

height-adjustable bench - Livello

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Base Feed Cover	HABEBC		
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Chicago Ceiling Feed	HABECFCH		
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Power Conservation System	HABEPC	303	Jan 2018

Product Name	Product Code	Guide No.	Last Updated
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height-adjustable bench *Installation Guides*

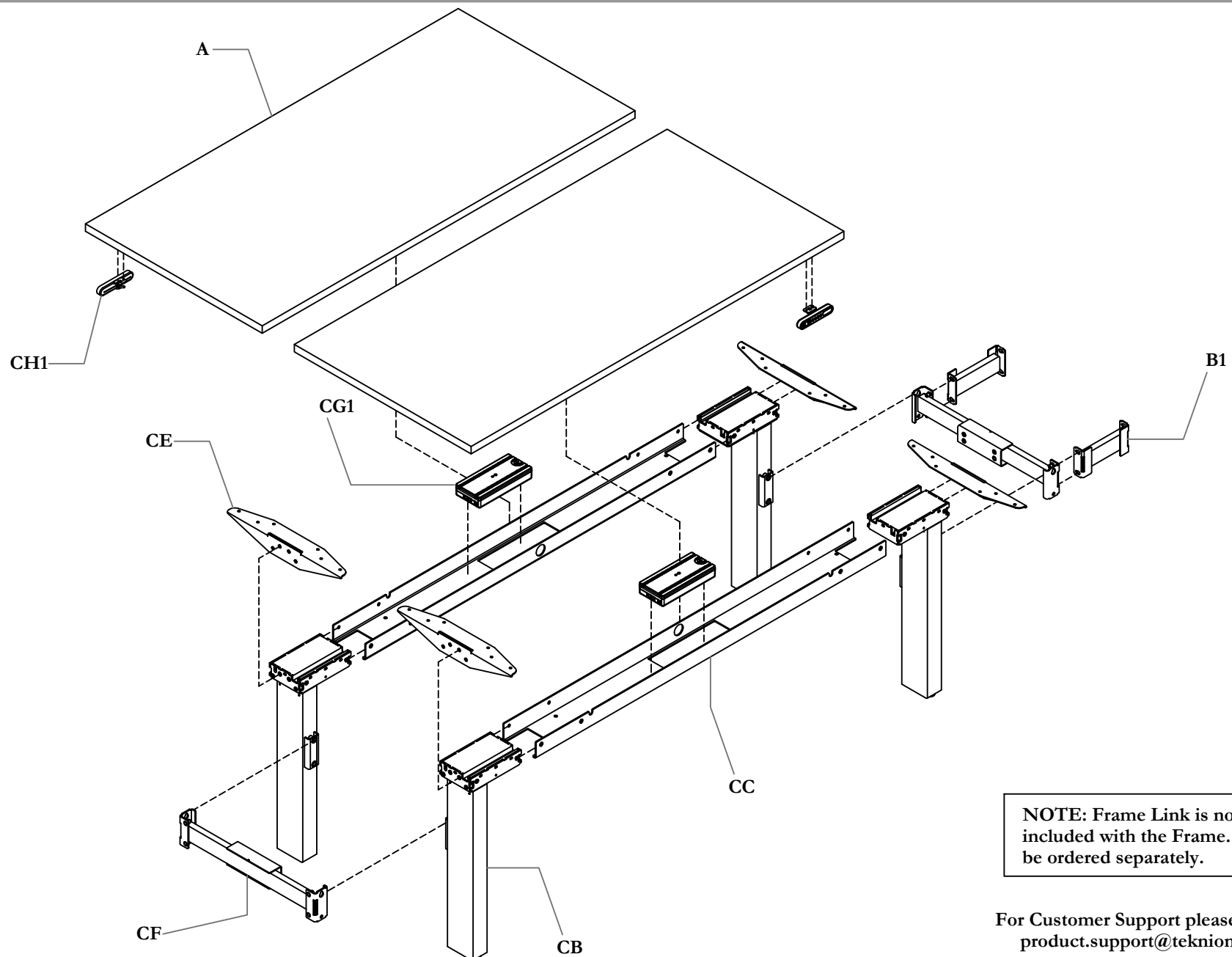
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Section: **FRAMES & WORKSURFACES**

Date: May 2017 Page No: 1 of 8
HABL_101 Rev. No: 3

Description: **STANDARD/EXTENDED RANGE FRAMES & WORKSURFACE**

Livello Rectangular Worksurface (HABWRL), Livello Frame (HABFLV), Frame Link (HABFLF)



NOTE: Frame Link is not included with the Frame. Must be ordered separately.

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height-adjustable bench *Installation Guides*

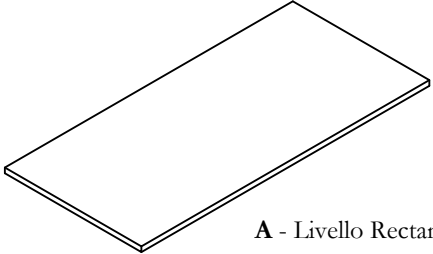
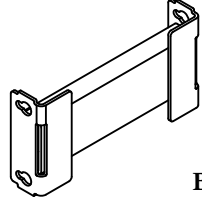
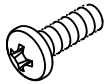
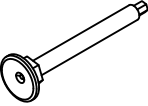
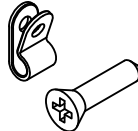
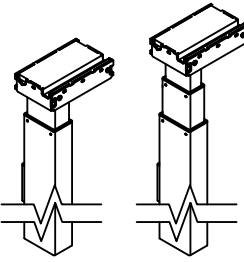
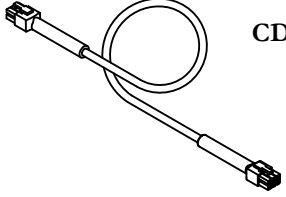
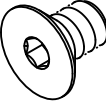
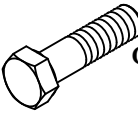
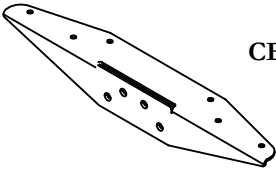
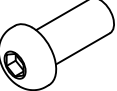

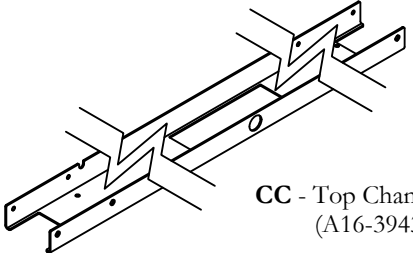
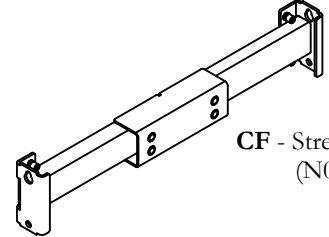
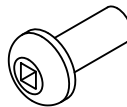

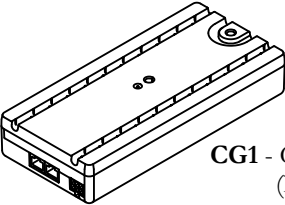
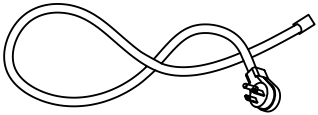
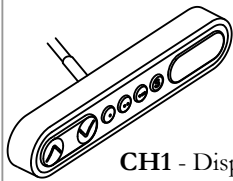
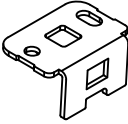
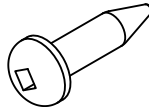
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Section: **FRAMES & WORKSURFACES**

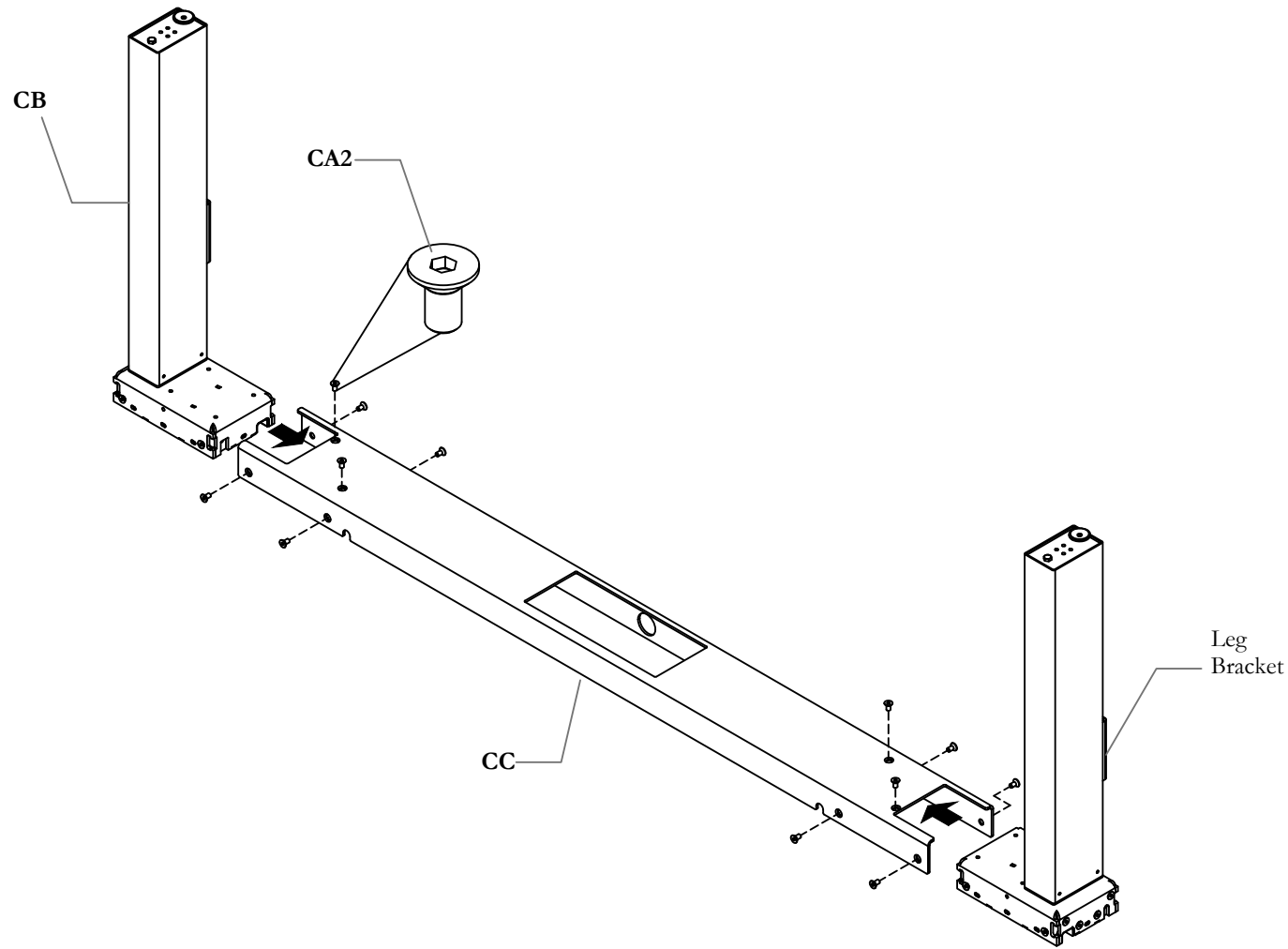
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Description: **STANDARD/EXTENDED RANGE FRAMES & WORKSURFACE**

Part and Product Identification

 <p>A - Livello Rectangular Worksurface (HABWRL) x2</p>		<p>B - Frame Link (HABFLF) x1</p>		
		 <p>B1 - Frame Link (N09-5913) x2</p>	 <p>B2 - 1/4-20 X 5/8" Mach Screw, Quad, Truss (E01-1010) x8</p>	
<p>C - Livello Frame (HABFLV) x1</p>				
<p>CA - Hardware Kit (X05-0345) x1</p>				
 <p>CA1 - Leg Leveler (D06-4186) x4</p>	 <p>CA5 - Wire Clips 3/8 (B02-0558) & Screws (E04-0090) x4</p>	 <p>CB - Leg Extended Range (N09-5903L) x2 (N09-5903R) x2 OR Leg Standard Range (N09-5868L) x2 (N09-5868R) x2</p>	 <p>CD - 1000mm Motor Cables (N09-5597) x4 OR 15" Long Multi 24/18 6 COND (I04-0099) x4</p>	
 <p>CA2 - M5X0.8-10 Flat Head Cap Screw (E01-0989) x40</p>	 <p>CA6 - Hex Head Bolt, M10X1.75X16 (E03-0790) x4</p>		 <p>CE - Strut (A16-3957/24) x4</p>	
 <p>CA3 - 5/16"-18X3/4" Socket Drive Screw (E01-1035) x8</p>	 <p>CA7 - Adhesive Cord Clip (B02-0556) x6</p>		 <p>CC - Top Channel (A16-3943) x2</p>	 <p>CF - Stretcher Bar (N09-5870) x2</p>
 <p>CA4 - 1/4-20X5/8 PN QD Machined (E01-0992) x24</p>	 <p>CA8 - Grommet for Top Channel Rear Cutout (B02-0557) x2</p>			
<p>CG - Electrics Kit (X09-0028) x1</p>		<p>CH - Memory Switch Kit (N09-5610) x2</p>		
 <p>CG1 - Control Box (N09-5910) x2</p>	 <p>CG2 - Power Supply Cord 120V (I04-0100) x2</p>	 <p>CH1 - Display Switch (N09-5600) x1</p>	 <p>CH2 - 90 Deg. Mounting Bracket (A16-3970) x1</p>	
			 <p>CH3 - #8 X 5/8" Pan Quad Screw (E04-0091) x2</p>	

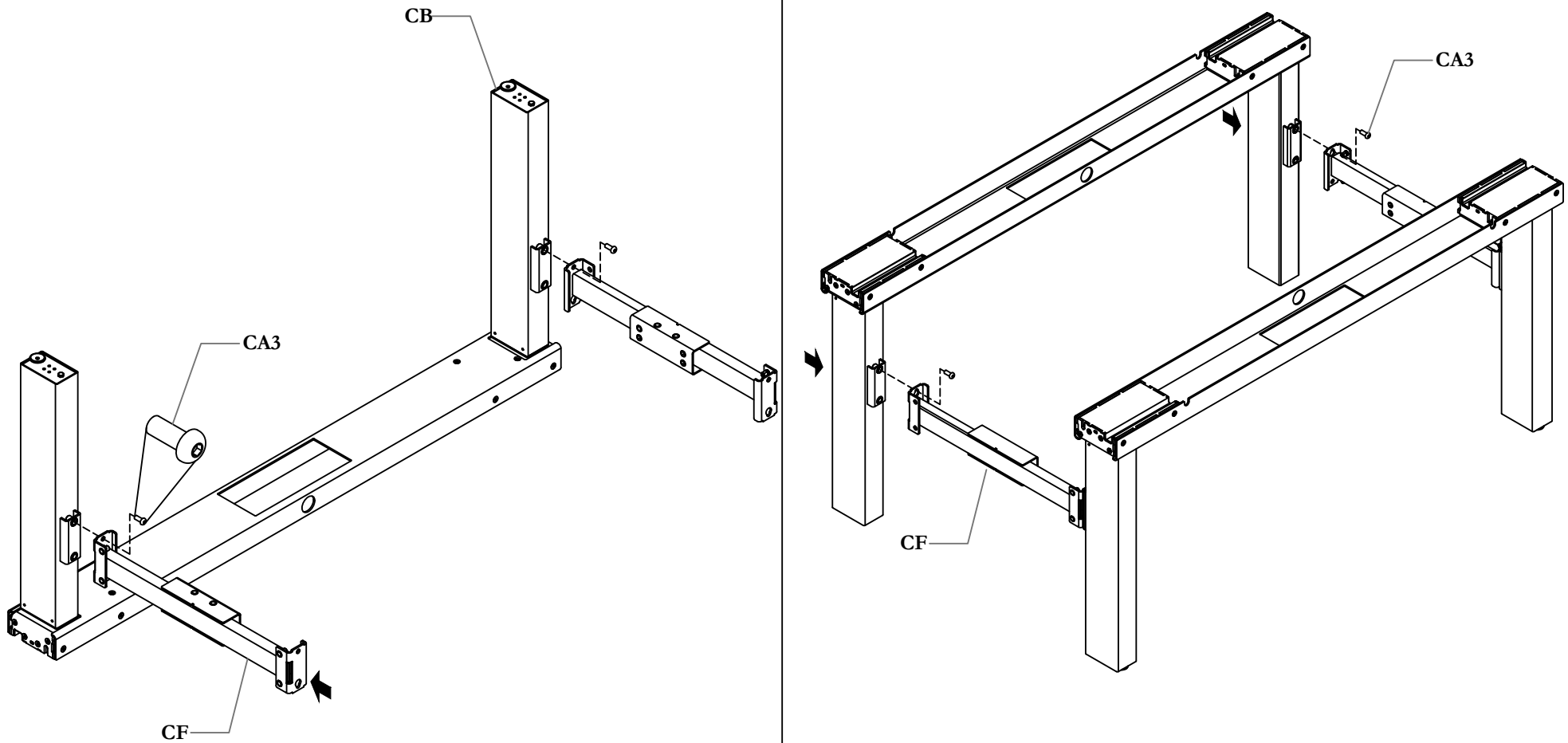
INSTALL LEVELERS & ATTACH LEGS TO TOP CHANNEL



NOTE: Make sure the circular cutouts on the Top Channel face the same side as the brackets welded on the Legs.

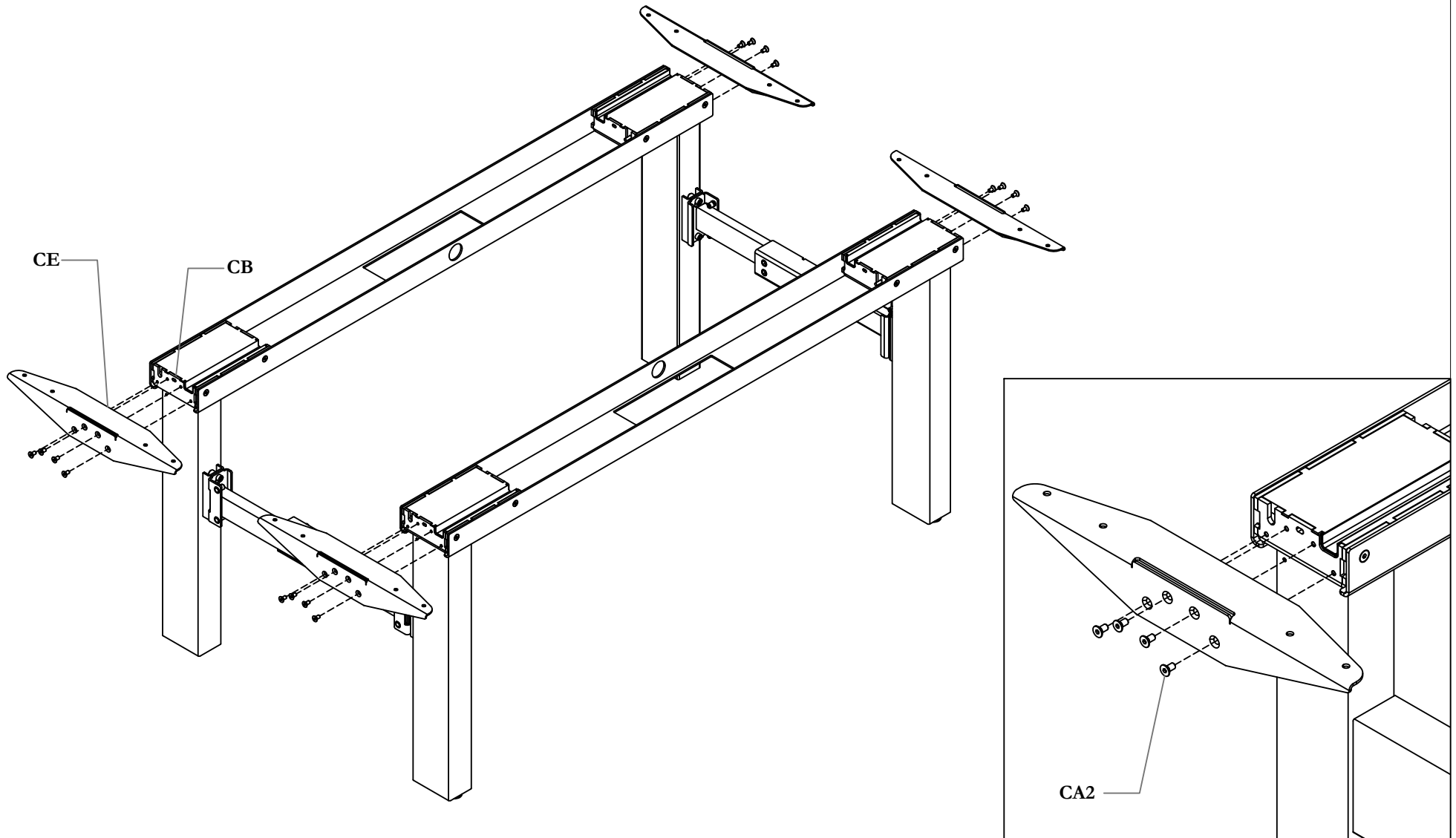
STEP 1: Fasten Legs to Top Channel with M5 Flat Head Screws provided (x36). Repeat for all legs.

ATTACH STRETCHER BAR TO LEGS



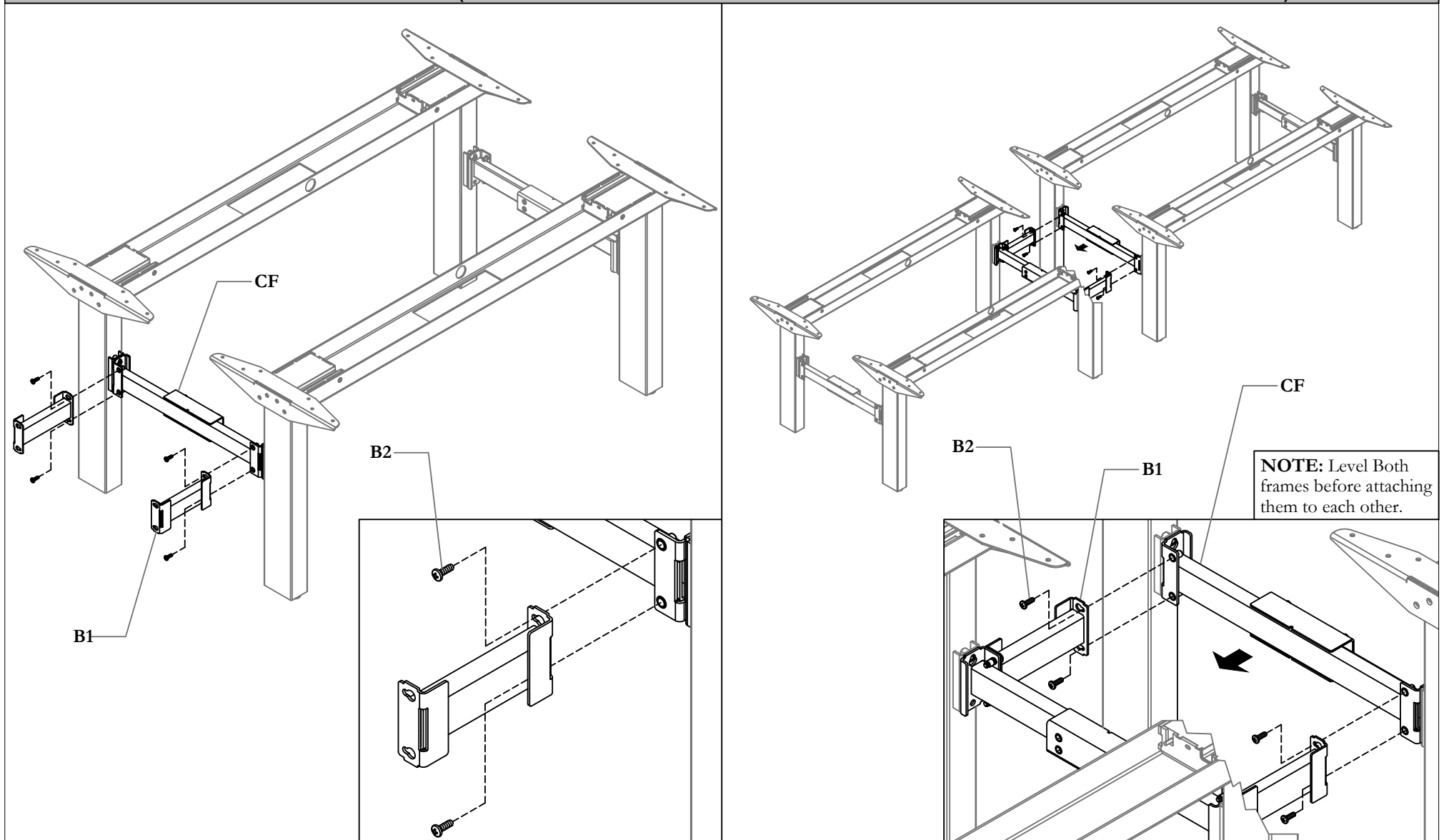
STEP 2: Attach Stretcher Bars to Legs.

ATTACH STRUTS TO LEGS



STEP 3: Attach Struts to Legs.

INSTALL FRAME LINK (NOT INCLUDED WITH FRAME - MUST ORDER SEPARATELY)



STEP 4: Fasten Frame Link to one of the table Frame Stretcher Bars first, as indicated. Bring over 2nd frame, and attach Stretcher Bar to frame Link as show.

height-adjustable bench *Installation Guides*

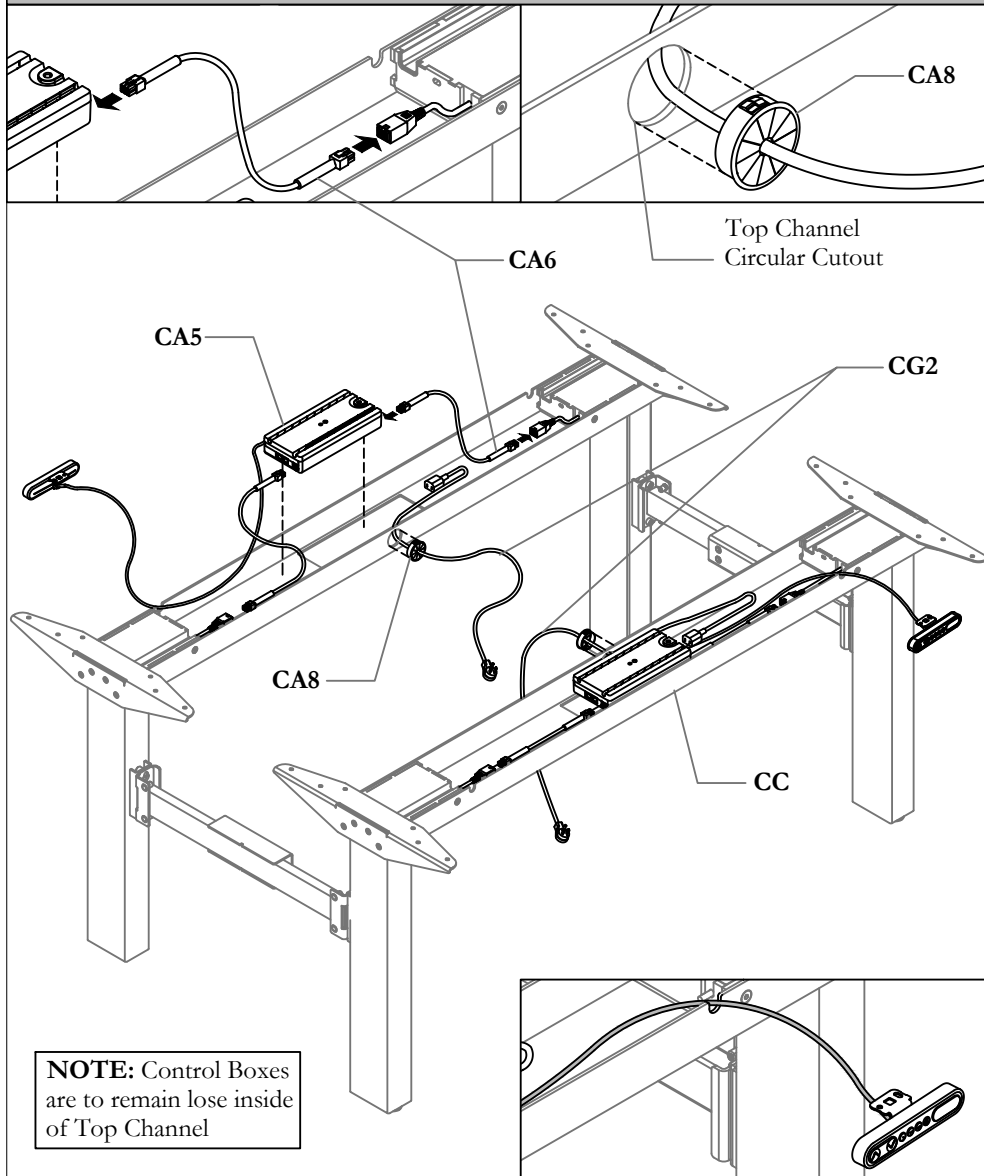
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Section: **FRAMES & WORKSURFACES**

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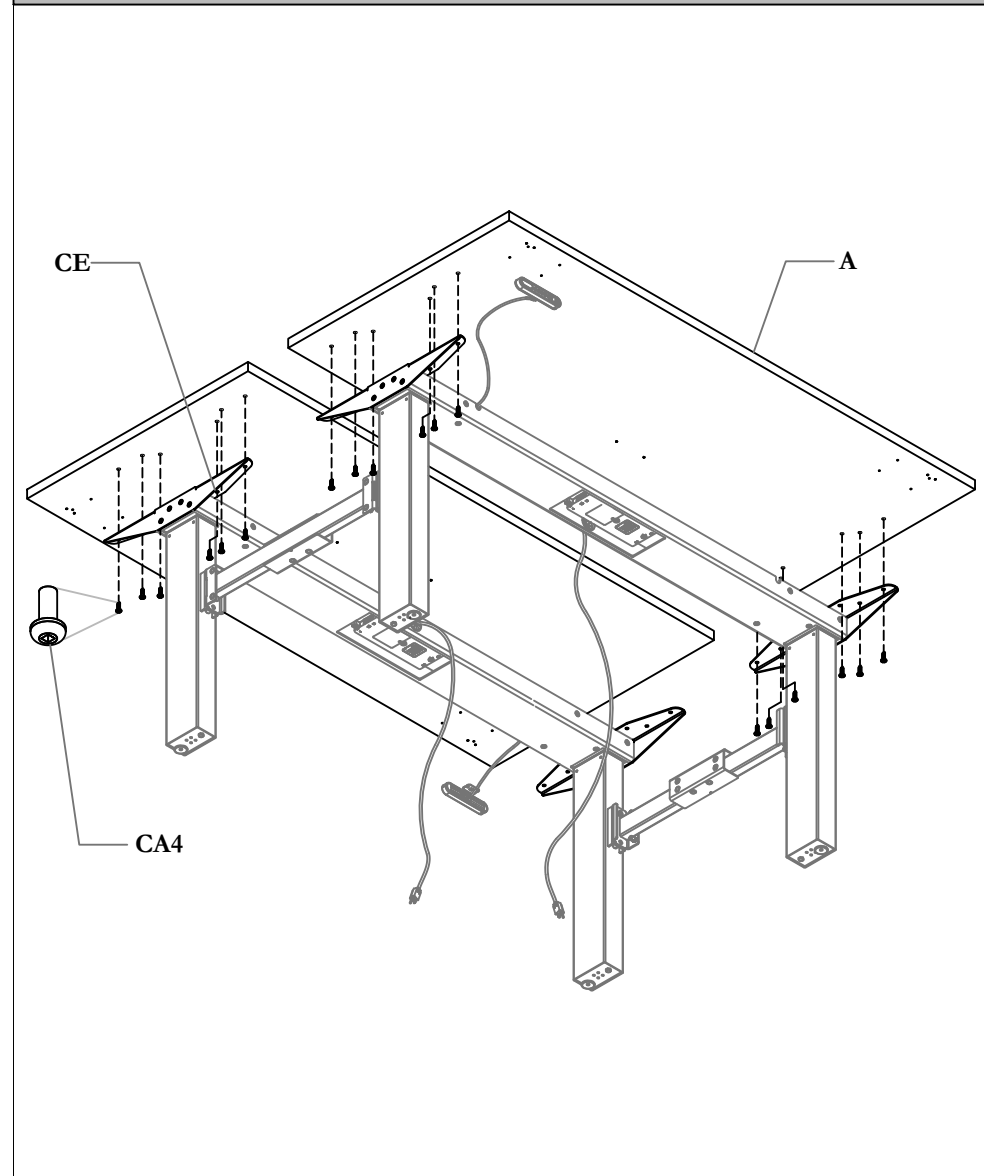
Description: **STANDARD/EXTENDED RANGE FRAMES & WORKSURFACE**

PLACE CONTROL BOXES INSIDE OF CHANNELS



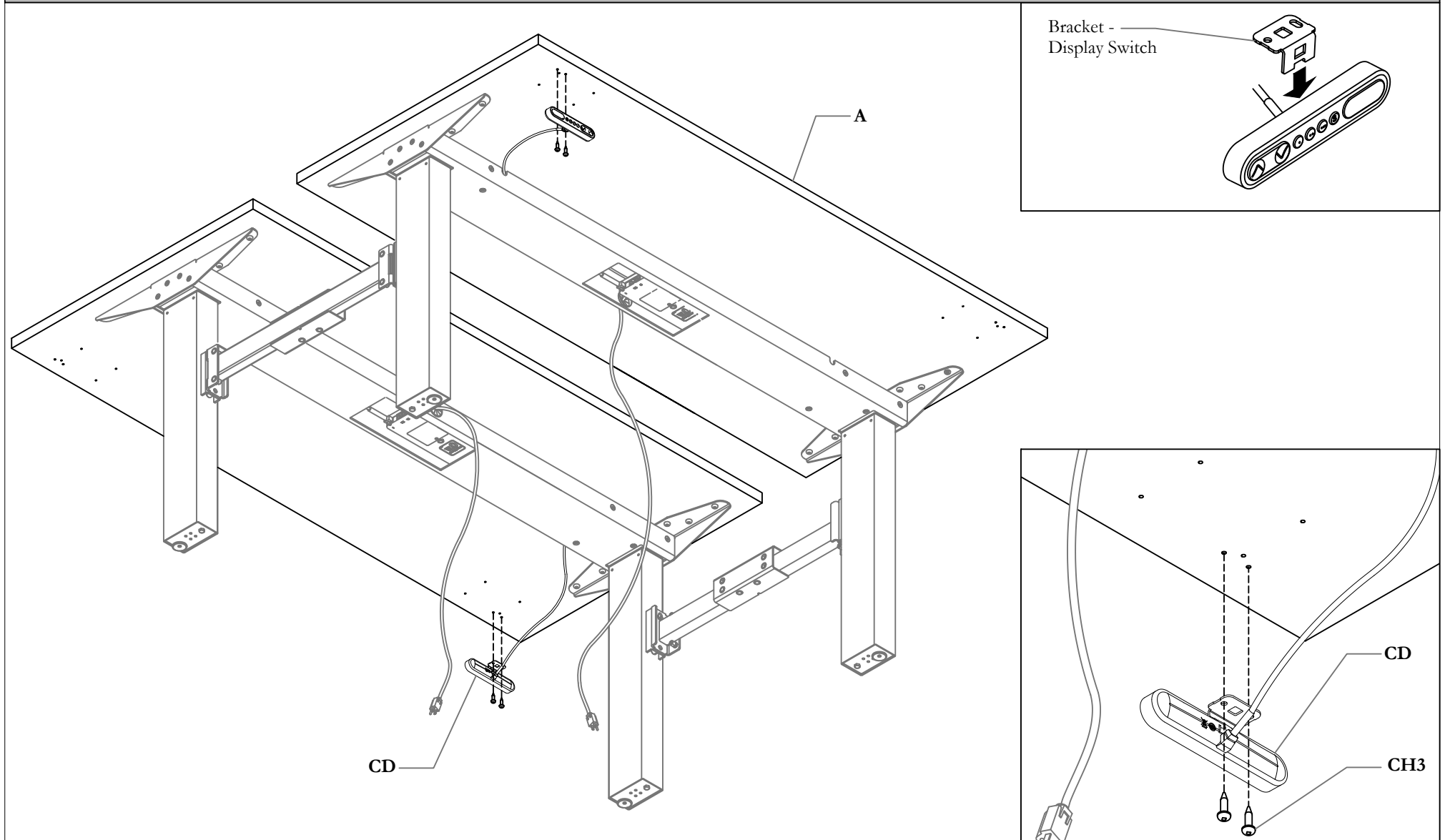
STEP 5: Place Control Boxes inside of Top Channels & Connect Motor Cables, Switch and Power Cord with Control Boxes. Insert Power cord into Grommet & insert Grommet into Top Channel circular cutout until snaps in place. The Switch Cord should go through one of the lateral Top Channel Notches, as shown.

