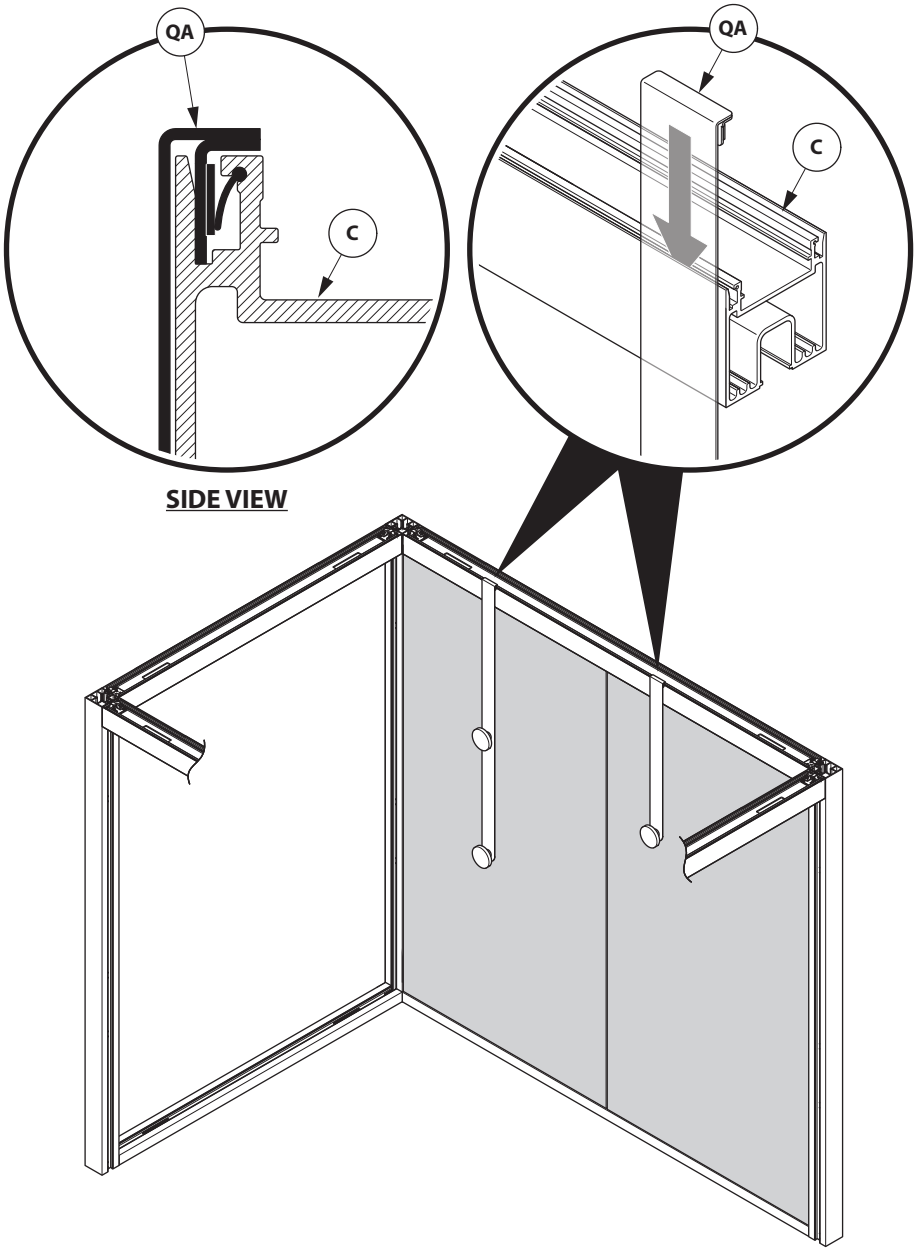
PULL CORNER TO REMOVE

Coat Hanger Installation

1 **Install hanger to top rail**



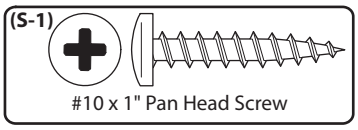
NOTE: Make sure the coat hanger is fully engaged.



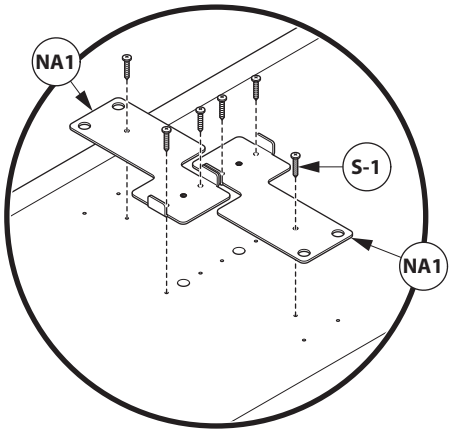
SIDE VIEW

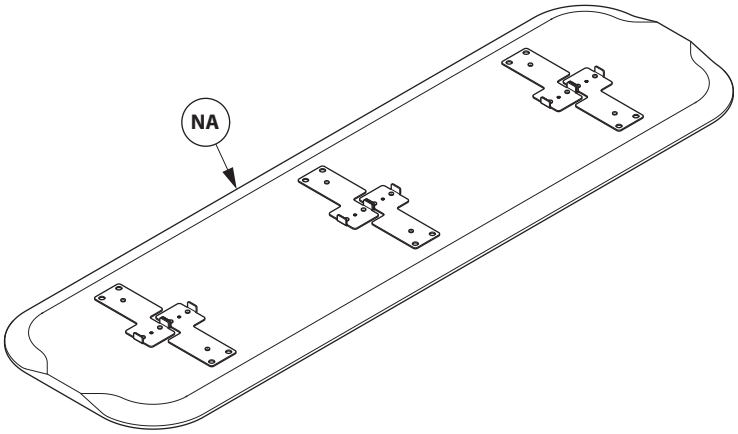
Spanning Top Installation

1 **Install plates to underside of top**

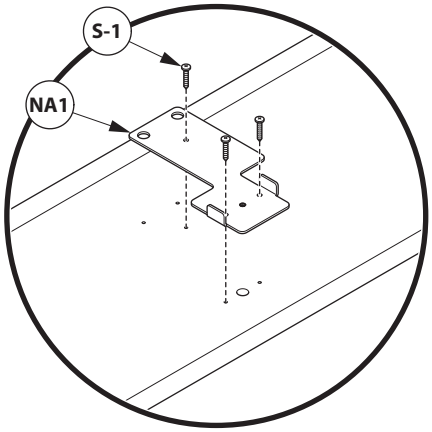


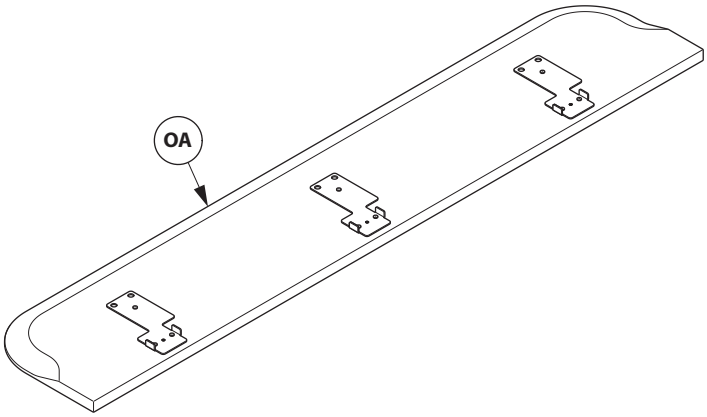
FULL



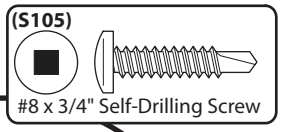


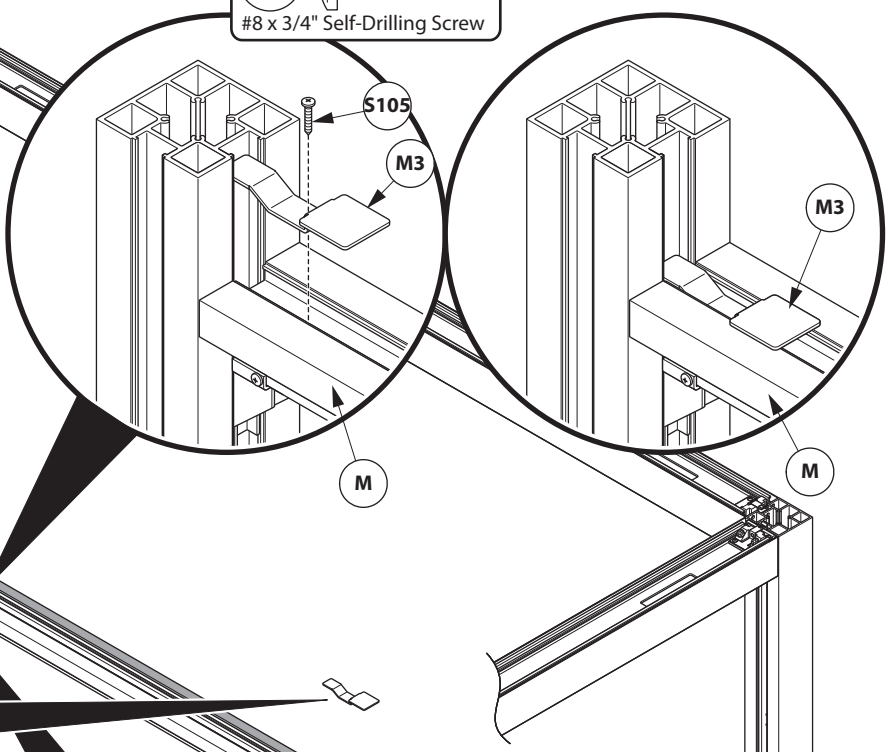
HALF

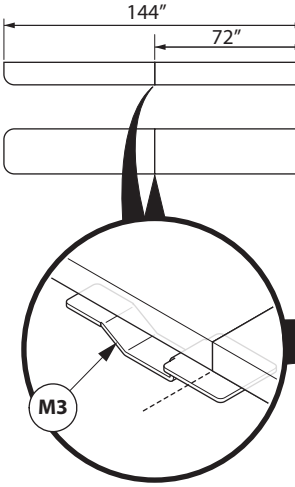




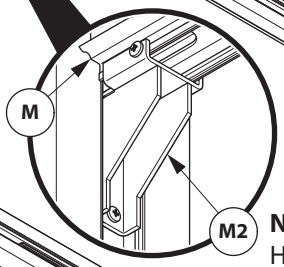
2 Install anti-twist brackets and foam tape



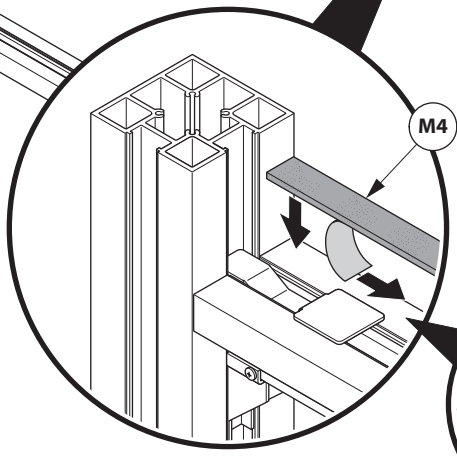


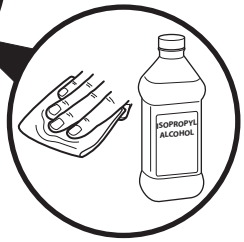


NOTE: 3rd bracket is for split tops only. Make sure the square end of the bracket is centered supporting both tops.



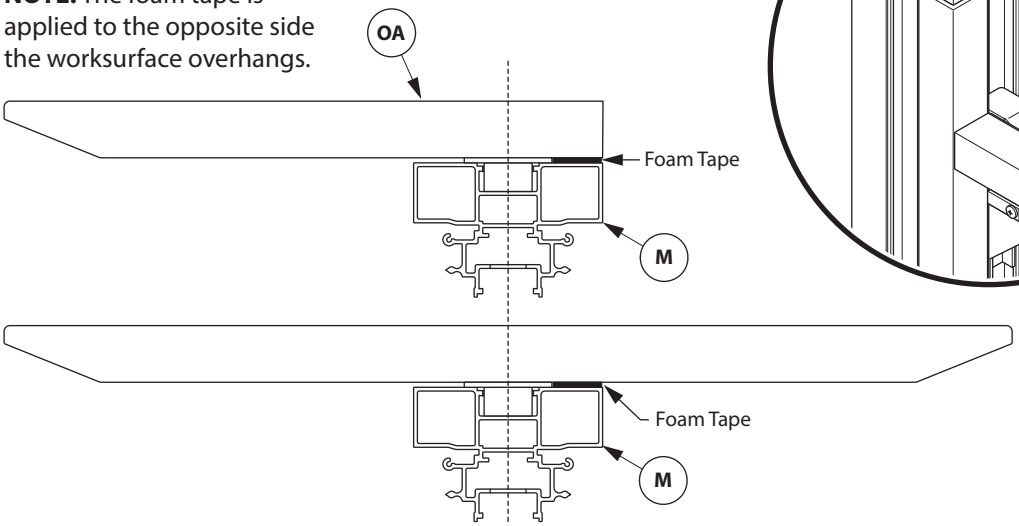
NOTE: Refer to **Section 3**, Horizontal Tile - Insert Rail - Support Bracket **(M2)**.





NOTE: Wipe mounting surface area with Isopropyl Alcohol to ensure area cleaned and achieve full bond.

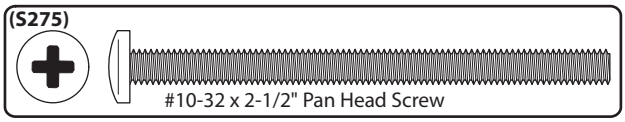
NOTE: The foam tape is applied to the opposite side the worksurface overhangs.

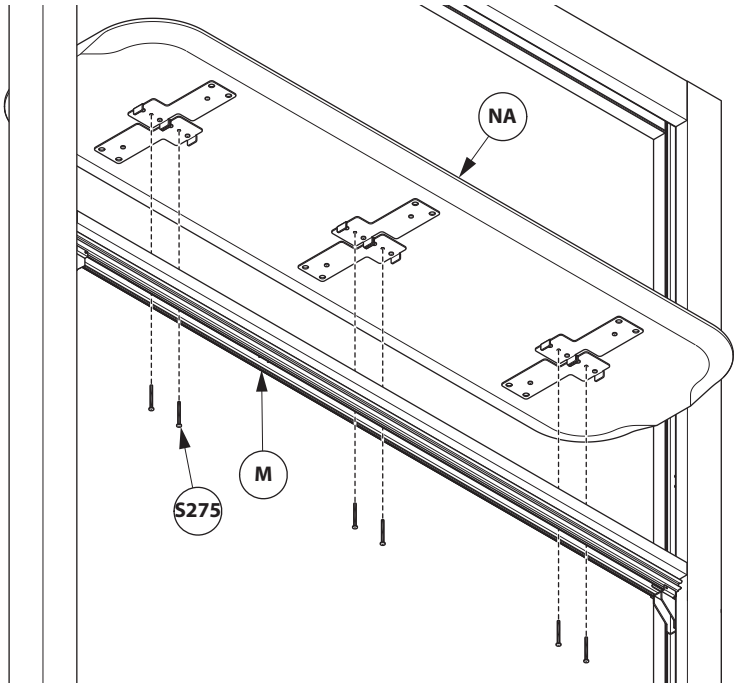


Shelf Top Installation

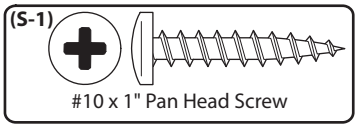
3 Install shelf top to horizontal tile rail

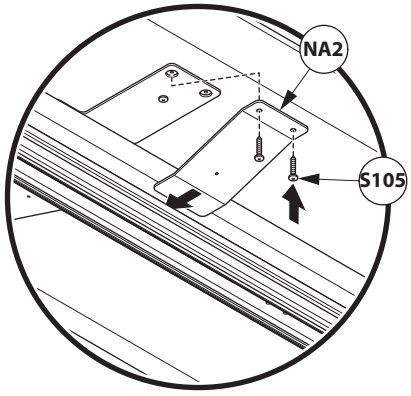
NOTE: Careful not to scratch top of rail in case of future reloacation.