INSTALL WORKSURFACES



STEP 6: Bring Worksurfaces on top of Livello Frame. Align Worksurface & Strut holes. Fasten worksurfaces in place with the 24 Pan Quad Machined Screws provided.

SECURE DISPLAY SWITCHES IN PLACE



STEP 7: Insert Bracket into slot at the back of Display Switch until it snaps in place. Attach Display Switches to Worksurface as shown, with the four #10x3/4" Pan Quad Screws provided (two per Display Switch). Use wire clips and screws provided (item F) to attach Display Switches Cords to the Worksurface.

height-adjustable bench *Installation Guides*

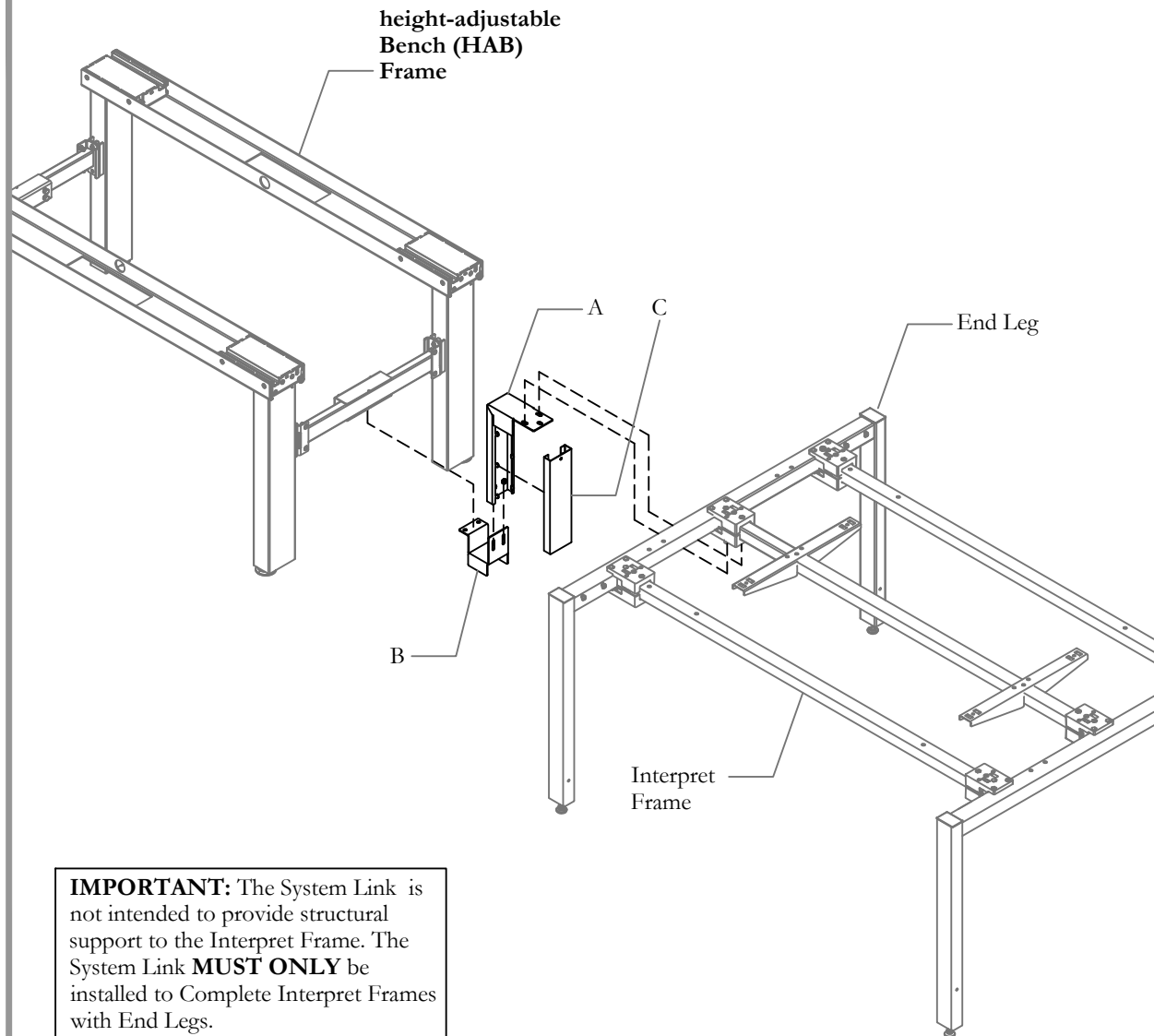
Section: **FRAMES & WORKSURFACE**

Description: **SYSTEM LINK - HEIGHT-ADJUSTABLE BENCH (HAB) TO INTERPRET**

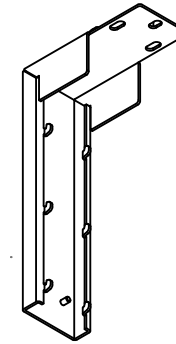
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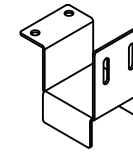
System Link - HAB to Interpret (HABFLS1)



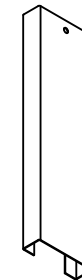
Part and Product Identification



A - System Link Top Bracket Sub-Assy, HAB to Interpret (N09-5120) x1



B - System Link Bottom Bracket, HAB to Interpret (A16-3051) x1



C - System Link Cover, HAB to Interpret (A16-3200) x1



D - 1/4-20 UNC. Nut Hex Keps Zinc (E03-0059) x2



E - 1/4-20X3/4" Mach. Screw Quad Truss (E01-2010) x2

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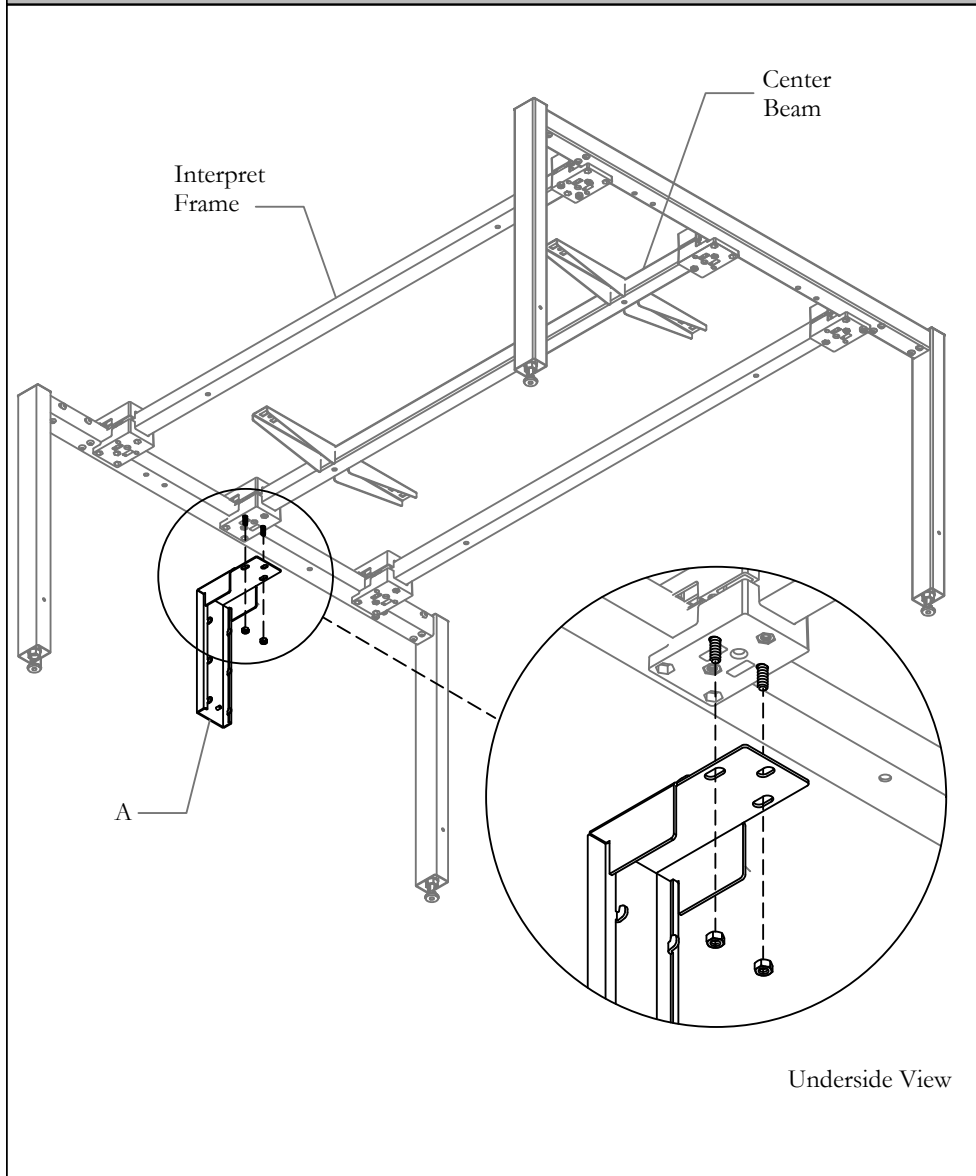
height-adjustable bench *Installation Guides*

Section: **FRAMES & WORKSURFACE**

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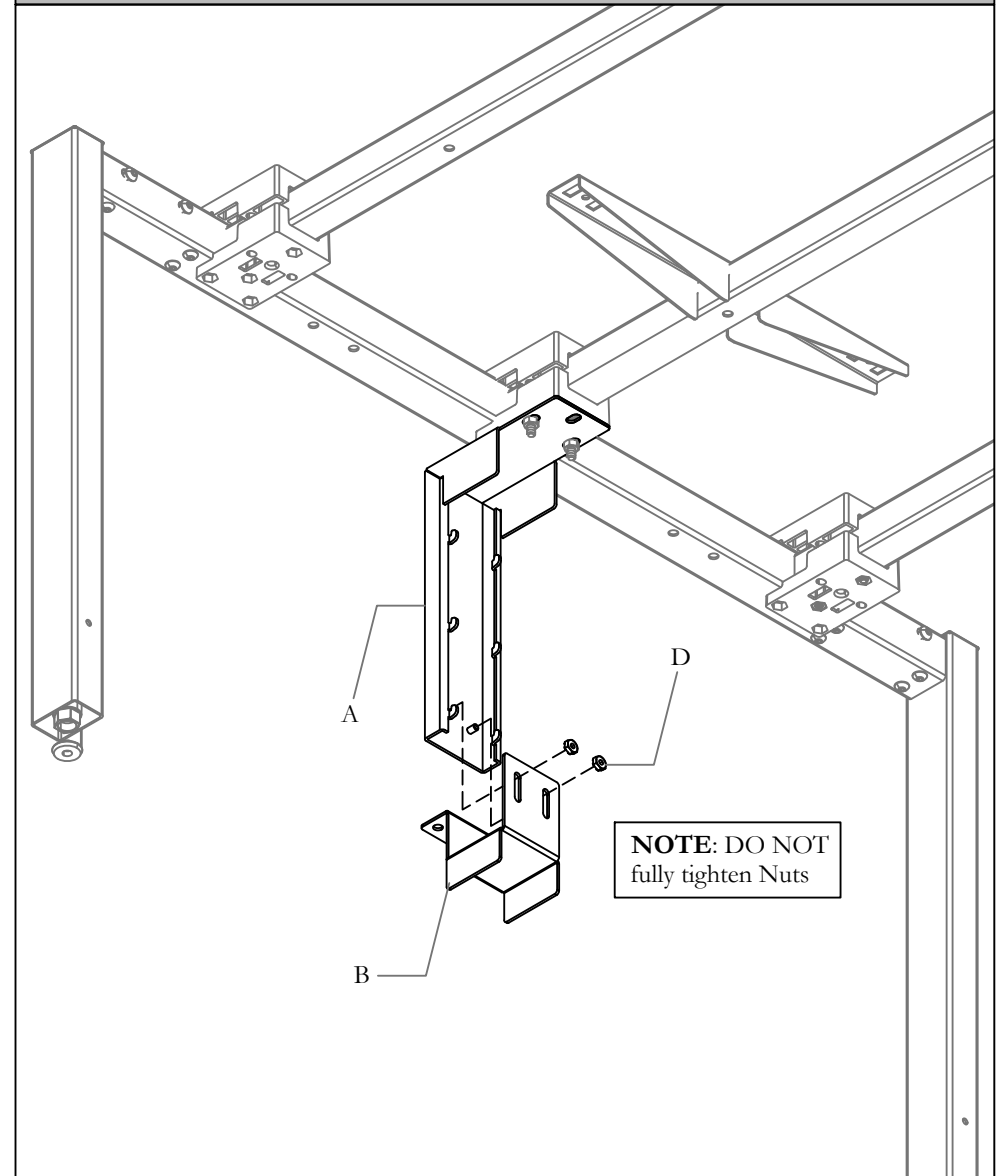
Description: **SYSTEM LINK - HEIGHT-ADJUSTABLE BENCH (HAB) TO INTERPRET**

ATTACH TOP BRACKET TO INTERPRET FRAME



STEP 1: Using Interpret Frame Nuts fasten Top Bracket to Center Beam of Interpret Frame, as shown.

PLACE BOTTOM BRACKET IN PLACE



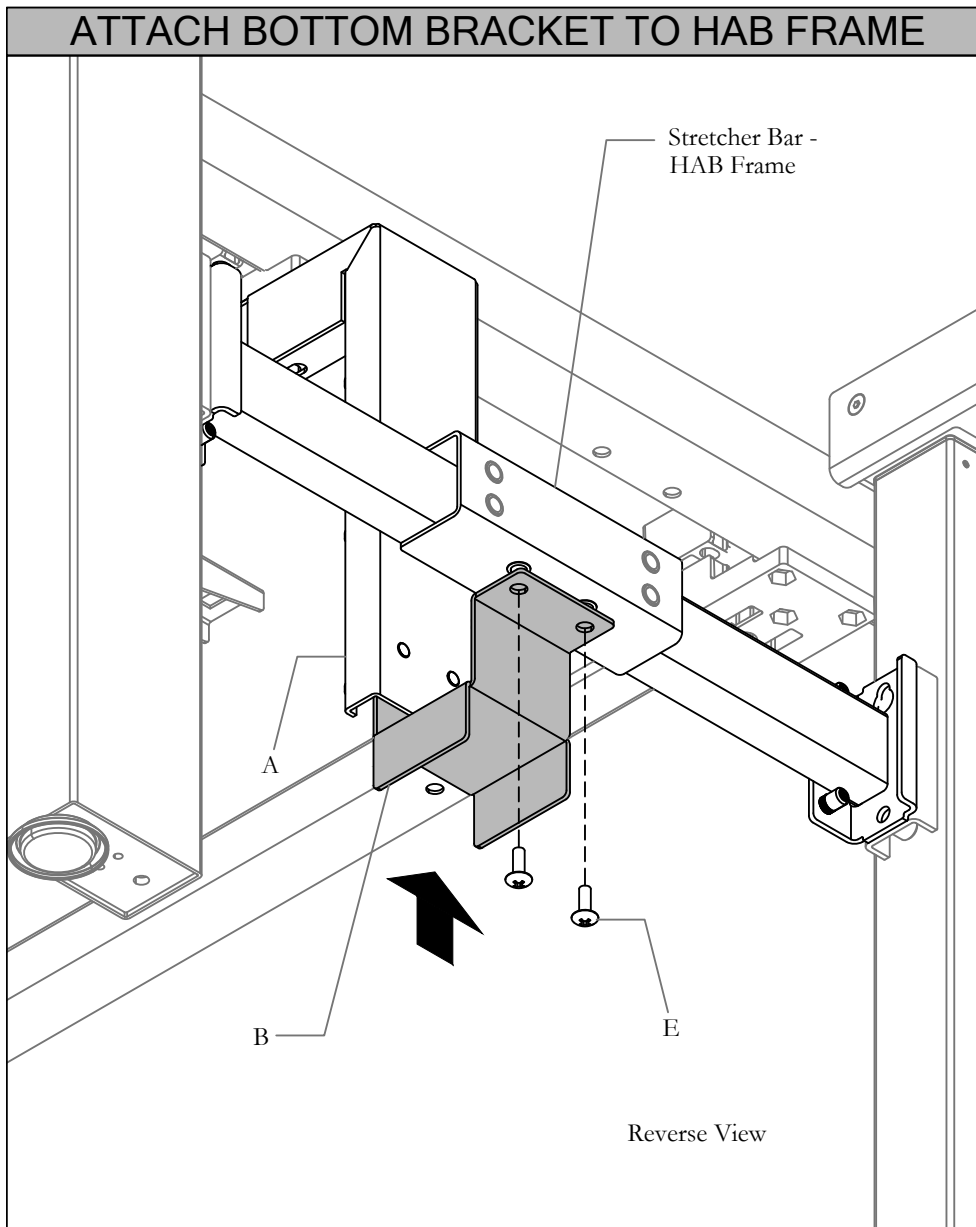
STEP 2: Place Bottom Bracket in place by inserting Top Bracket studs into Bottom Bracket slots. Fasten Nuts provided but **DO NOT fully tighten**.

height-adjustable bench *Installation Guides*

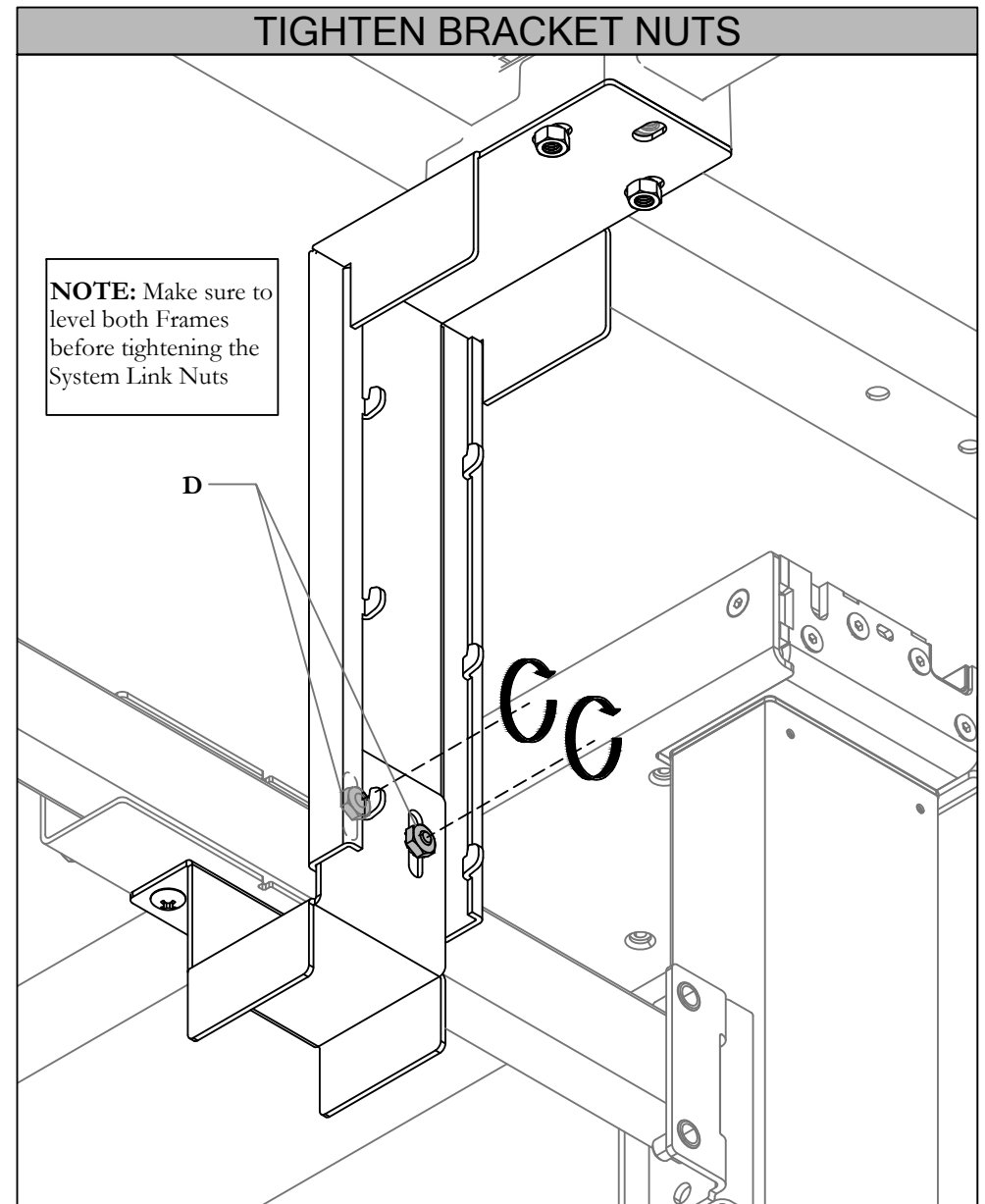
Section: **FRAMES & WORKSURFACE**

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Description: **SYSTEM LINK - HEIGHT-ADJUSTABLE BENCH (HAB) TO INTERPRET**



STEP 3: Align Bottom Bracket & HAB Frame Stretcher Bar holes. Slide Bottom Bracket up & fasten it to HAB Frame Stretcher Bar with Mach Screws provided.

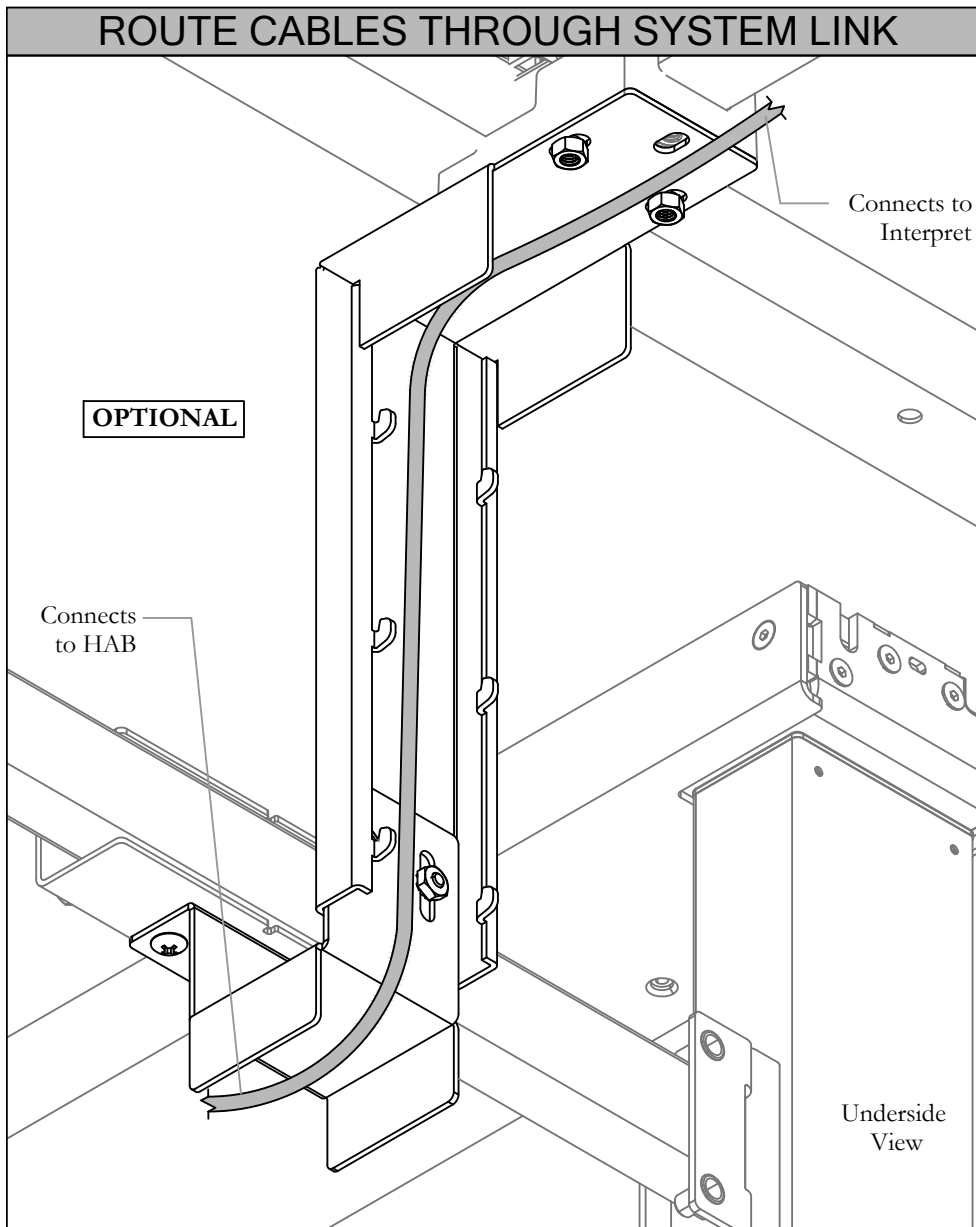


STEP 4: **Fully tighten** Top Bracket Nuts to secure Bottom Bracket in place.

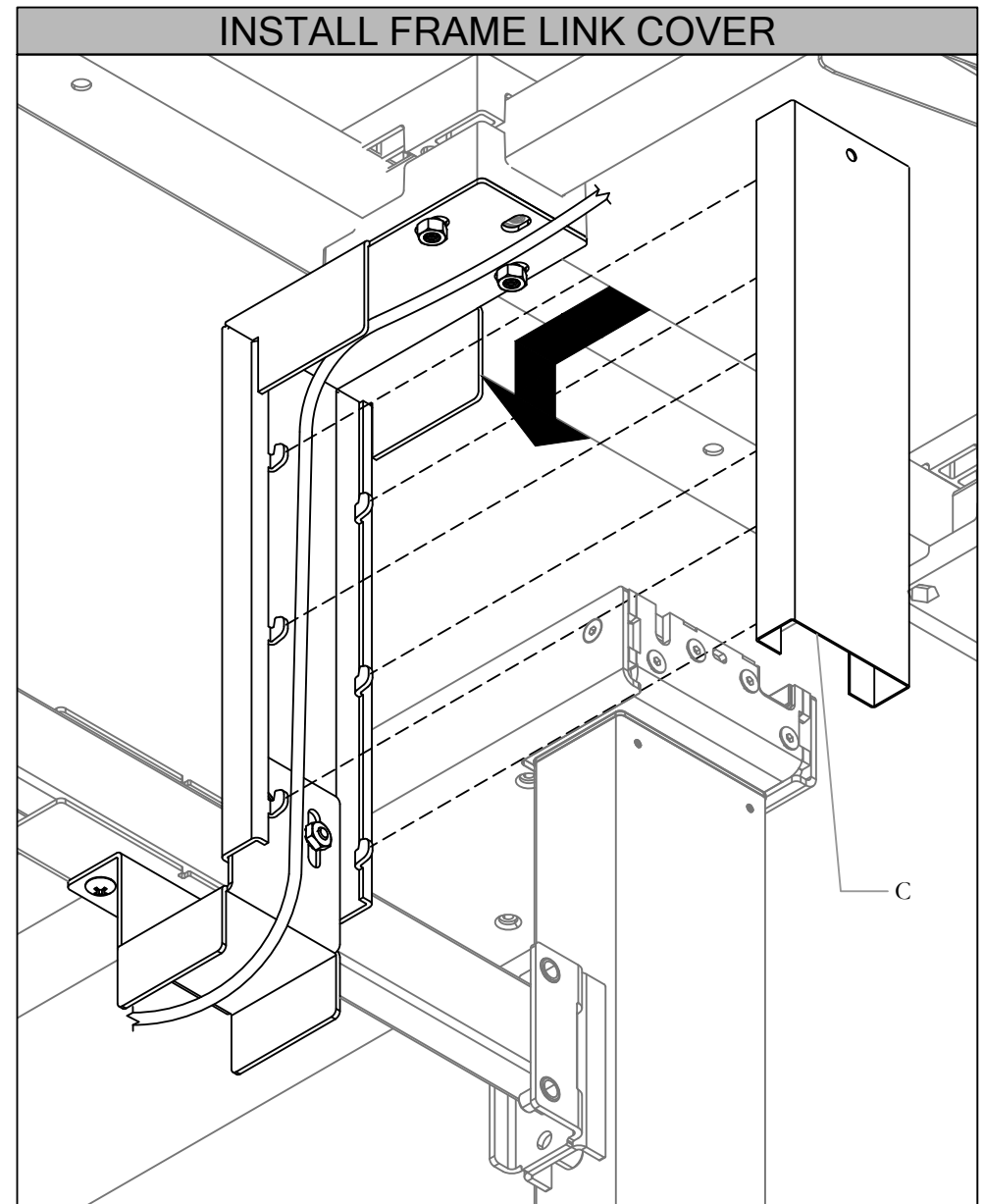
Section: **FRAMES & WORKSURFACE**

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Description: **SYSTEM LINK - HEIGHT-ADJUSTABLE BENCH (HAB) TO INTERPRET**



STEP 5: Route Cables through System Link to electrically connect both systems.



STEP 6: Insert the Top Bracket hooks into the vertical slots on the System Link Cover and allow Cover to slide slightly down..

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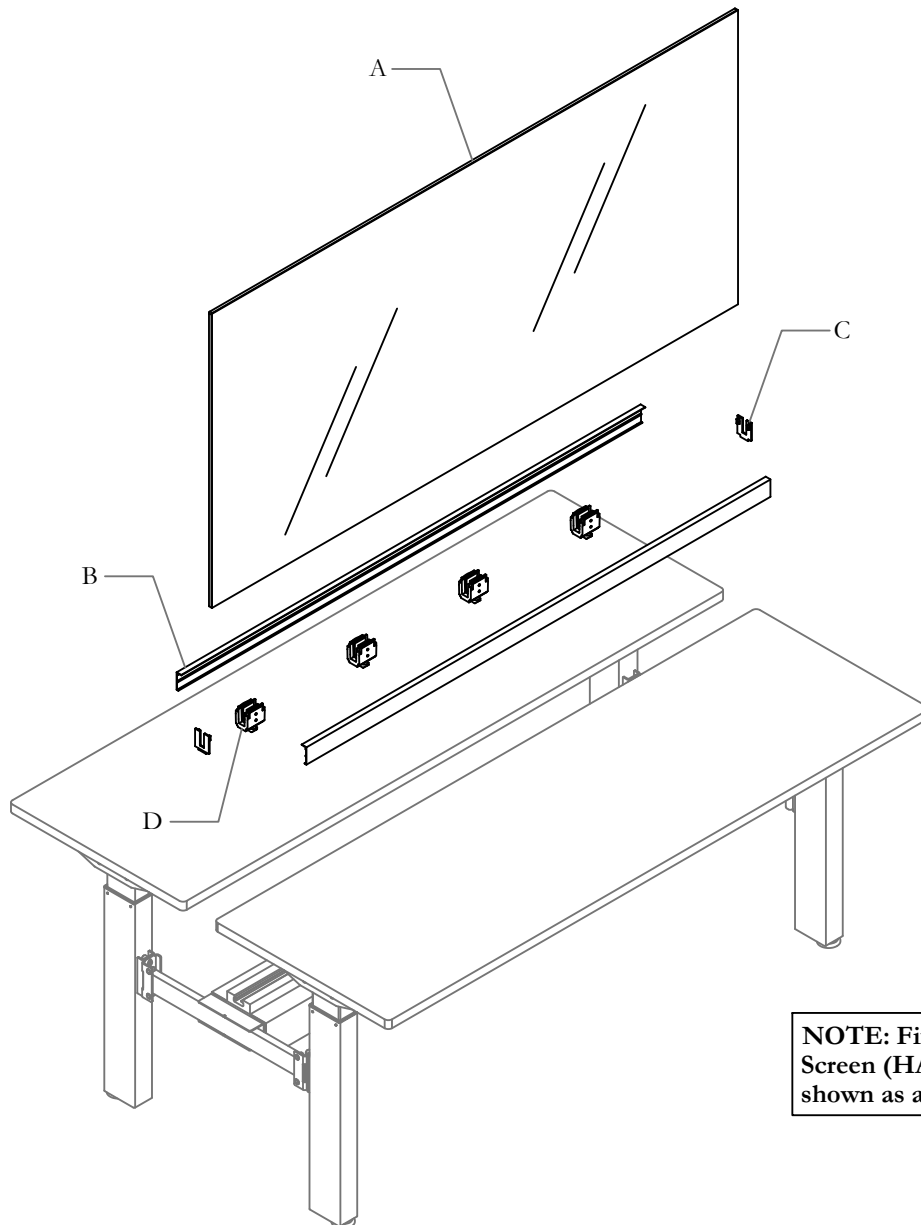
Section: **SCREENS AND GABLES**

Description: **FIXED CENTER SCREEN - 10 mm GLASS**

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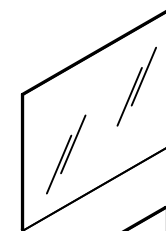
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Fixed Center Screen - Glass (HABCFG)



NOTE: Fixed Center Screen (HABCFG7251) shown as an example.