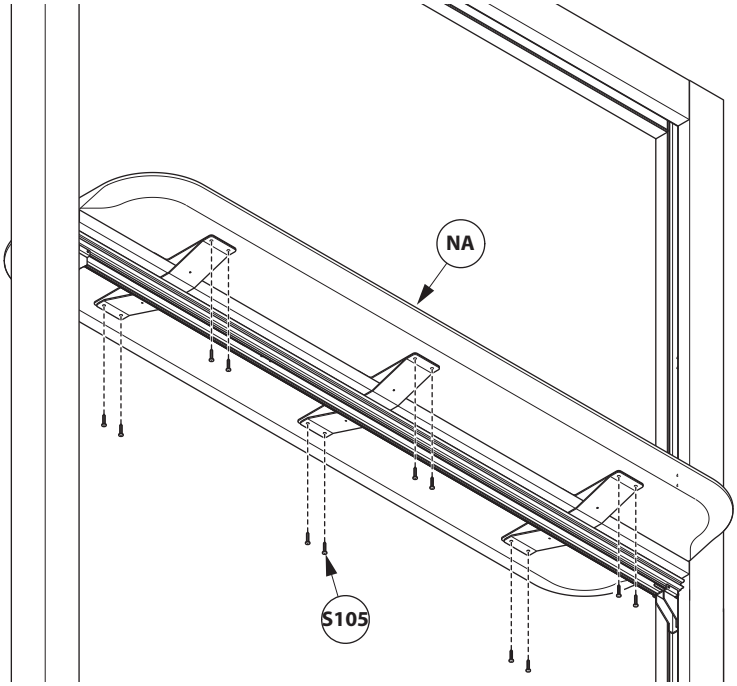




4 Install brackets

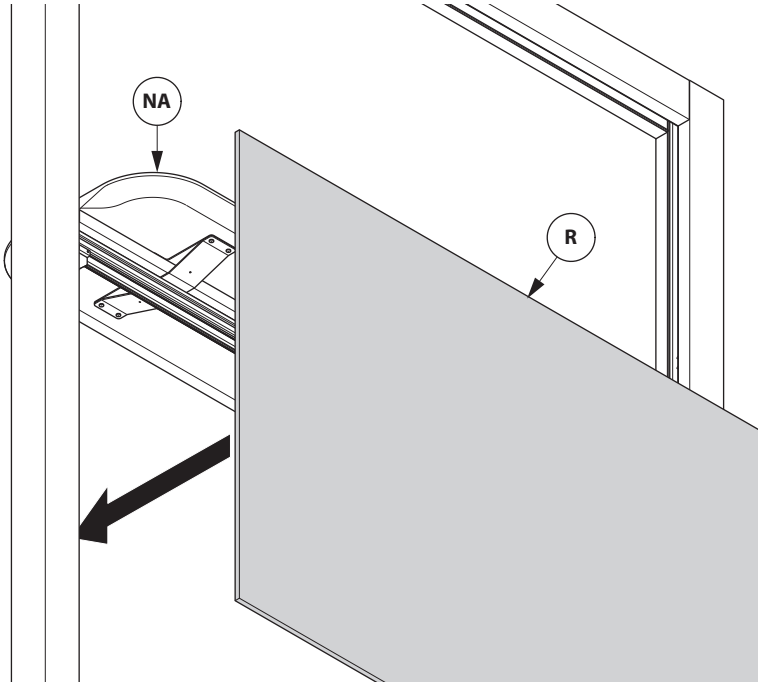


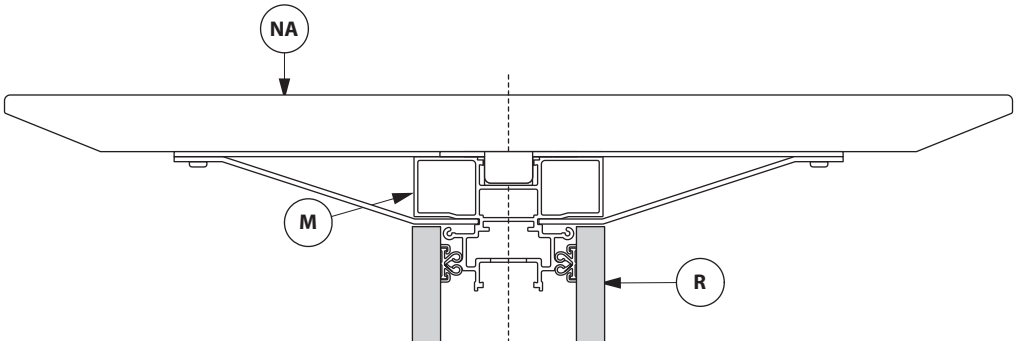




Shelf Top Installation

5 **Install tiles**

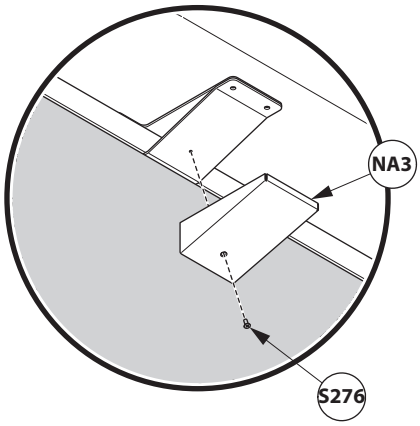


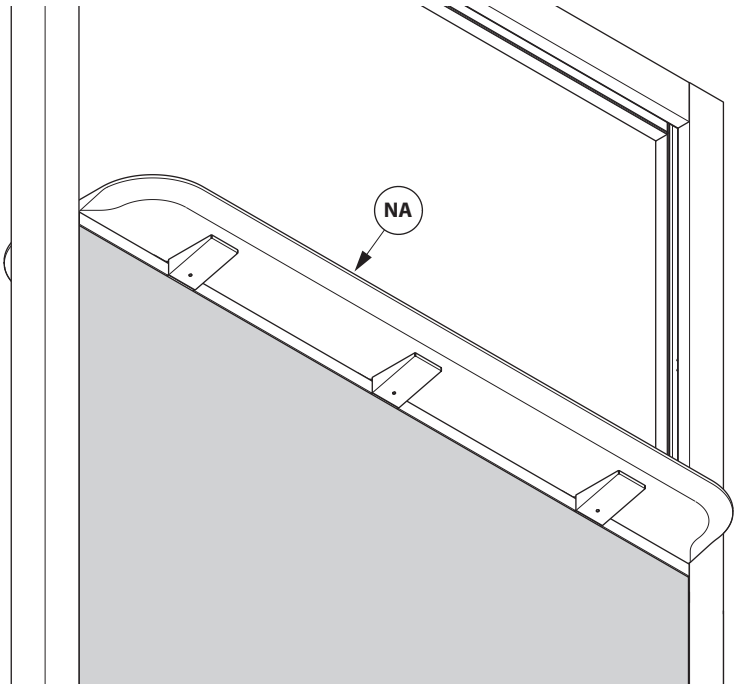


6 **Install covers**

(S276)

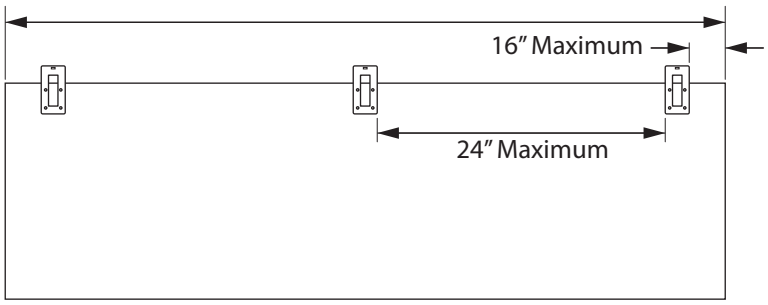
#6-32 x 3/8" Flat Head Screw



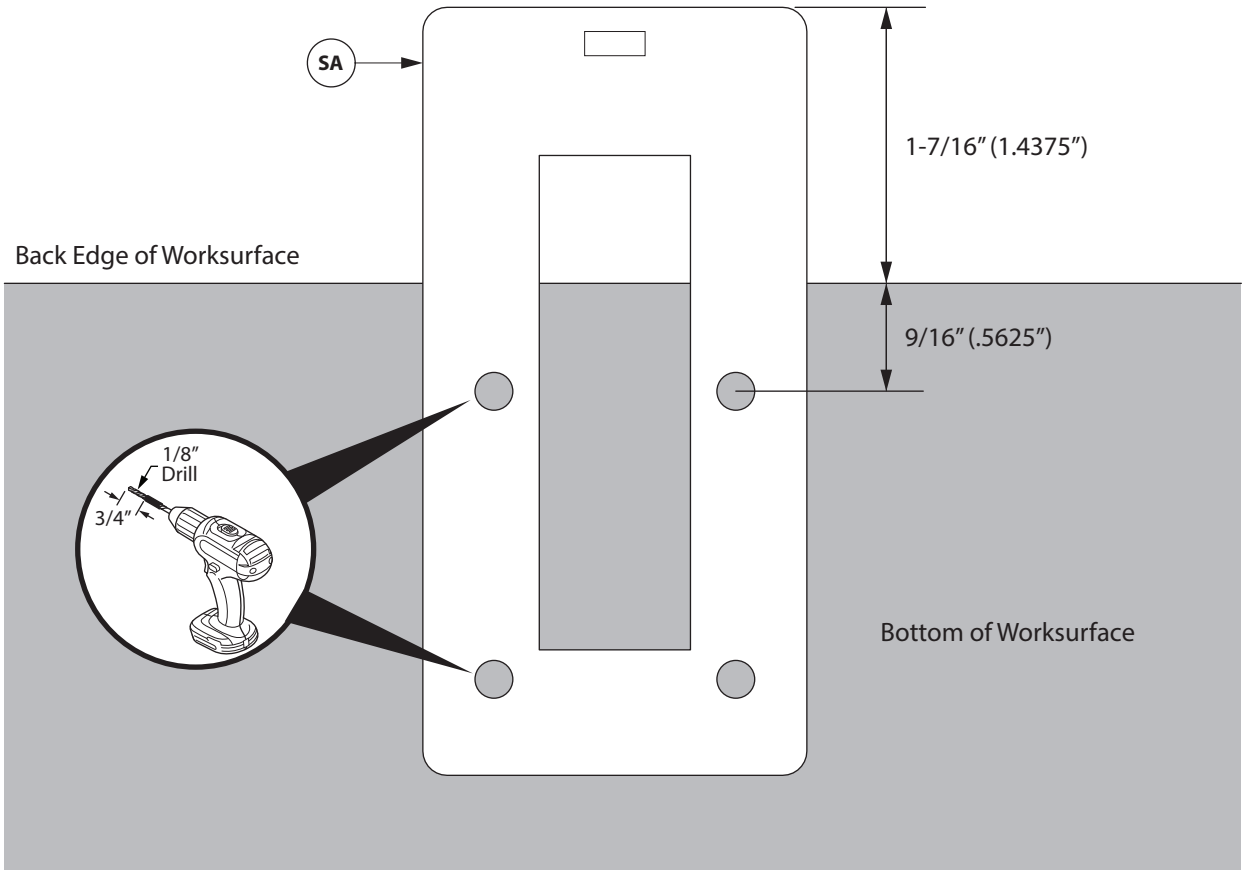


Worksurface Installation

1 **Use template to locate and predrill holes**

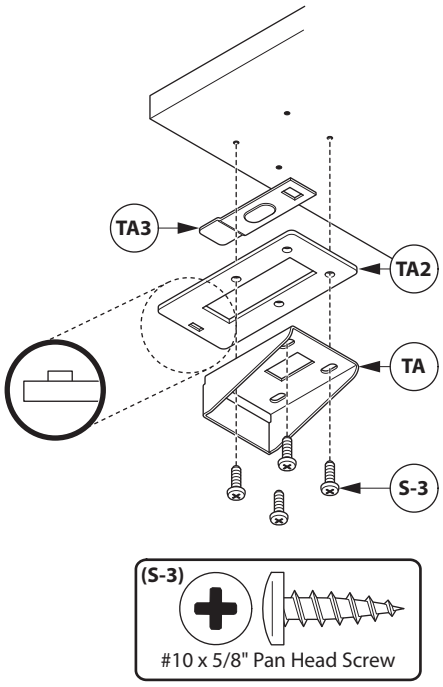


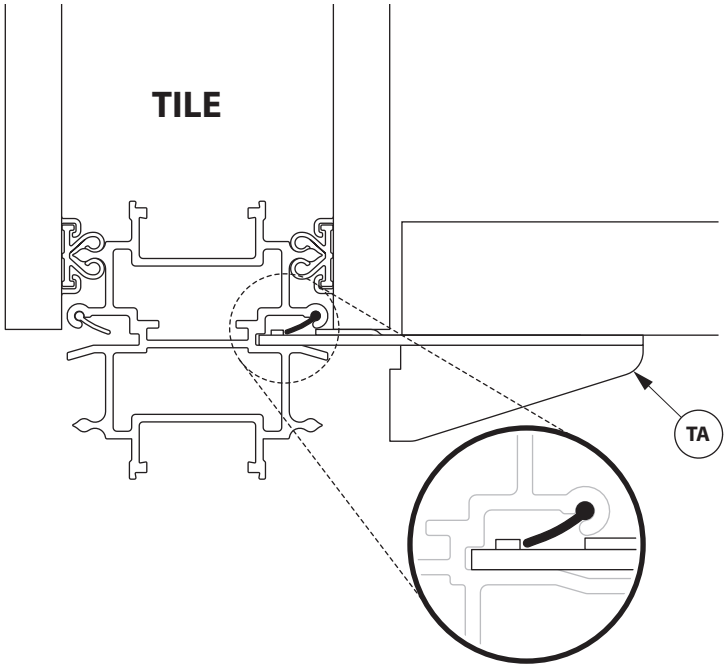
Bracket Template



2 **Before installing brackets determine if the tile is above or below the worksurface**

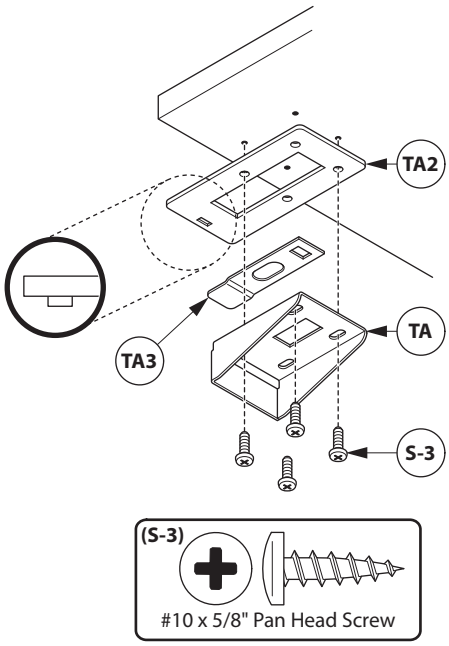
TILE - TILE RAIL

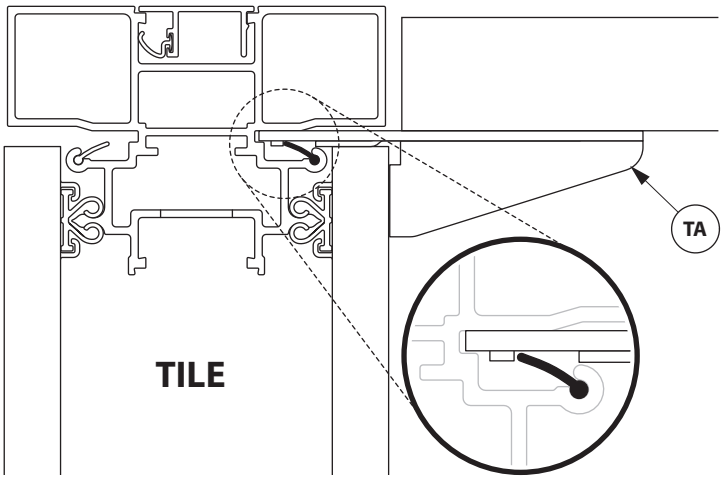




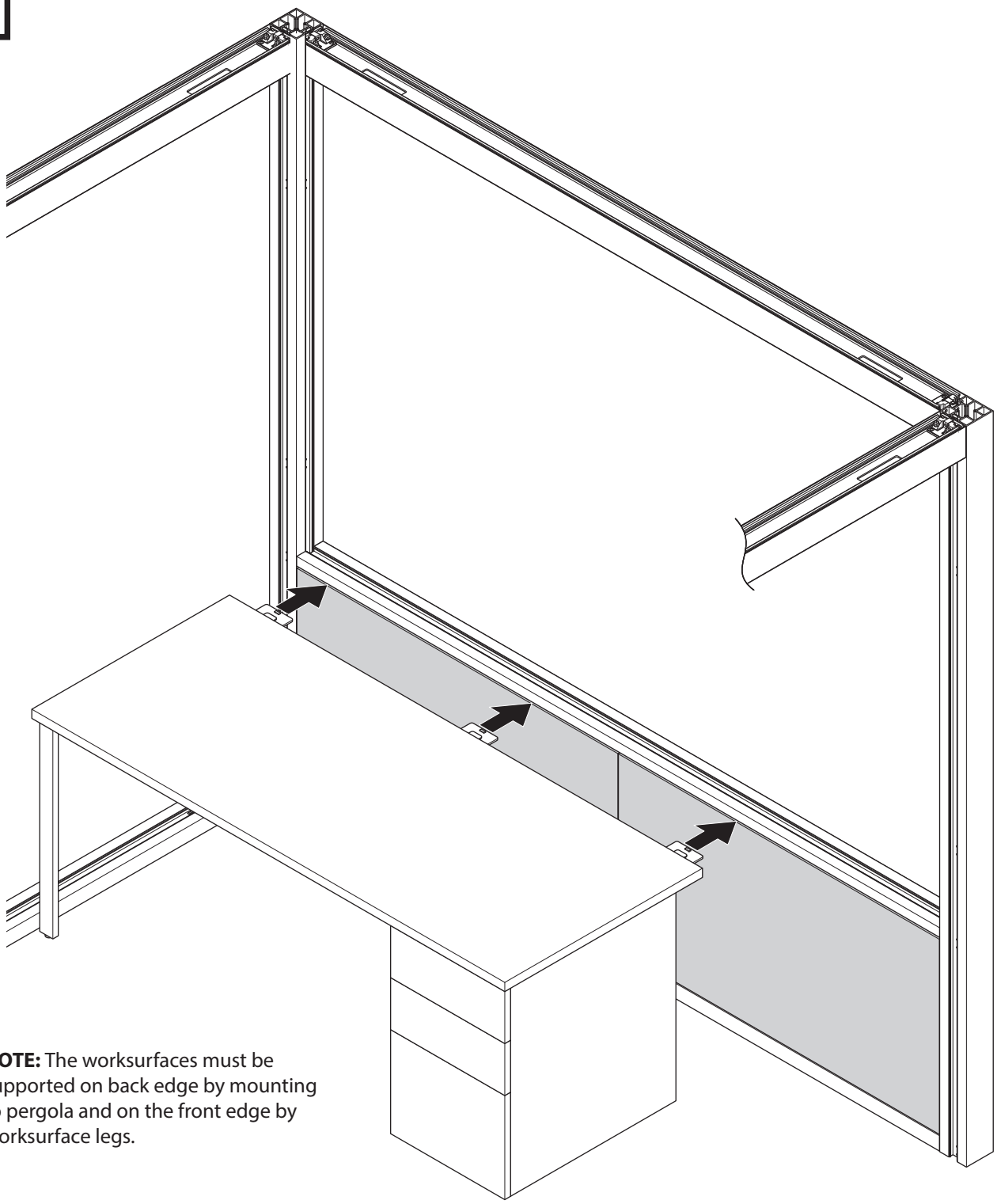
OR

TILE - INSERT RAIL



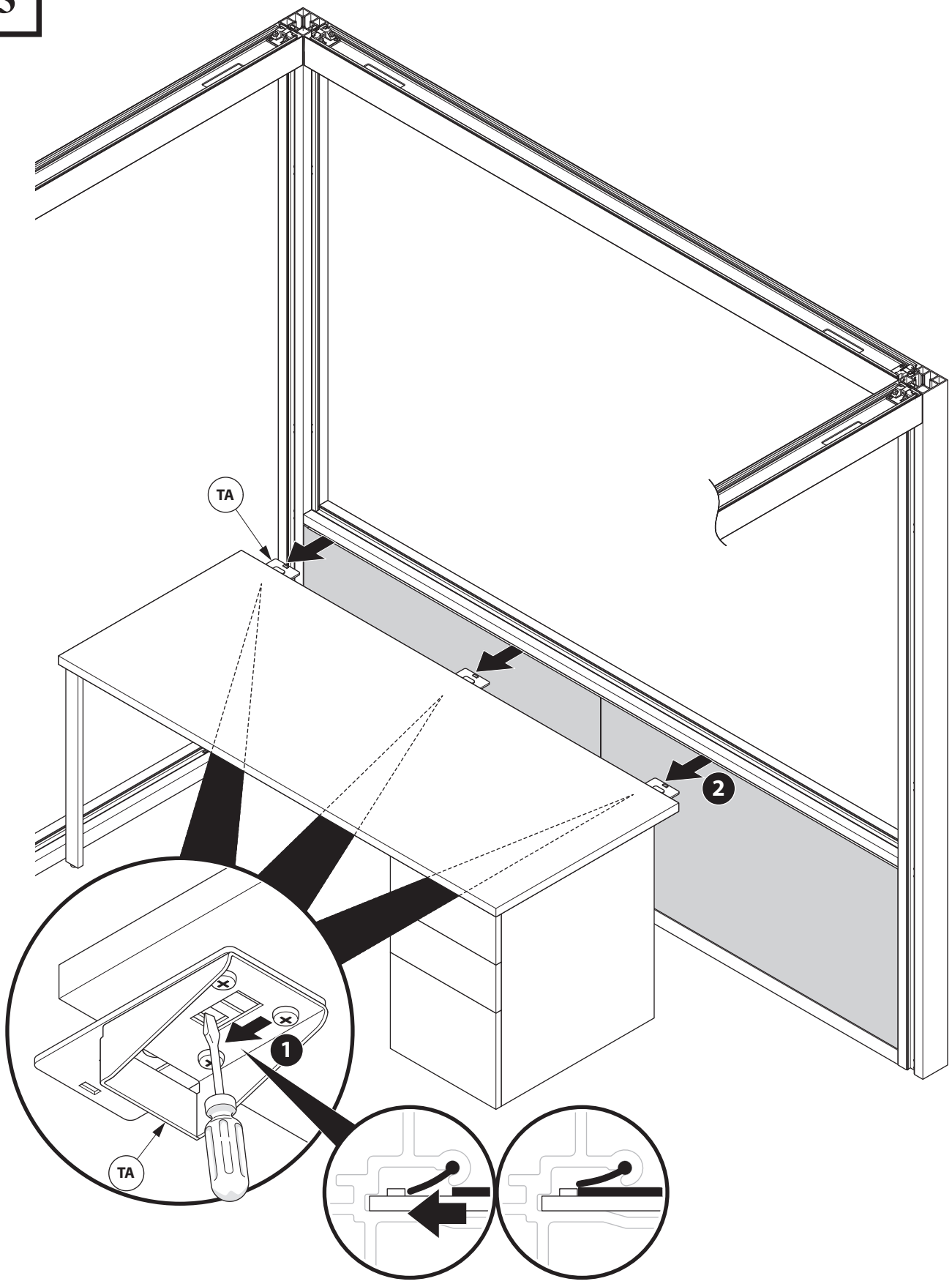


2 **Install worksurface**



NOTE: The worksurfaces must be supported on back edge by mounting to pergola and on the front edge by worksurface legs.

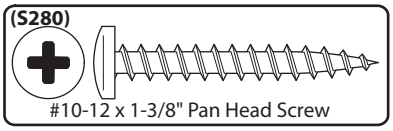
3 **Remove worksurface**



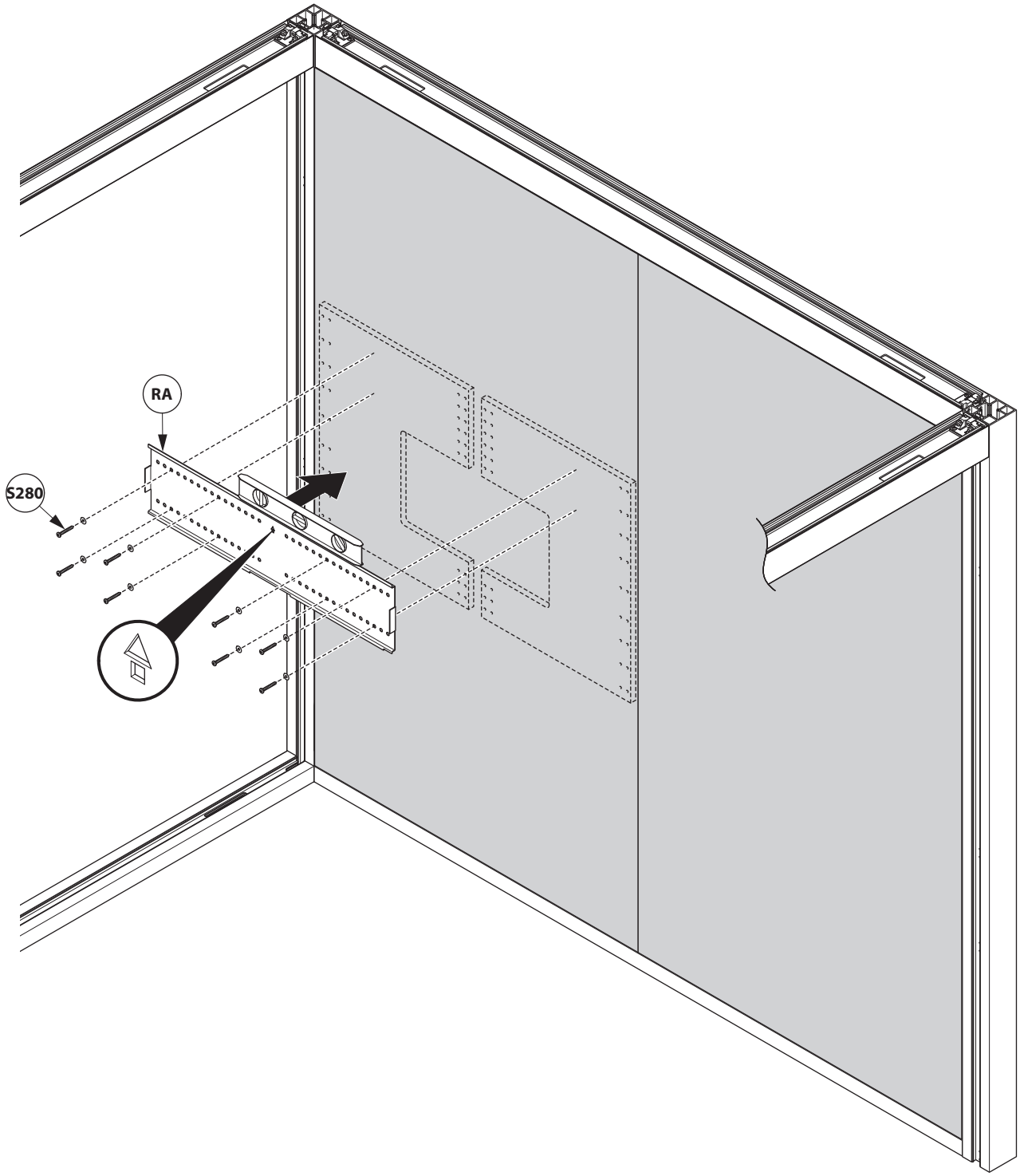
TV Mount (Workware)

1 **Install TV mount level**

(S280)



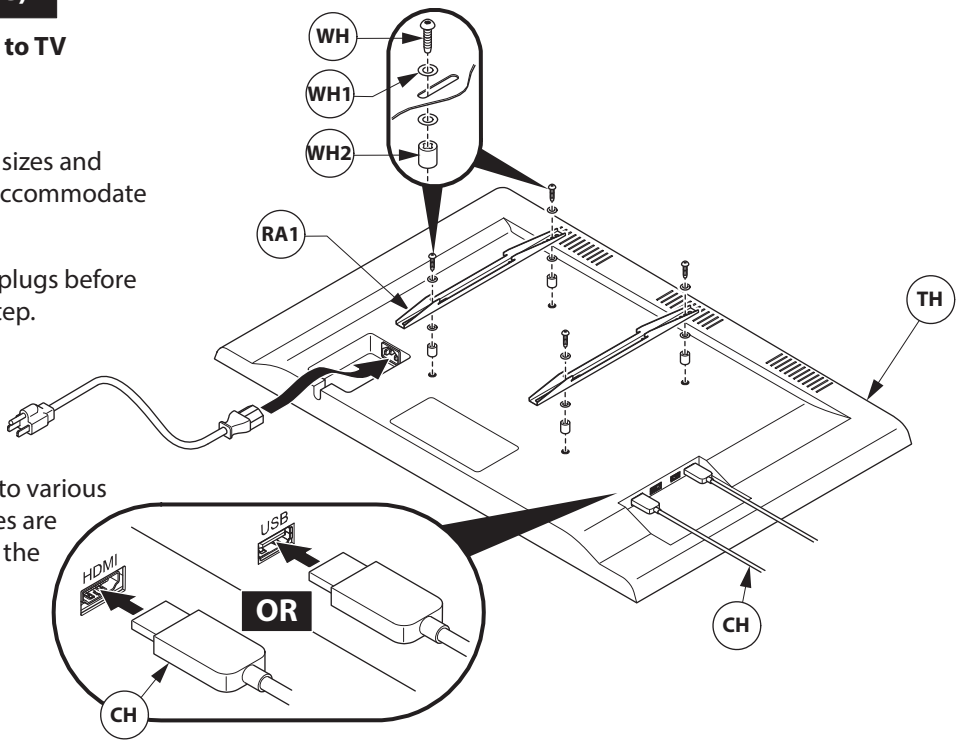
#10-12 x 1-3/8" Pan Head Screw



2 Install brackets to TV

NOTE: A variety of screw sizes and spacers are provided to accommodate a wide range of TV's.

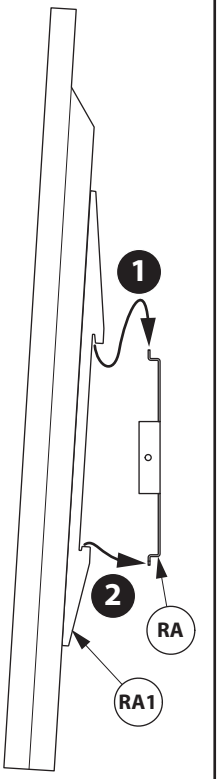
NOTE: Install cables and plugs before proceeding to the next step.

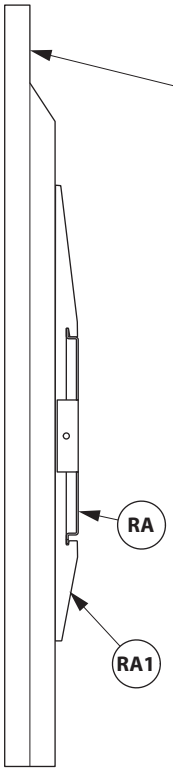


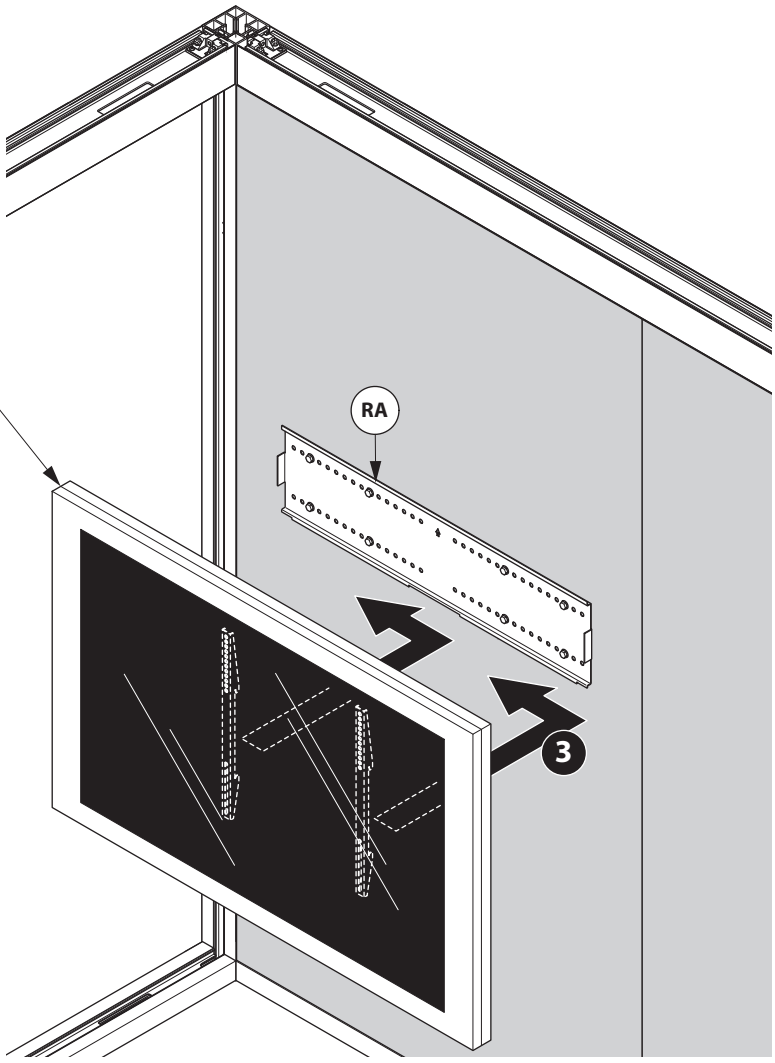
NOTE: Due to various setups cables are supplied by the customer.

3 Hang TV

NOTE: Maximum load: 75 Kg. (165 lbs)







Section 8 - Electrical

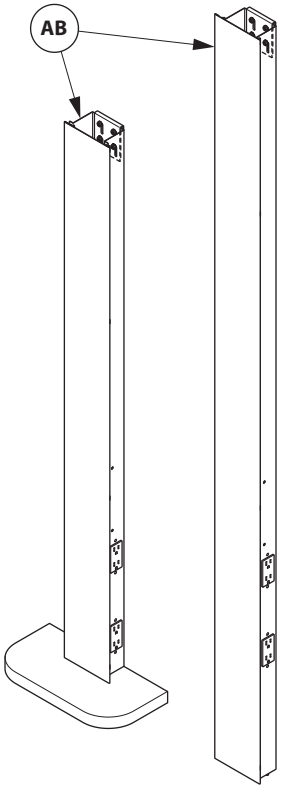
WARNING: Do not electrically interconnect modular power distribution systems powered from two different power feed units. This poses a SHOCK HAZARD to service personnel and will cause RISK OF FIRE due to excessive circulating currents.

WARNING: Power to all branch circuits MUST REMAIN DISCONNECTED during installation or removal of electrical components and raceway covers to avoid SHOCK HAZARDS.

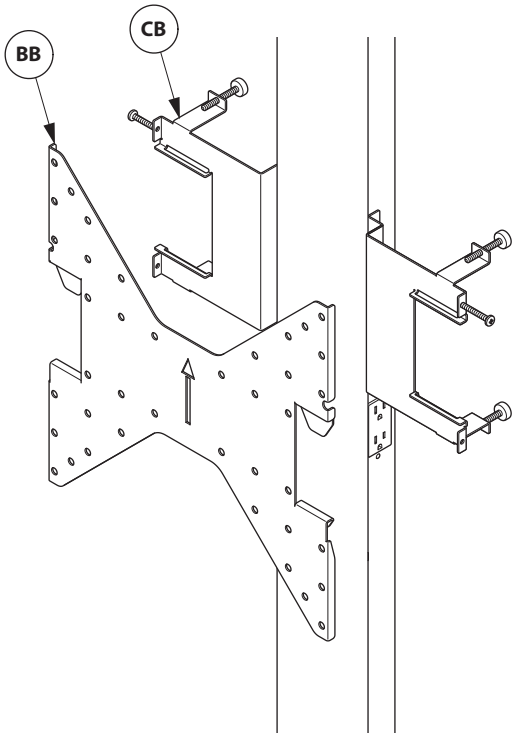
WARNING - Electrical connections shall be separated before any removal or servicing of a mechanical connection.
In Canada, not more than 12 outlets to be supplied by one circuit.

NOTE: Connections of this modular power distribution component MUST be done by a licensed electrician, who must control the size and loading of each branch circuit. The person or group installing Haworth products is responsible for complying with all applicable building and electrical code requirements.

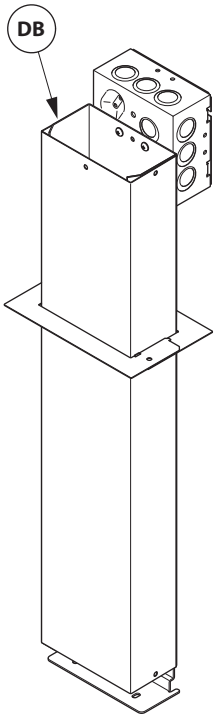
Tech Tower



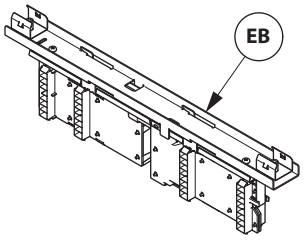
Monitor Mount



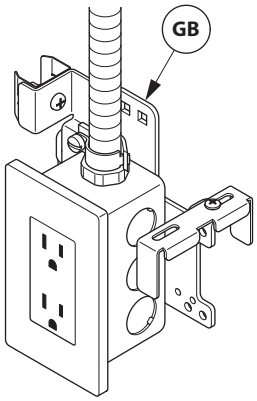
Top Feed



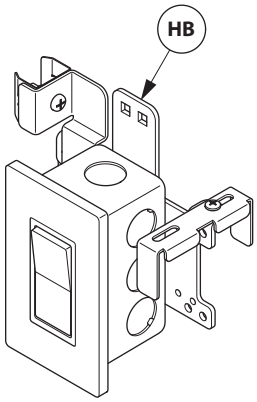
PDA



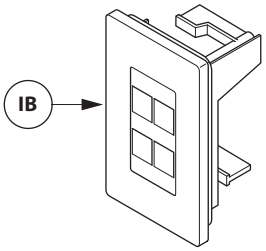
Receptacle



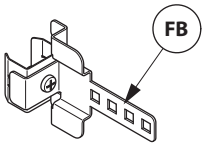
Switch



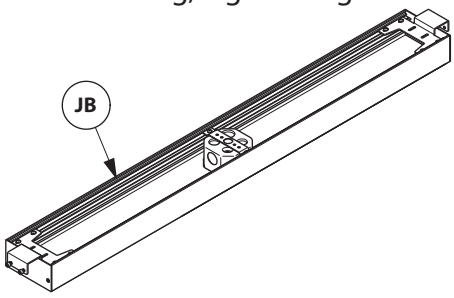
Low Voltage Kit



Cable Support

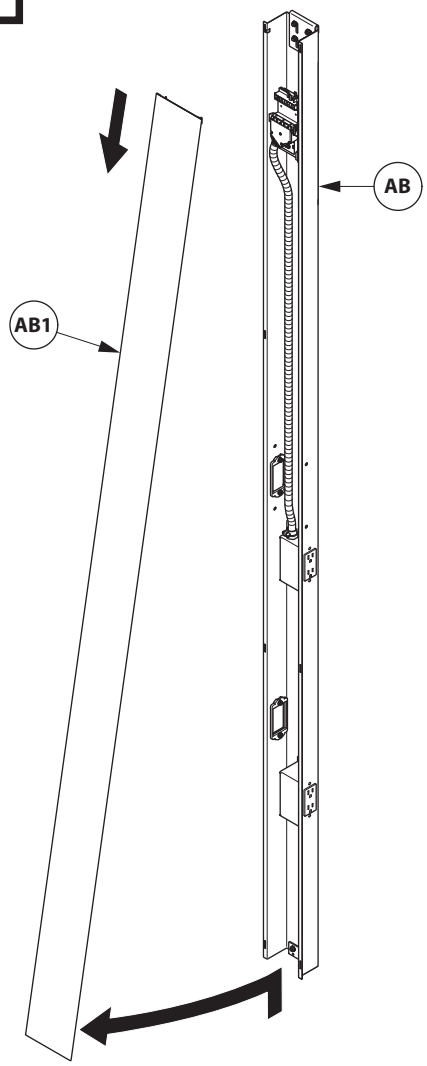


Ceiling, Light Trough



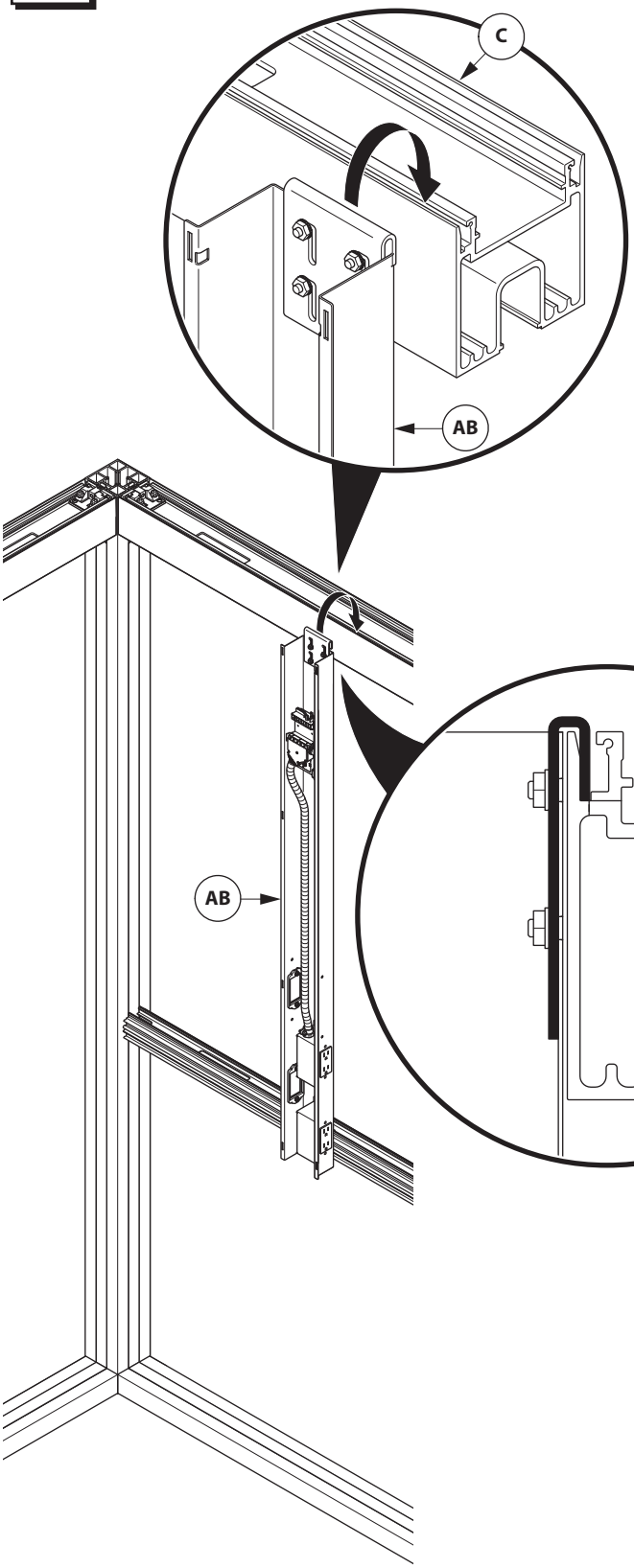
Tech Tower Installation

1 **Remove cover**



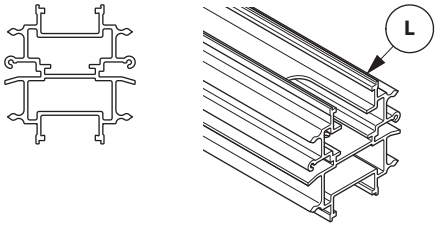
Ledge Installation (partial Height Tech Tower)