Part and Product Identification



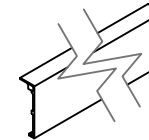
A1 - 10mm Clear Tempered Glass Full Style - Fixed Height Screen (H01-1860) x1
Or

A2 - 10mm Frost Etched Tempered Glass Full Style - Fixed Height Screen (H02-0467) x1

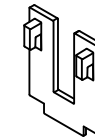


A3 - 10mm Clear Tempered Glass Inset Style - Fixed Height Screen (H01-1930) x1
Or

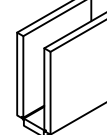
A4 - 10mm Frost Etched Tempered Glass Inset Style - Fixed Height Screen (H02-0474) x1



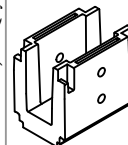
B - Bottom Cover Assembly, 10mm Glass Screen (N09-5089) x2



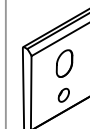
C - End Cap, Glass Fixed Height Screen (A25-0455) x2



D1 - Rubber Pad (B05-0073) x1



D2 - Clamp, Wood Casual Screen (A25-0395) x1



D3 - Spacer, Wood Casual Screen (A25-0396) x2

D4 - Spring (A09-0032) x2

D5 - 5/16-18x7/8" Flat Head Hex Socket Screw (82 Degree) (E01-0761) x1

D6 - Set Screw 1/4-20 X1/4 Hex Socket Black Flat Point (E01-0760) x3

D7 - Mounting Nut (A25-0386) x1

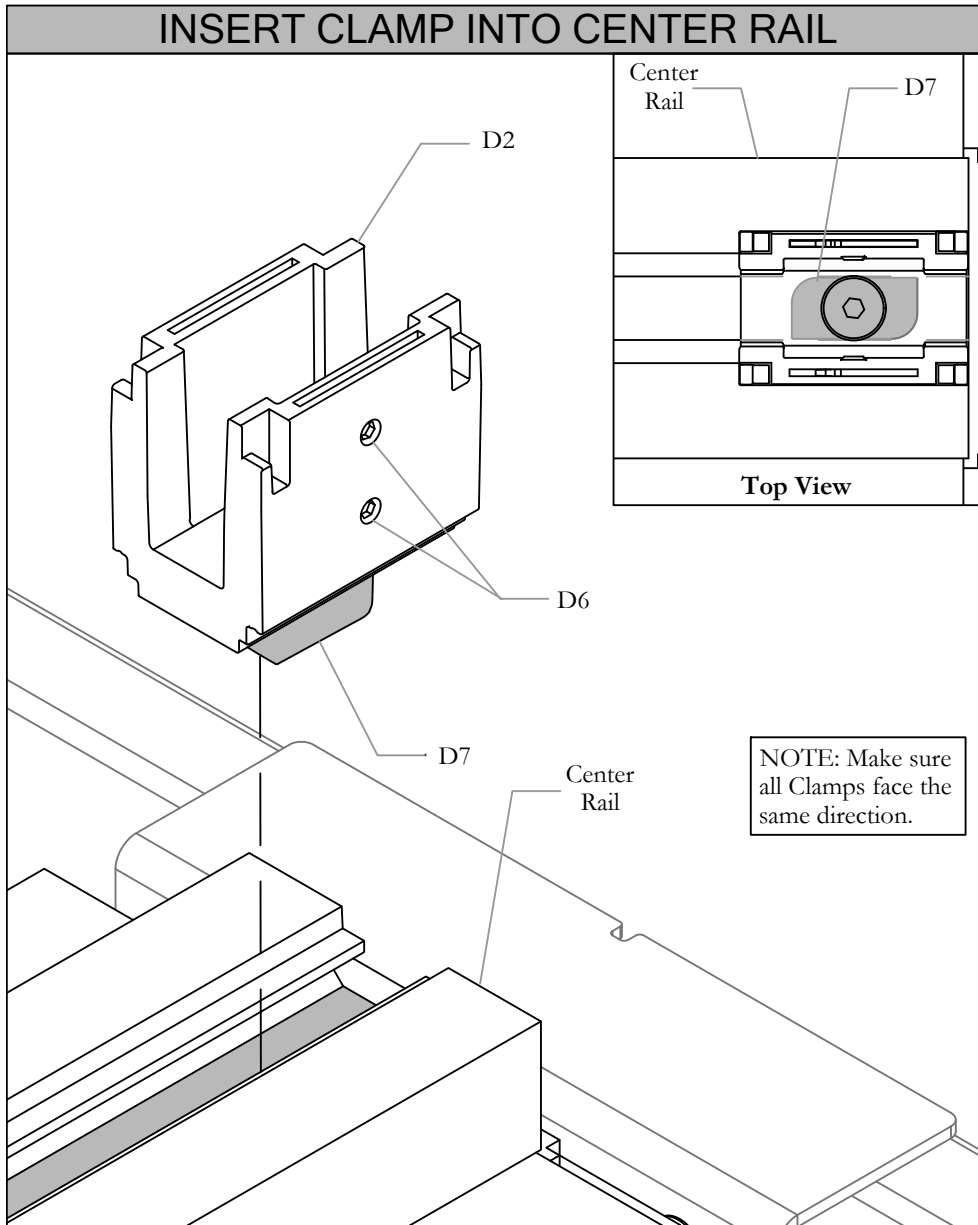
D - (N09-4751) xQty varies

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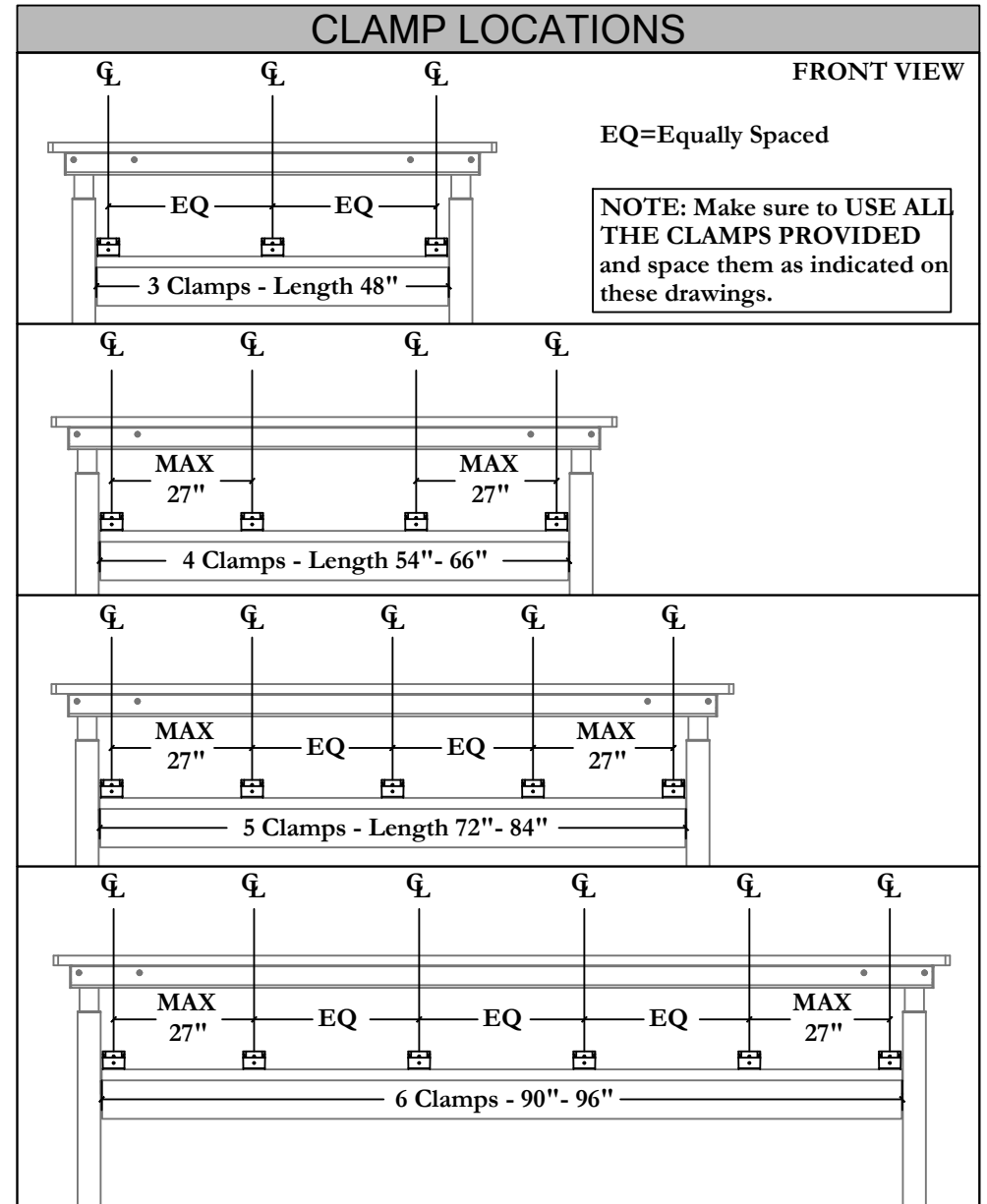
Section: **SCREENS AND GABLES**

Description: **FIXED CENTER SCREEN - 10 mm GLASS**



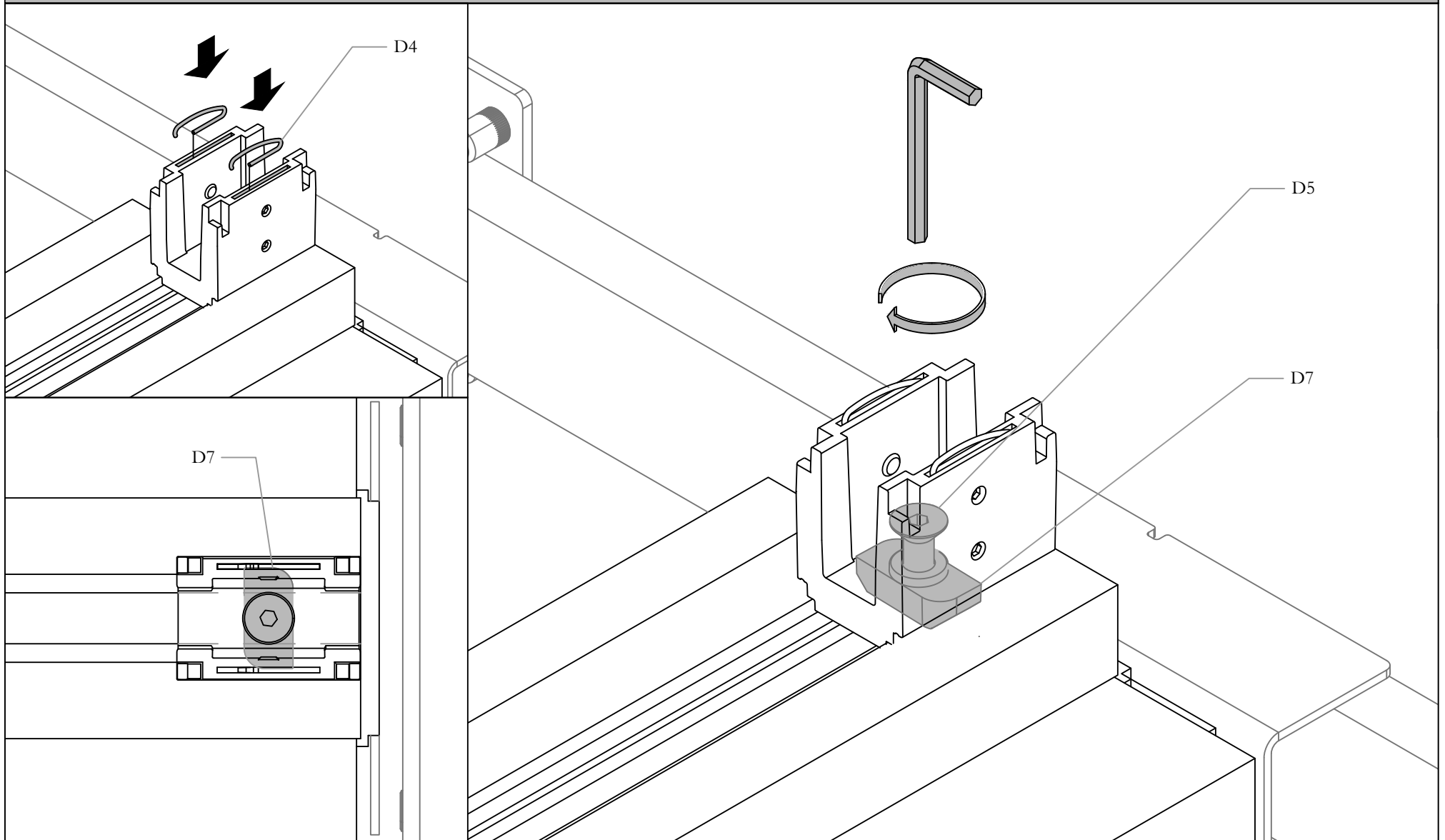
STEP 1: Place Wood Clamps into Center Rail.

NOTE: Make sure the two Screws face the same side on all clamps.



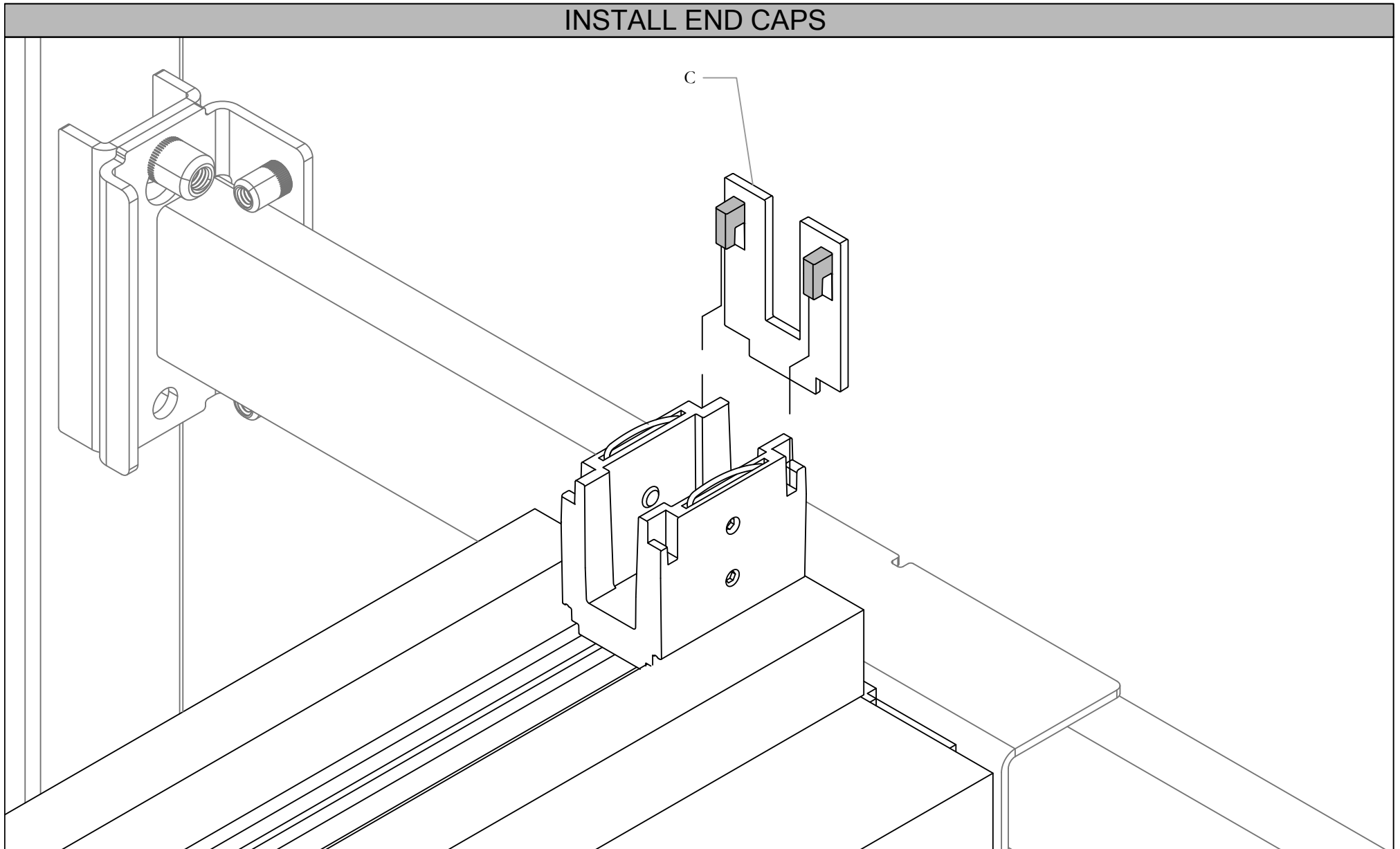
NOTE: The quantity of Clamps required varies with length. Please follow the illustration above for Clamps quantity & location.

LOCK CLAMPS



STEP 2: Insert Springs into the the Clamps slots. Use Allen Key to rotate Mounting Nuts and lock Clamps into Center Rail.

INSTALL END CAPS



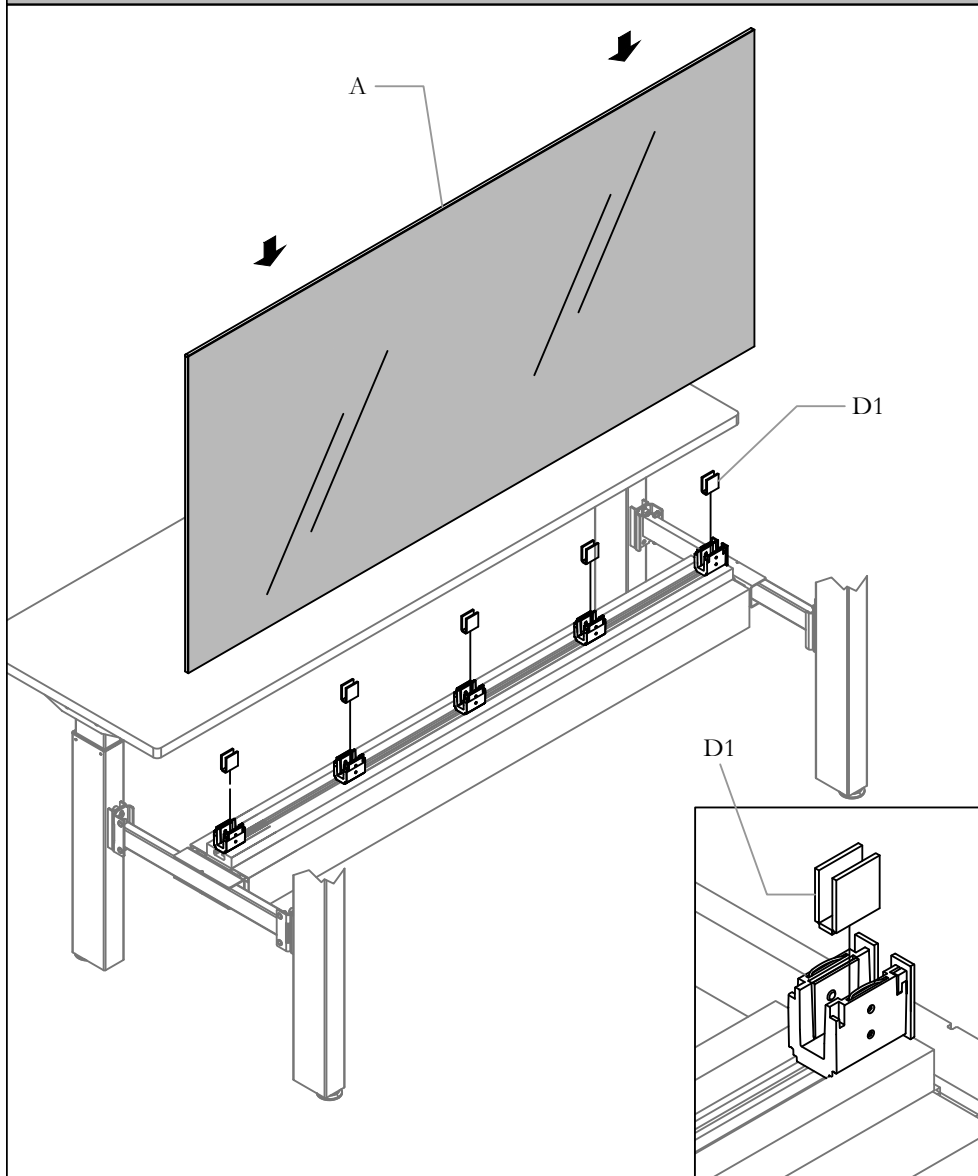
STEP 3: Insert both End Caps into Clamps.

Section: **SCREENS AND GABLES**

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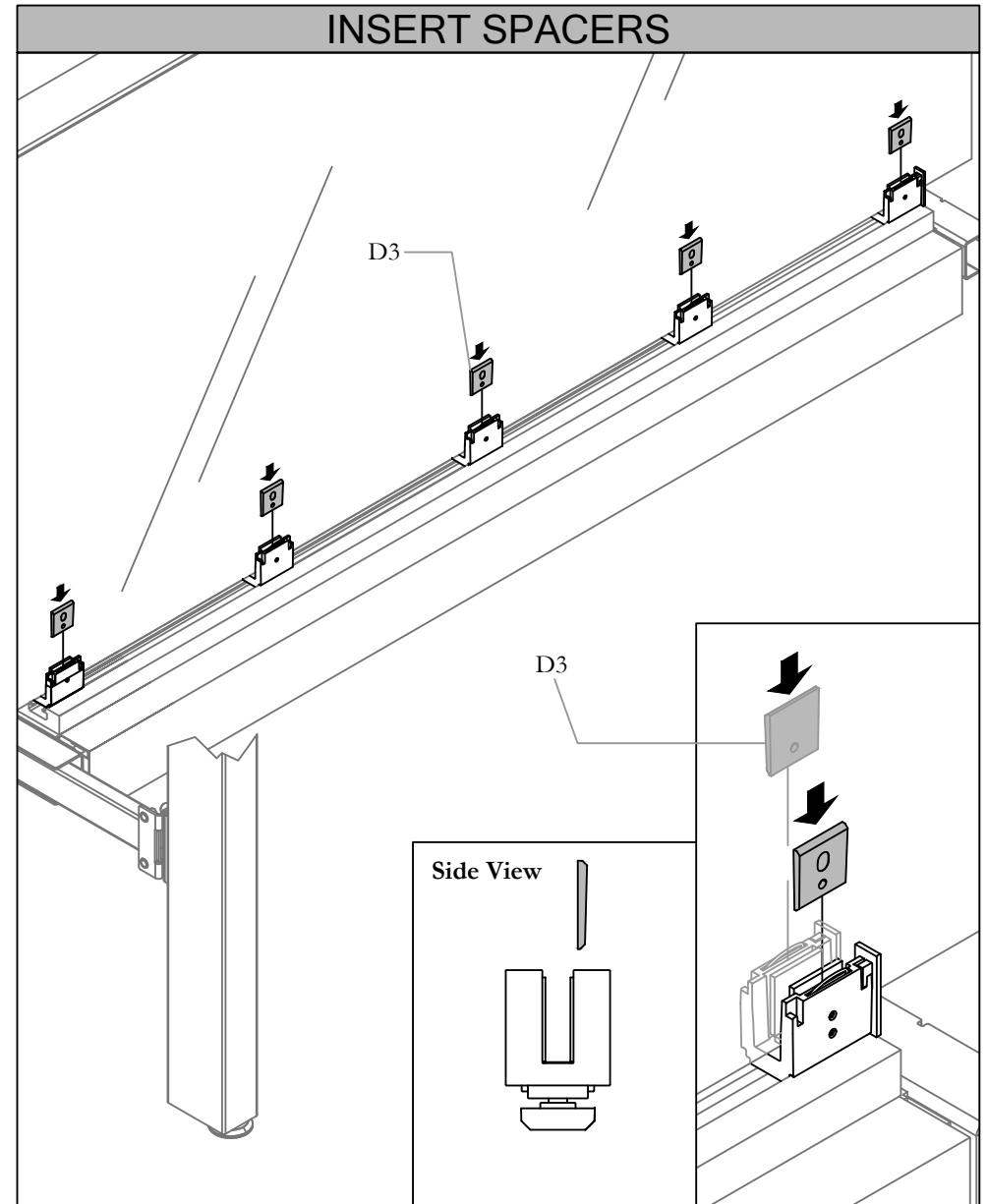
Description: **FIXED CENTER SCREEN - 10 mm GLASS**

INSERT RUBBER PADS AND GLASS SCREEN



STEP 4: Insert Rubber pads and Glass Screen into Clamps, as shown.

INSERT SPACERS



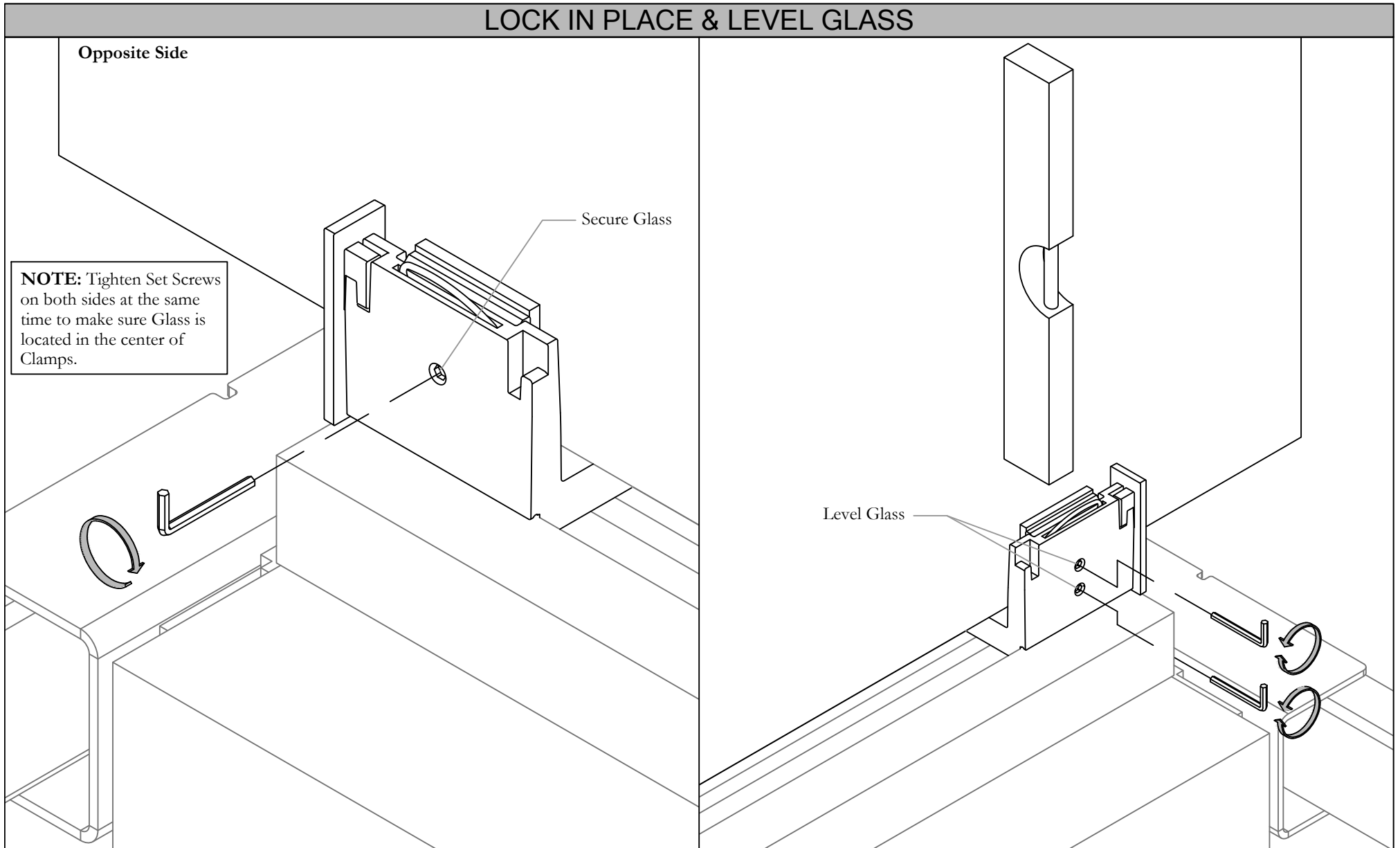
STEP 5: Insert spacers as shown, on one side first, in between Rubber Pads and Clamps. Insert remaining spacers on the other side.

Section: **SCREENS AND GABLES**

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HABL_201a

Description: **FIXED CENTER SCREEN - 10 mm GLASS**

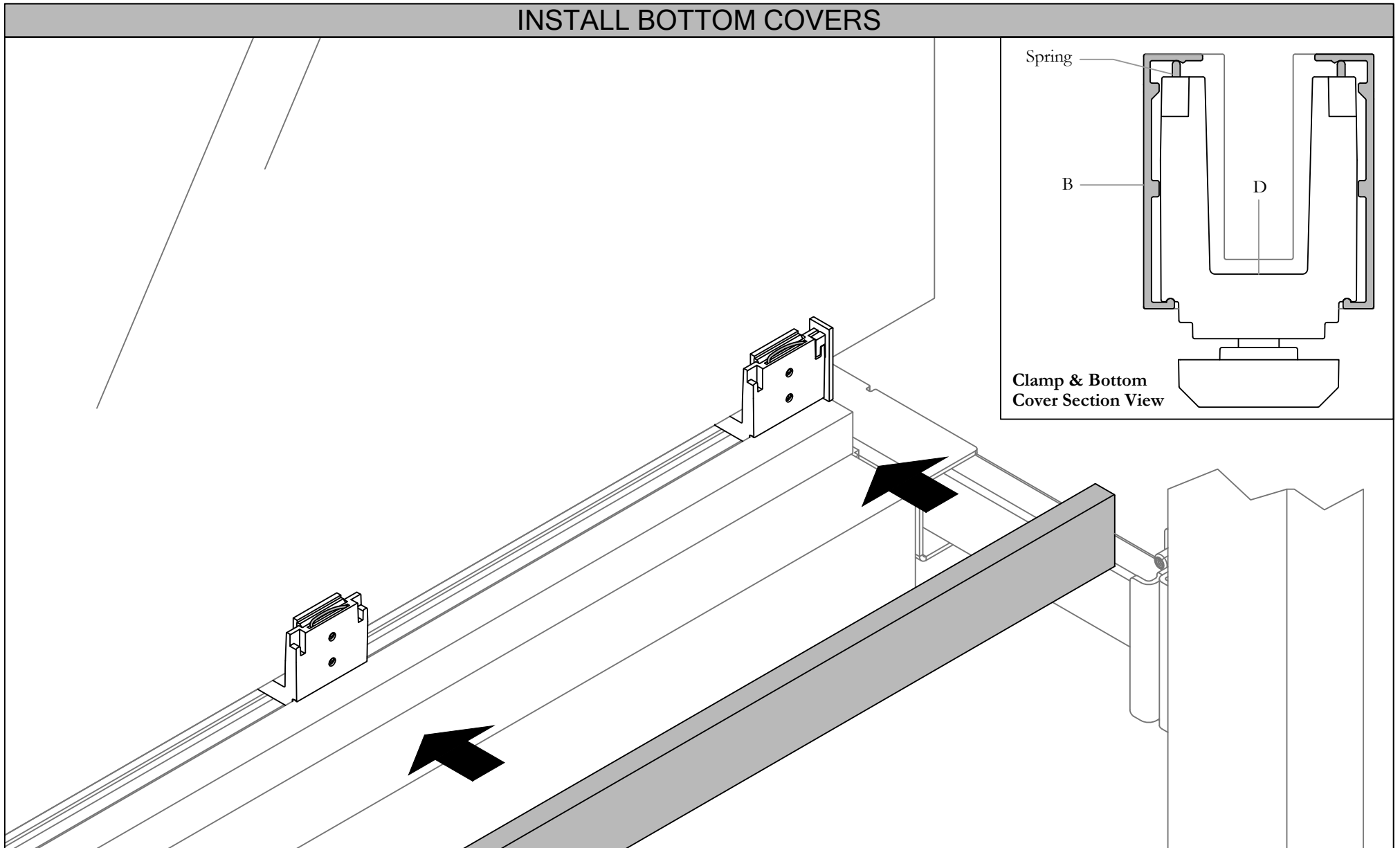
LOCK IN PLACE & LEVEL GLASS



STEP 6: Tighten Set Screws on both sides at the same time to make sure Glass is located in the center of the Clamps. Level Glass and adjust 2 Set Screw illustrated above on the right, if necessary. Then tighten single Set Screw side to secure Glass in place.

NOTE: Make sure Glass is located in the center of the Clamps.

INSTALL BOTTOM COVERS



STEP 7: Mount Bottom Covers on both sides of Clamps.

NOTE: Make sure Covers click on the springs.

height-adjustable bench *Installation Guides*

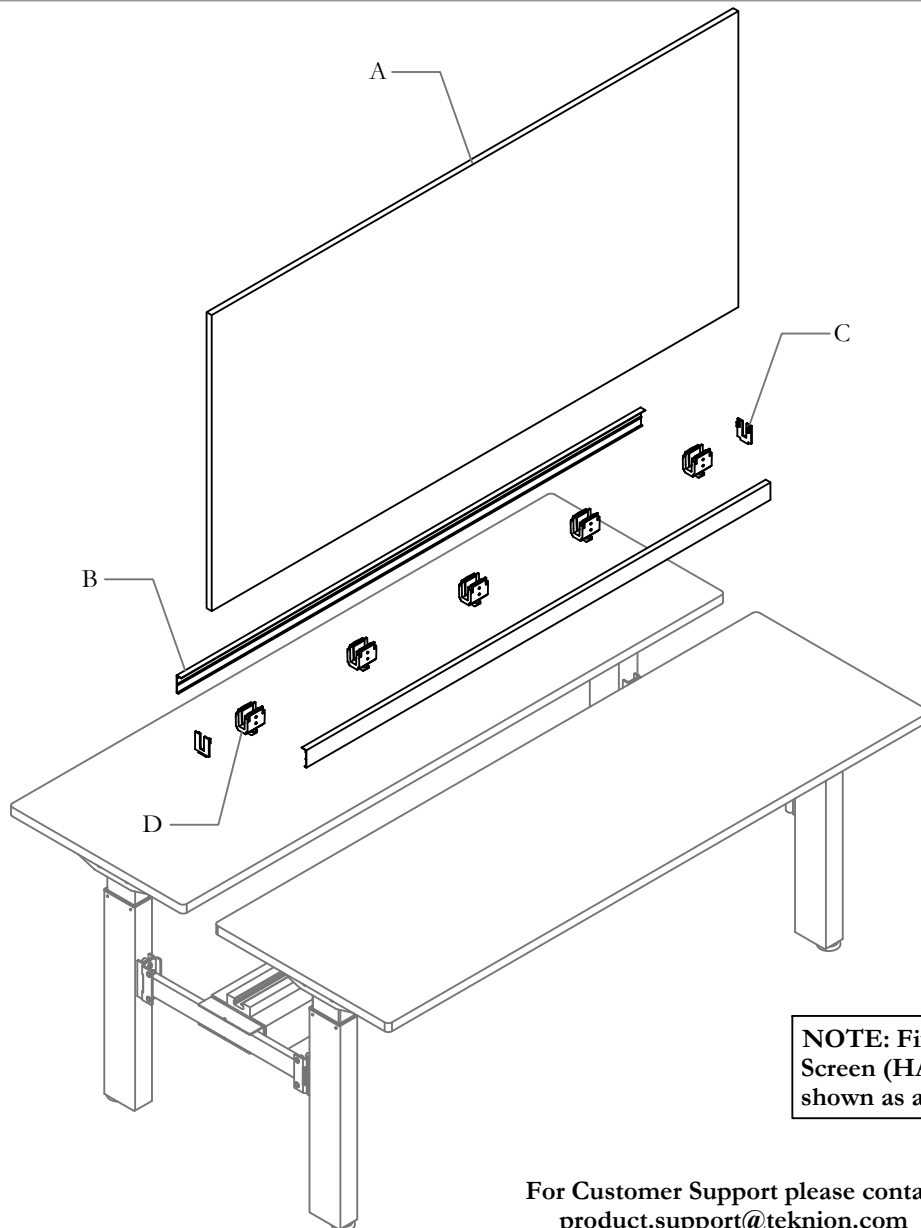
Section: **SCREENS AND GABLES**

Description: **FIXED CENTER SCREEN - SOLID**

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HABL_201b Rev. No: 1

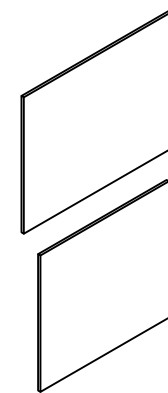
Fixed Center Screen (HABCFS)



NOTE: Fixed Center Screen (HABCFS7251) shown as an example.