2 **Hook over top rail**

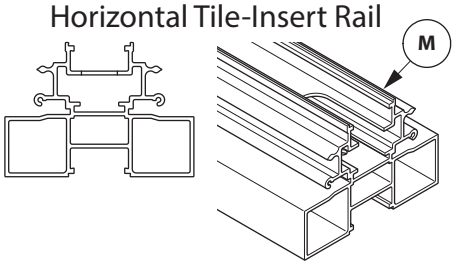


OPTIONAL RAILS

Horizontal Tile Rail - Tile

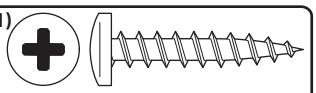


Horizontal Tile-Insert Rail

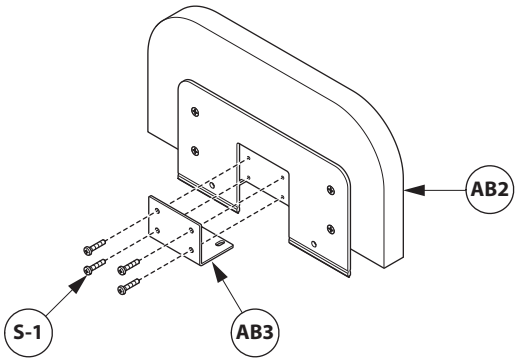


3 install L-bracket

(S-1)



#10 x 1" Pan Head Screw

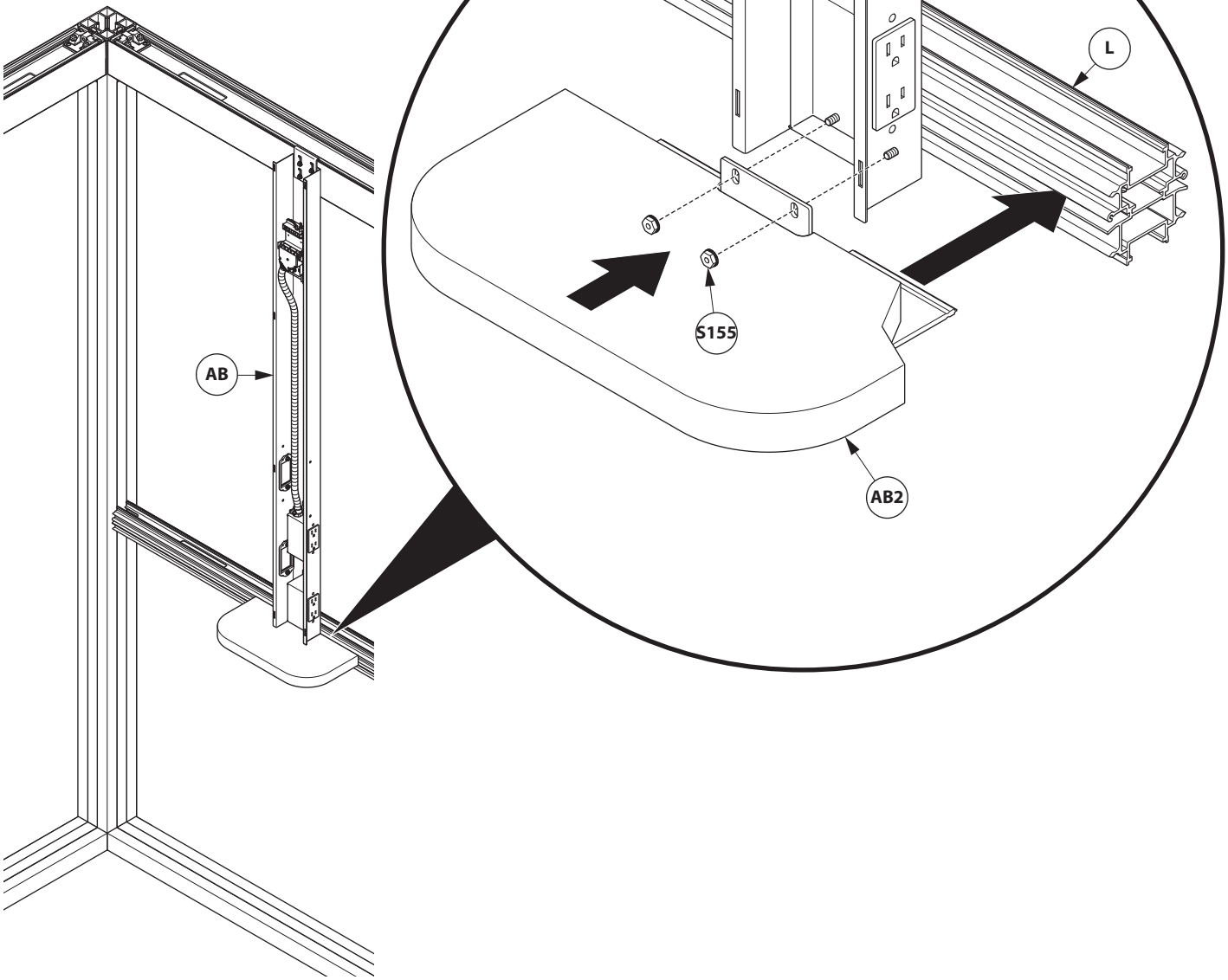


4 install ledge

(S155)

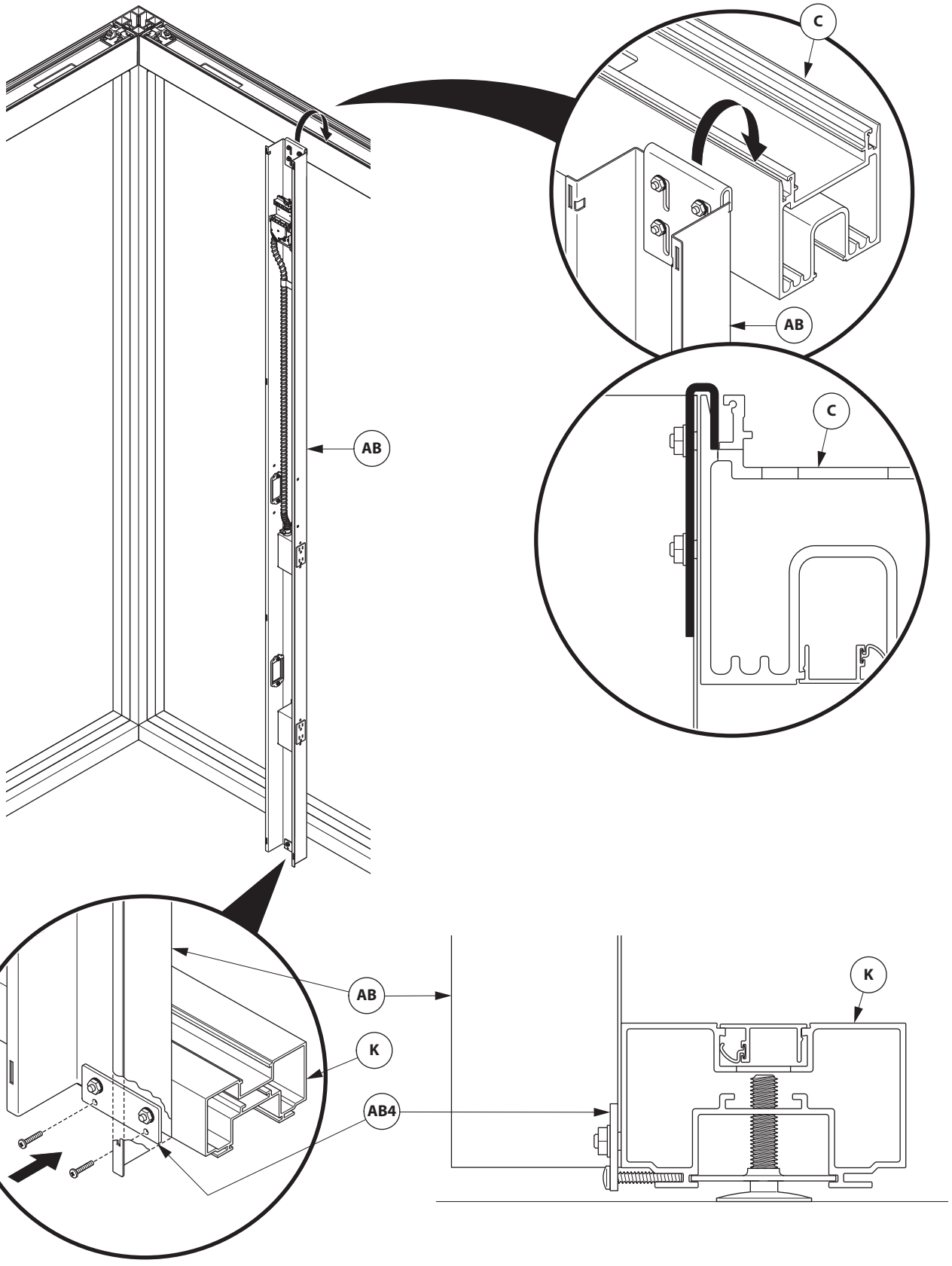


#10-24 Hex Nut



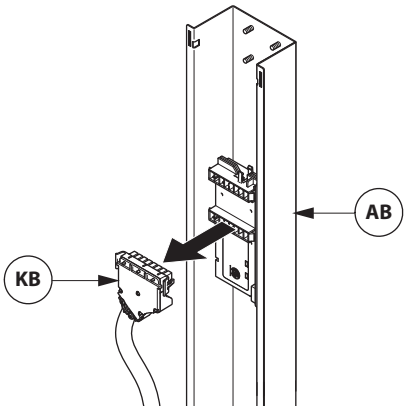
5

Hook over top rail and secure to bottom rail

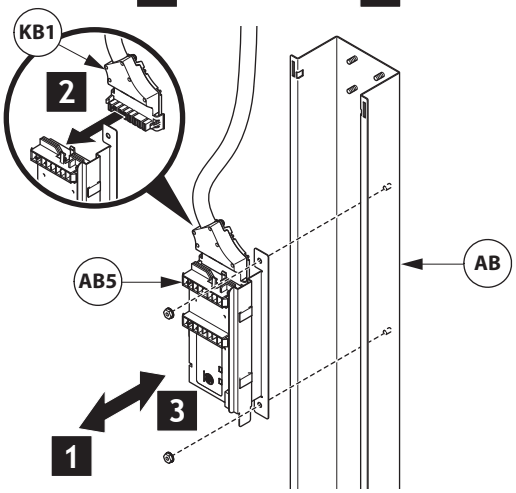


Only when installing second jumper - Step 7

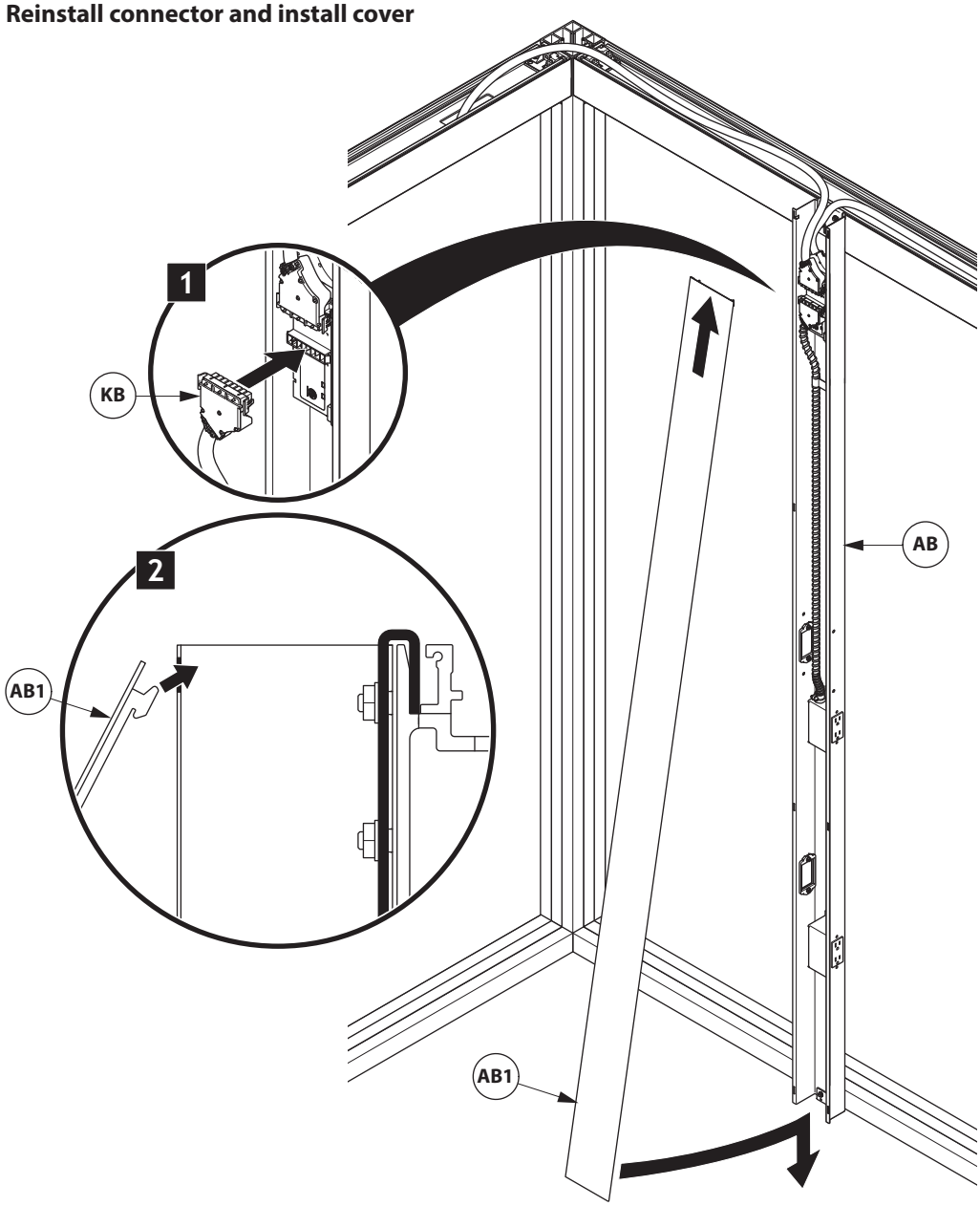
6 Remove connector



7 1 Remove PDA 2 Install jumper 3 Reinstall PDA

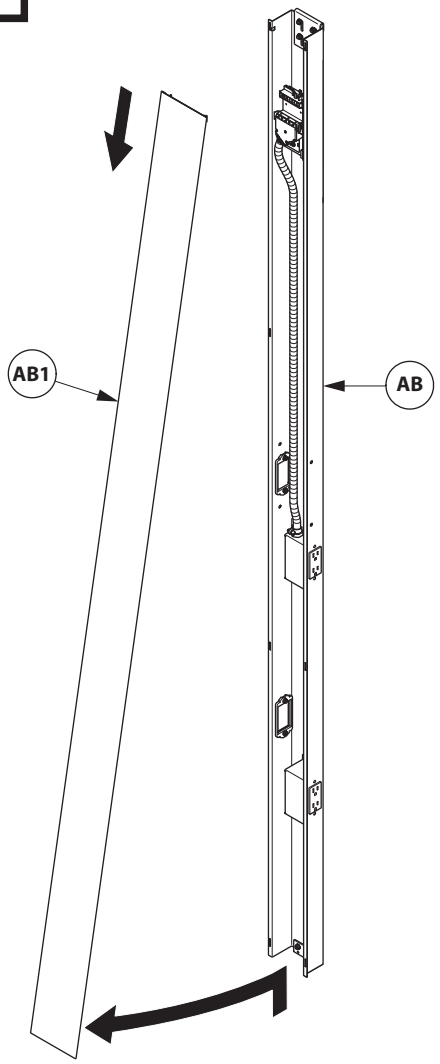


8 Reinstall connector and install cover

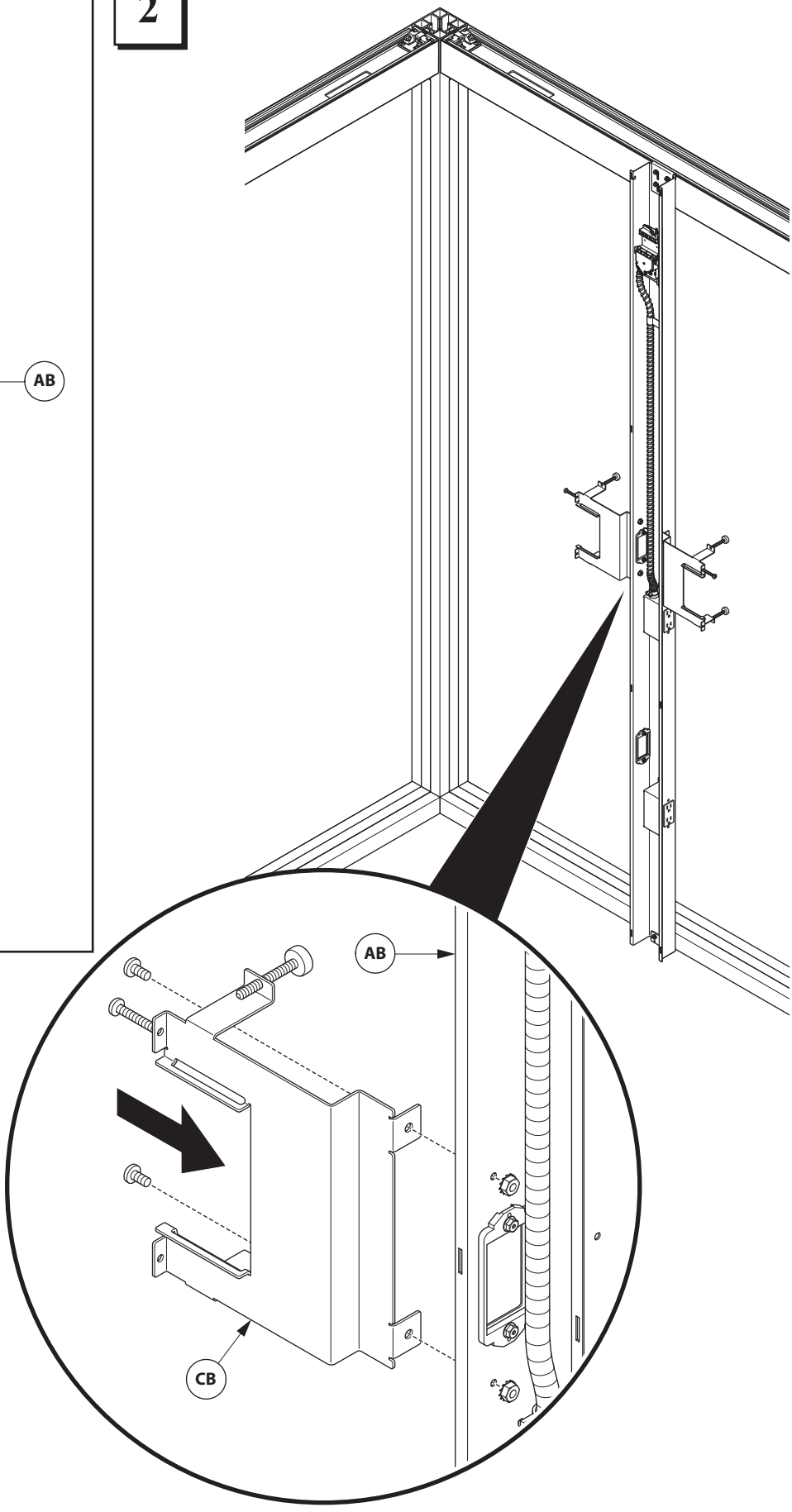


Monitor Mount Installation

1 **Remove cover**

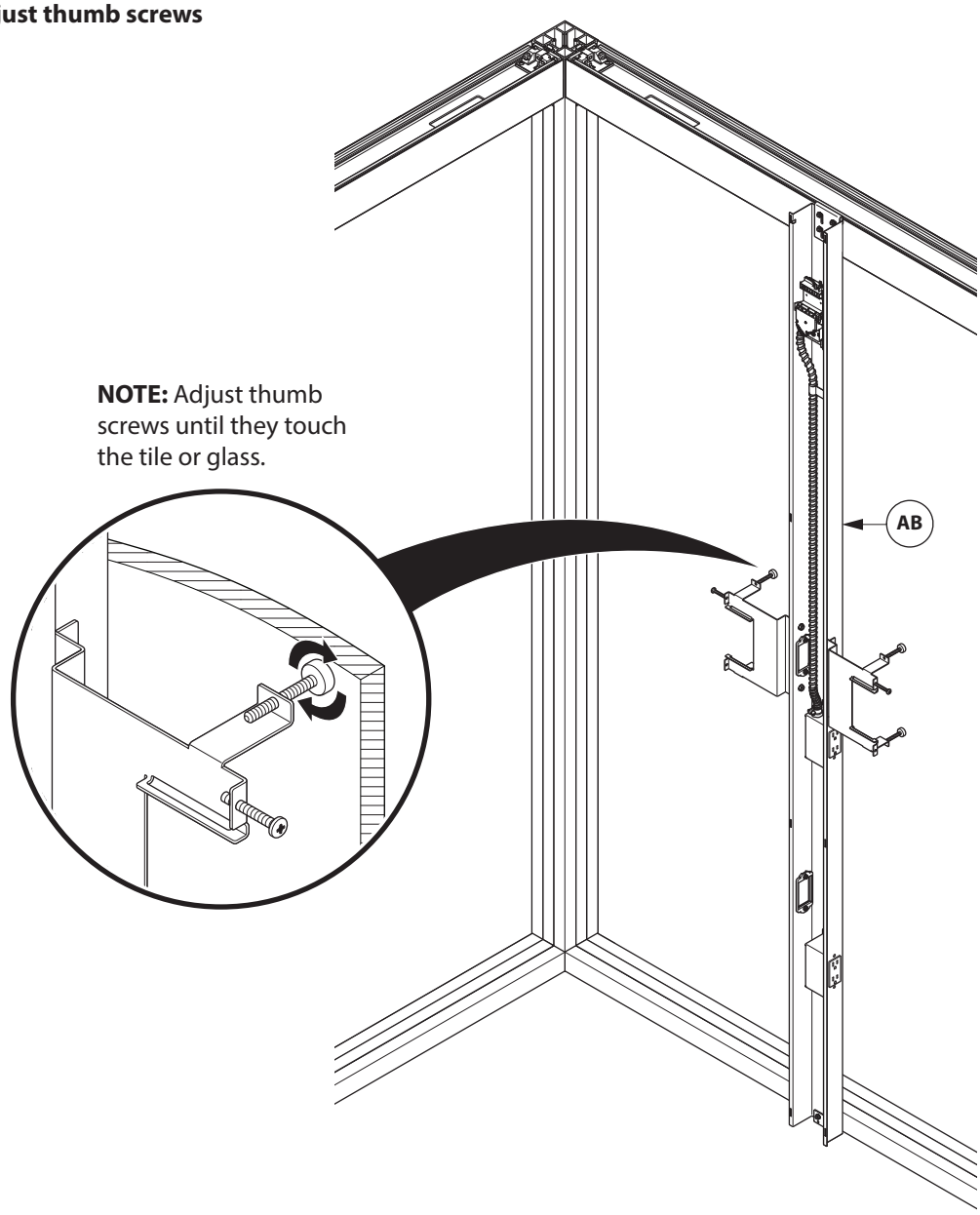


2 **Attach mounting brackets to tech tower**



Monitor Mount Installation

3 **Adjust thumb screws**

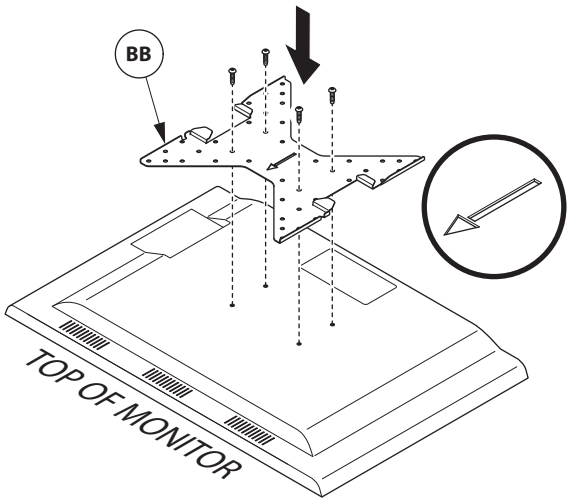


NOTE: Adjust thumb screws until they touch the tile or glass.

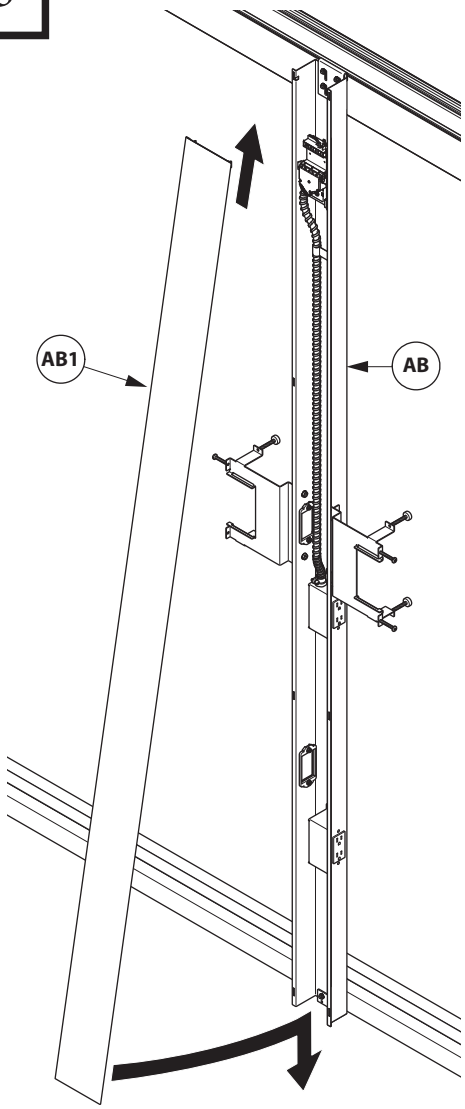
4 **Attach backing plate to monitor**

NOTE: Maximum load: 75 Kg. (165 lbs)

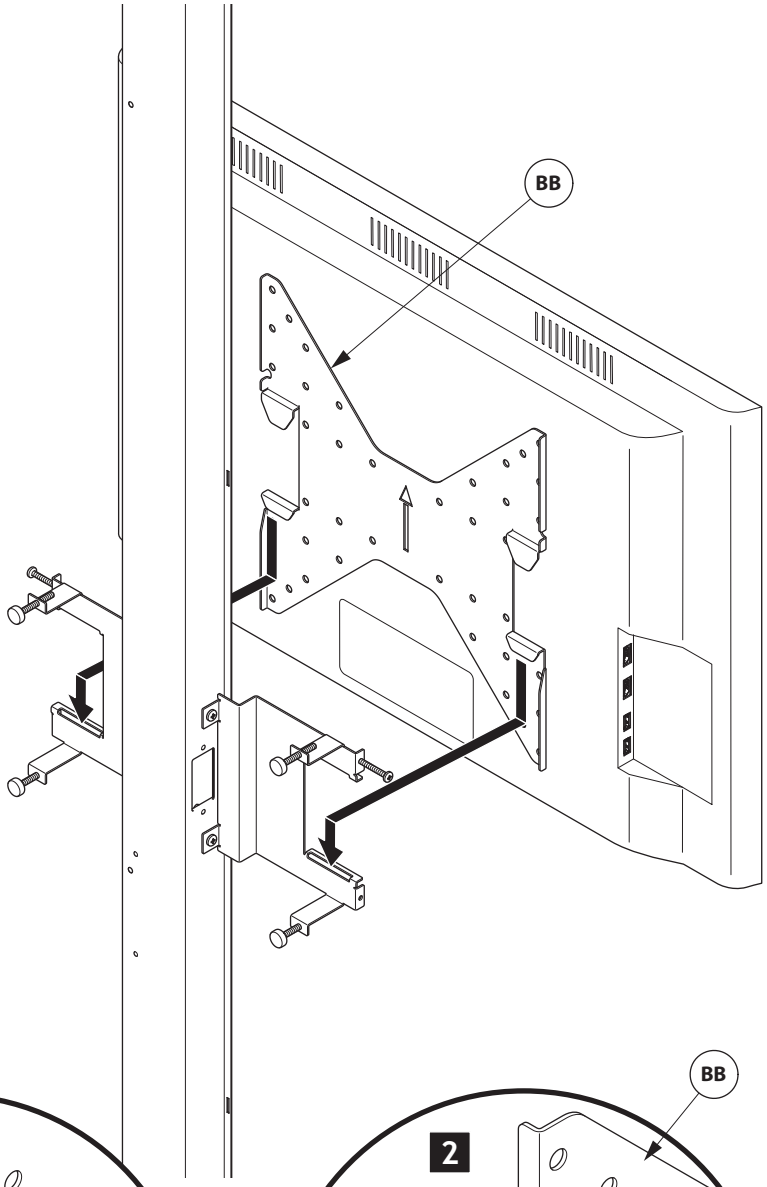
NOTE: Screws provided may not cover all conditions.

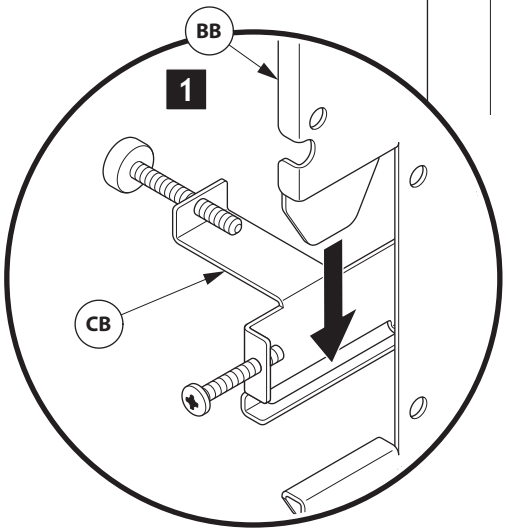


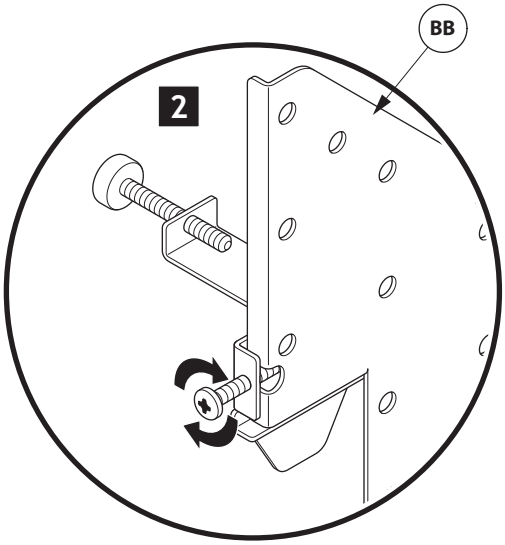
5 Install cover



6 Hang monitor onto brackets and secure with anti-uplift screws



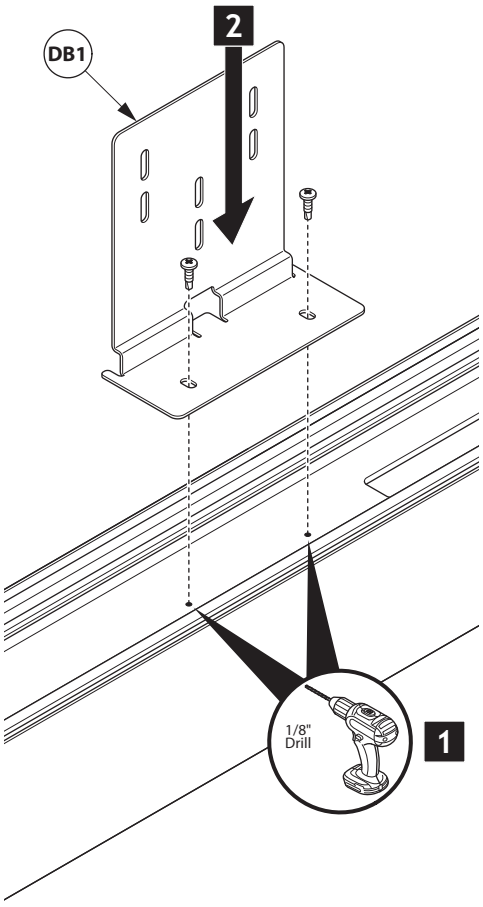




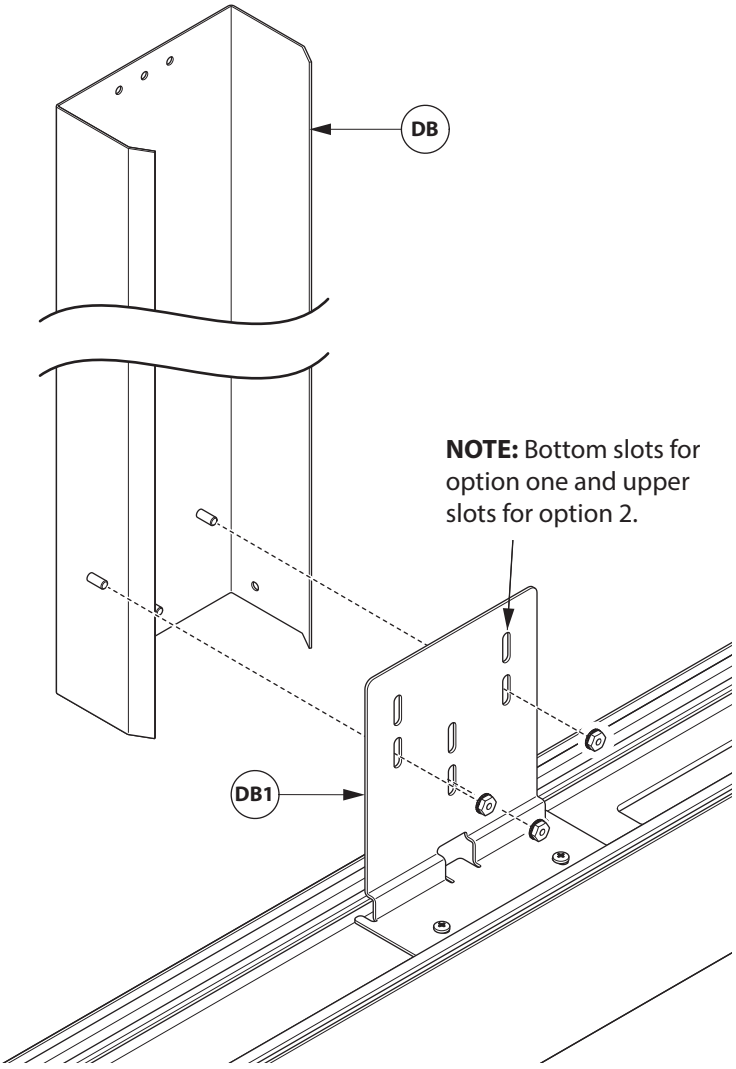
NOTE: make sure all 4 hooks are engaged.