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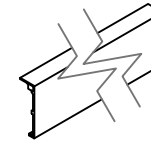
Part and Product Identification



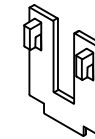
A1 - Wood Panel, Full Style - Fixed Height Screen (C05-8955-X) x1

Or

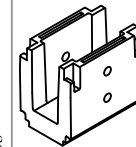
A2 - Wood Panel, Inset Style - Fixed Height Screen (C05-9044-X) x1



B - Bottom Cover Assembly, Wood Screen (N09-5090) x2

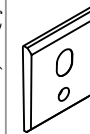


C - End Cap, Wood Fixed Height Screen (A25-0456) x2



D1 - Clamp, Wood Casual Screen (A25-0395) x1

D4 - 5/16-18x7/8" Flat Head Hex Socket Screw (82 Degree) (E01-0761) x1



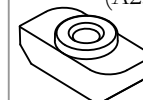
D2 - Spacer, Wood Casual Screen (A25-0396) x2

D5 - Set Screw 1/4-20 X1/4 Hex Socket Black Flat Point (E01-0760) x1



D3 - Spring (A09-0032) x2

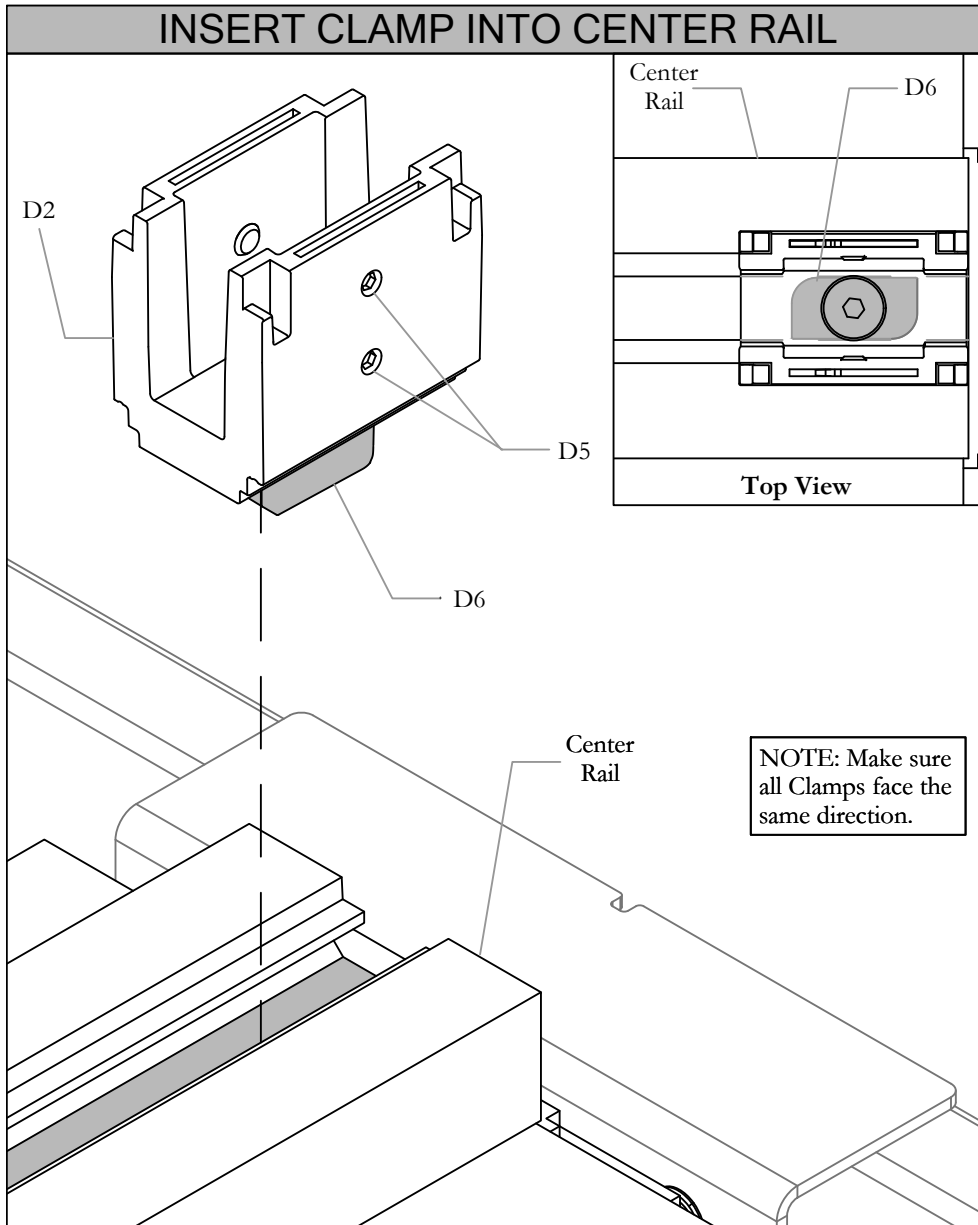
D6 - Mounting Nut (A25-0386) x1



D - (N09-3980) xQty varies

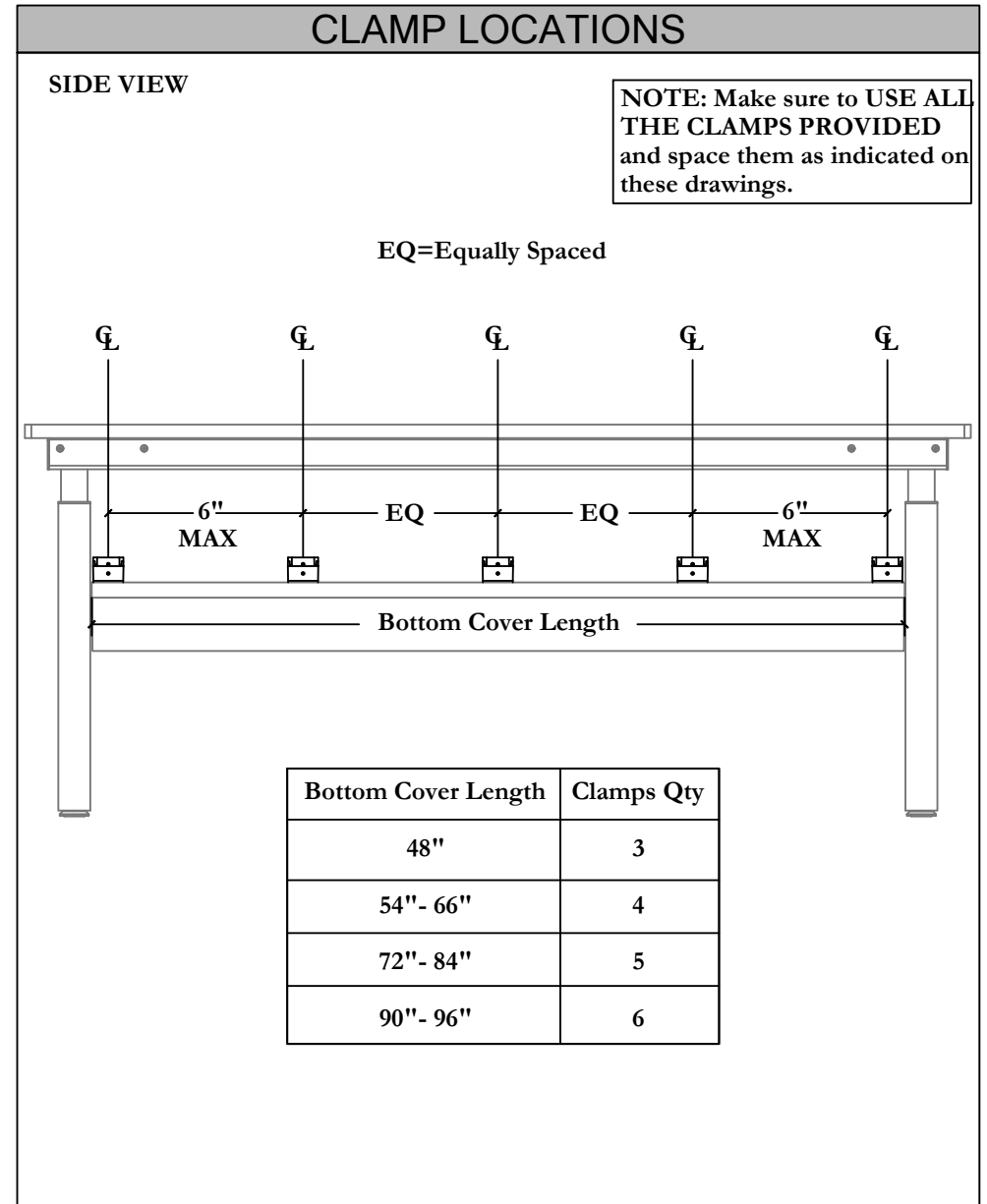
height-adjustable bench *Installation Guides*

Section: **SCREENS AND GABLES**
 Description: **FIXED CENTER SCREEN - SOLID**



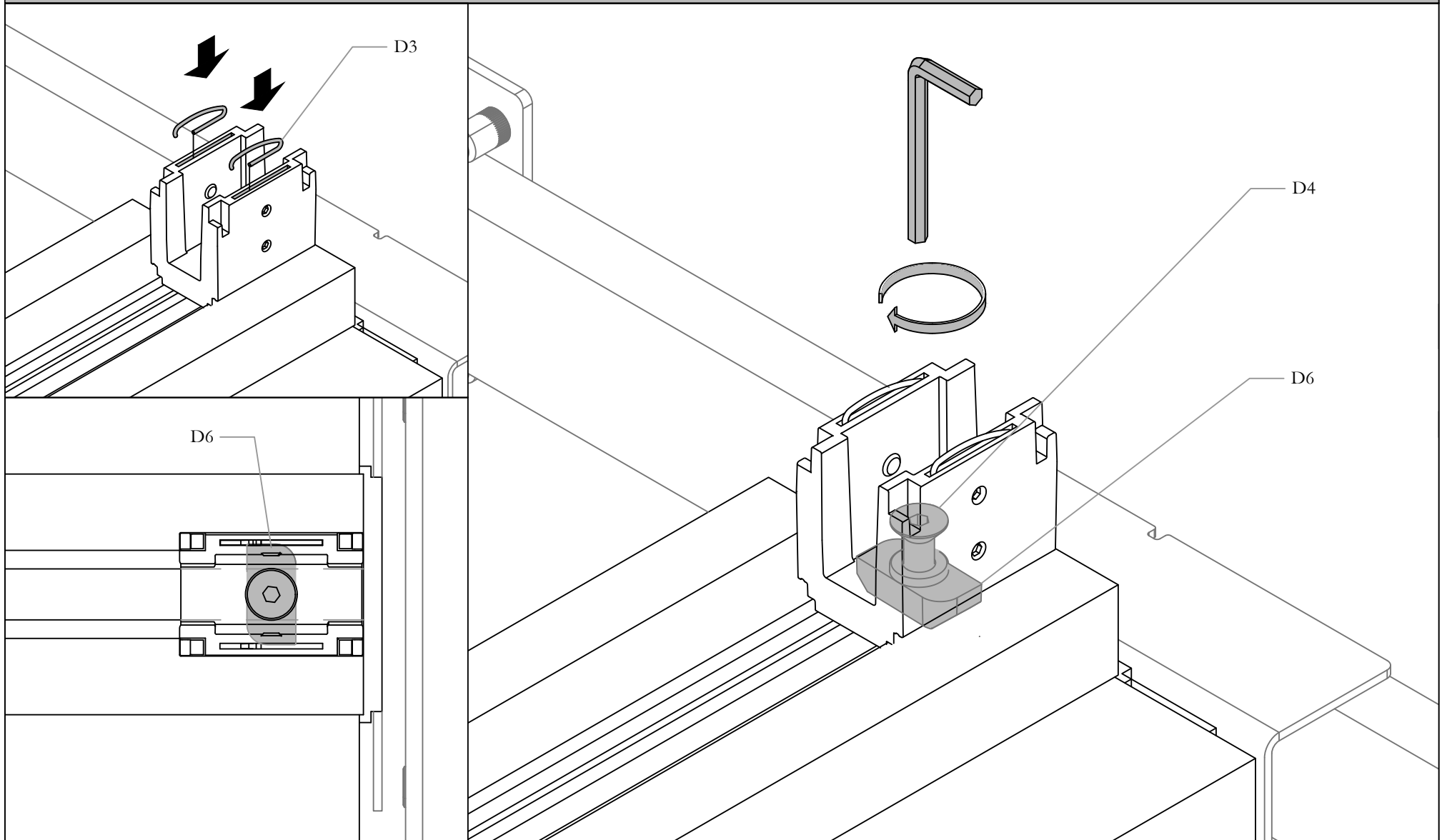
STEP 1: Place Wood Clamps into Center Rail.

NOTE: Make sure the two holes for Screws face the same side on all clamps.



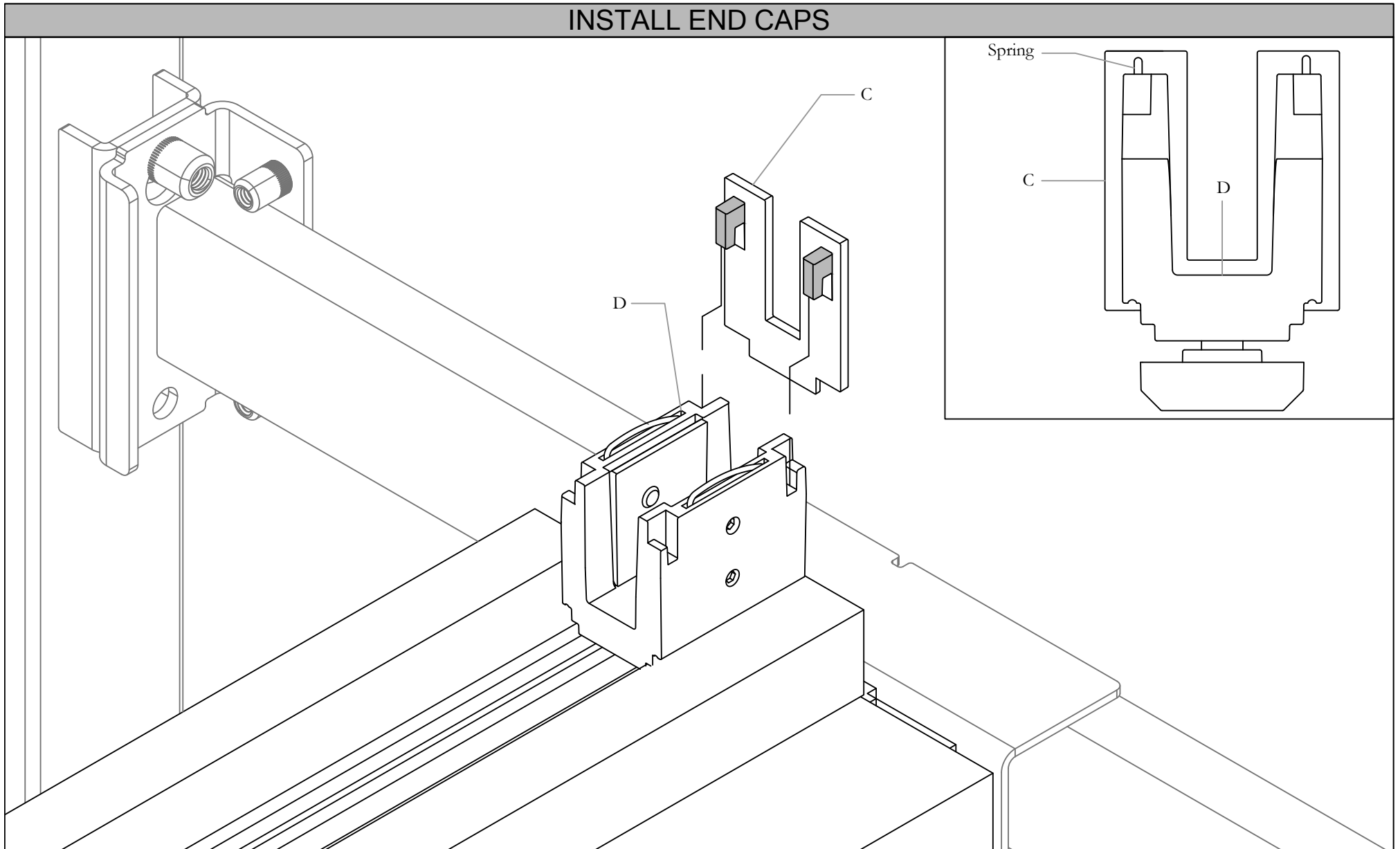
NOTE: Make sure the maximum distance between the first two Clamps is 6" center to center. Equally space the rest of the Clamps along the Center Rail.

LOCK CLAMPS



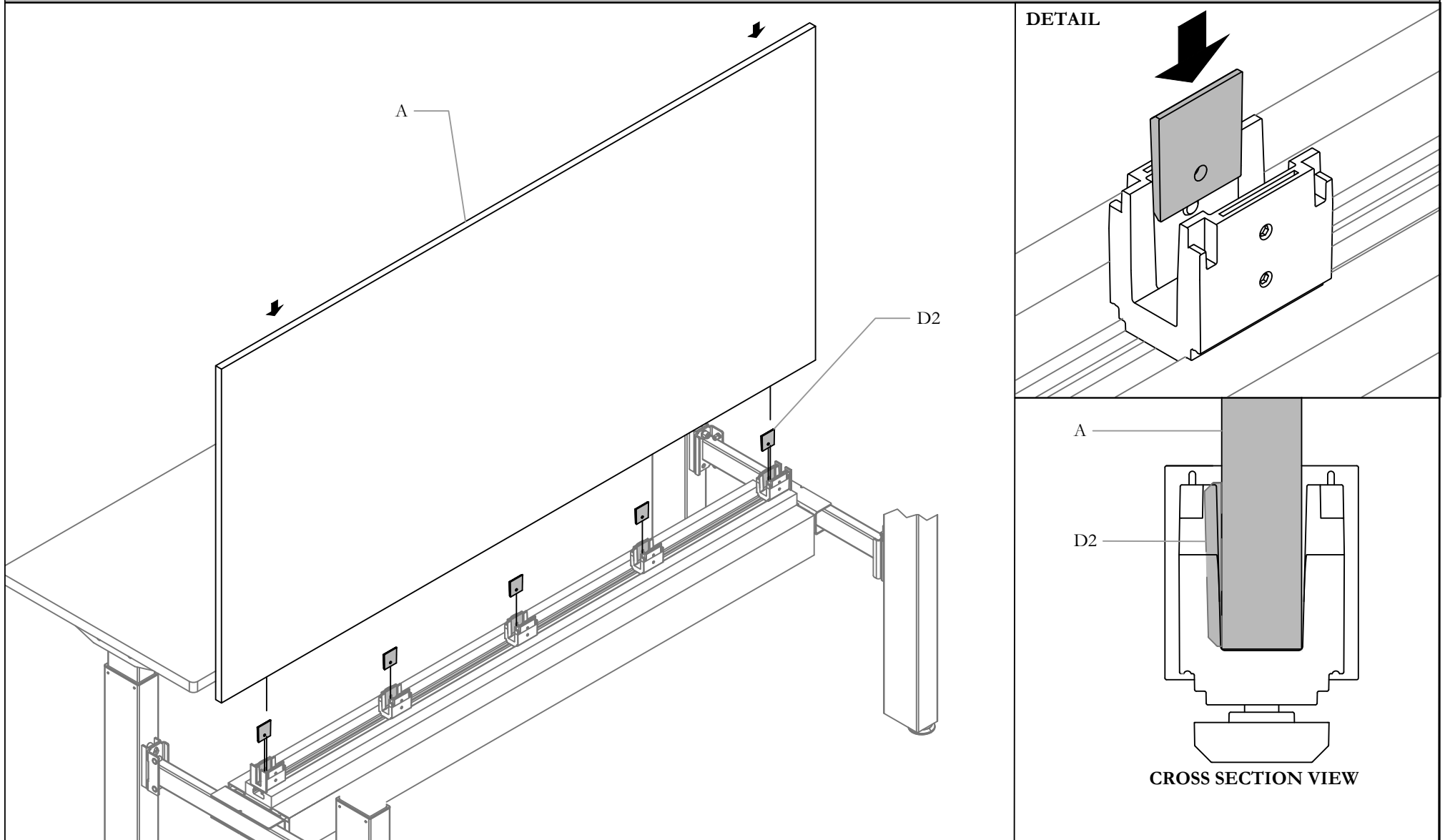
STEP 2: Insert Springs into the the Clamps slots. Use Allen Key to rotate Mounting Nuts and lock Clamps into Center Rail.

INSTALL END CAPS



STEP 3: Insert both End Caps into Clamps.

INSERT SPACERS INTO ONE SIDE AND SOLID SCREEN INTO CLAMPS



STEP 4: Insert Spacers into Clamps on the side with one hole for set of screws. Insert Screen panel into Clamps.

NOTE: Make sure to insert spacers into one side of clamps only.

height-adjustable bench *Installation Guides*

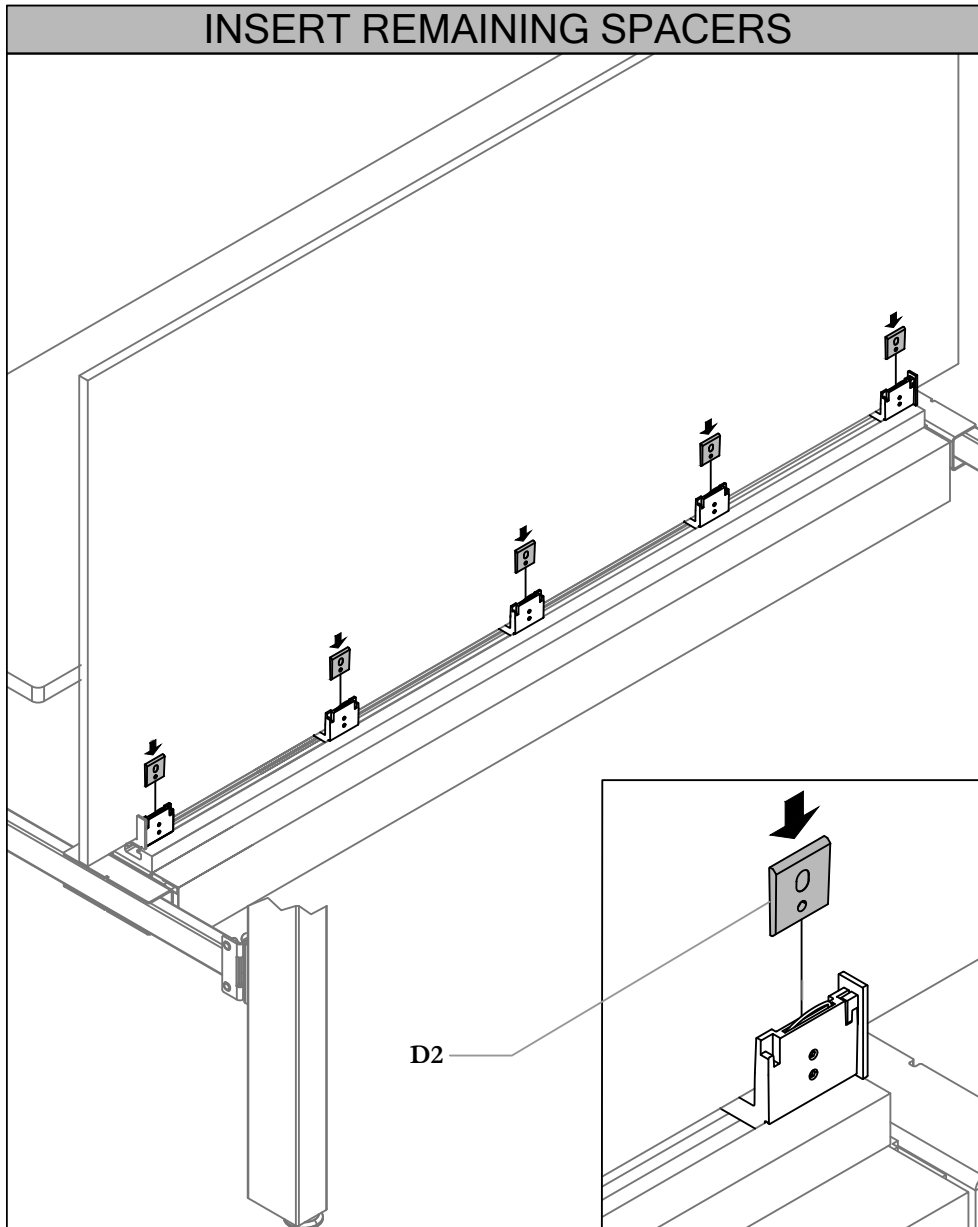
Section: **SCREENS AND GABLES**

Description: **FIXED CENTER SCREEN - SOLID**

tekunion

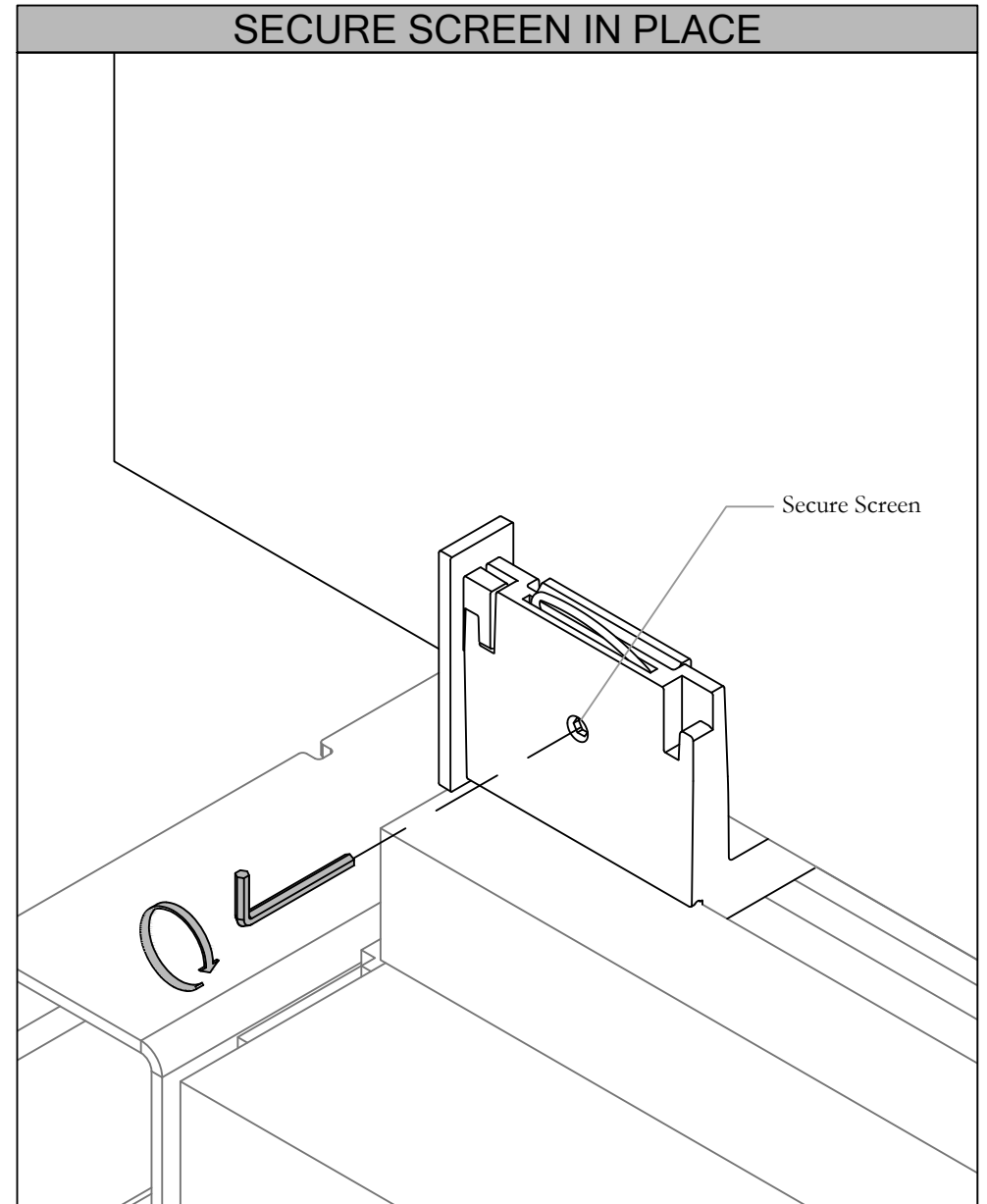
Date: May 2017 Page No: 6 of 7
HABL_201b

INSERT REMAINING SPACERS



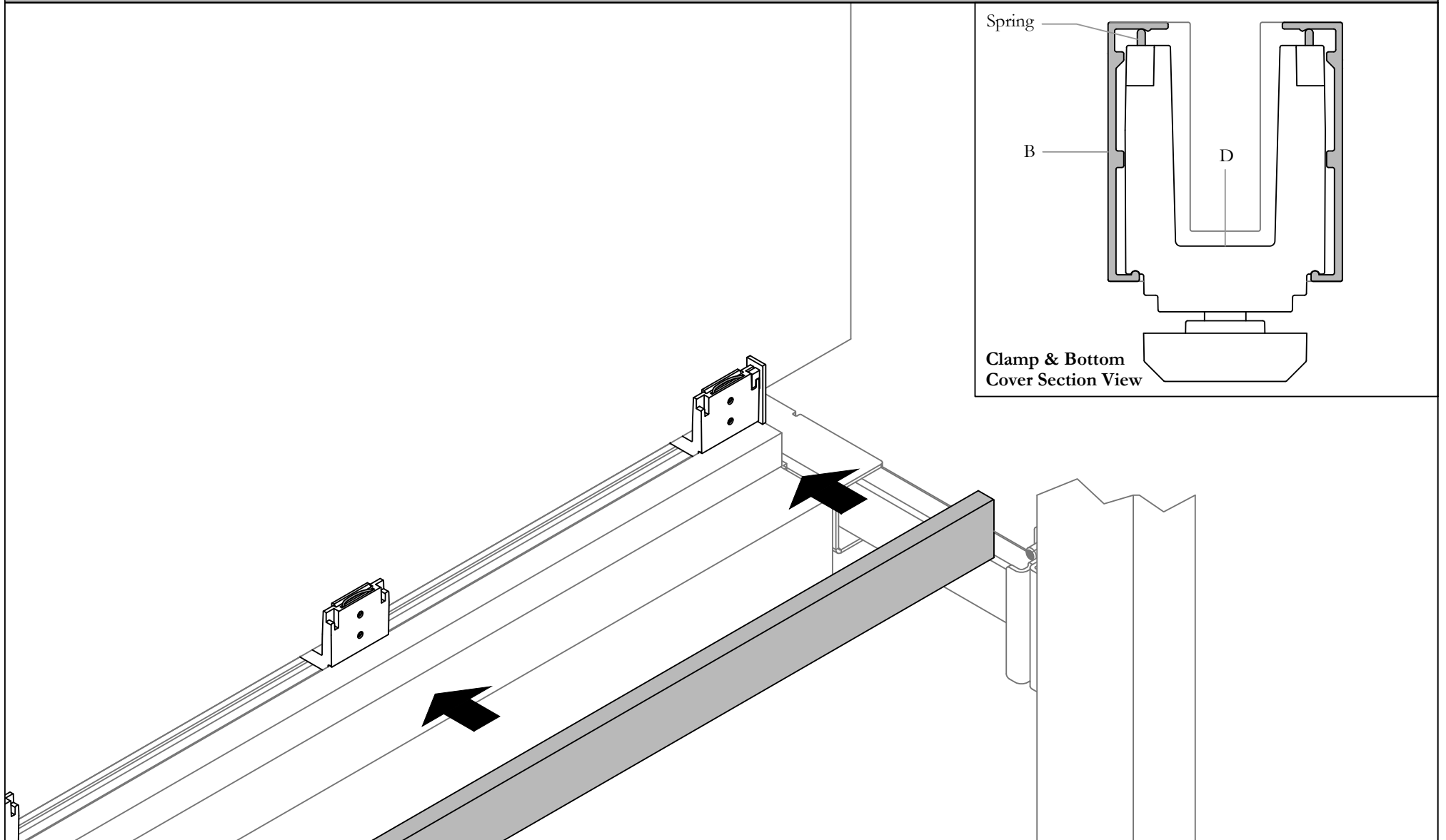
STEP 5: Insert remaining spacers into the clamp side with two holes for set of screws.

SECURE SCREEN IN PLACE



STEP 6: Tighten Set Screws to secure Solid Screen in place.

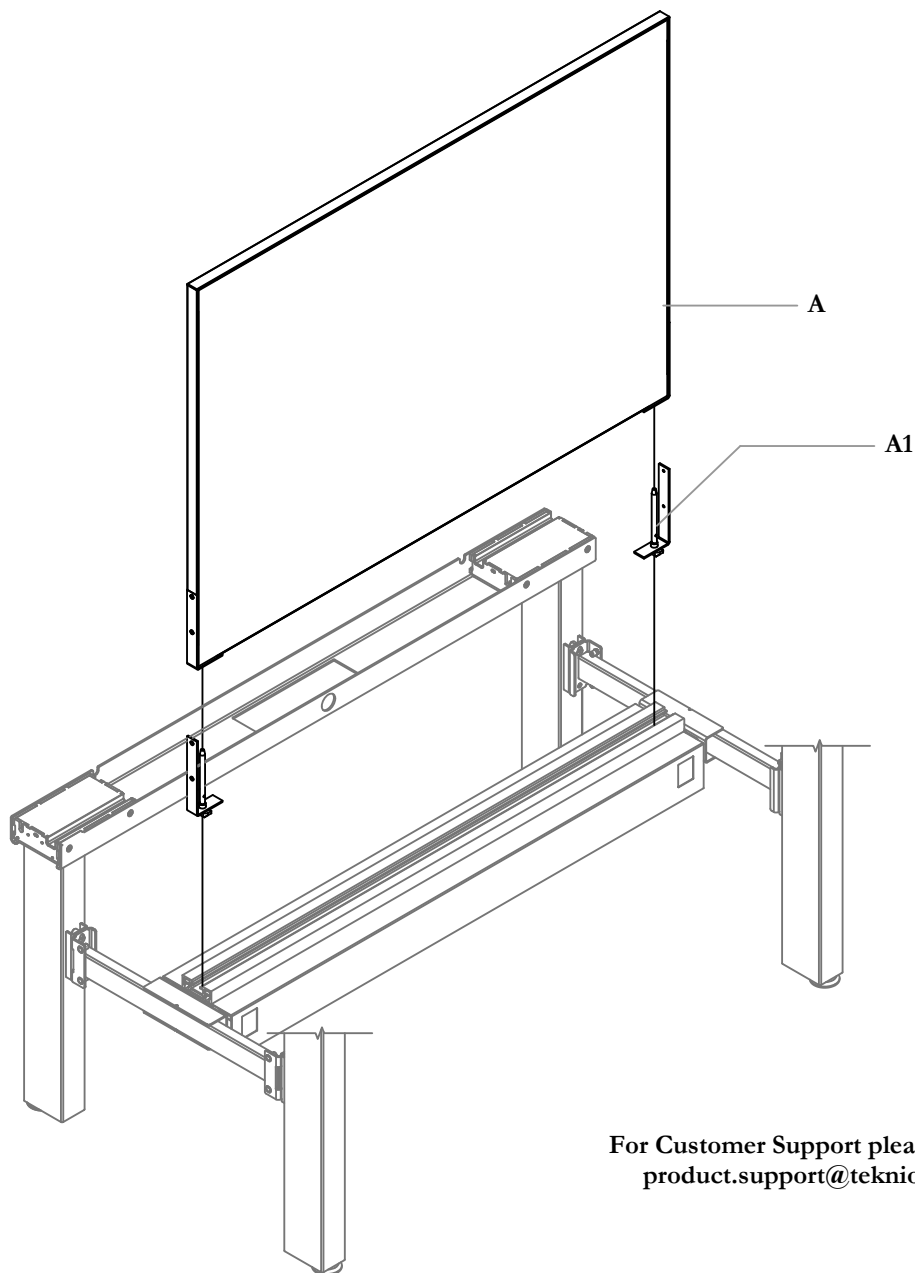
INSTALL BOTTOM COVERS



STEP 7: Mount Bottom Covers on both sides of Clamps.

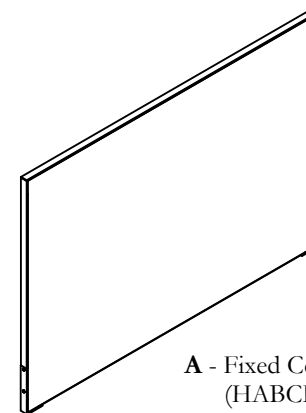
NOTE: Make sure Covers click on the springs.

Fixed Center Screen - Fabric (HABCFF)

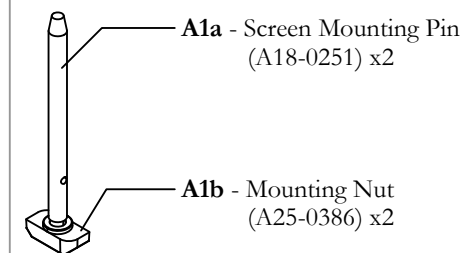


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Part and Product Identification



A - Fixed Center Screen - Fabric - HAB
(HABCFF) x1



A1a - Screen Mounting Pin
(A18-0251) x2

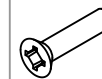
A1b - Mounting Nut
(A25-0386) x2



A1c - Support Bracket - Fabric Screen
(A16-3499) x2



A1d - Bushing - Fabric Screen
(B02-0469) x2



A1e - #8x0.75" Quadrex Flat Head Screw
(E01-0947) x4

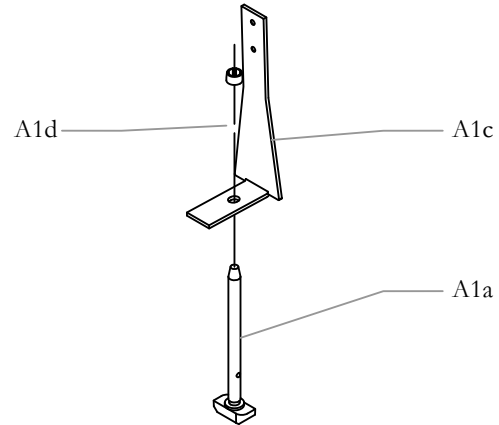
A1 - Tall Desk Top Screen Mounting Clip (X03-0237) x1

Section: **SCREENS AND GABLES**

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HABL_201c

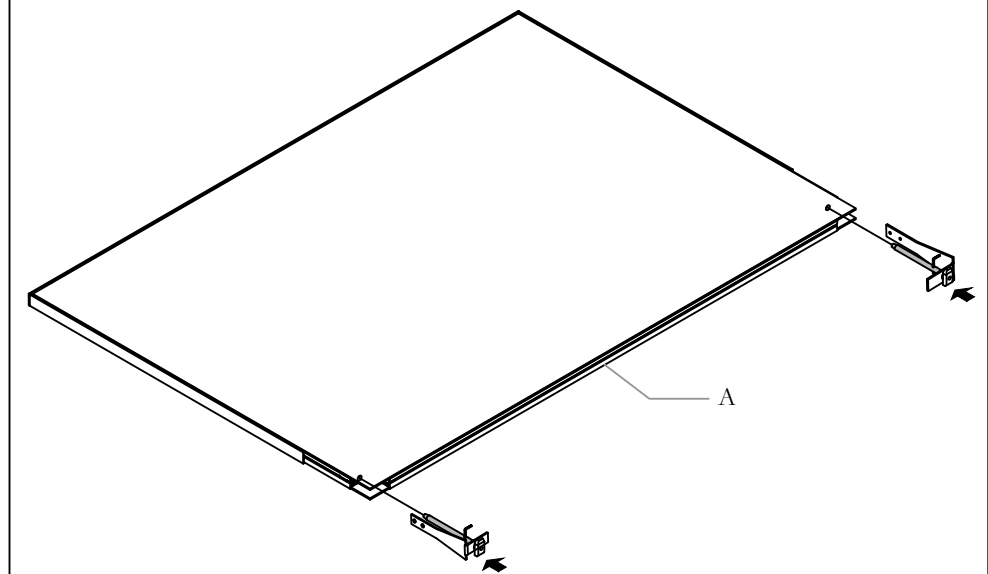
Description: **FIXED CENTER SCREEN - FABRIC**

SUPPORT BRACKET ASSEMBLY

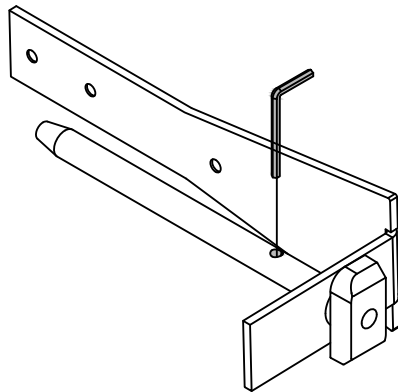


STEP 1: Attach Mounting Pin, Support Bracket and Bushing as shown.

ATTACH SUPPORT BRACKETS

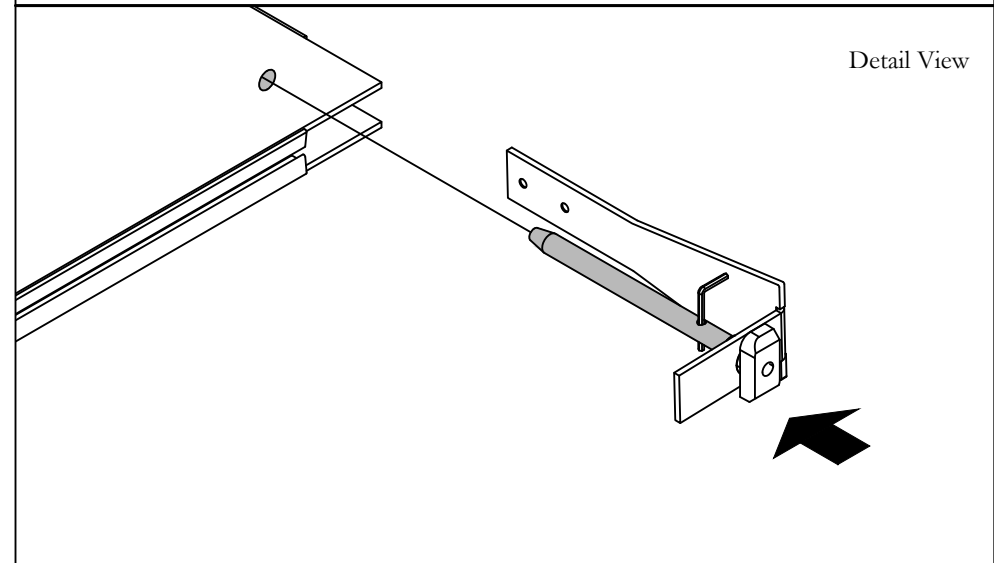


INSERT ALLEN KEY



STEP 2: Insert Allen Key through the hole on Mounting Pin.

Detail View



STEP 3: Insert Mounting Pin into the holes inside the Fabric Screen.

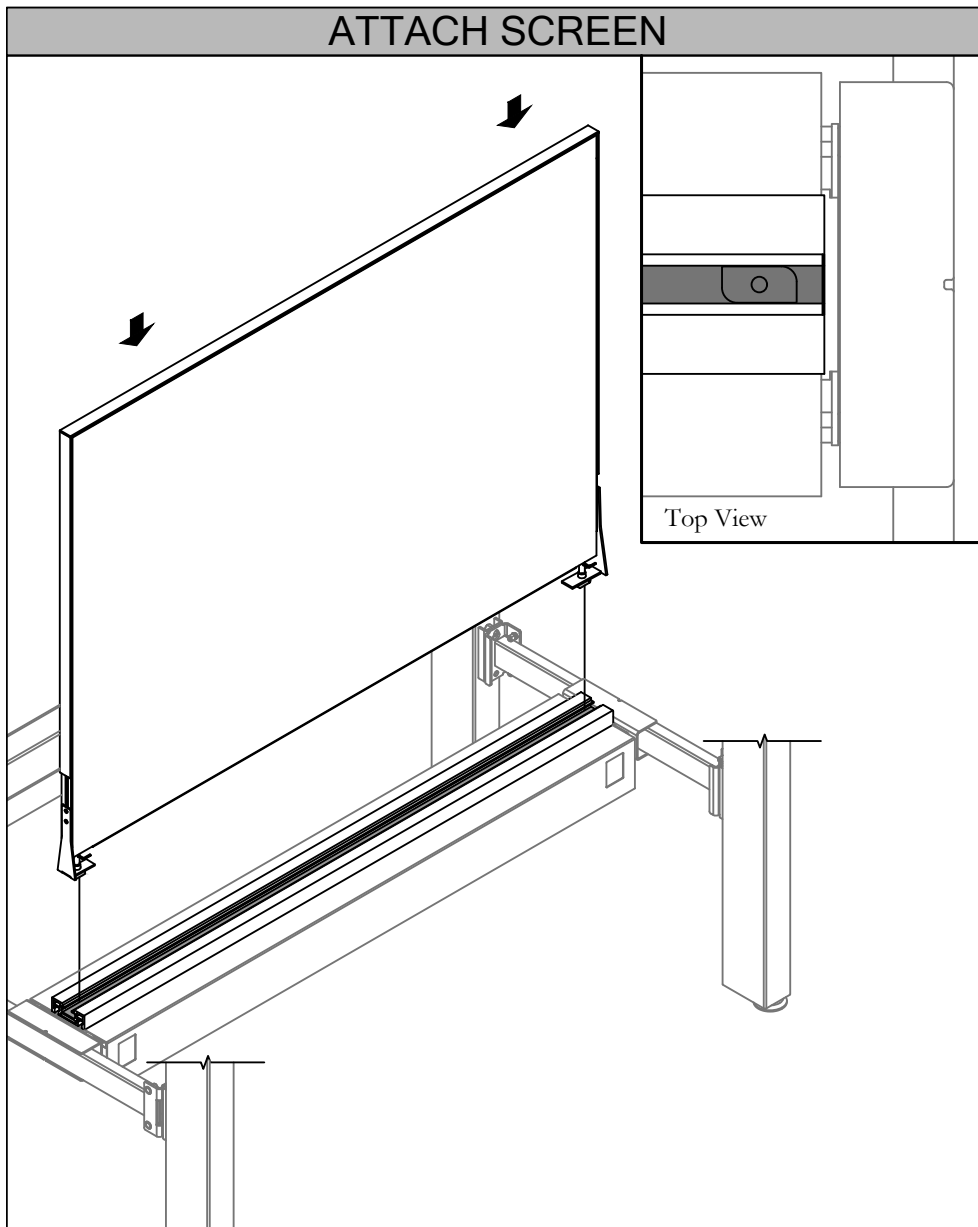
height-adjustable bench *Installation Guides*

Section: **SCREENS AND GABLES**

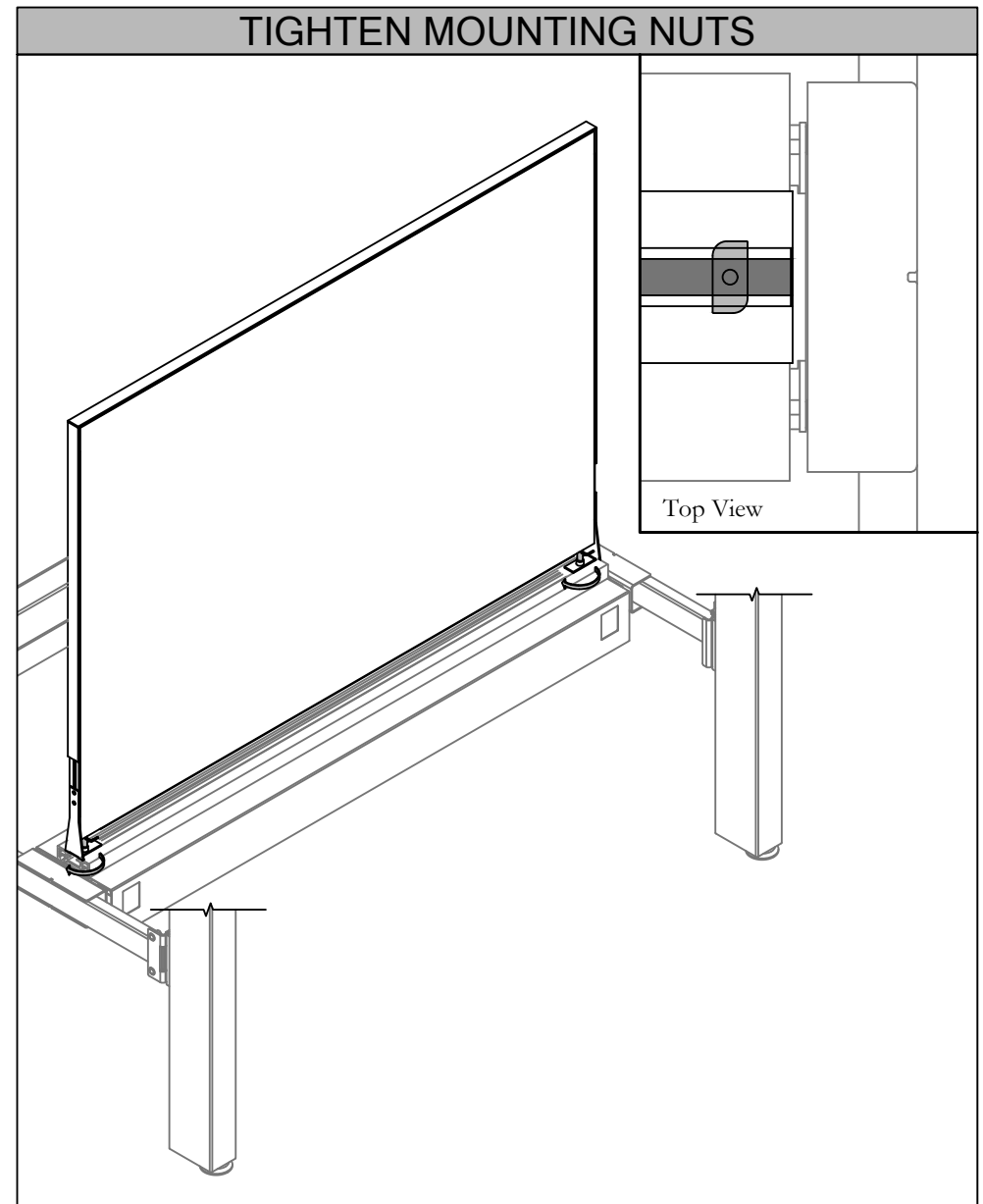
Description: **FIXED CENTER SCREEN - FABRIC**

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HABL_201c



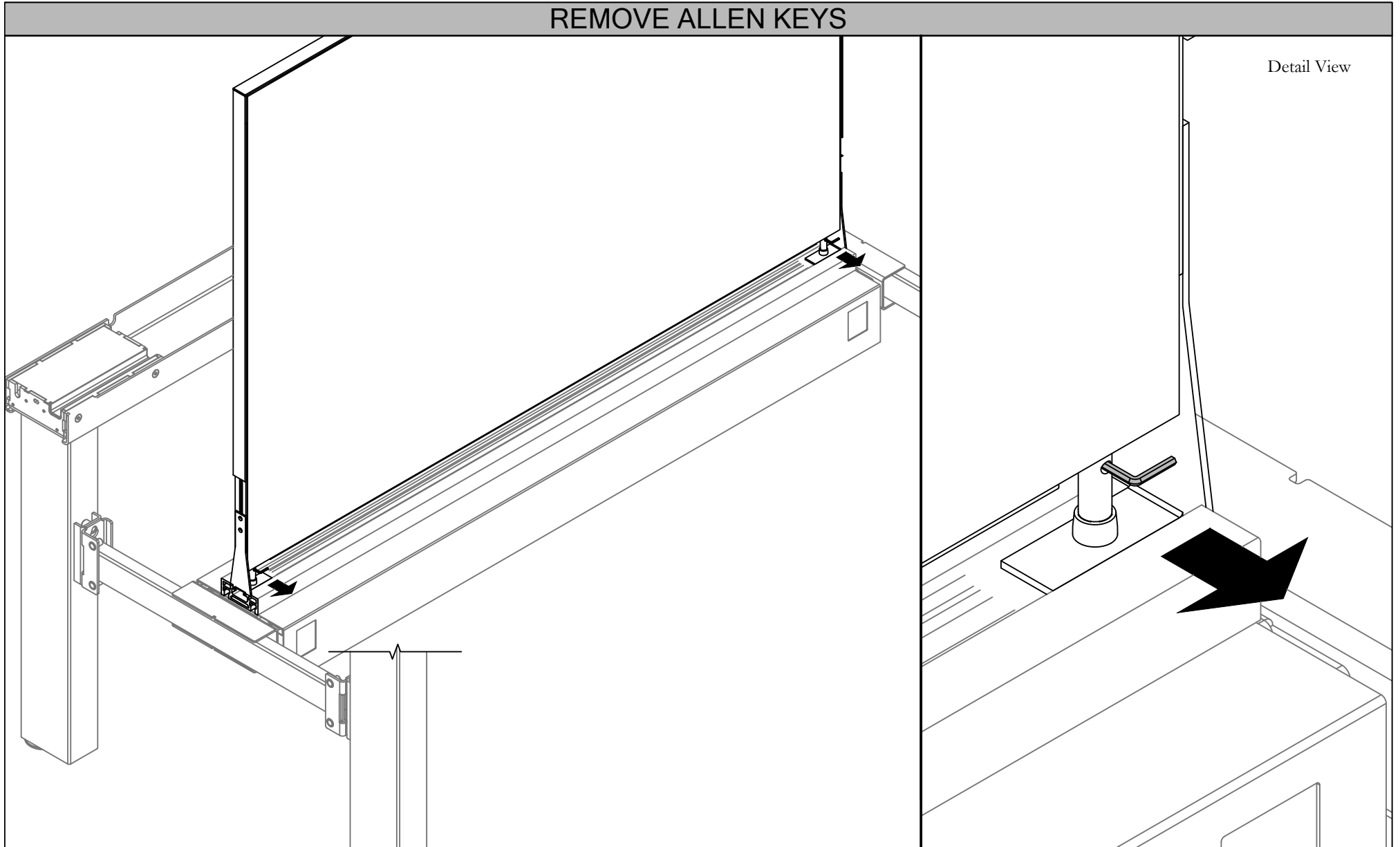
STEP 4: Rotate Mounting Nuts parallel with the Center Rail Channel, then attach Fabric Screen into the Center Rail Channel.



STEP 5: Rotate Allen Key to tighten Mounting Nuts and make sure it positioned as shown in Detail View.

REMOVE ALLEN KEYS

Detail View

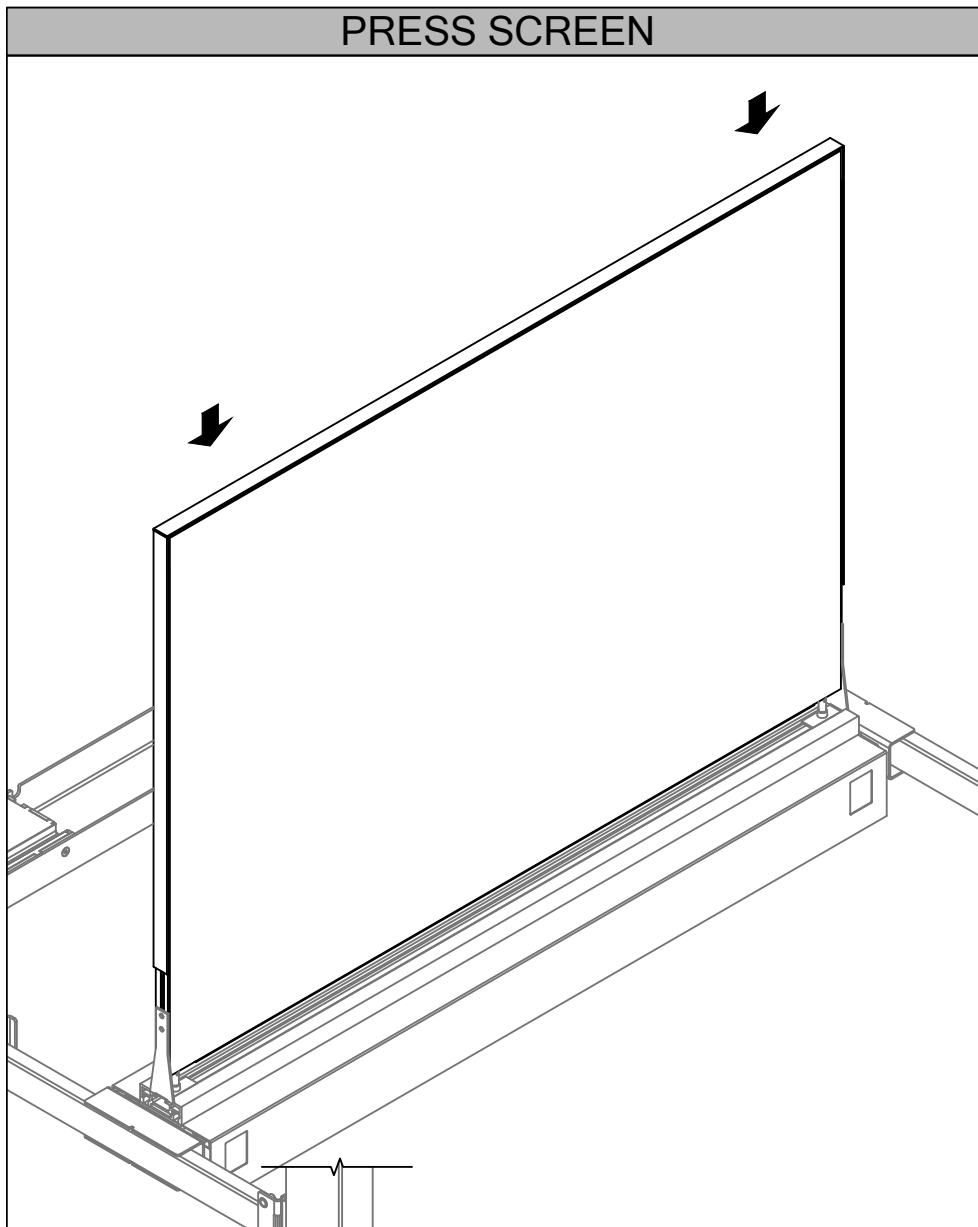


STEP 6: Remove Allen Keys.

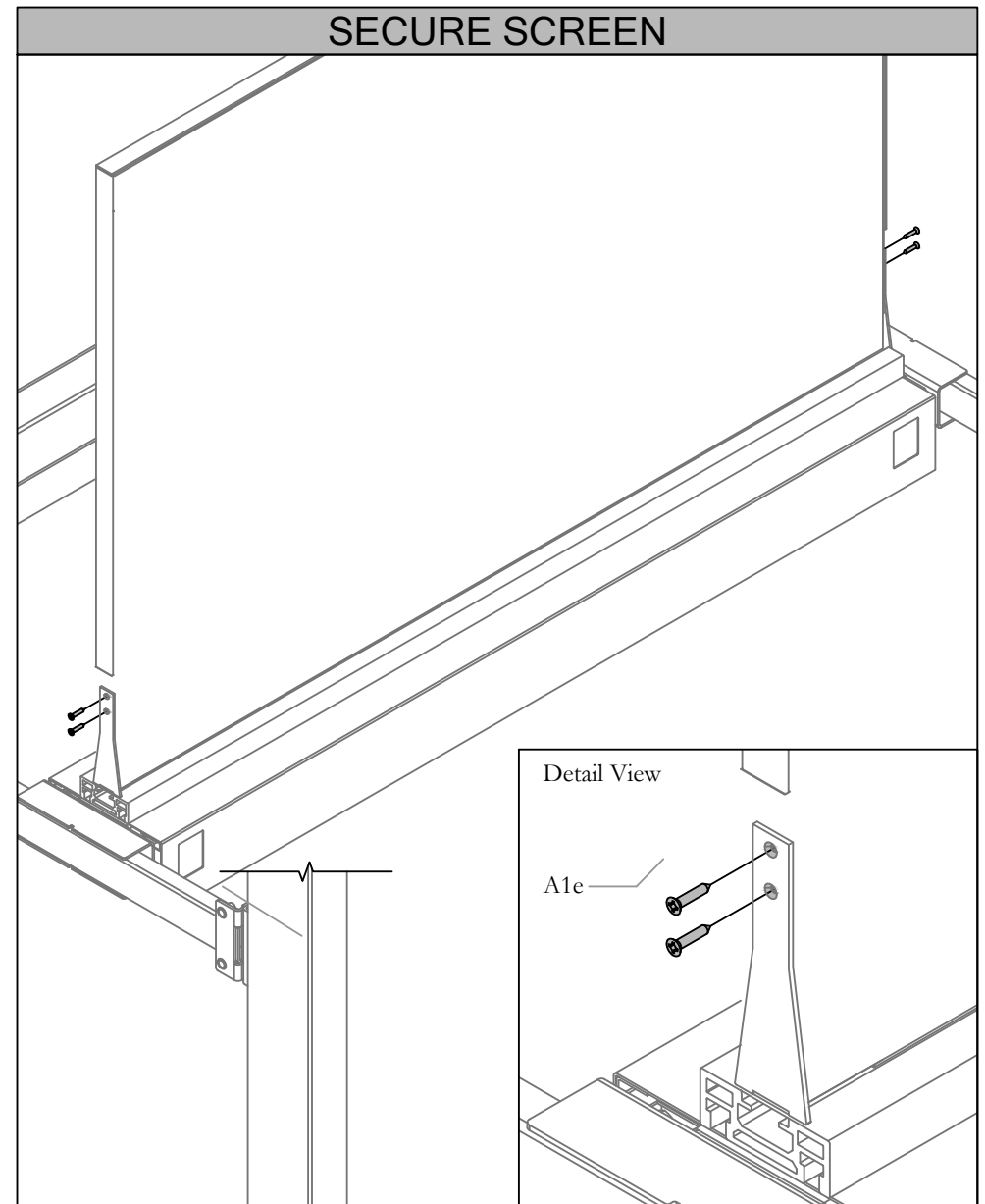
Section: **SCREENS AND GABLES**

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HABL_201c

Description: **FIXED CENTER SCREEN - FABRIC**



STEP 7: Press Fabric Screen down and make sure Screen Frame secured with Bushing.



STEP 8: Fasten Support Brackets with Fabric Screen with Screws provided.

height-adjustable bench *Installation Guides*

Section: **SCREENS AND GABLES**

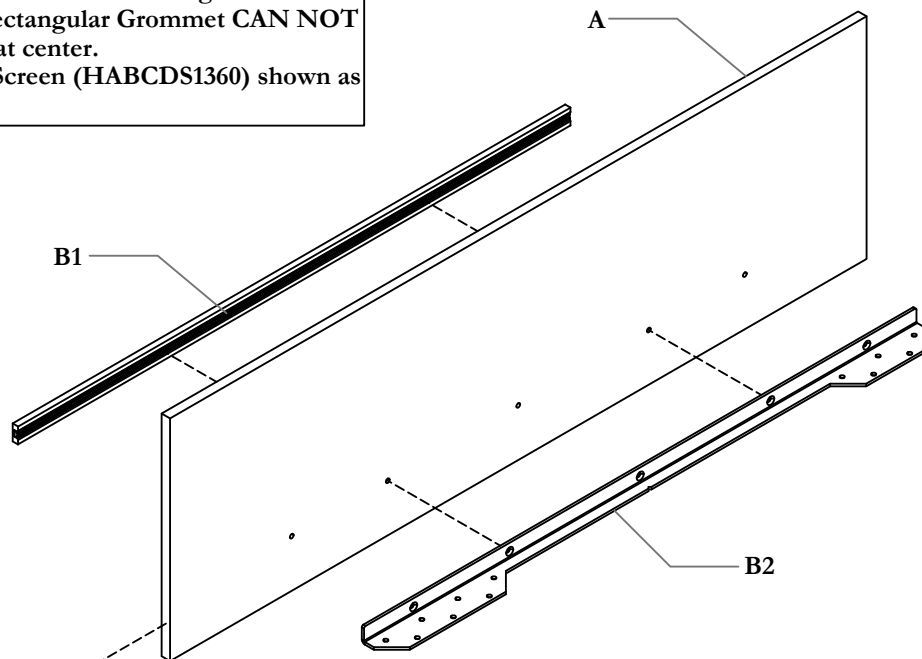
Description: **DESK EDGE SCREEN - SOLID**

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HABL_202a Rev. No: 3

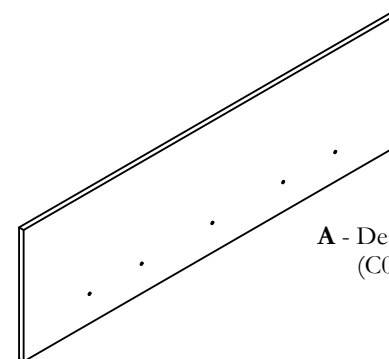
Desk Edge Screen - Solid (HABCDS)

NOTE: If 48" & 54" Desk Edge Screen is specified, Rectangular Grommet **CAN NOT** be installed at center.
Desk Edge Screen (HABCDS1360) shown as an example.

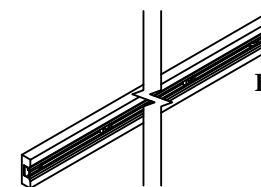


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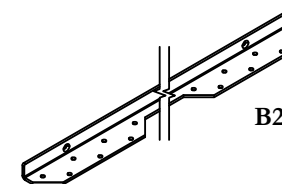
Part and Product Identification



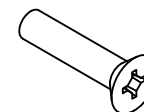
A - Desk Edge Wood Screen
(C05-8870) x1



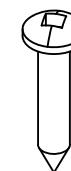
B1 - Desk Edge Screen
Bar-Sub-Assembly
for Wood
(N09-5045) x1



B2 - Desk Edge Screen
Mounting Bracket
(A16-2959) x1



B3 - Machine Screw,
1/4-20x1-1/8" Long,
Flat, Quadrex, Zinc
(E01-0906) 48"-54" x3
60"-66" x4
72"-96" x5



B4 - #10x1", Pan, Quadrex
Wood Screw, Deep
Thread, Zink
(E07-0097) 48" x10
54"-60" x14
66"-72" x18
78"-84" x22
90" x26
96" x30

B - Solid Desk Edge Screen Mounting Kit (X06-0339) x1

height-adjustable bench *Installation Guides*

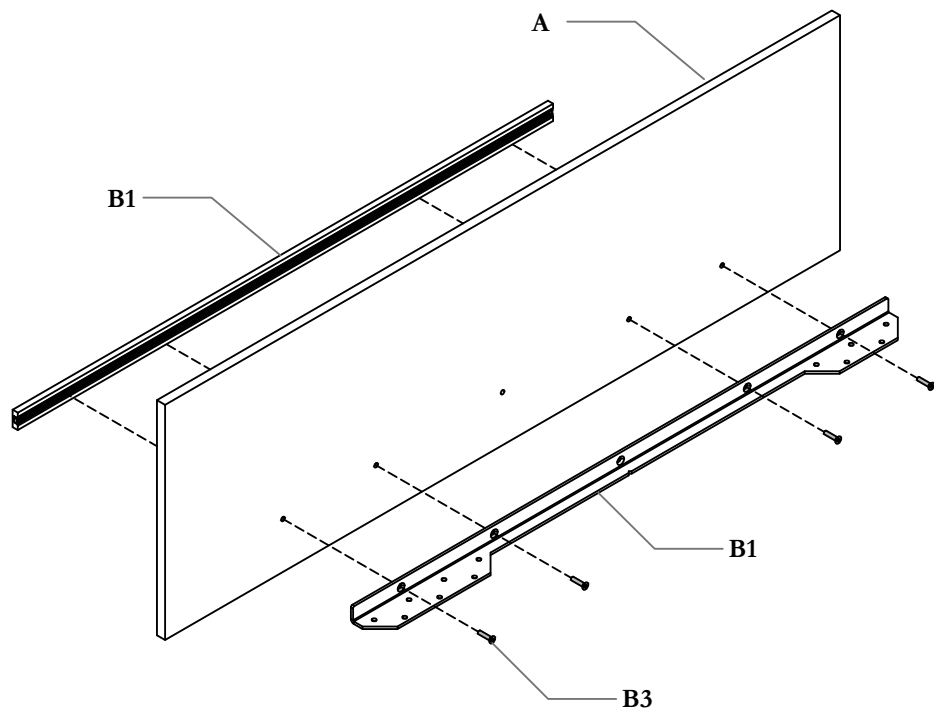
Section: **SCREENS AND GABLES**

Description: **DESK EDGE SCREEN - SOLID**

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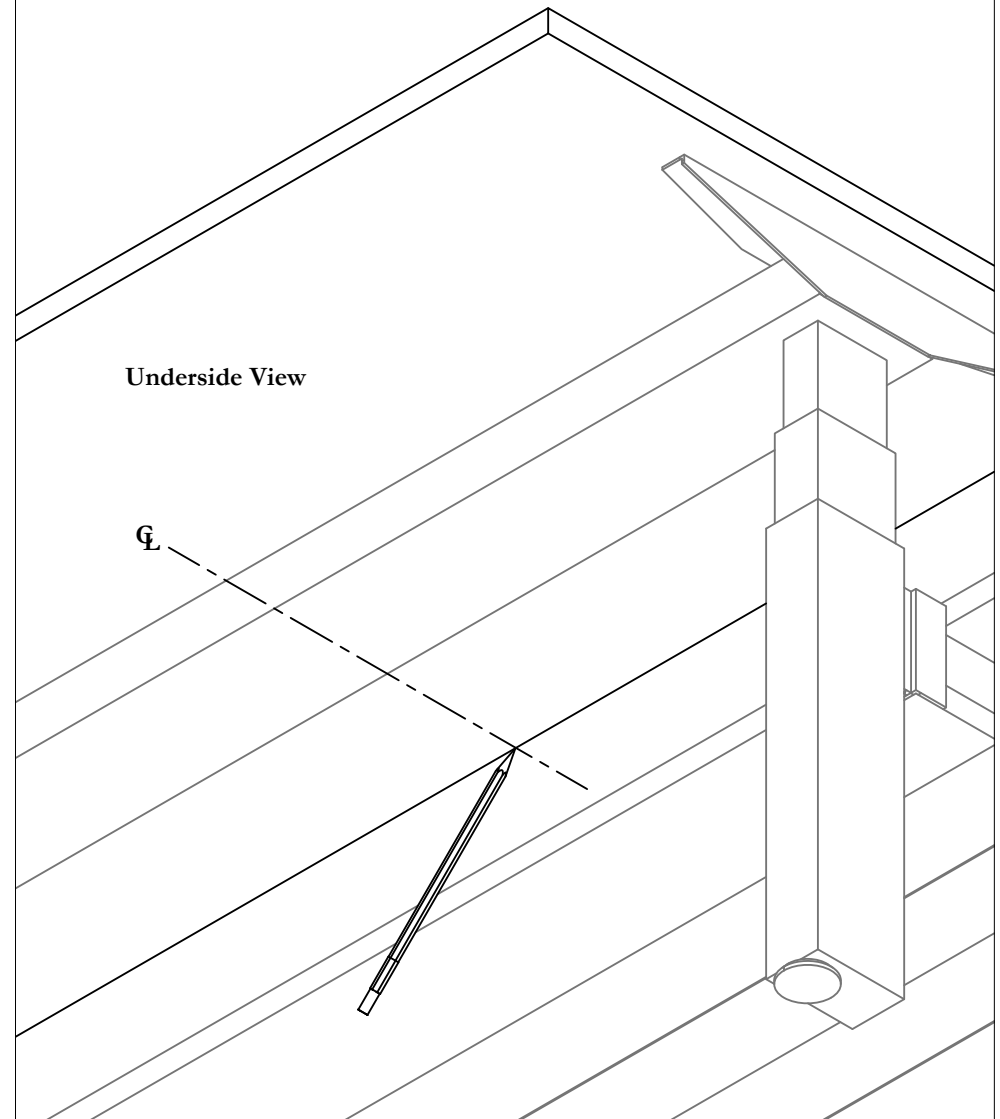
SCREEN MOUNTING KIT ASSEMBLY



STEP 1: Fasten Screen Bar-Subassembly and Mounting Bracket to the Solid Screen.

NOTE: If 48" or 54" Desk Edge Screen is specified, Rectangular Grommet CAN NOT be installed at center.