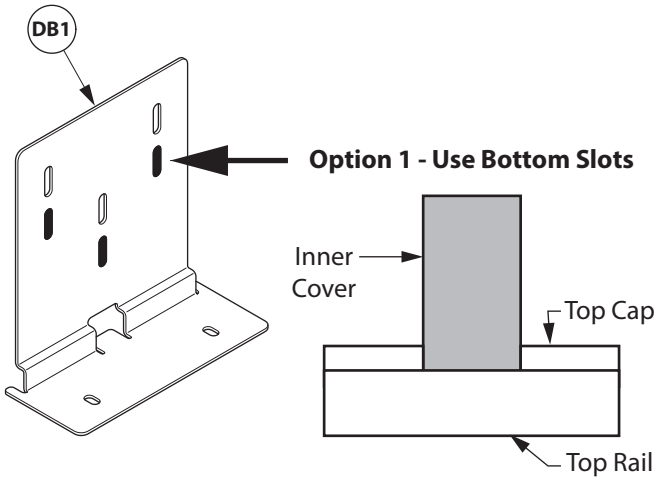
Top Feed Installation

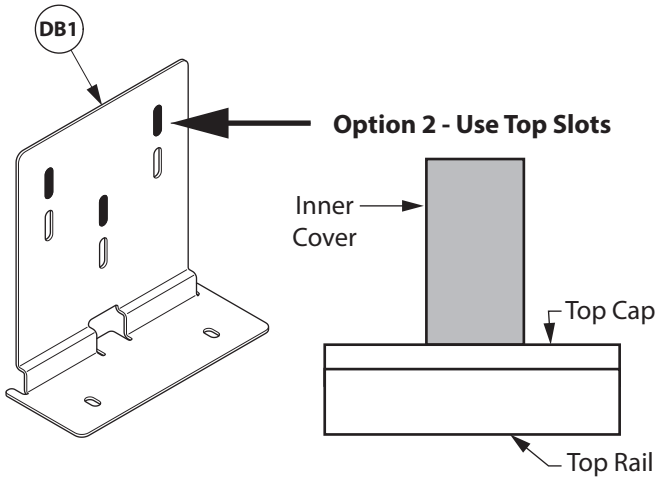
1 Attach mounting brackets to top rail



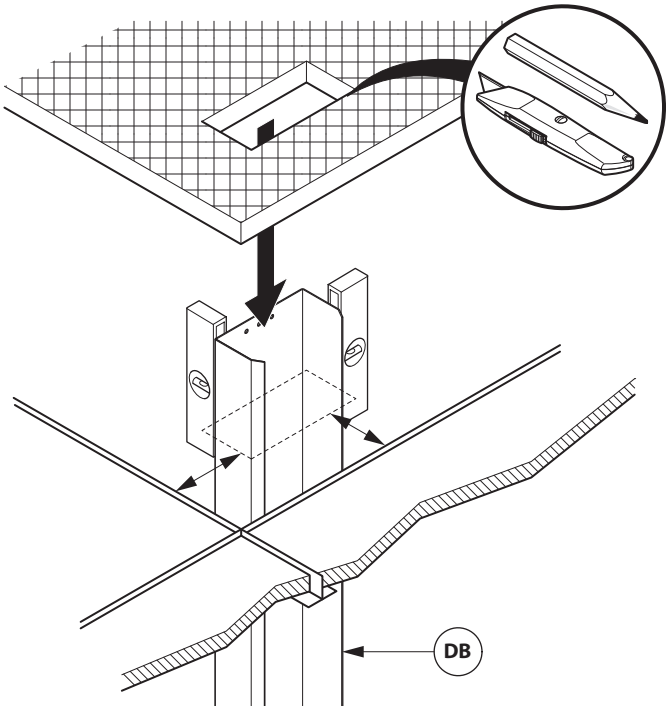
2 Attach inner cover to bracket



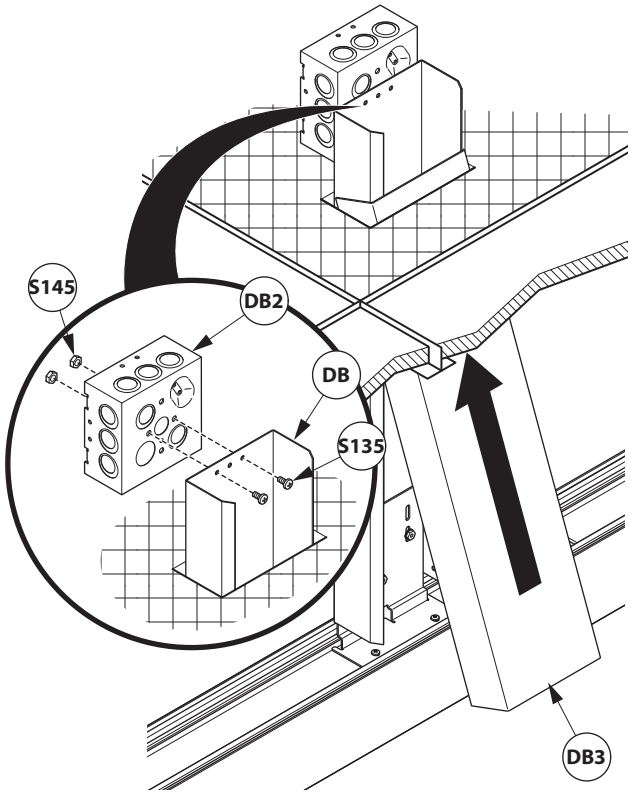


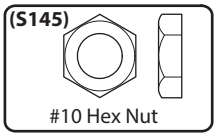


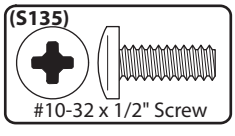
3 Plumb cover (M) and locate and cut a hole in ceiling tile



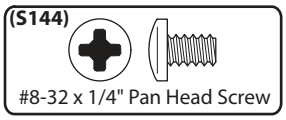
4 Attach junction box and install cover

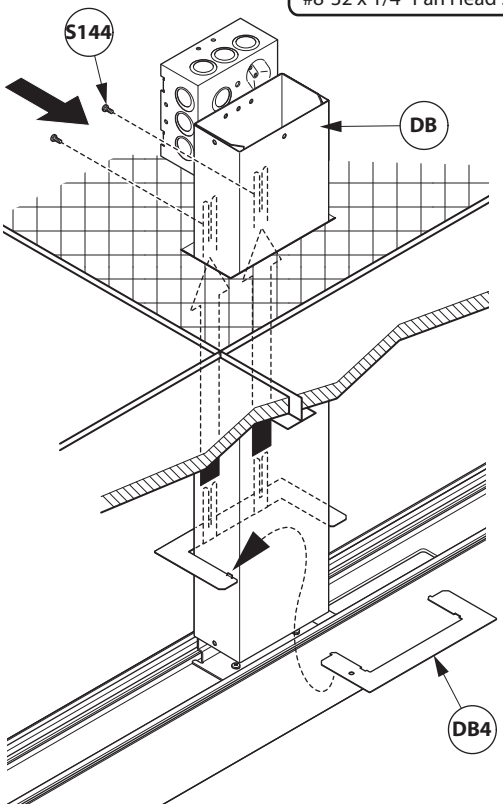




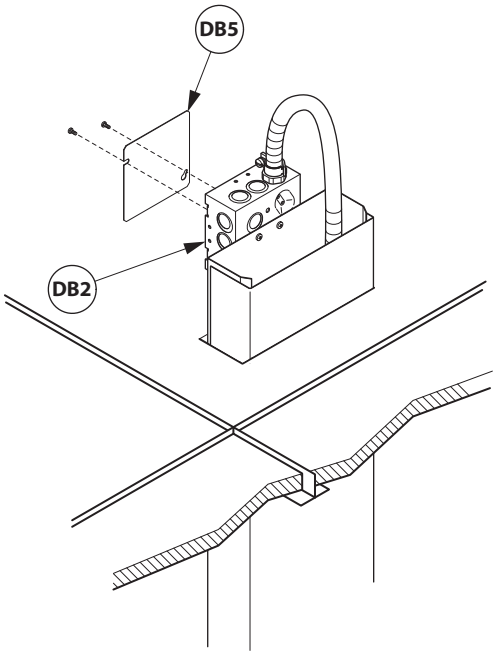


5 Install ceiling bezel

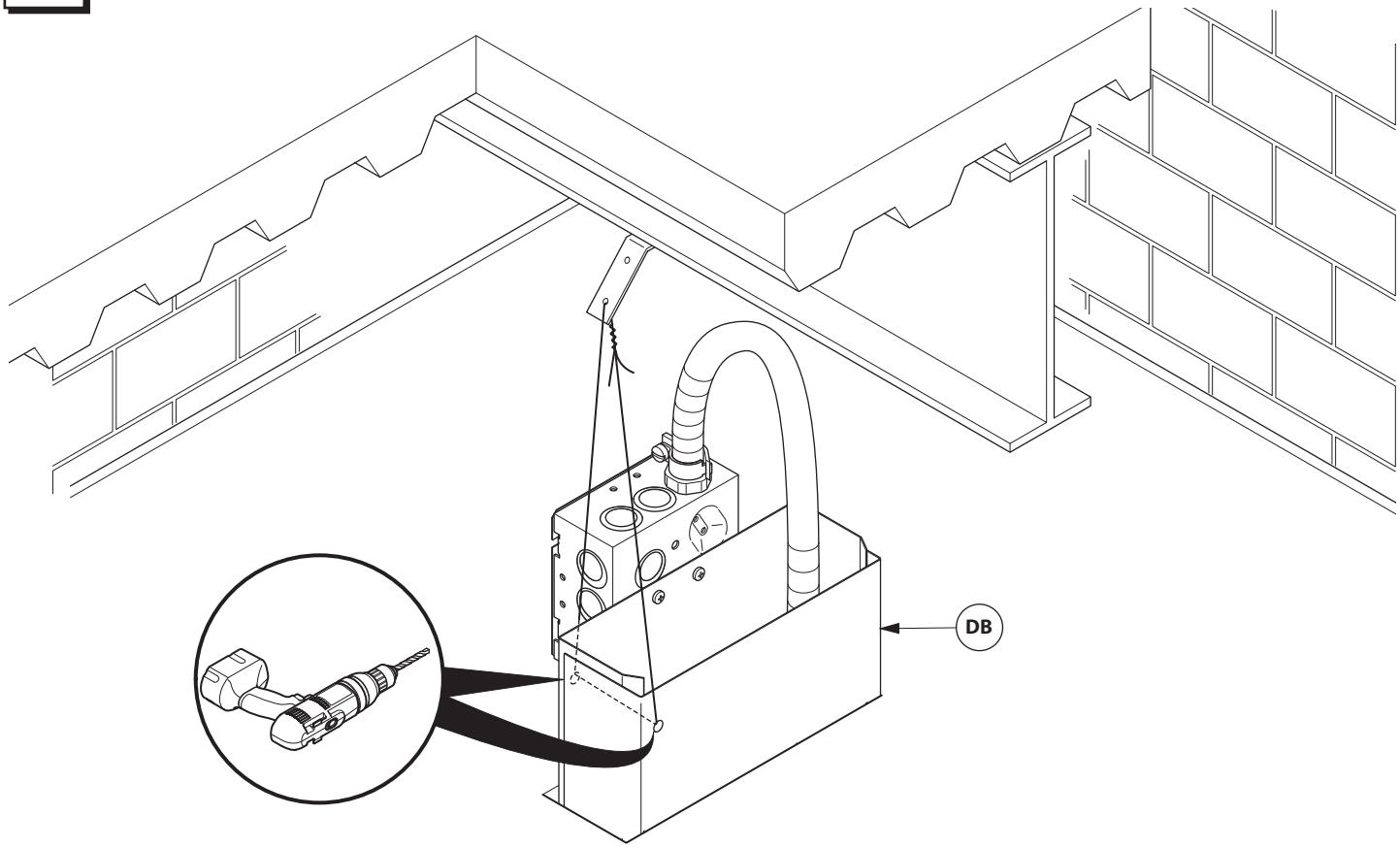




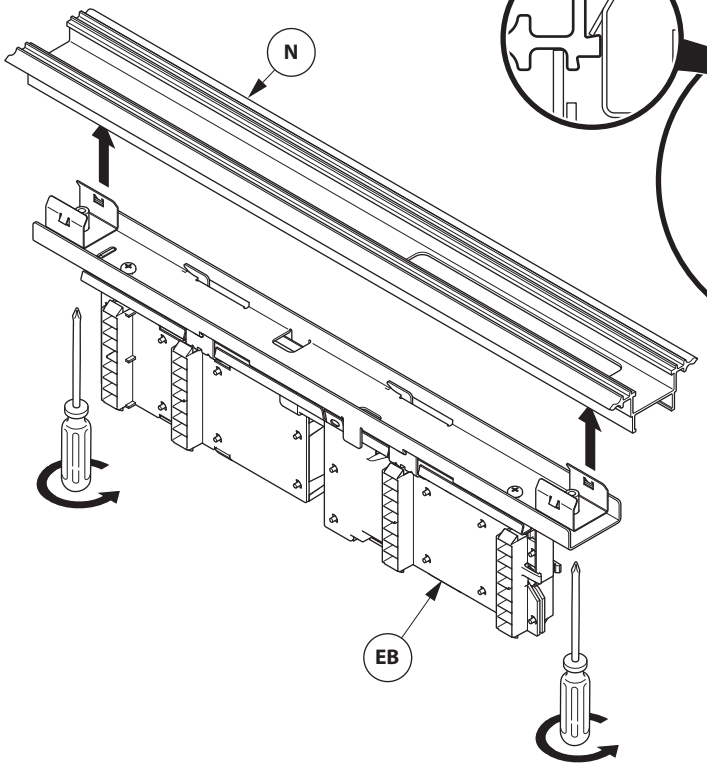
6 Install electrical box cover

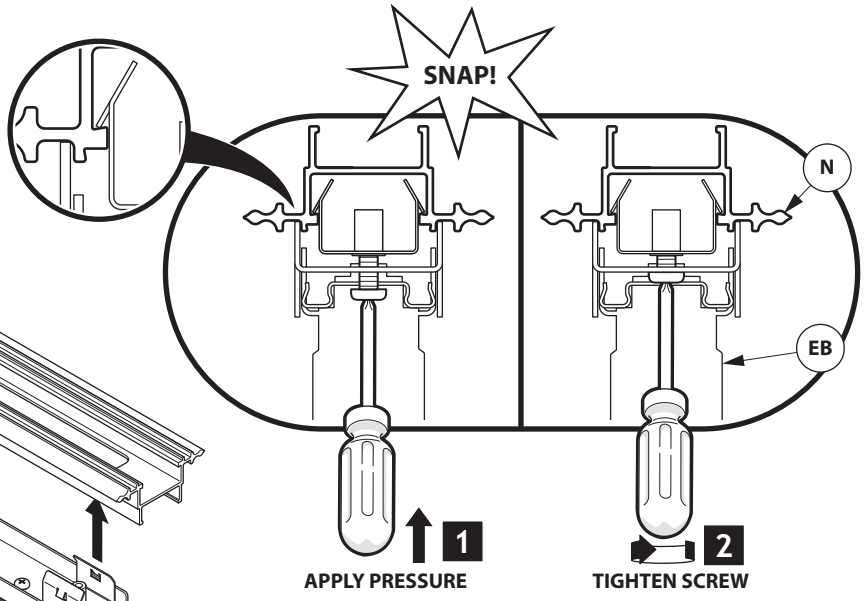


7 Tie top feed to building



PDA Installation

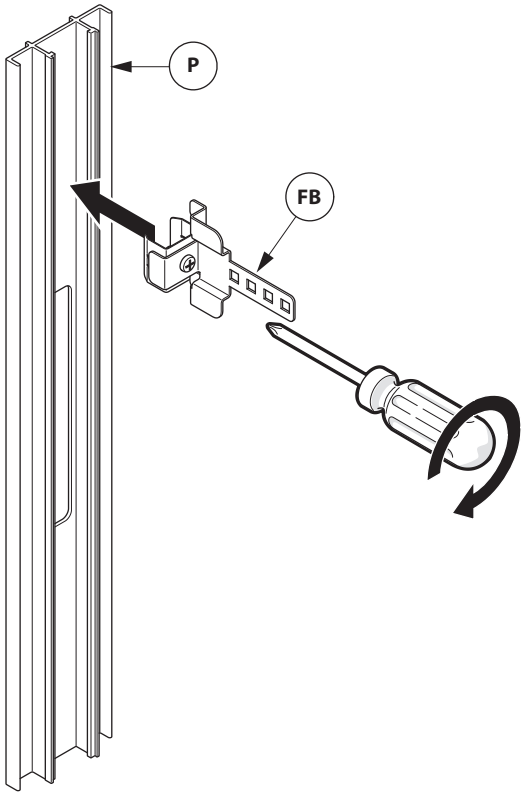




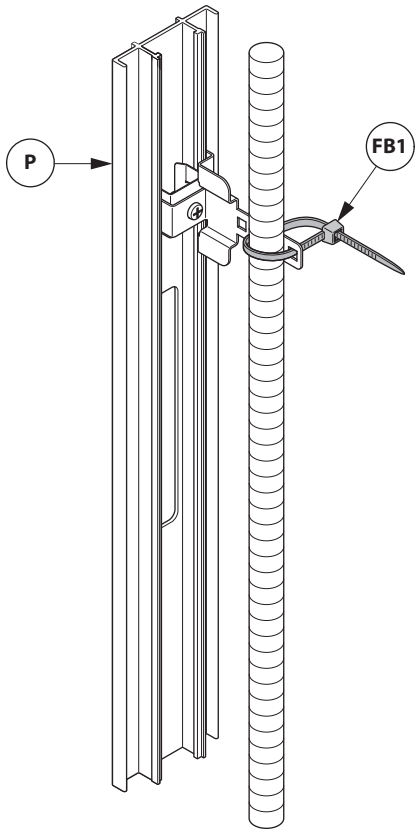
NOTE: Listen for a "SNAP" sound.

Cable Support Installation

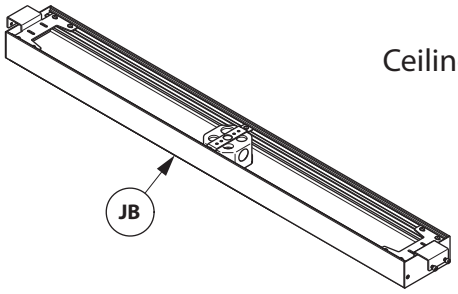
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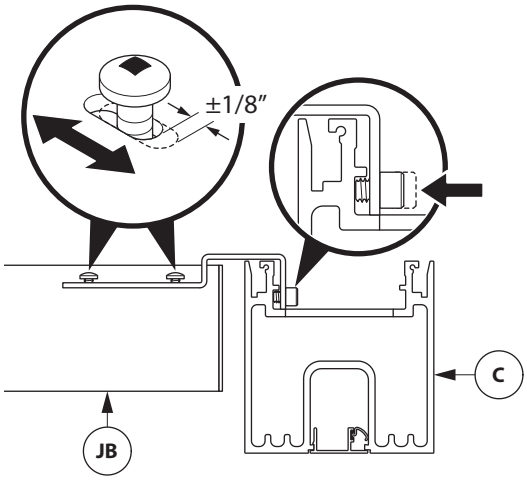


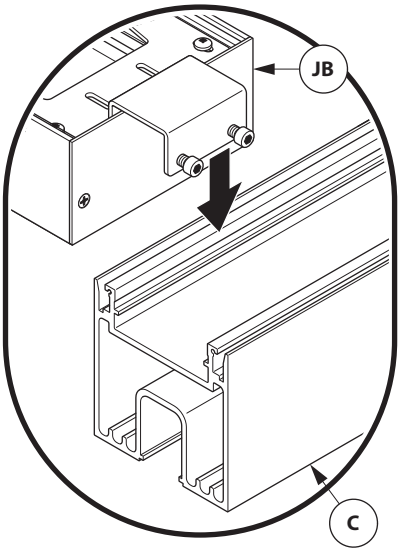
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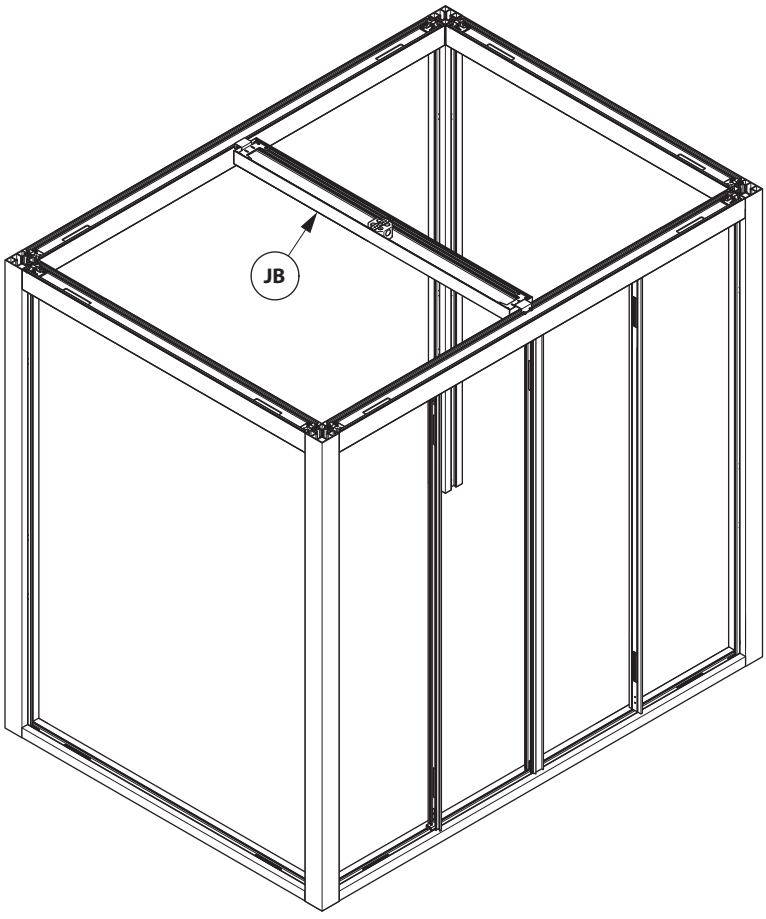