MARK CENTERLINE



STEP 2: Mark the center on the bottom of the Worksurface with pencil as shown.

height-adjustable bench *Installation Guides*

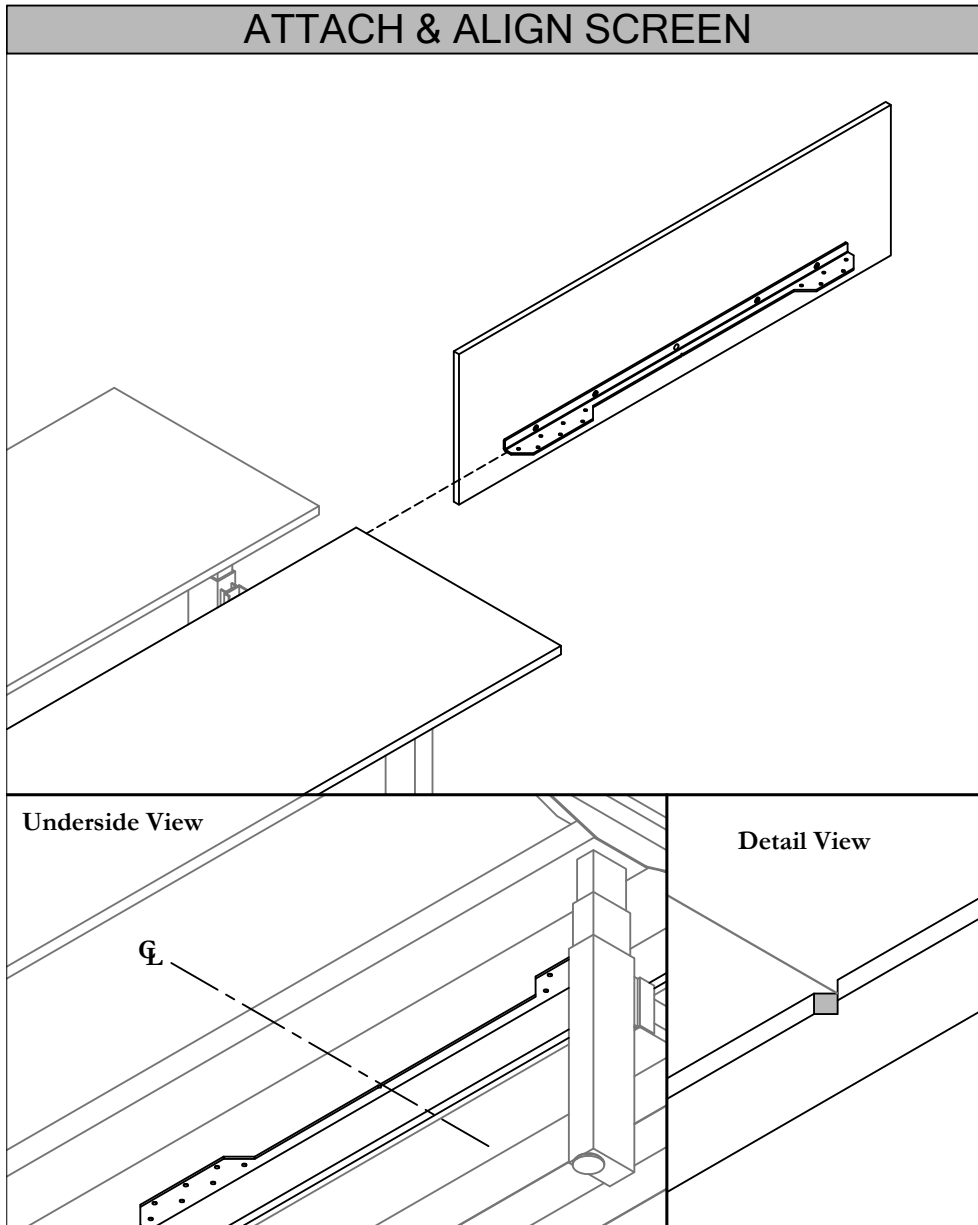
Section: **SCREENS AND GABLES**

Description: **DESK EDGE SCREEN - SOLID**

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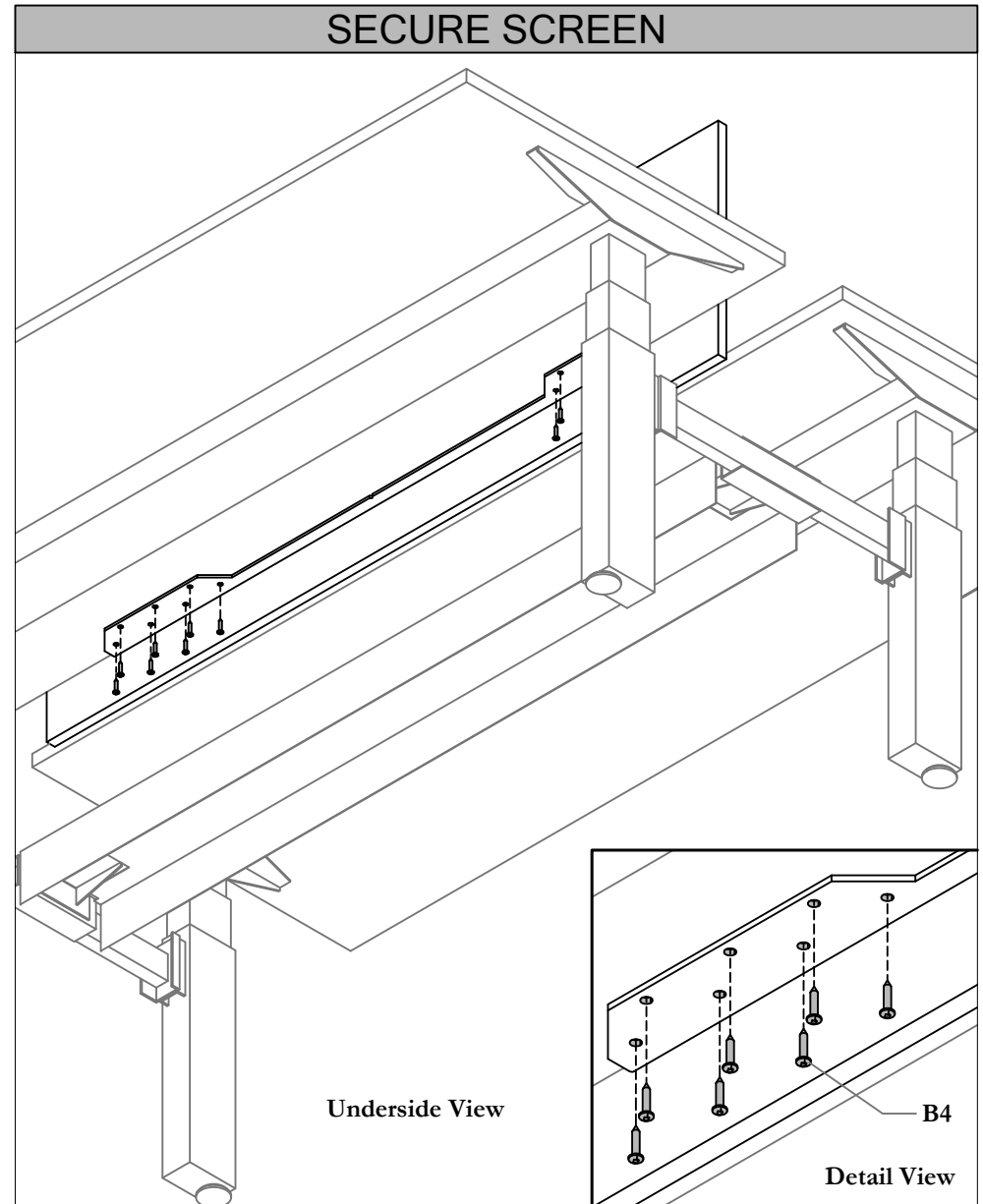
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HABL_202a

ATTACH & ALIGN SCREEN



STEP 3: Attach Mounting Bracket to the back of the Worksurface. Make sure the cut out of the Bracket aligns with the marked Centerline.

SECURE SCREEN



STEP 4: Fasten Mounting Bracket to the underside of the Worksurface as shown.

height-adjustable bench *Installation Guides*

Section: **SCREENS AND GABLES**

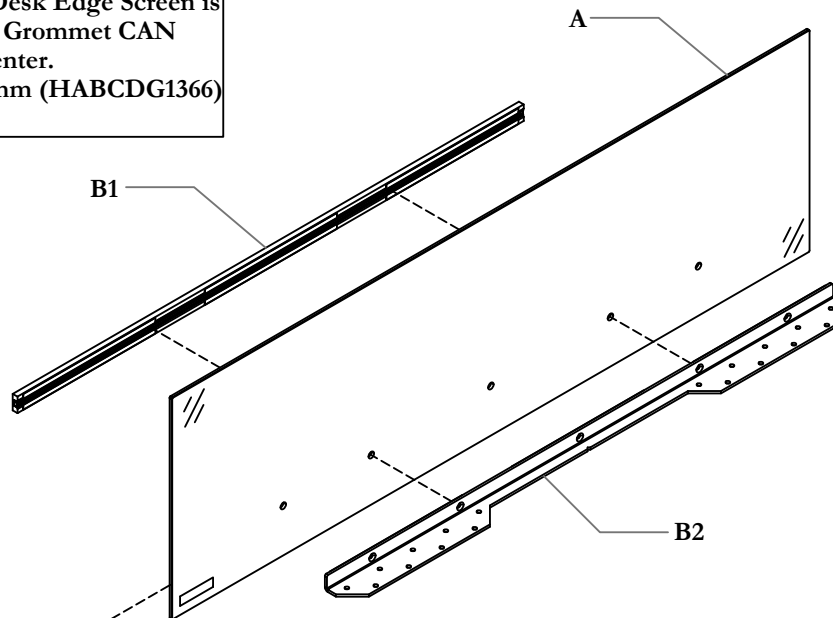
Description: **DESK EDGE SCREEN - 6mm GLASS**

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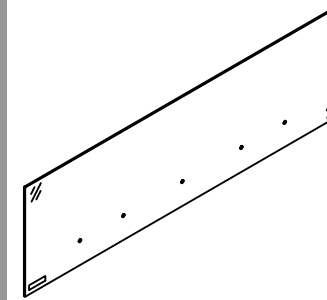
Desk Edge Screen - 6mm Glass (HABCDG)

NOTE: If 48" or 54" Desk Edge Screen is specified, Rectangular Grommet **CAN NOT** be installed at center.
Desk Edge Screen - 6mm (HABCDG1366) shown as an example.

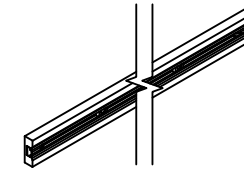


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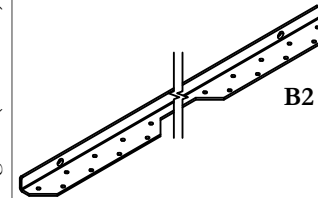
Part and Product Identification



A - 6mm Clear Tempered Glass Screen (H01-1868) x1
or
6mm Frost Etched Tempered Glass Screen (H02-0466) x1



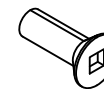
B1 - Desk Edge Screen Bar-Sub-Assembly for Glass (N09-5046) x1



B2 - Desk Edge Screen Mounting Bracket Sub-Assembly for Glass (N09-5048) x1



B3 - Nylon Bush; OD.1/2" ID. 0.316" TH. 0.234 (#13RS050071)
(E03-0523) 48"-54" x3
60"-66" x4
72"-96" x5



B4 - 1/4-20x3/4" Machine Screw, Flat (E01-0484) 48"-54" x3
60"-66" x4
72"-96" x5



B5 - #10x1", Pan, Quadrex Wood Screw, Deep Thread, Zink (E07-0097) 48" x10
54"-60" x14
66"-72" x18
78"-84" x22

B - 6mm Glass Desk Edge Screen Mounting Kit (X06-0336) x1

height-adjustable bench *Installation Guides*

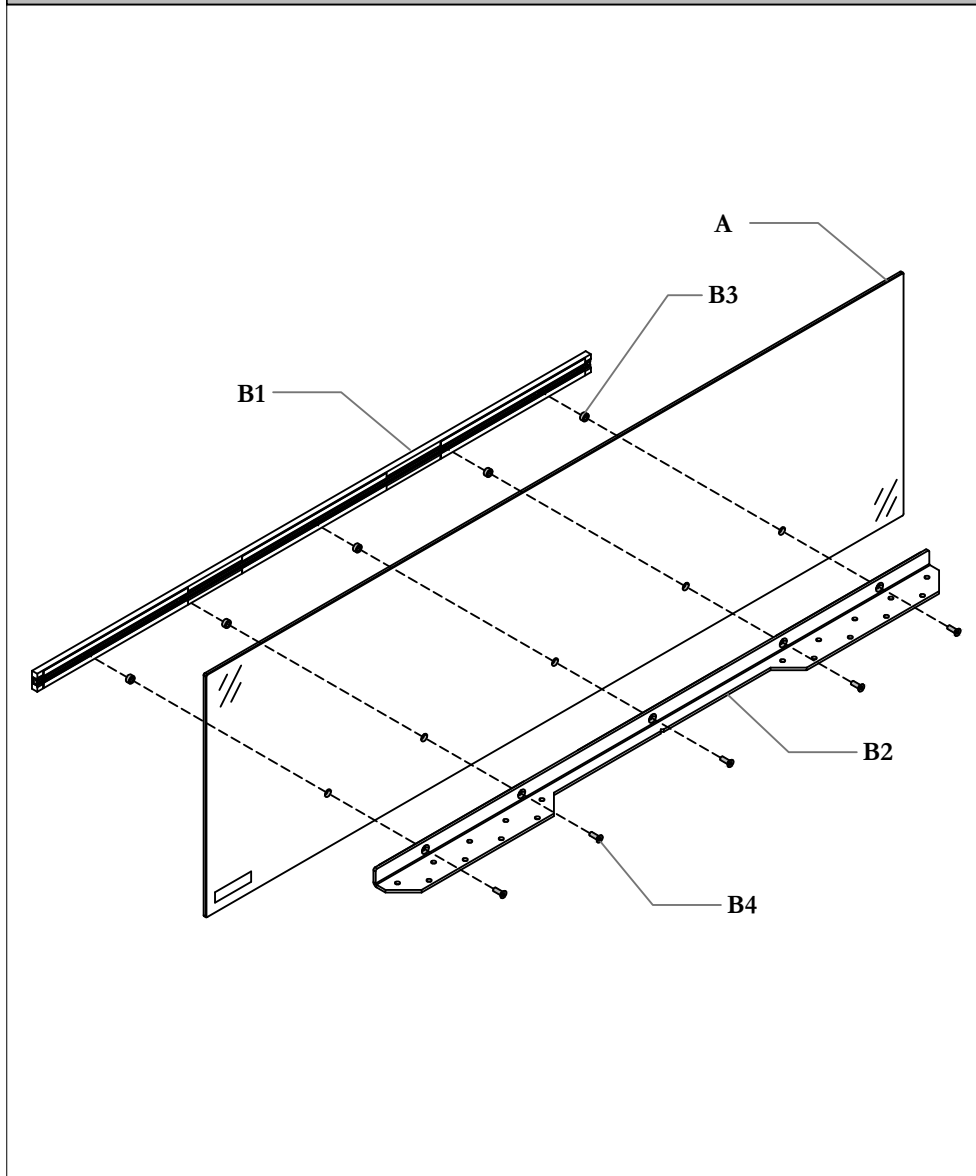
Section: **SCREENS AND GABLES**

Description: **DESK EDGE SCREEN - 6mm GLASS**

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HABL_202b

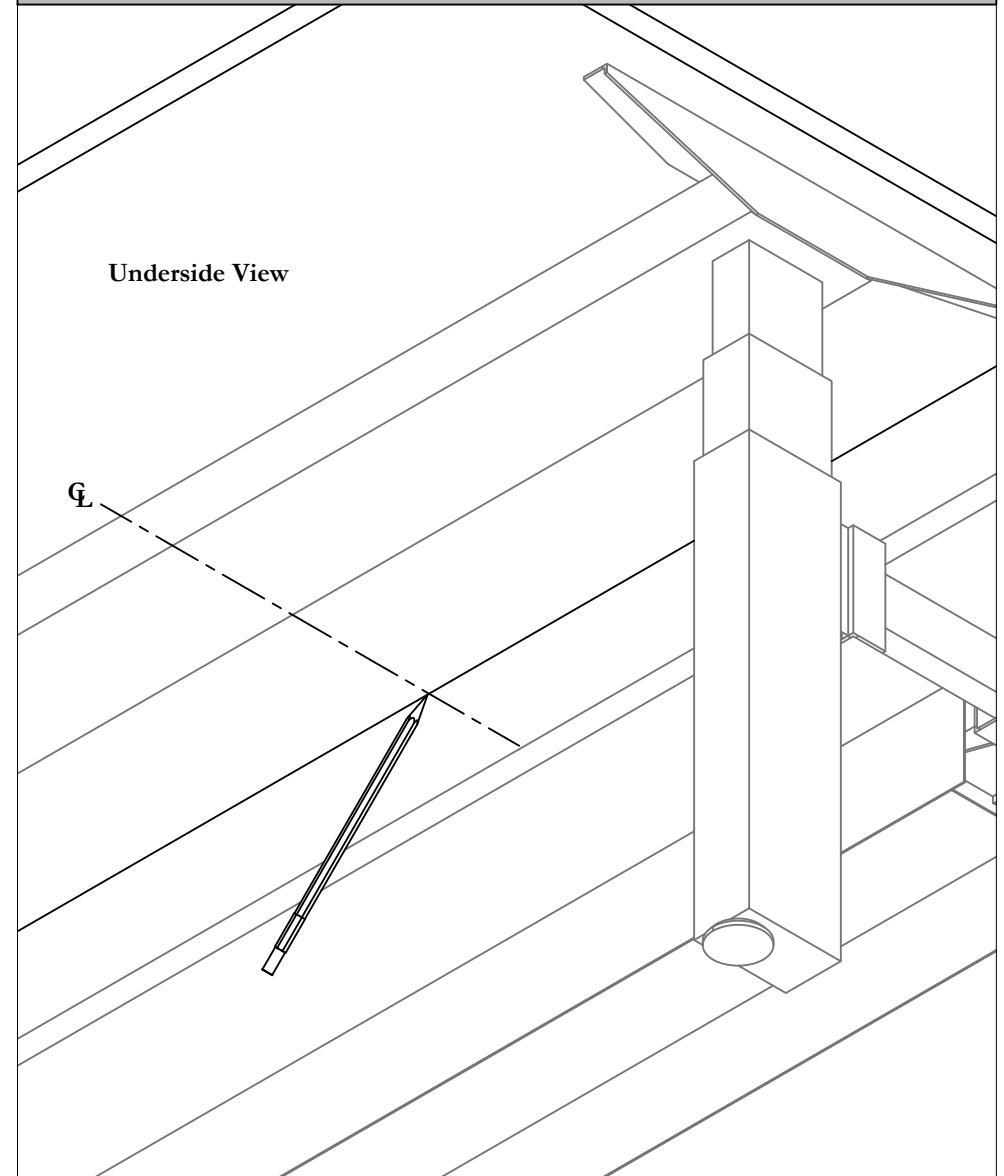
SCREEN MOUNTING KIT ASSEMBLY



STEP 1: Fasten Screen Bar-Subassembly and Mounting Bracket to the 6mm Glass Screen.

NOTE: If 48" & 54" Desk Edge Screen is specified, Rectangular Grommet CAN NOT be installed at center.

MARK CENTERLINE



STEP 2: Mark Centerline at the bottom of the Worksurface with pencil as shown.

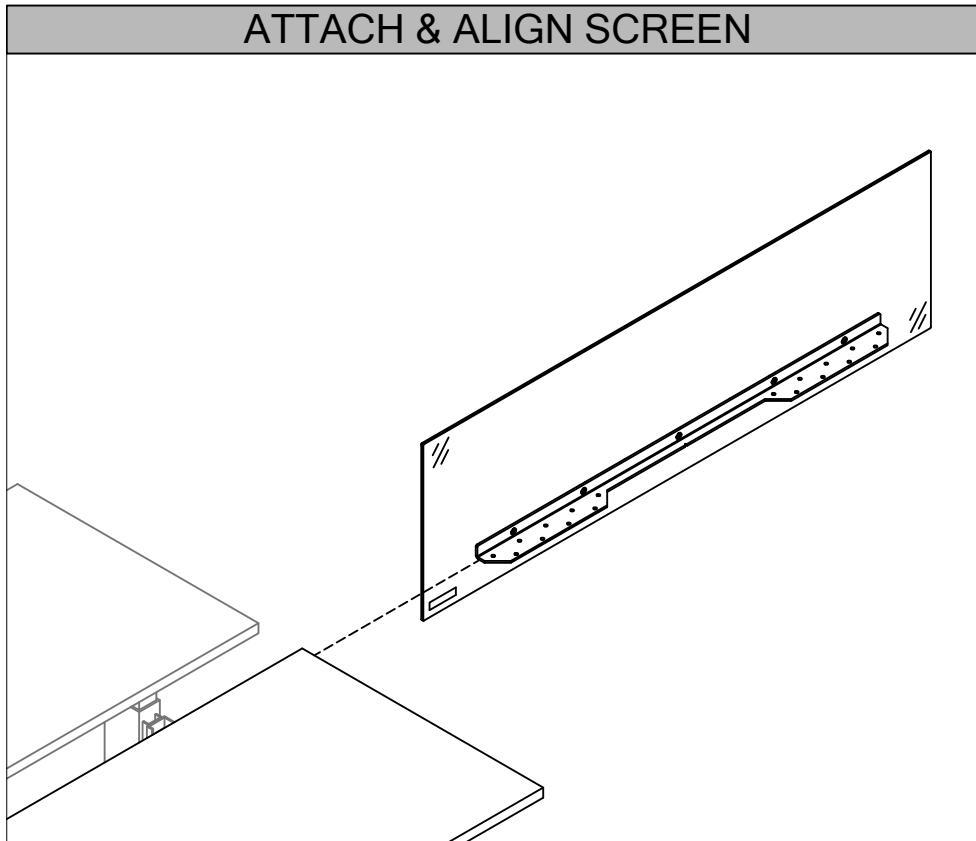
height-adjustable bench *Installation Guides*

Section: **SCREENS AND GABLES**

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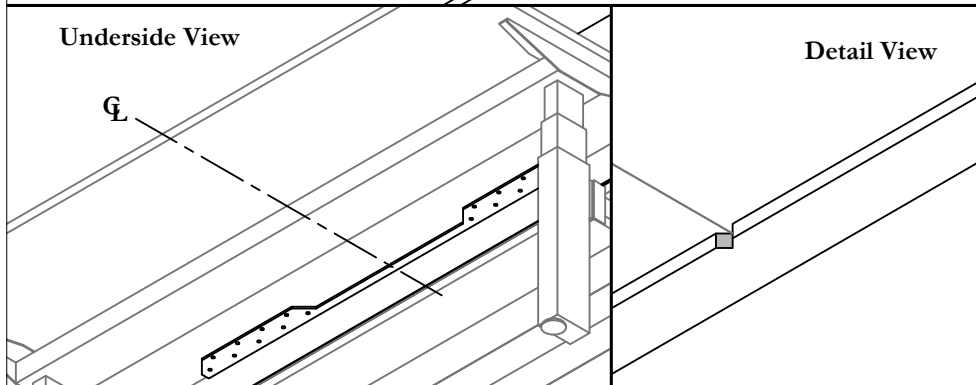
Description: **DESK EDGE SCREEN - 6mm GLASS**

ATTACH & ALIGN SCREEN



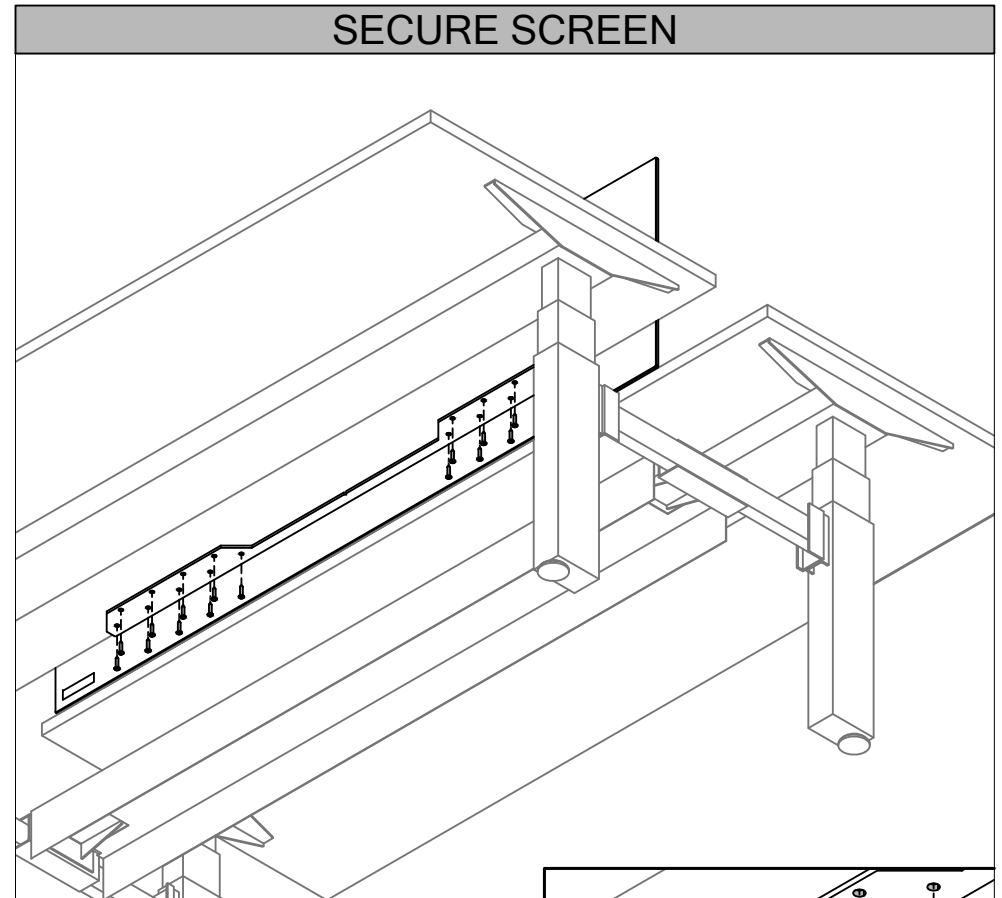
Underside View

Detail View



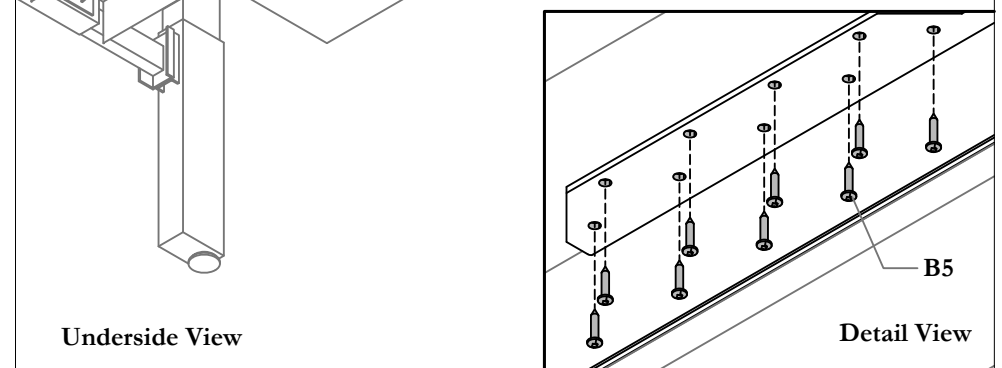
STEP 3: Attach Mounting Bracket to the back of the Worksurface. Make sure the cut out of the Bracket aligns with the marked Centerline.

SECURE SCREEN



Underside View

Detail View



STEP 4: Fasten Mounting Bracket to the underside of the Worksurface as shown.

height-adjustable bench *Installation Guides*

Section: **SCREENS AND GABLES**

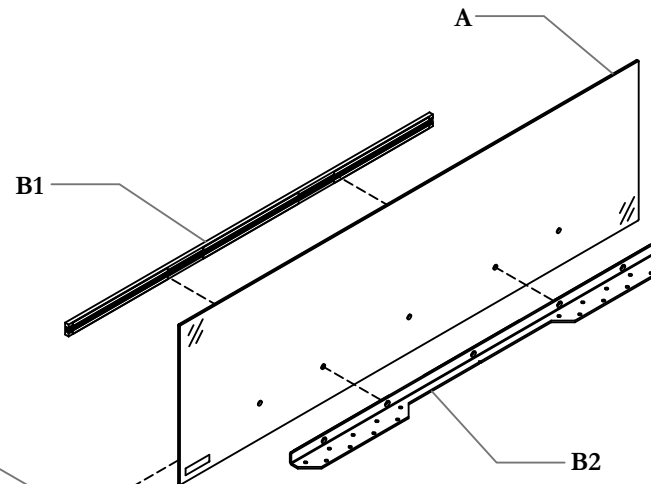
Description: **DESK EDGE SCREEN - 10mm GLASS**

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HABL_202c Rev. No: 3

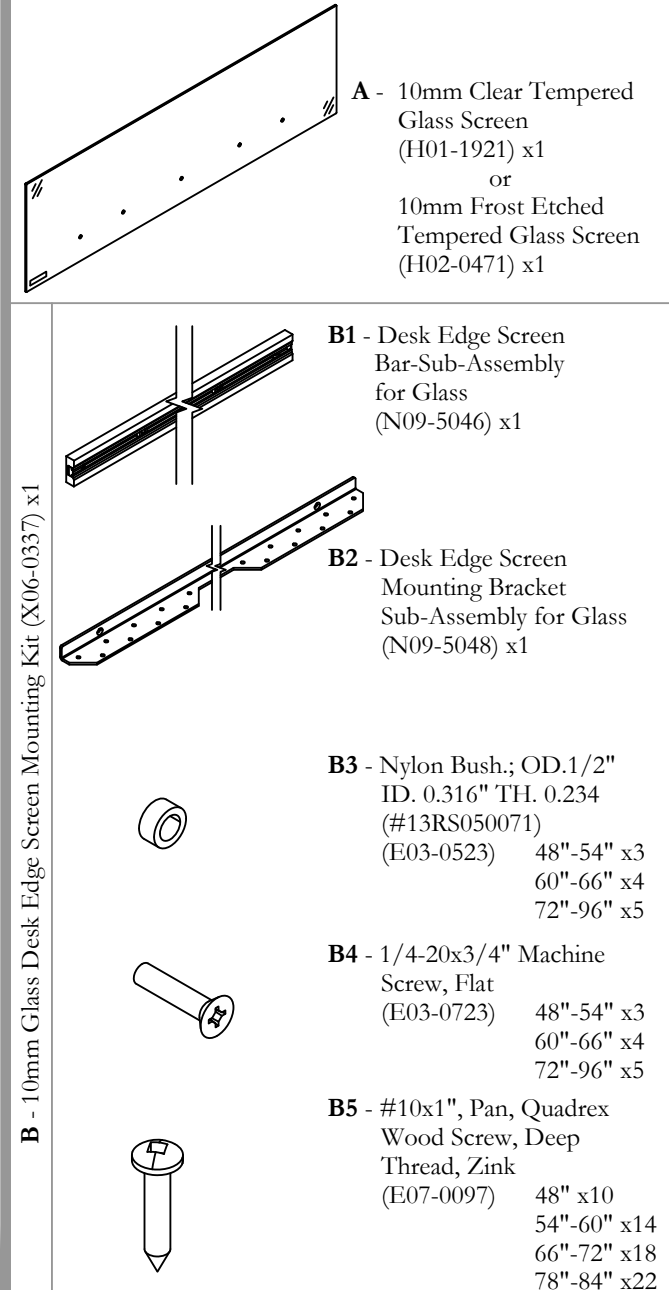
Desk Edge Screen - 10mm Glass (HABCDG)

NOTE: If 48" or 54" Desk Edge Screen is specified, Rectangular Grommet CAN NOT be installed at center. Desk Edge Screen (HABCDG1360) shown as an example.



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Part and Product Identification



height-adjustable bench *Installation Guides*

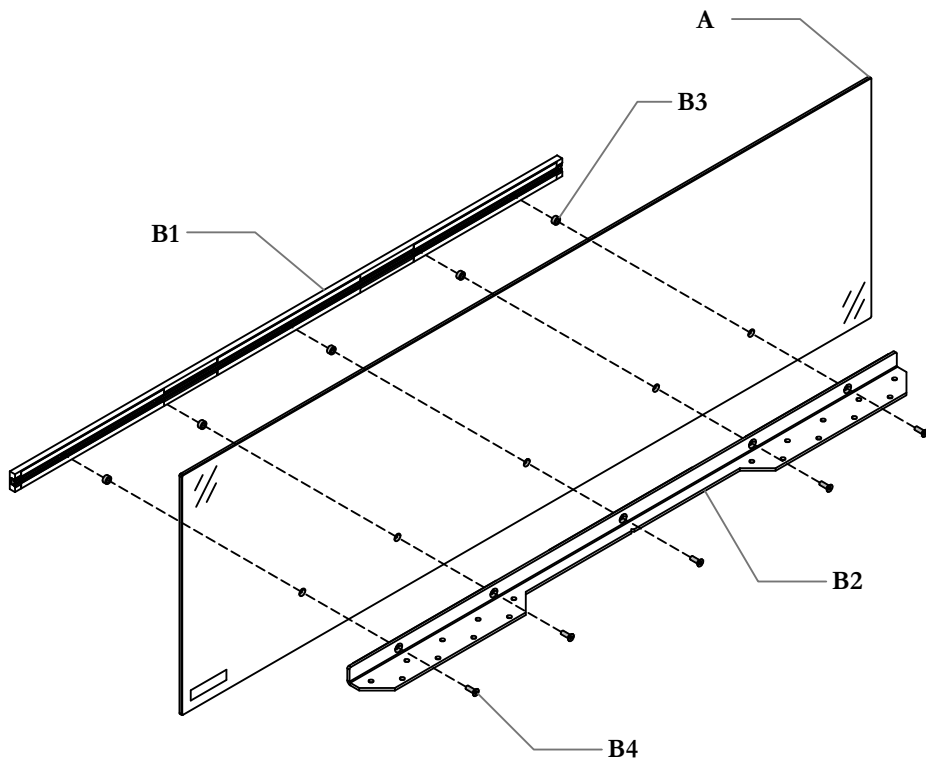
Section: **SCREENS AND GABLES**

Description: **DESK EDGE SCREEN - 10mm GLASS**

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HABL_202c

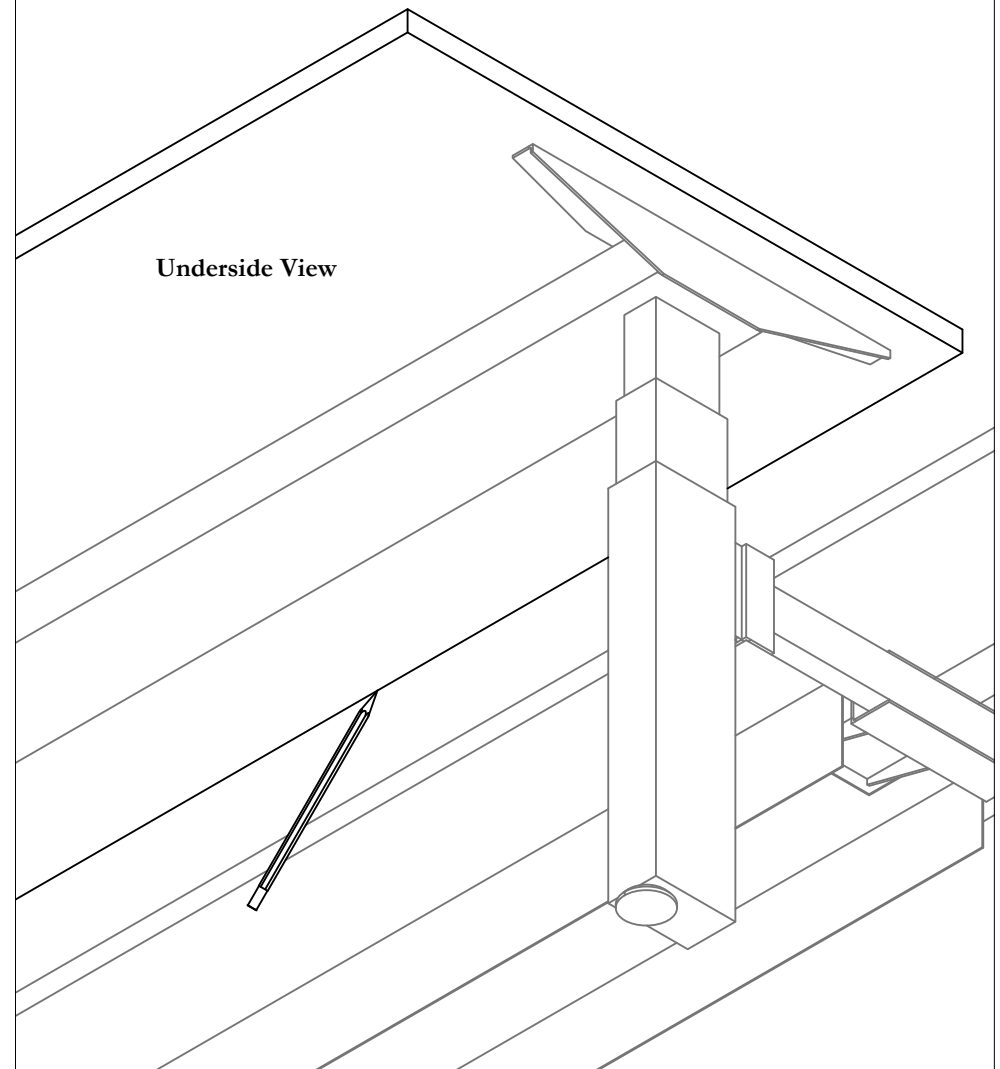
SCREEN MOUNTING KIT ASSEMBLY



STEP 1: Fasten Screen Bar-Subassembly and Mounting Bracket to the 6mm Glass Screen.

NOTE: If 48" or 54" Desk Edge Screen is specified, Rectangular Grommet CAN NOT be installed at center.

MARK CENTERLINE



STEP 2: Mark the center on the bottom of the Worksurface with pencil as shown.

height-adjustable bench *Installation Guides*

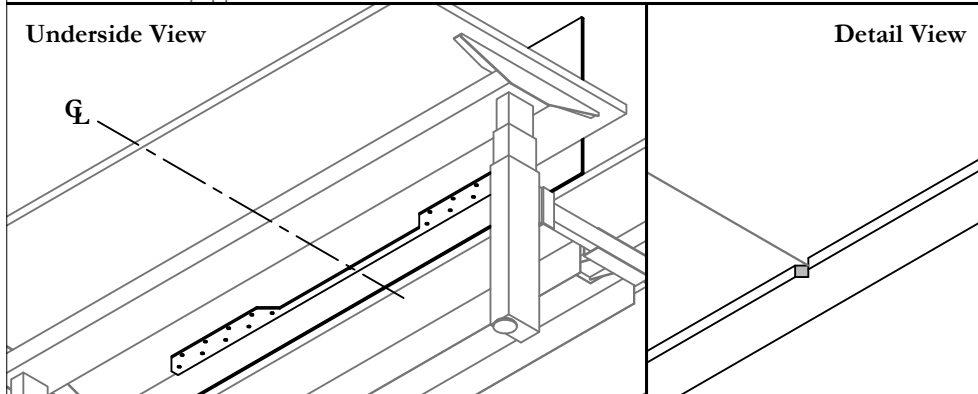
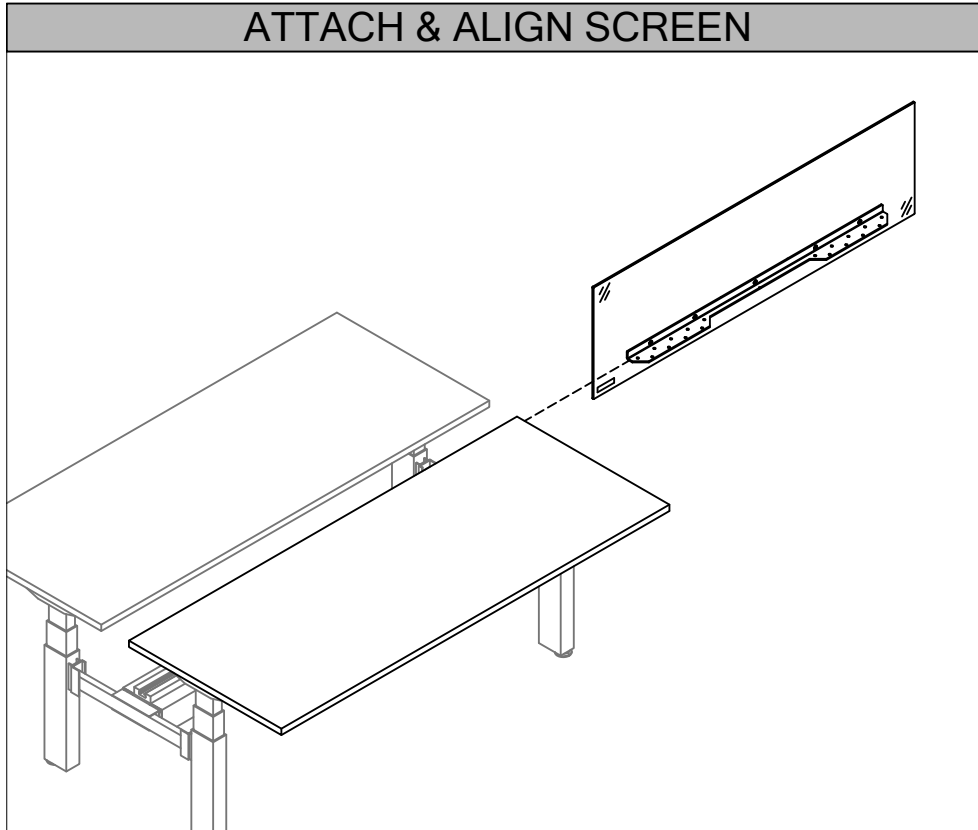
Section: **SCREENS AND GABLES**

Description: **DESK EDGE SCREEN - 10mm GLASS**

teknion

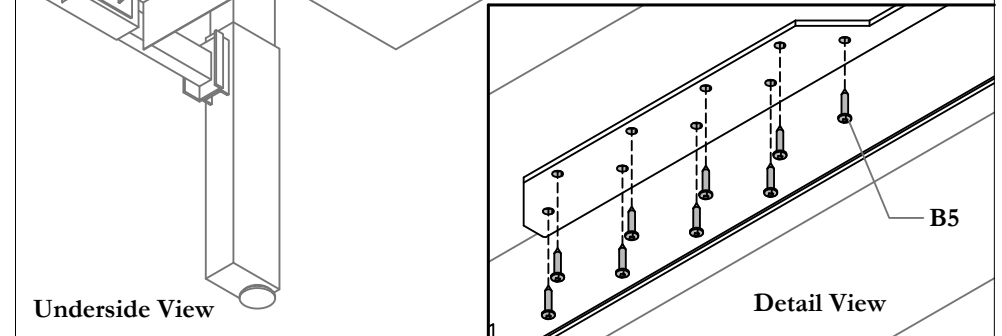
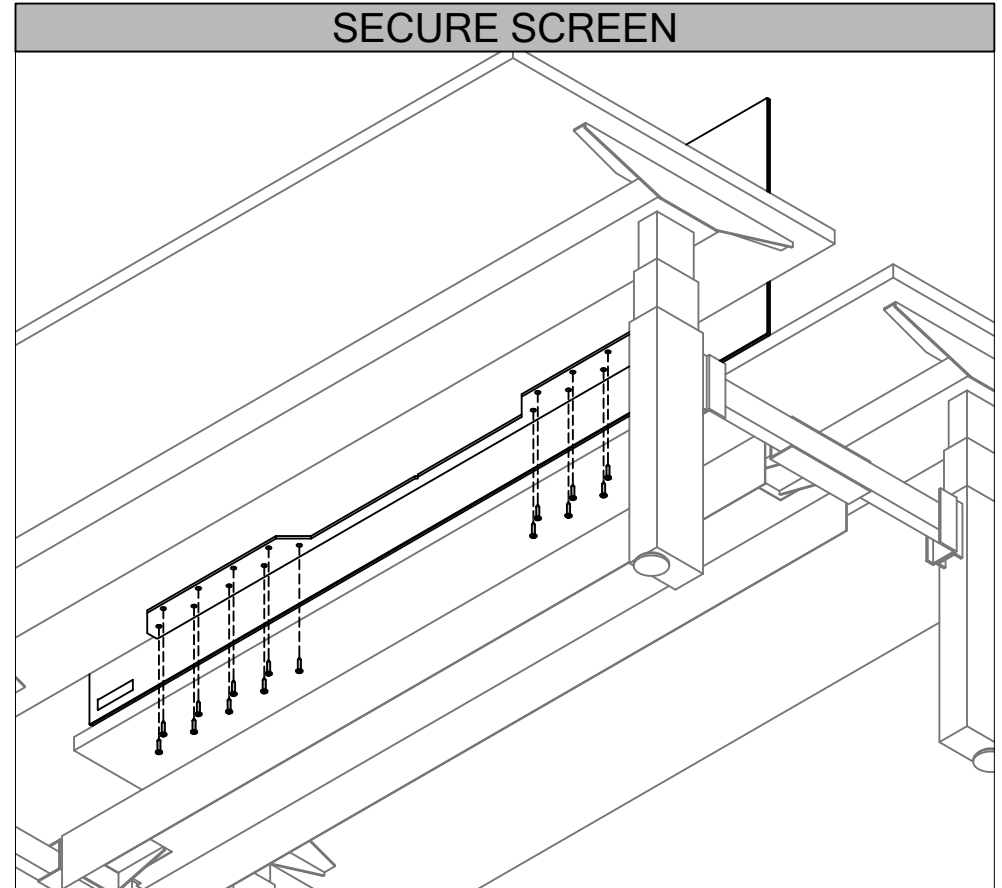
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HABL_202c

ATTACH & ALIGN SCREEN



STEP 3: Attach Mounting Bracket to the back of the Worksurface. Make sure the cut out of the Bracket aligns with the marked Centerline.

SECURE SCREEN



STEP 4: Fasten Mounting Bracket to the underside of the Worksurface as shown.

height-adjustable bench Installation Guides

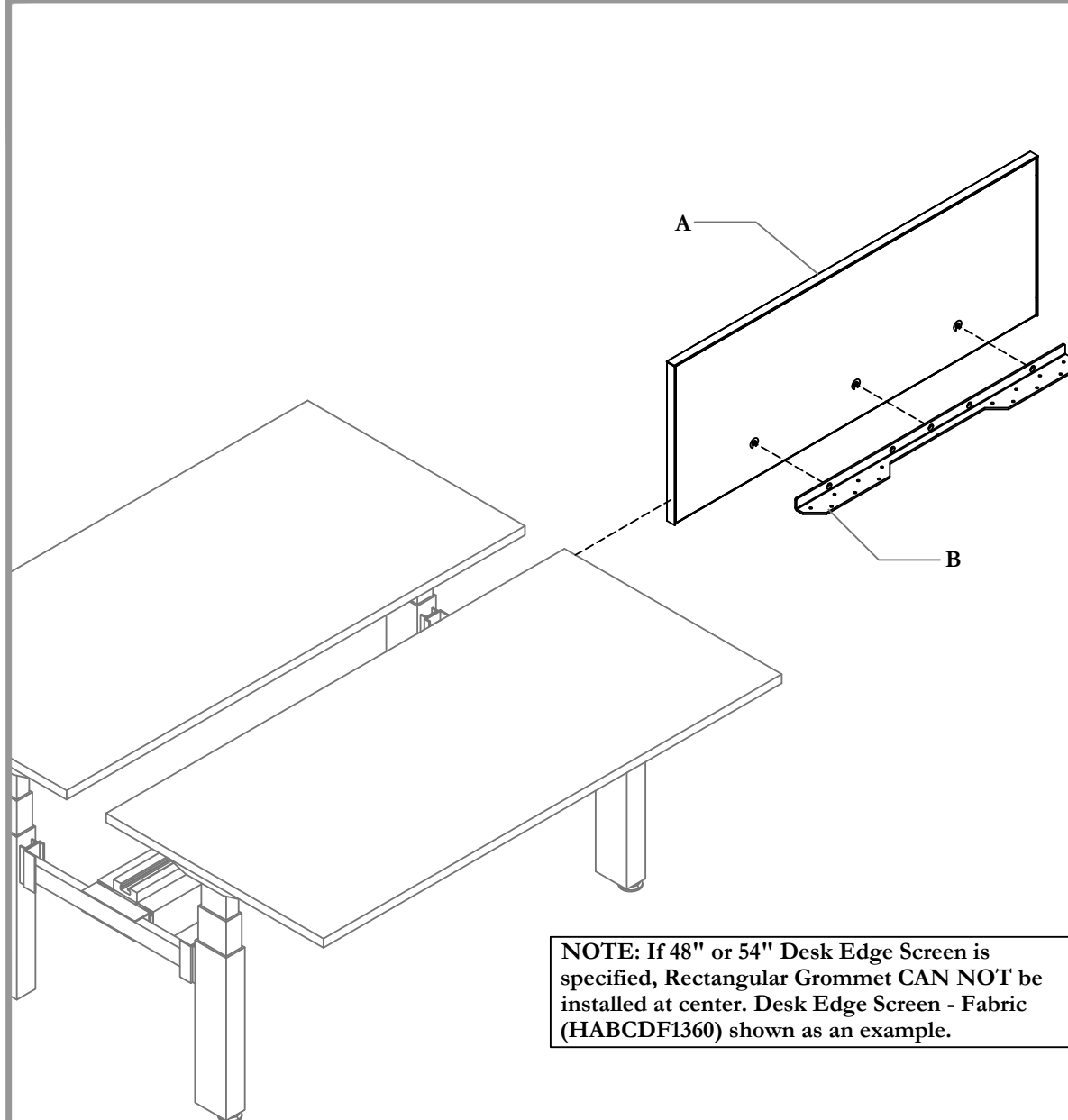
Section: **SCREENS AND GABLES**

Description: **DESK EDGE SCREEN - FABRIC**

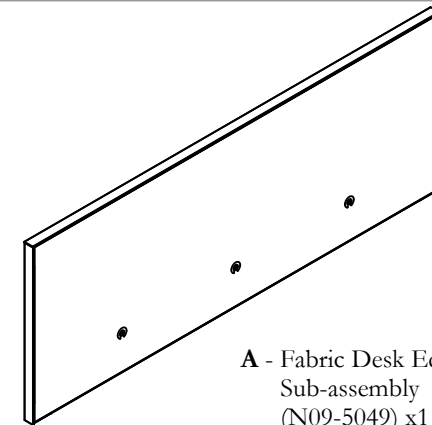
teknion

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HABL_202d Rev. No: 4

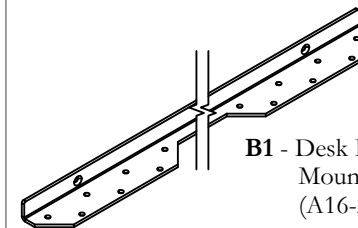
Desk Edge Screen - Fabric (HABCDF)



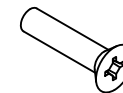
Part and Product Identification



A - Fabric Desk Edge Screen Sub-assembly (N09-5049) x1



B1 - Desk Edge Screen Mounting Bracket (A16-2959) x1



B2 - 1/4-20x1" Machine Screw; Quadrex; Flat Head; Zinc (E01-0008) 48" x2
54"-84" x3



B3 - #10x1", Pan, Quadrex Wood Screw, Deep Thread, Zinc (E07-0097) x10



B4 - Slotted Washer, 1" OD x 3/8 ID x1/16 THK, Zinc (E03-0640) 48" x2
54"-84" x3



B5 - Screen Leveling Shim (B05-0098) 48"-60" x2
66"-84" x4

B - Fabric Desk Edge Screen Mounting Kit (X06-0338) x1

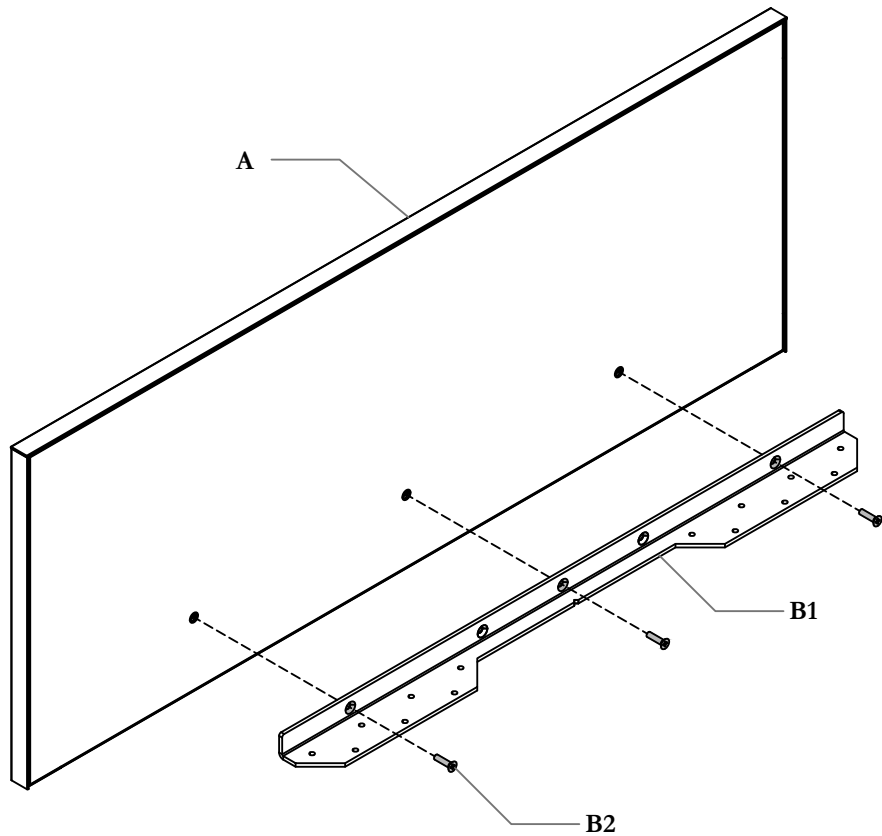
height-adjustable bench *Installation Guides*

Section: **SCREENS AND GABLES**

Date: May 2018 Page No: 2 of 5
HABL_202d

Description: **DESK EDGE SCREEN - FABRIC**

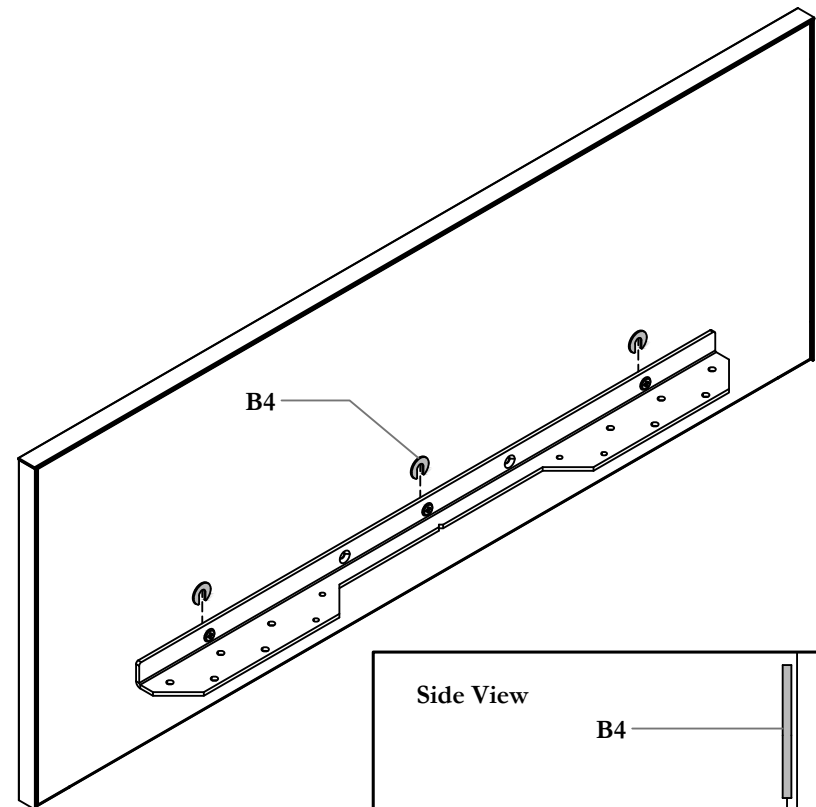
SCREEN MOUNTING KIT ASSEMBLY



STEP 1: Fasten Screen Bar-Subassembly and Mounting Bracket to the Solid Screen loosely.

NOTE: If 48" & 54" Desk Edge Screen is specified, Rectangular Grommet CAN NOT be installed at center.

INSERT WASHER & TIGHTEN BRACKET



Side View

B4

B1

B2

STEP 2: Insert Slotted Washers to Screws between Bracket and Fabric Frame. Then Tighten Screws fully.

height-adjustable bench *Installation Guides*

teknion

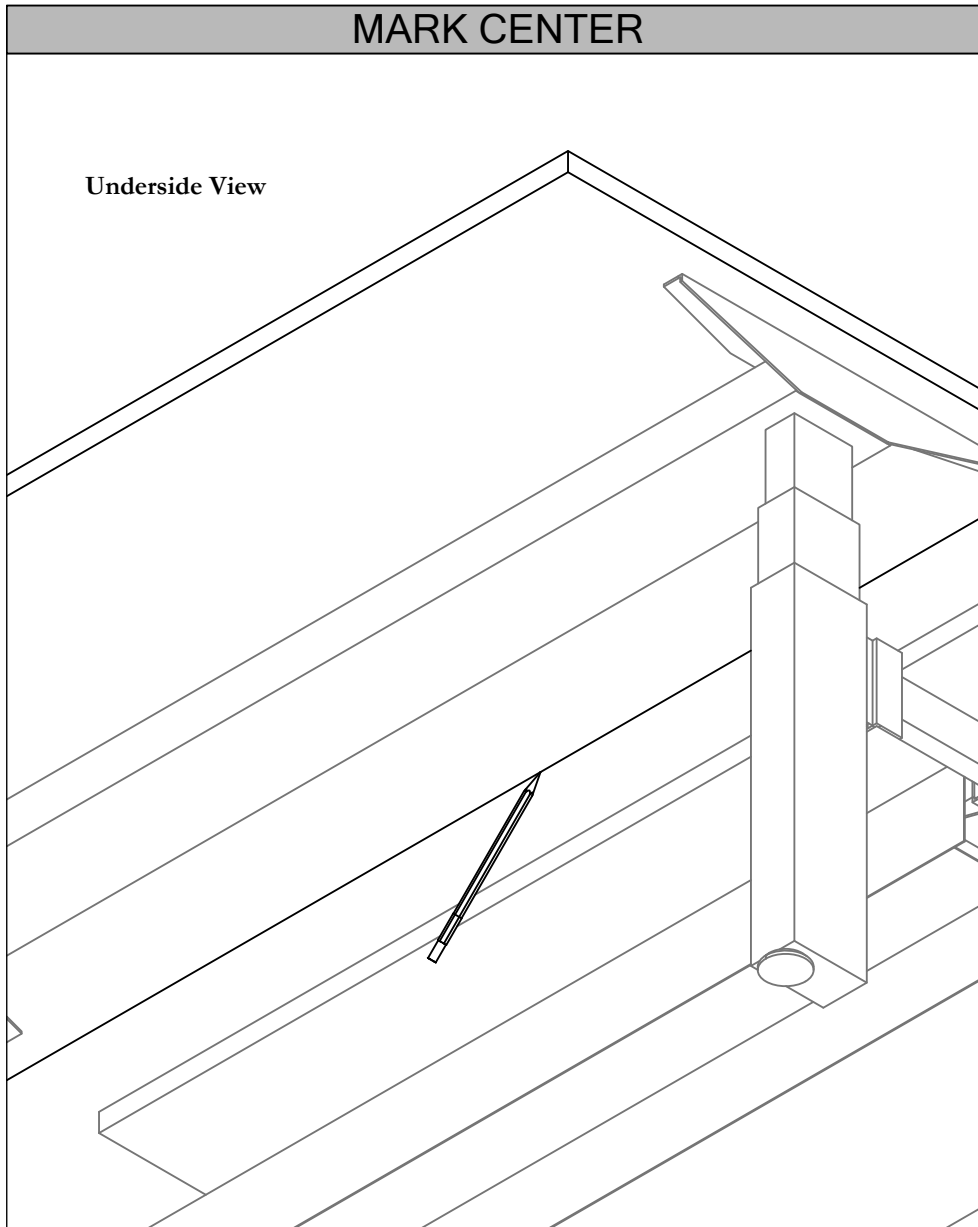
Section: **SCREENS AND GABLES**

Date: May 2018 Page No: 3 of 5
HABL_202d

Description: **DESK EDGE SCREEN - FABRIC**

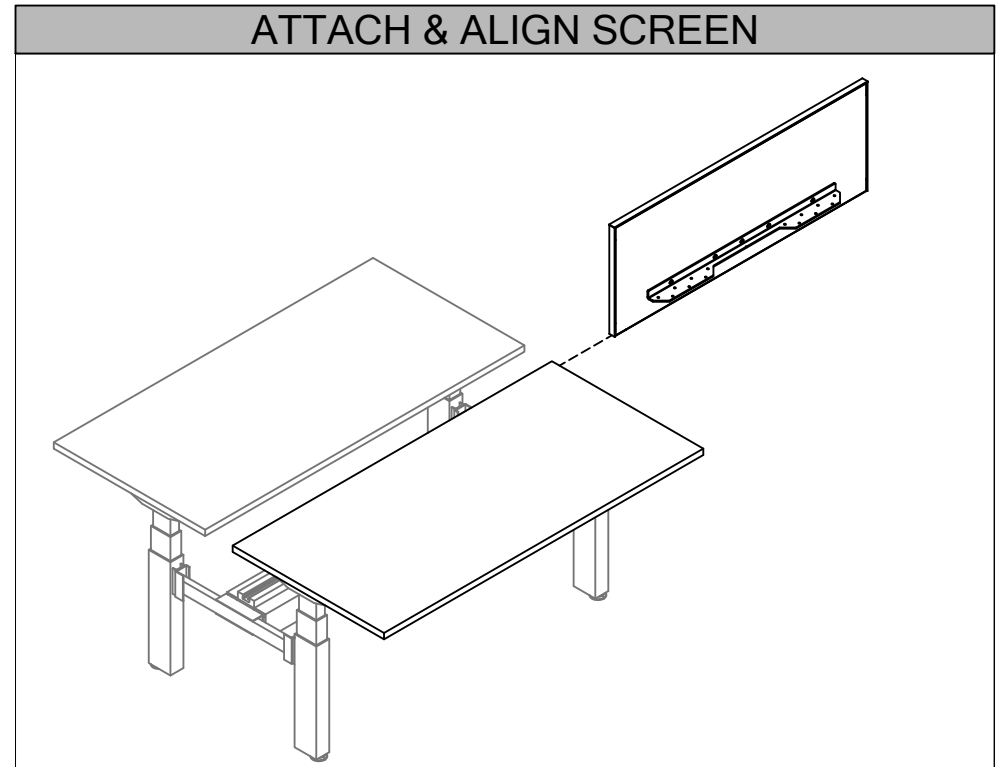
MARK CENTER

Underside View

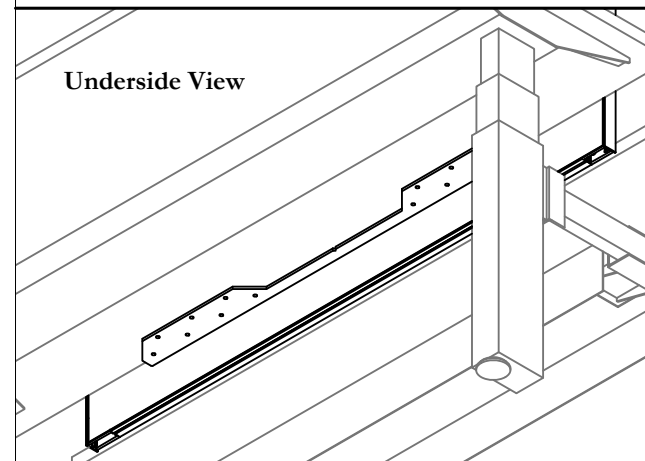


STEP 3: Mark the center on the bottom of Worksurface with pencil.

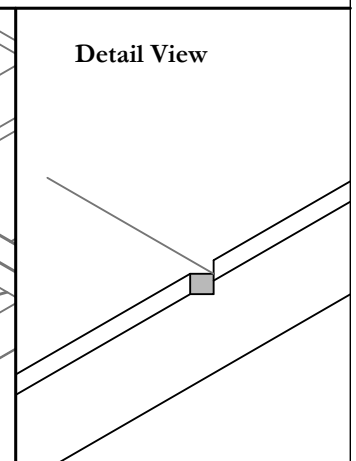
ATTACH & ALIGN SCREEN



Underside View

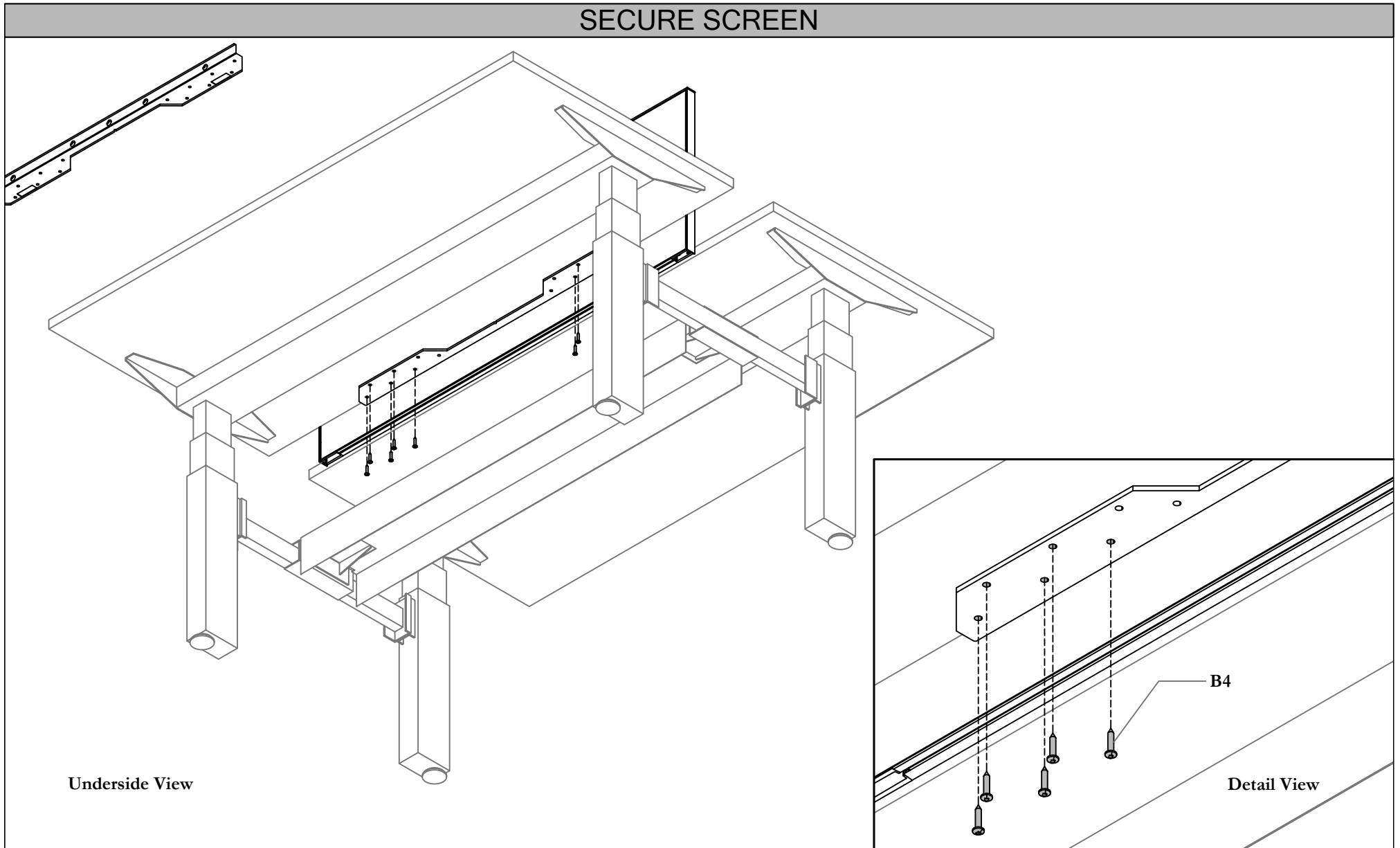


Detail View



STEP 4: Attach Mounting Bracket to the back of the Worksurface. Make sure the cut out of the Bracket aligns with the marked Centerline.

SECURE SCREEN



Underside View

B4

Detail View

STEP 5: Fasten Mounting Bracket to the underside of the Worksurface as shown.

NOTE: Fasten Screws to outer pilot holes.

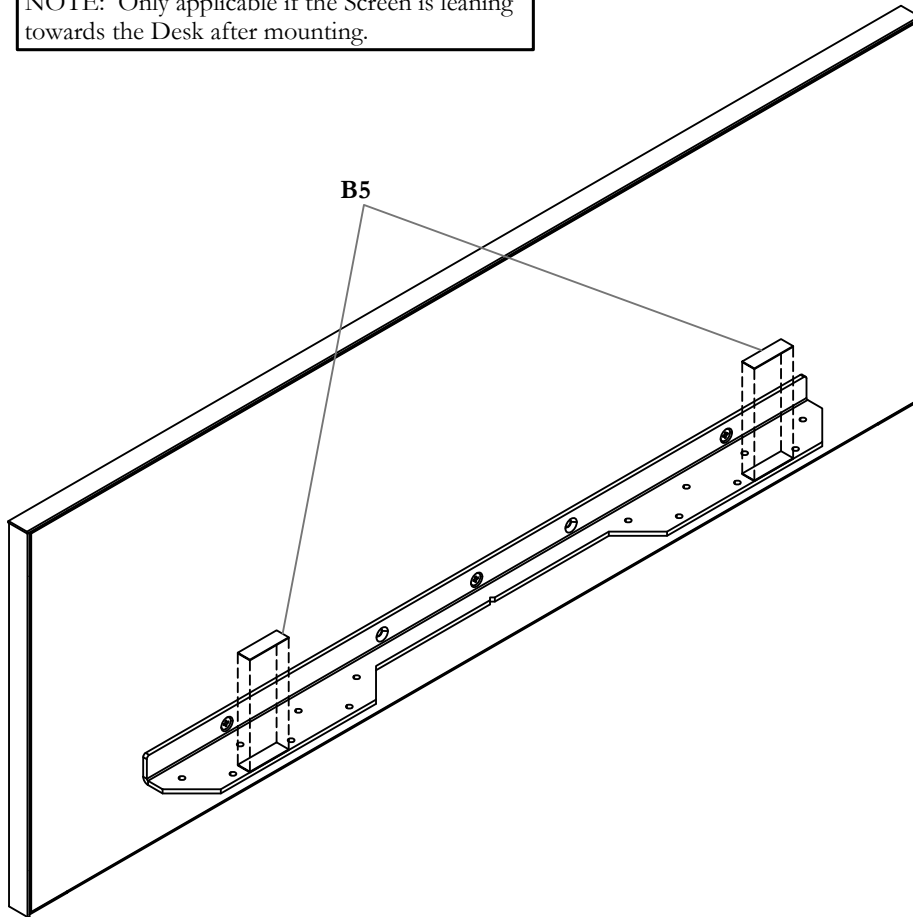
Section: **SCREENS & GUIDES**

Date: May 2018 Page No: 5 of 5
HABL_202d

Description: **DESK EDGE SCREEN - FABRIC**

ATTACH SHIMS (OPTIONAL)

NOTE: Only applicable if the Screen is leaning towards the Desk after mounting.

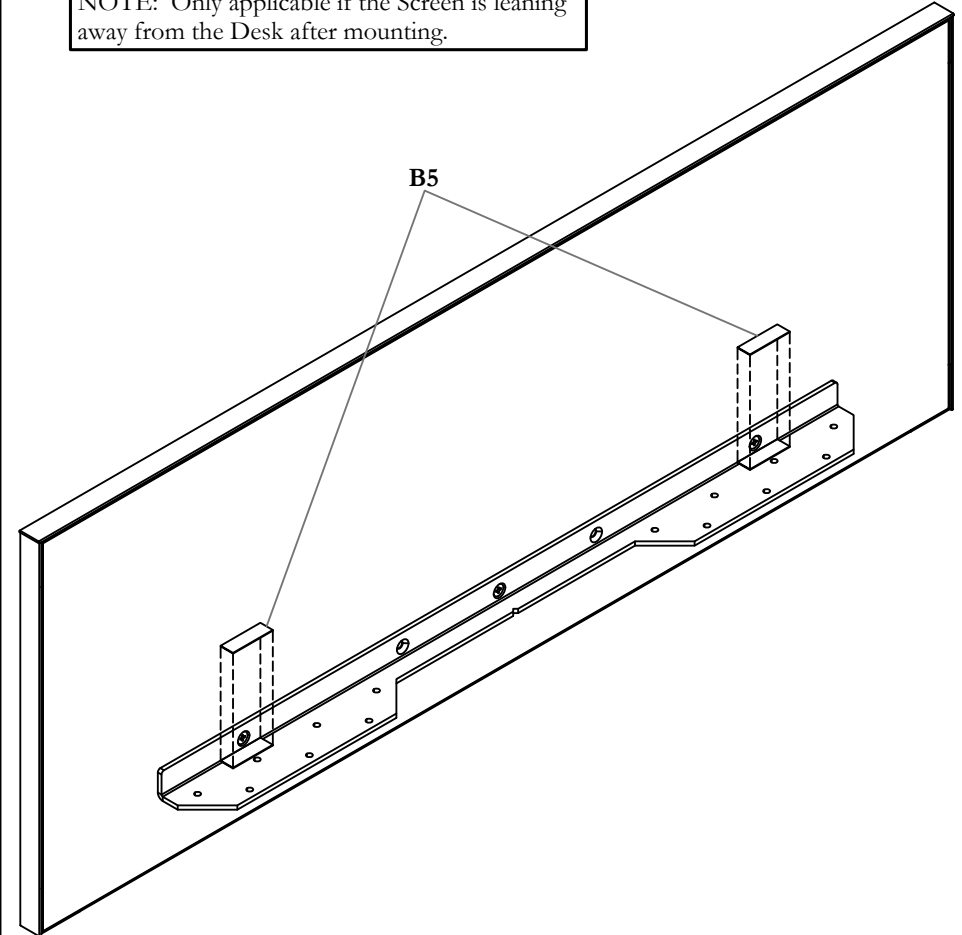


STEP 6a: Unmount the screen, attach Shims as illustrated and reinstall Screen.

NOTE: Only applicable if the Screen is leaning towards the Desk after mounting.

ATTACH SHIMS (OPTIONAL)

NOTE: Only applicable if the Screen is leaning away from the Desk after mounting.



STEP 6b: Unmount the screen and Attach Shims as illustrated and reinstall Screen.

NOTE: Only applicable if the Screen is leaning away from the Desk after mounting.