Ceiling, Light Trough

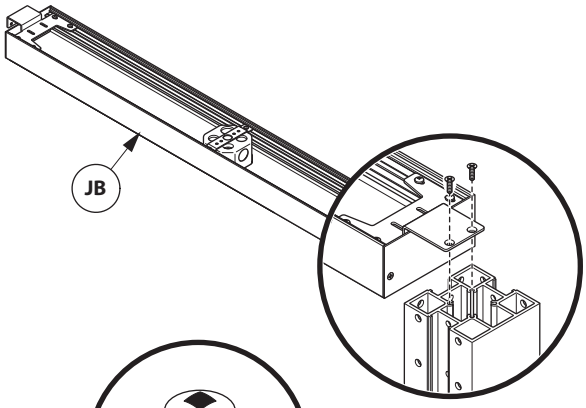


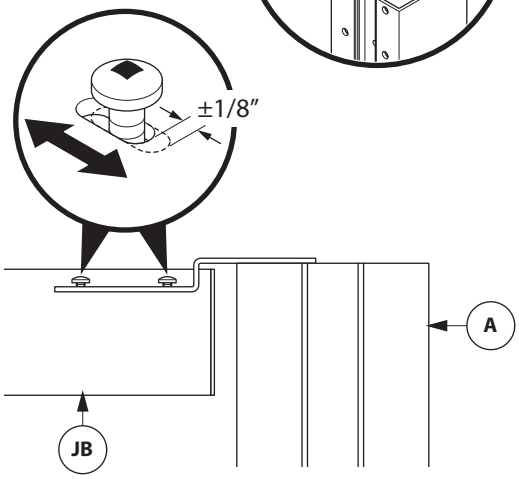


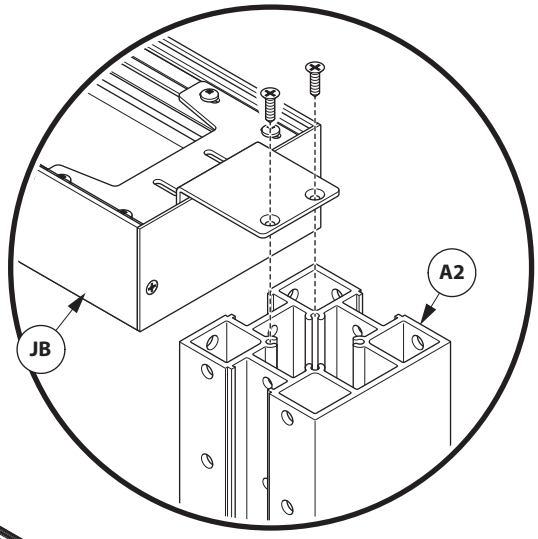


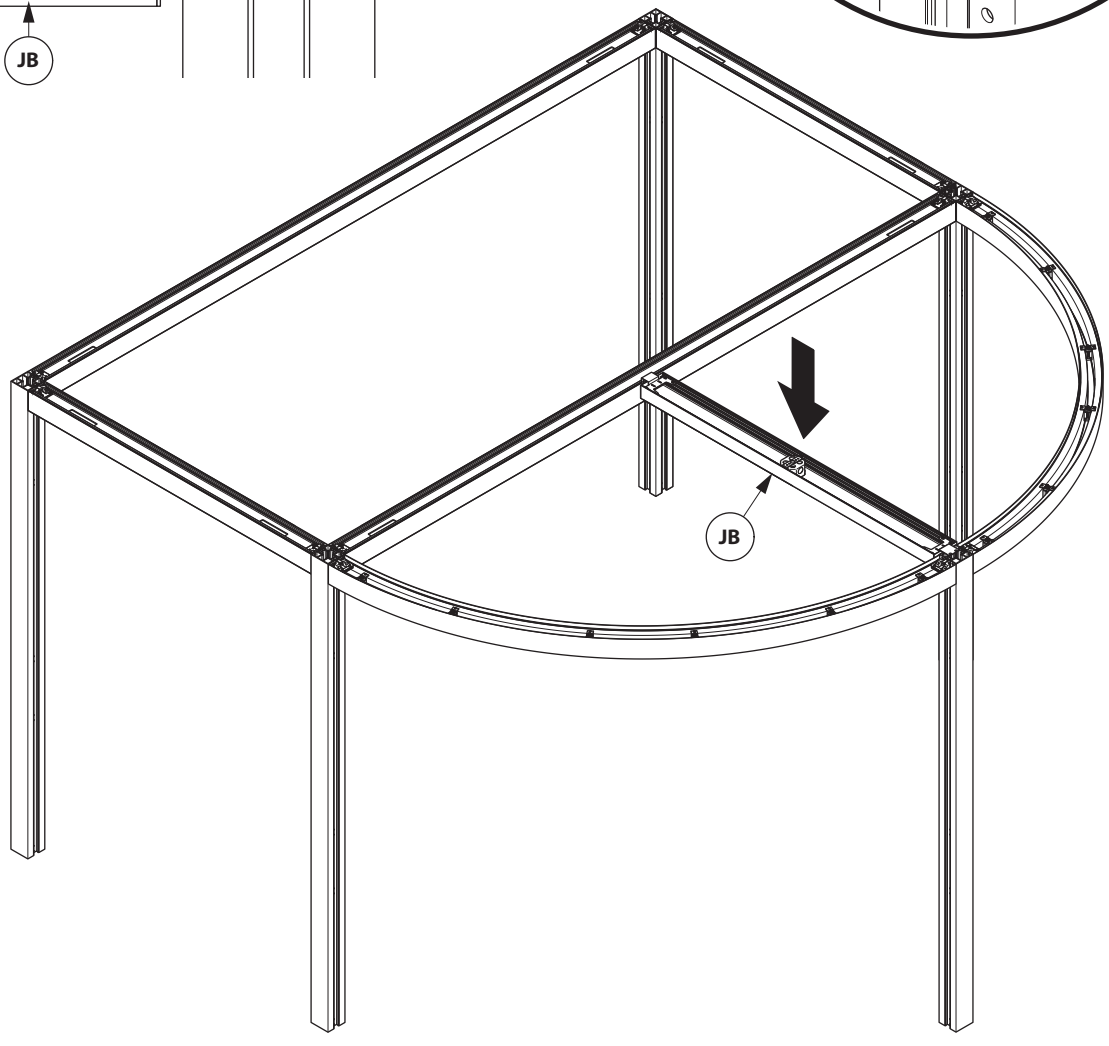


Ceiling Light Trough - Round

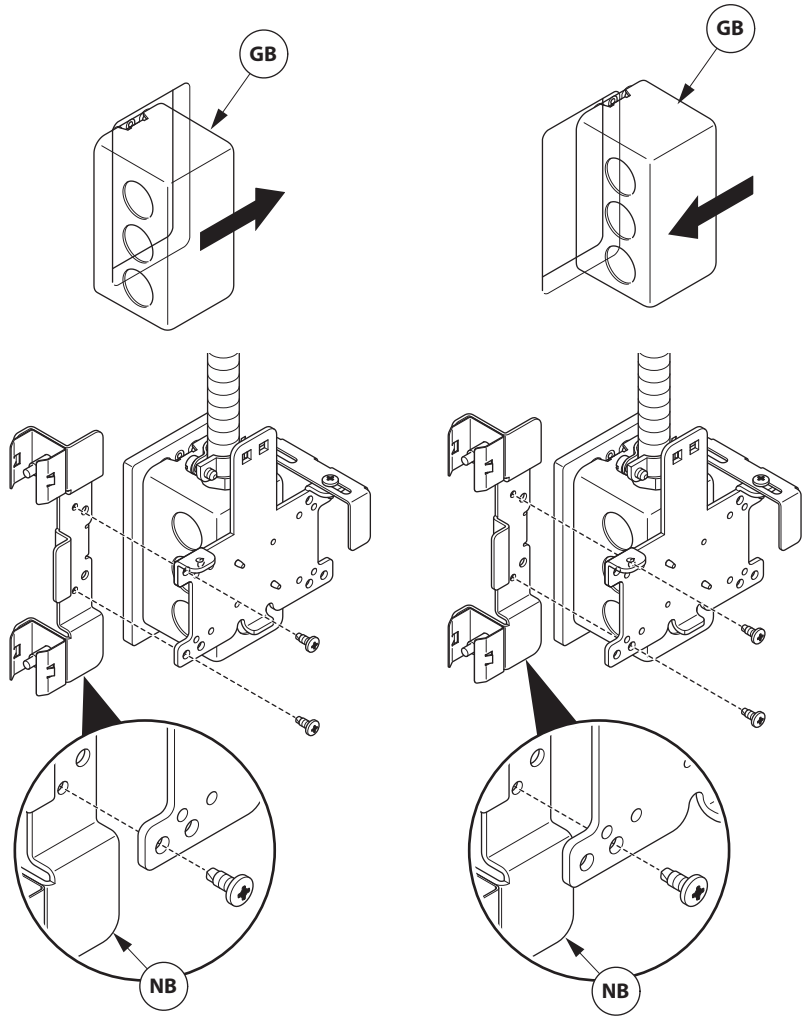




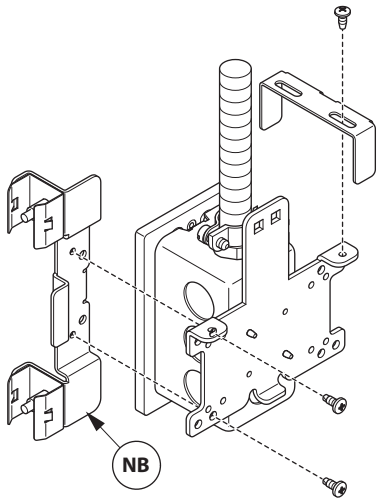




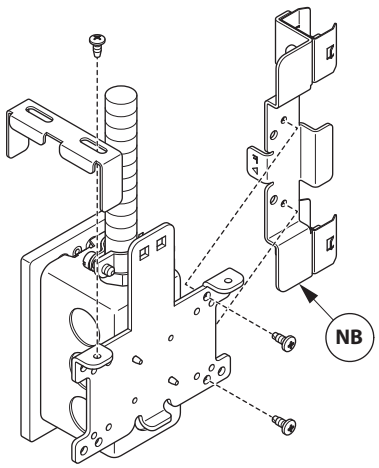
Optional - Receptacle Adjustments



MOUNT ON RIGHT SIDE

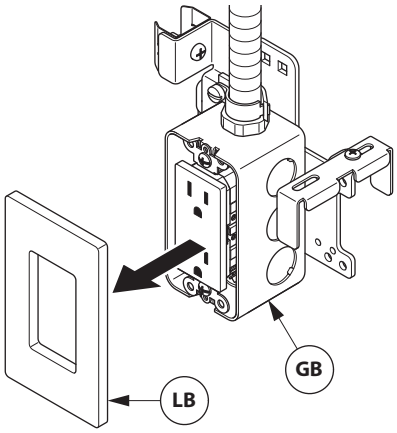


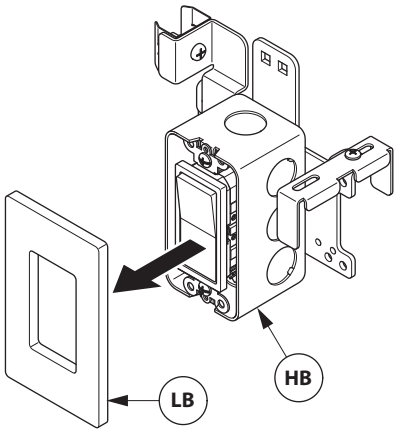
MOUNT ON LEFT SIDE



Receptacle and Switch Installation

1 **Remove face plate**

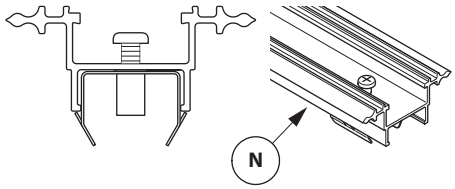




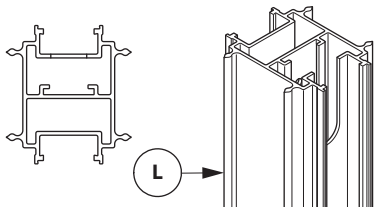
2 Install receptacle

OPTIONAL RAILS

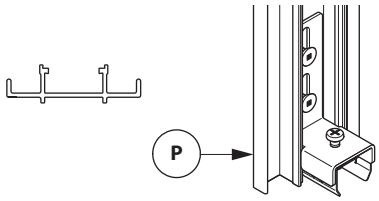
Vertical/Horizontal Tile-Frame Rail

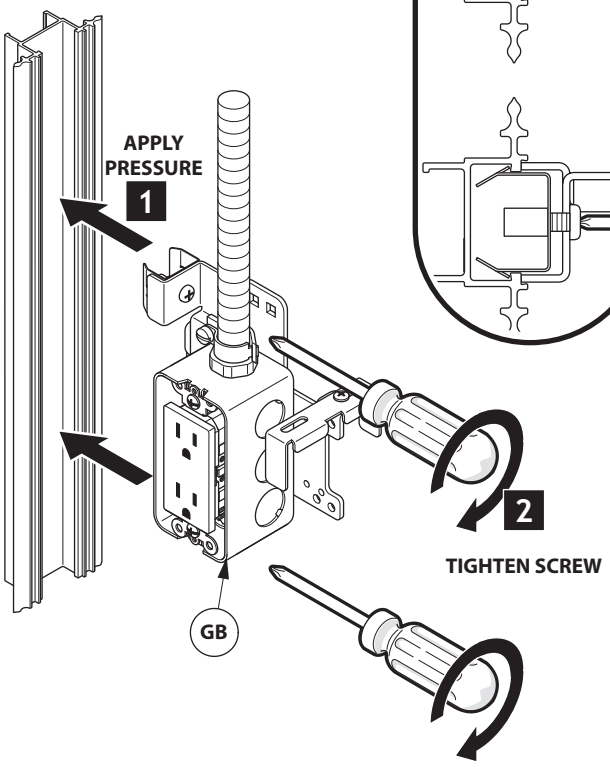


Vertical Tile-Tile Rail

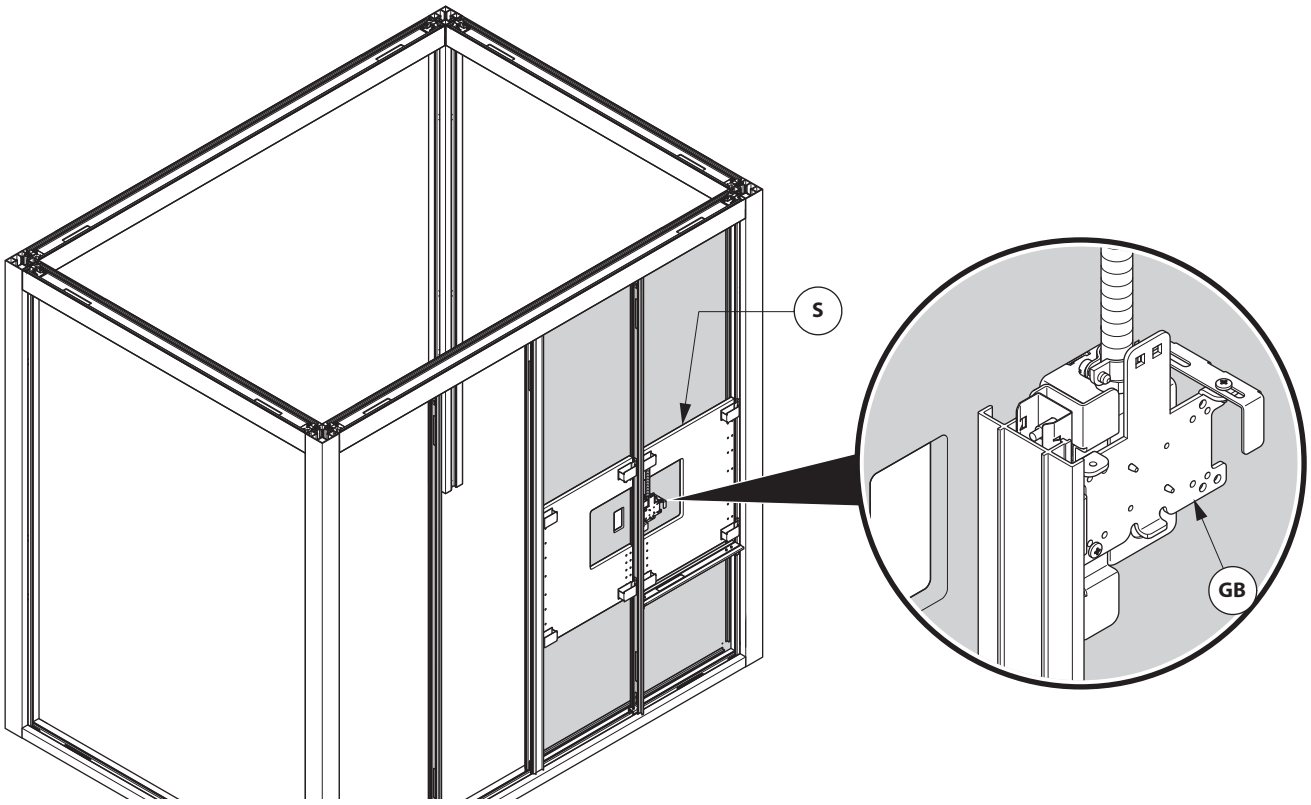


Centerbeam Tile Rail

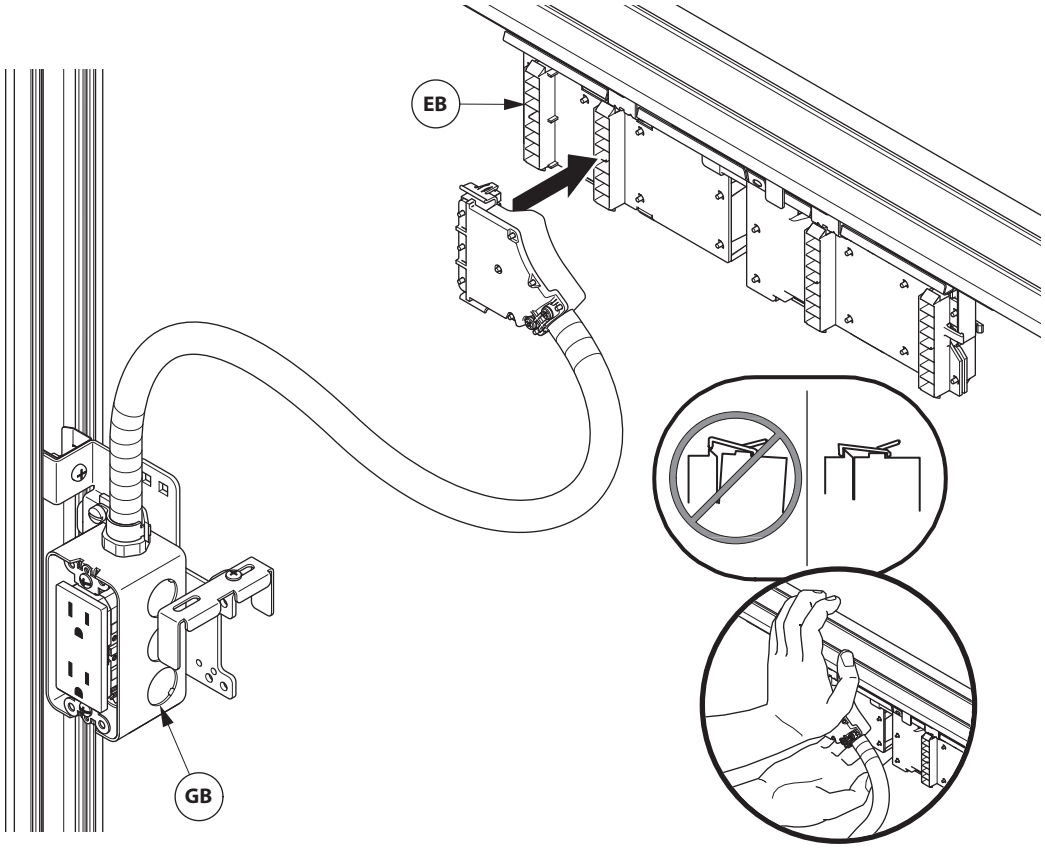




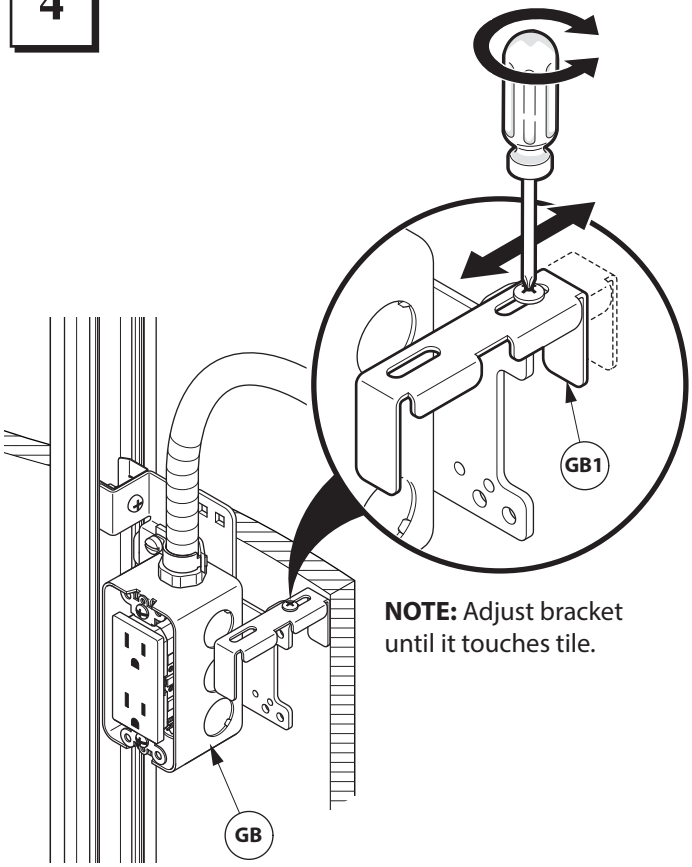
Power Installation with Plywood Backer



3 **Attach connector to PDA**



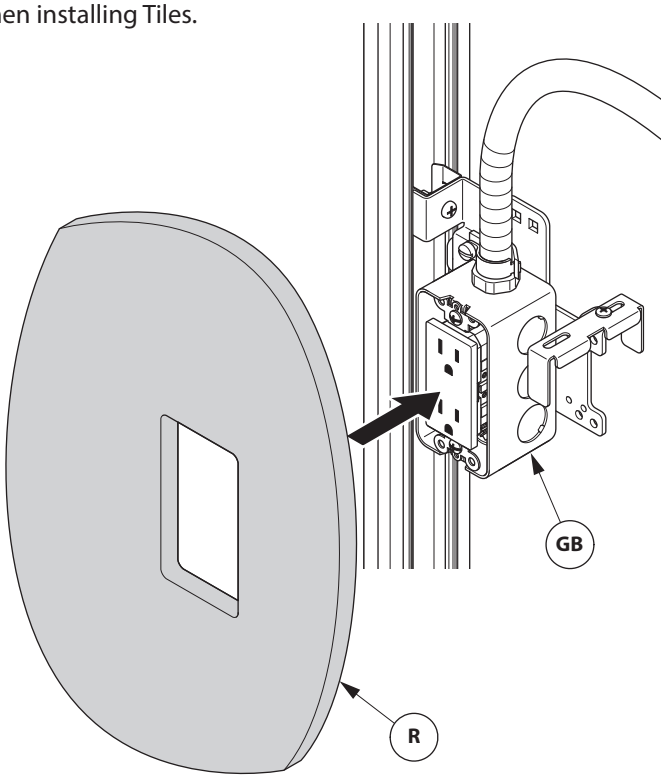
4 Adjust tile support as needed



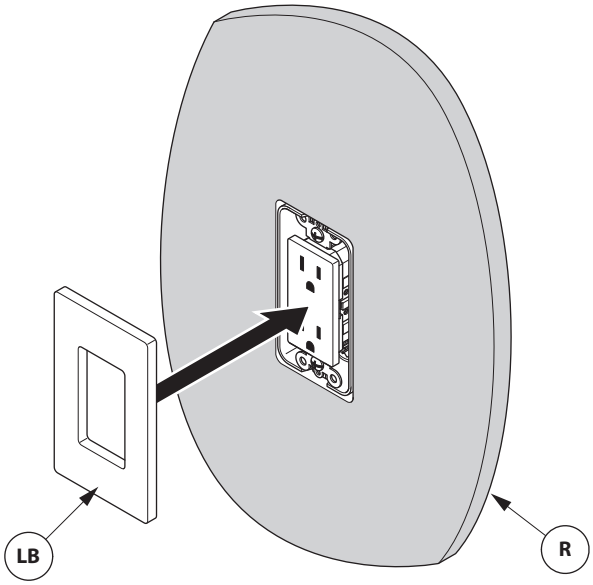
NOTE: Adjust bracket until it touches tile.

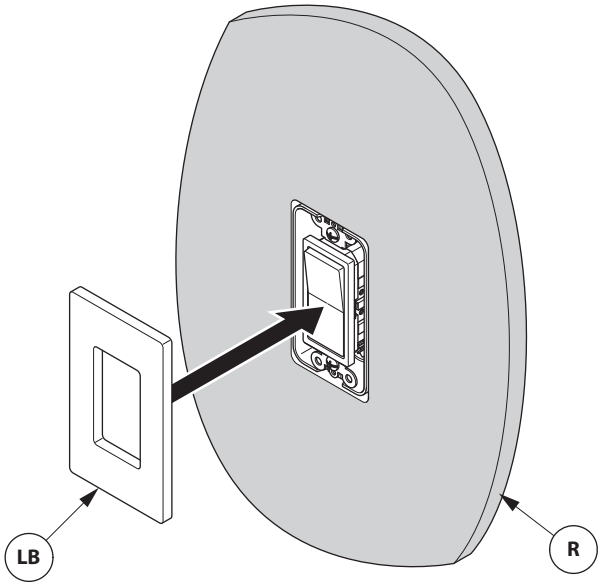
5 Install tile

NOTE: Refer to Section 4 when installing Tiles.



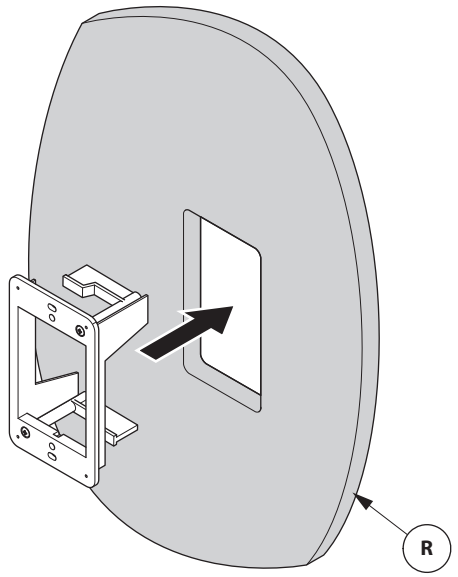
6 Attach face plate by snapping on



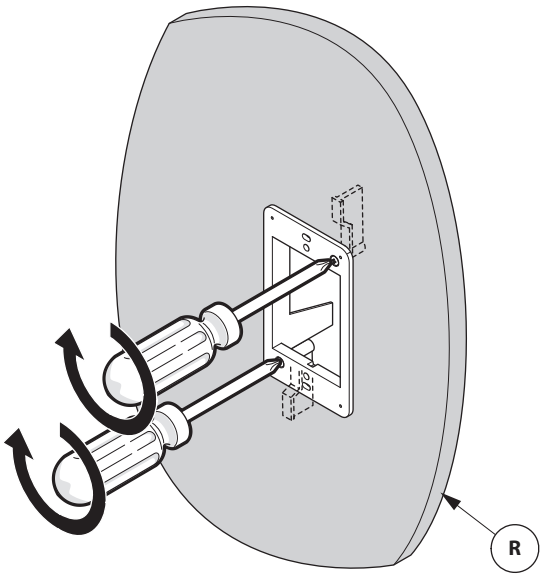


Low Voltage Kit Installation

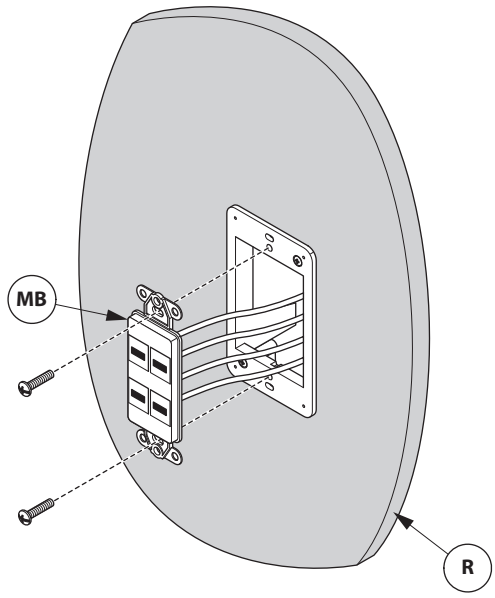
1 Insert junction box



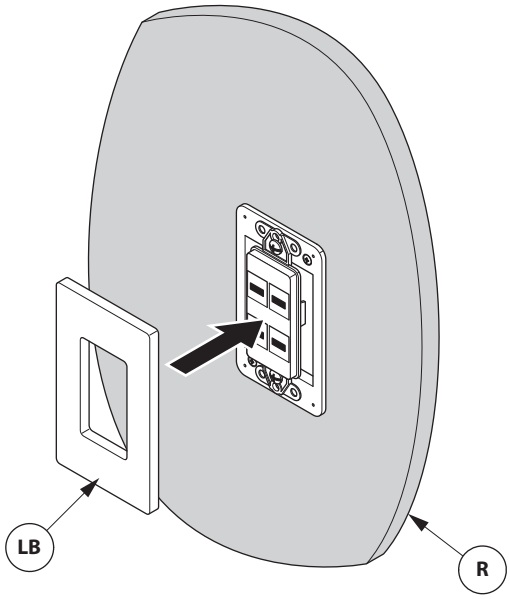
2 Secure junction box



3 Install data plate



4 Install face plate

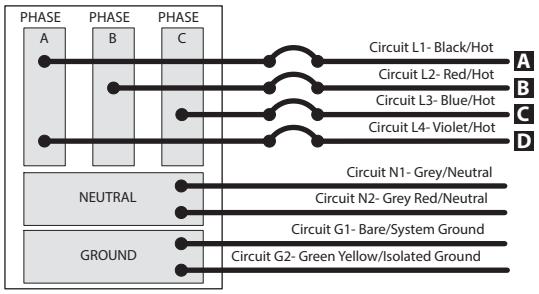


Wiring Diagram - Four-Circuit, 3+1

4 CIRCUIT		WIRE COLOR
N1	=	GREY (10GA)
N2	=	GREY RED (10GA)
G2	=	GREEN YELLOW (12GA)
G1	=	BARE COPPER (12GA)
L1	=	BLACK (12GA)
L2	=	RED (12GA)
L3	=	BLUE (12GA)
L4	=	VIOLET (12GA)

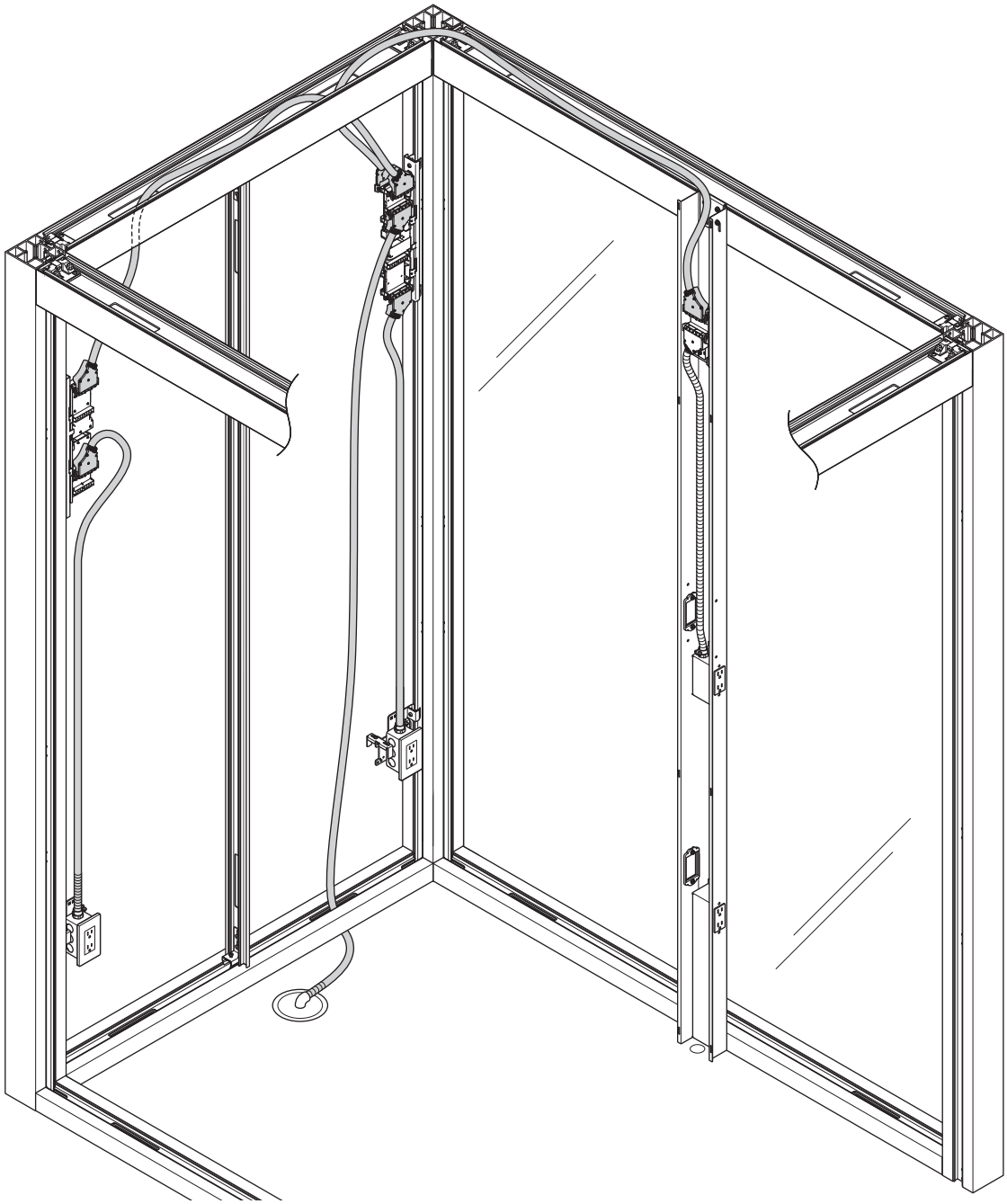
In the four-circuit 3+1 schematic, Circuits 1, 2, and 3 are supported with one shared neutral. Circuit 4 is supported with a separate neutral.

Three 208Y/120V Phase Circuit Panel



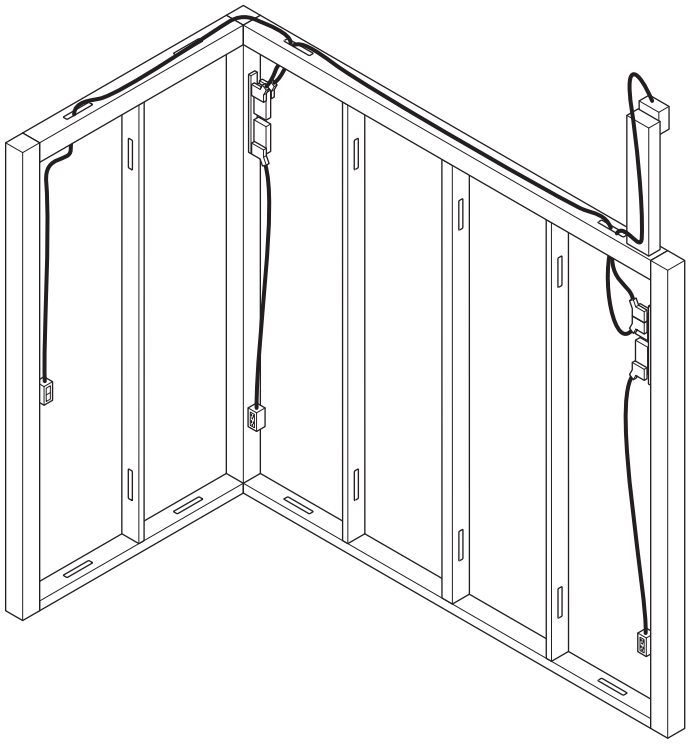
On a 3-phase circuit panel, circuits are distributed as shown.

Power Routing Overview



Electrical Routing Options

Vertical Tiles



Horizontal Tiles