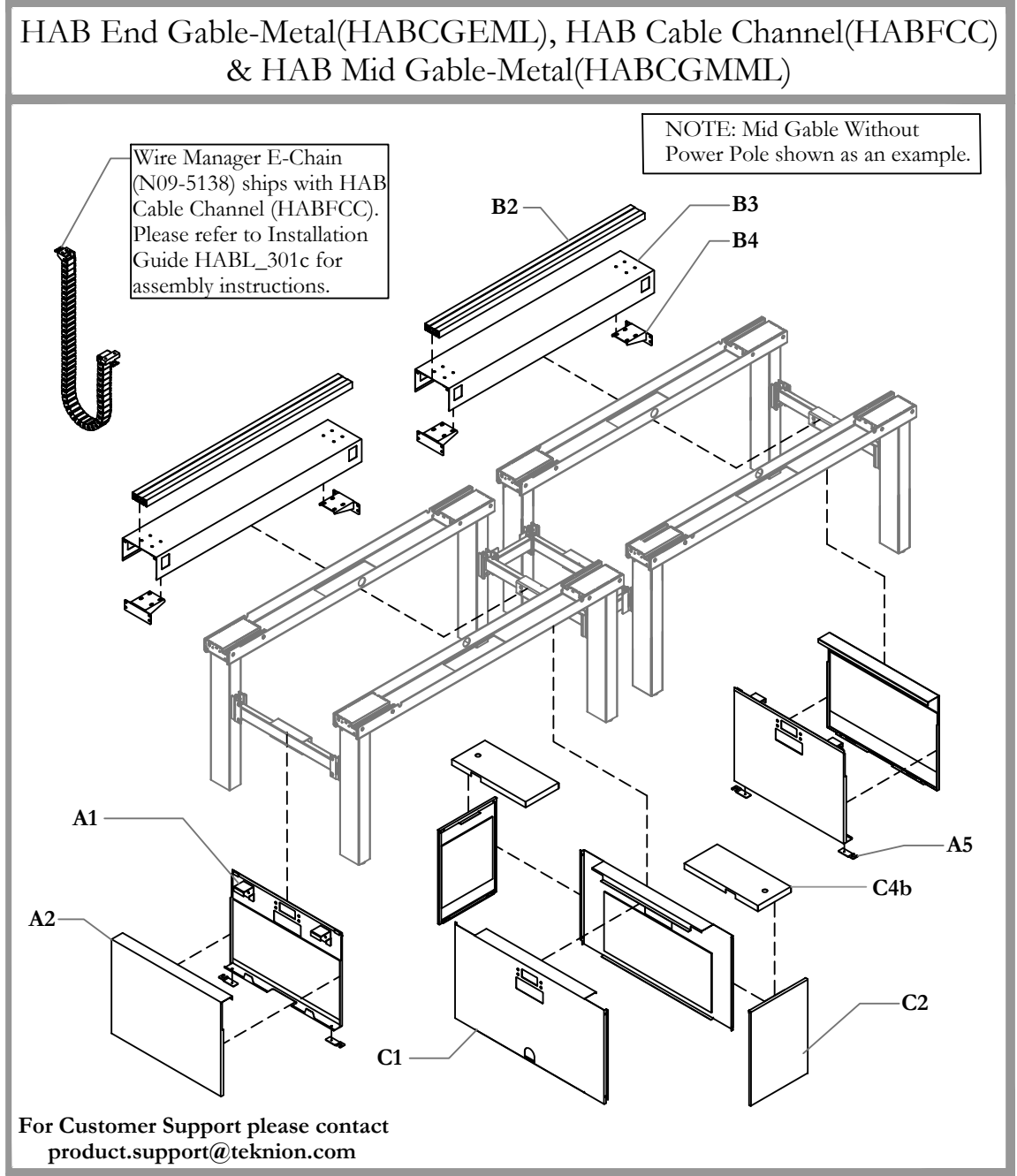
height-adjustable bench Installation Guides

Section: SCREENS AND GABLES

Description: METAL GABLES & CABLE CHANNEL

teknion

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HABL_203a Rev. No: 05



Part and Product Identification

A - (HABCGEML) x2

- A1** - Inside Cover Assembly for Metal End Gable (N09-5189) x1
or (N09-5190) x1
- A2** - Outside Cover Assembly for Metal End Gable (N09-5191) x1
- A3** - #10X1/2" Tap Scr Quad Pan (E01-0023)x2
- A4** - 2A1 Foam Rubber 3/16 Thick 1/2" Wide 12.5" Long, Grey Closed Cell (E08-0135) x2
- A5** - Gable Connecting Plate (A16-3651) x2

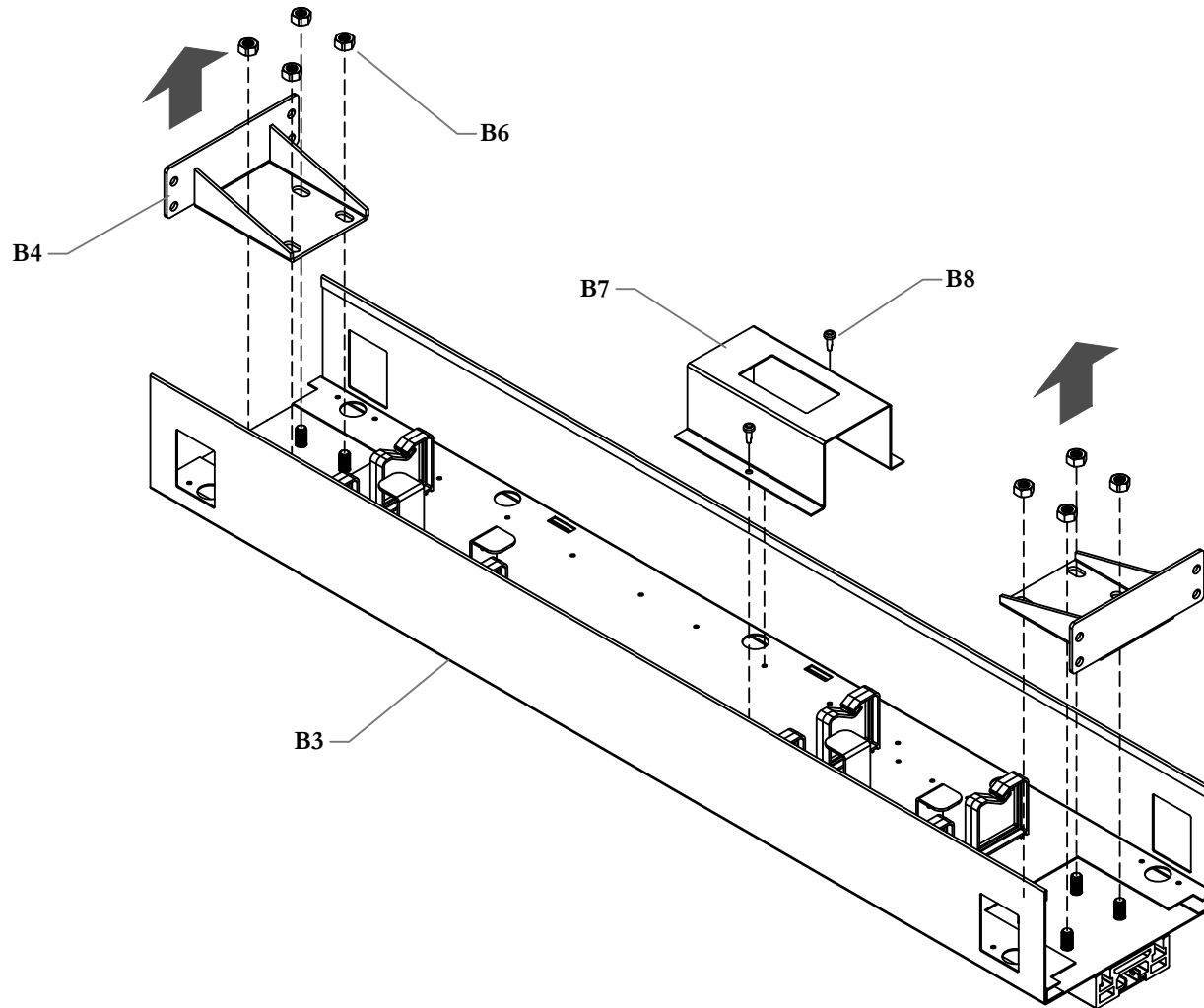
B - (HABFCC) x2

- B1** - Center Rail Extrusion Cap (A23-5200) x1
- B2** - Center Rail Extrusion (A23-5122) x1
- B3** - Cable Channel Assembly (N09-5019) x1
- B4** - Support Bracket - Screen Rail (A16-3009) x2
- B5** - Hex Bolt 5/16 -18x1" Long ZP (E03-0641) x8
- B6** - 5/16-18 Hex Nut, 1/2 A/F, .265 Thick (E01-0755) x8
- B7** - Communication Cover Plate (A16-3127) x1
- B8** - #8-18x1/2" Cross Square COMB. Self (E07-0012) x6 or x10
- B9** - Cable Channel Cover Plate (Single Cable Management only) (A16-3220) x2
- B10** - Hanger (A16-2364) x2
- B11** - Wire Manager Clip (B02-2007) x11
- B12** - 1/4-20x3/4" MACH Screw, Black, Quad, Truss (E01-0113) x8

C - (HABCGMML) x2

- C1** - Side Cover Assembly for Metal Mid Gable (N09-5183)x1 & (N09-5185) x1
or (N09-5184) x1 & (N09-5186) x1
or (N09-5185) x2
or (N09-5186) x2
- C2** - Front Cover Assembly Mid Gable (N09-5182) x2
- C3** - 1/2" Diameter x1/8" Thick Circular Rare Earth Magnet (D03-0059) x4
- C4a** - Top Cover w/Cutout for Metal Mid Gable w/Power Pole (A16-3085) x1
& Top Cover for Metal Mid Gable w/Power Pole (A16-3086) x1
- C4b** - Top Cover for Metal Mid Gable (A16-3025) x2

REMOVE SUPPORT BRACKETS & COMMUNICATION PLATE COVER



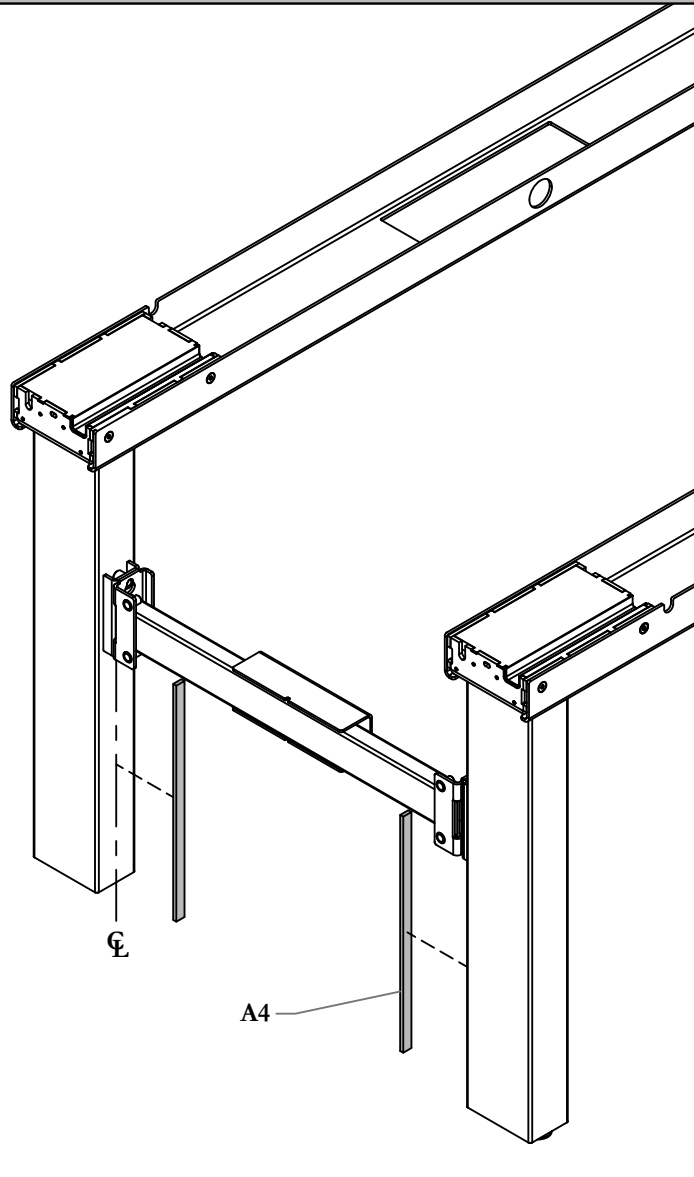
STEP 1: Remove Support Brackets and Communication Plate Cover as shown.

Section: **SCREENS AND GABLES**

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HABL_203a

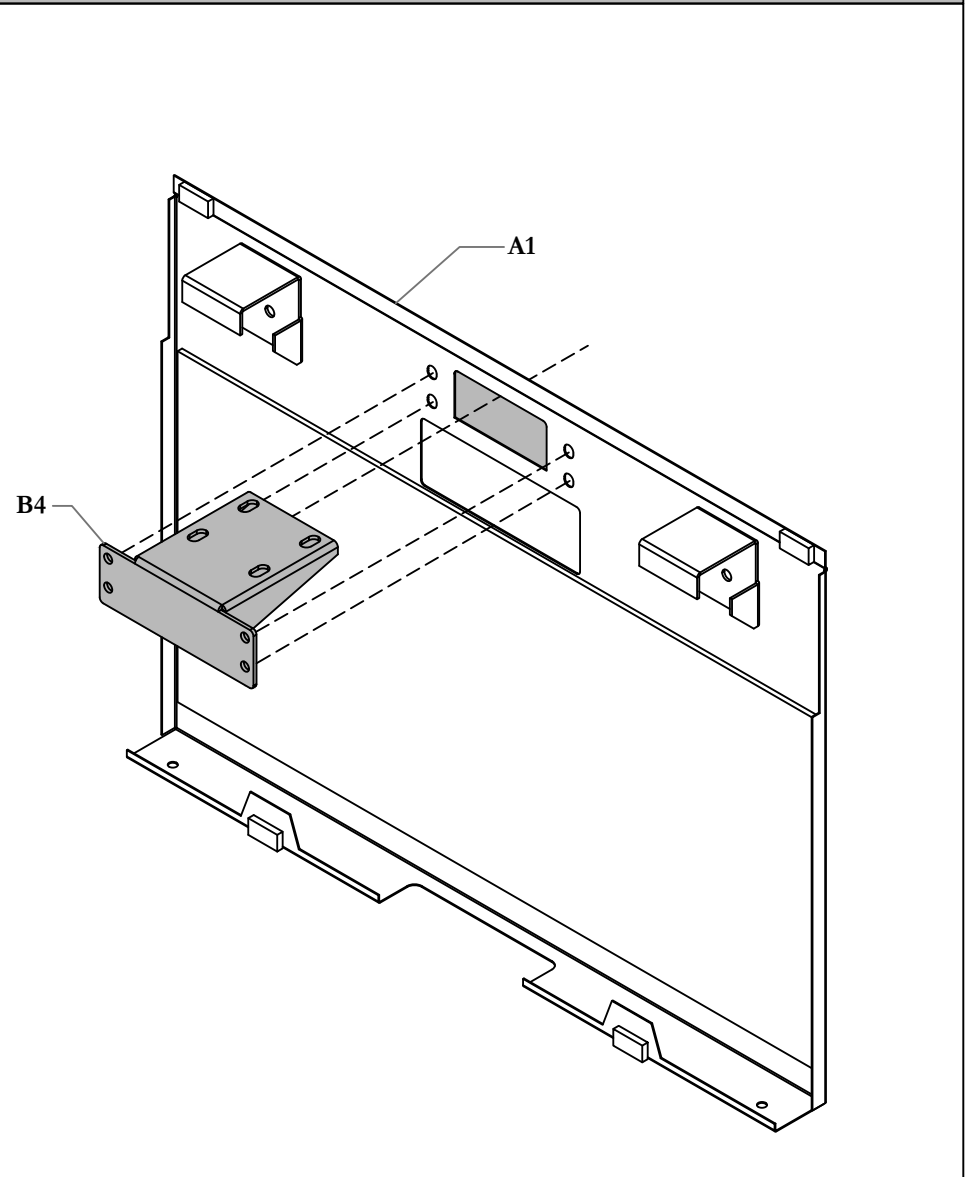
Description: **METAL GABLES & CABLE CHANNEL**

APPLY FOAM RUBBERS



STEP 2: Attach Foam Rubbers onto the center of the Table Legs' inner side.

ATTACH SUPPORT BRACKET

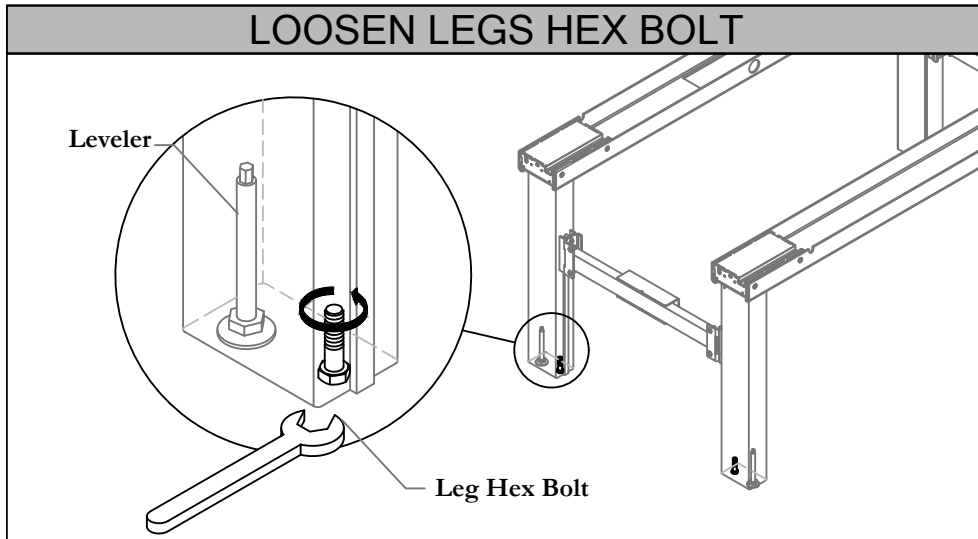


STEP 3: Insert Support Bracket through the cut-out on the Inside Cover Assembly as shown.

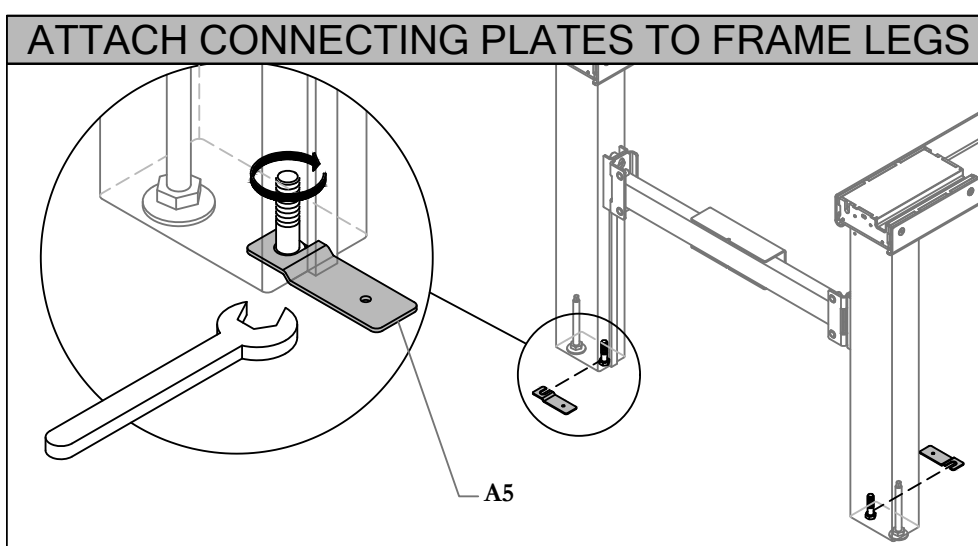
height-adjustable bench *Installation Guides*

Section: **SCREENS AND GABLES**

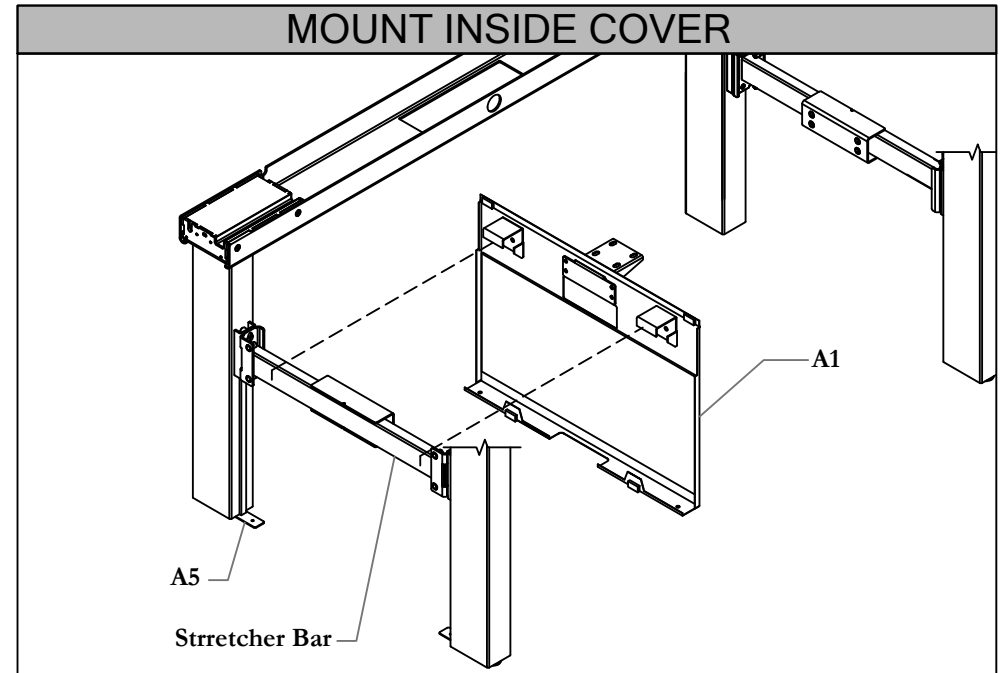
Description: **METAL GABLES & CABLE CHANNEL**



STEP 4: Loosen Legs Hex Bolt to allow enough room for Gable Connecting Plate.



STEP 5: Fasten Gable Connecting Plates to Frame Legs.



STEP 6: Mount Inside Cover Assembly onto Frame Stretcher Bar

height-adjustable bench *Installation Guides*

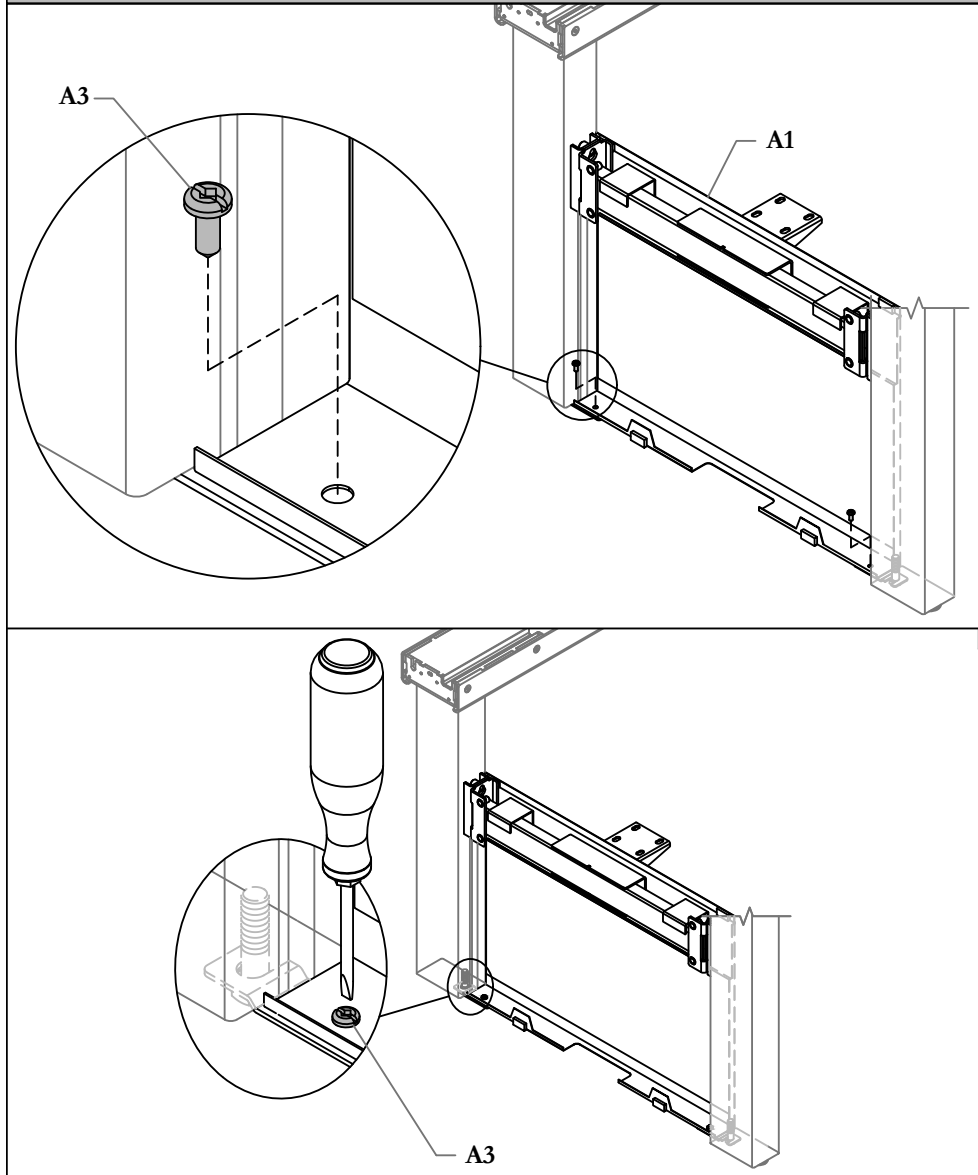
tekunion

Section: **SCREENS AND GABLES**

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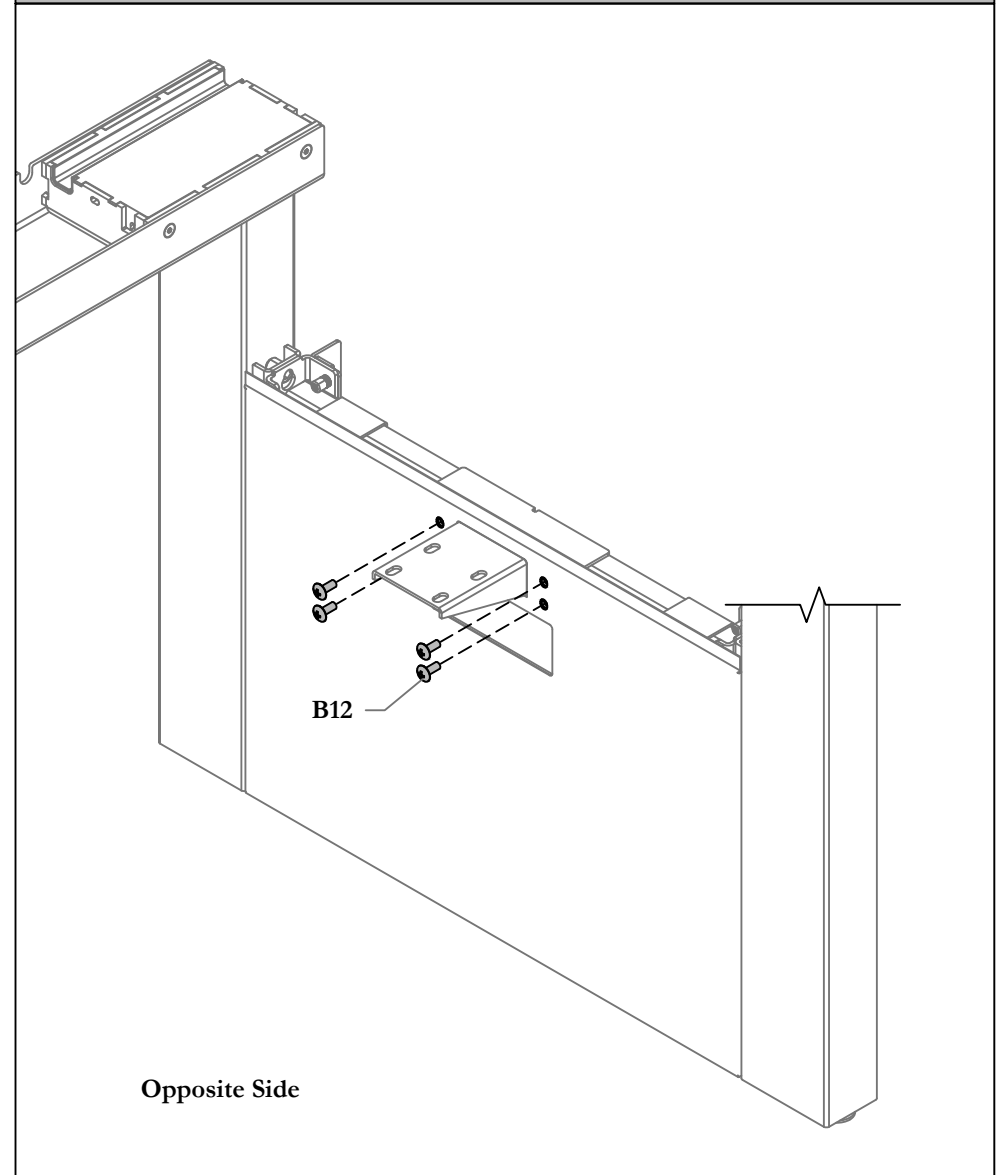
Description: **METAL GABLES & CABLE CHANNEL**

FASTEN INSIDE COVER IN PLACE



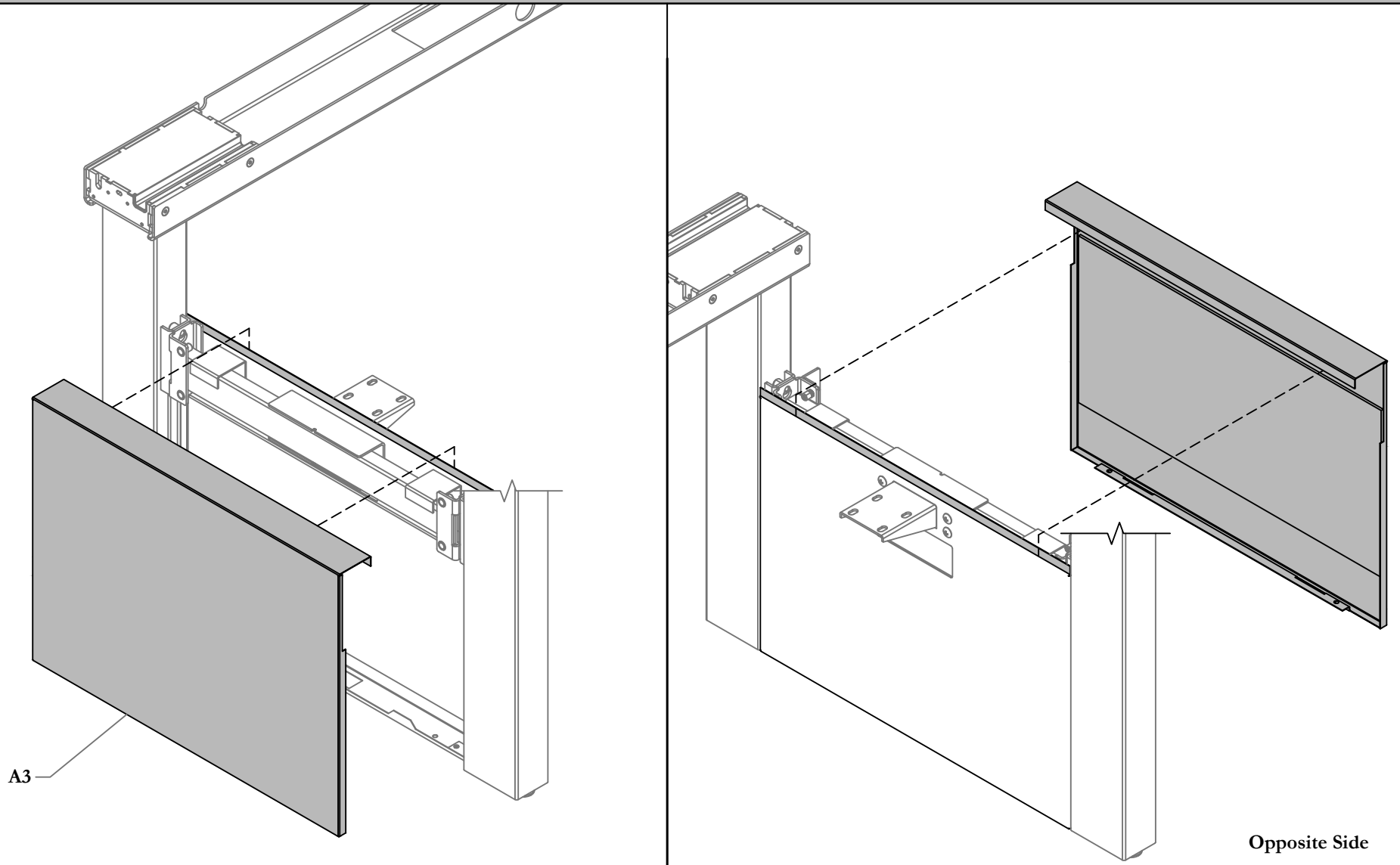
STEP 7: Make sure the face of the Inside Cover Assembly is flush with the Leg. Secure Inside Cover Assembly to Gable Connecting Plate on both sides using Tap Quad Pan screws provided.

SECURE INSIDE COVER ASSEMBLY TO FRAME



STEP 8: Secure Inside Cover Assembly to Stretcher Bar with Bolts.

MOUNT OUTSIDE COVER ASSEMBLY



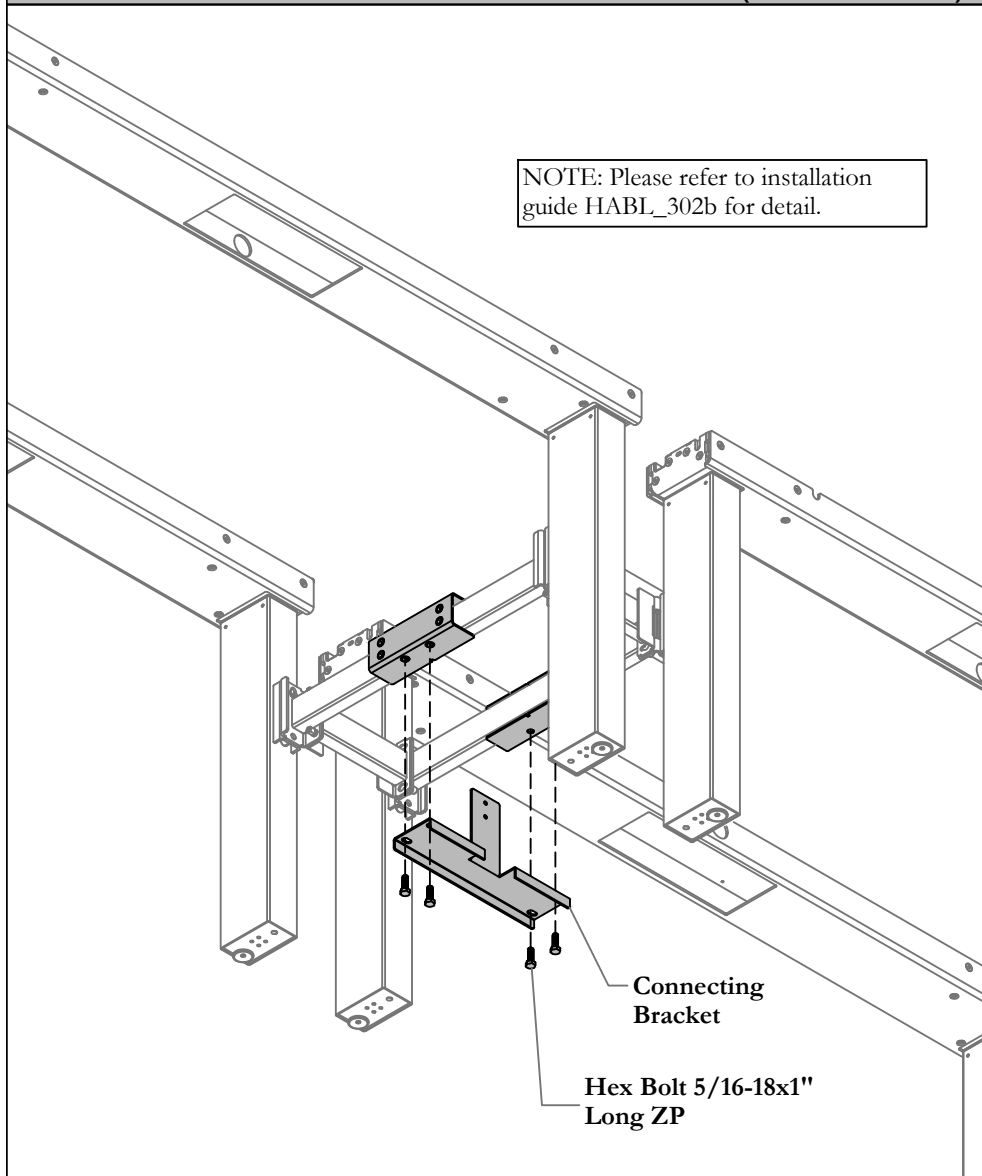
STEP 9: Mount Outside Cover Assembly to the highlighted part of the Inside Cover Assembly as shown.

Section: **SCREENS AND GABLES**

Date: May 2017 Page No: 7 of 16
HABL_203a

Description: **METAL GABLES & CABLE CHANNEL**

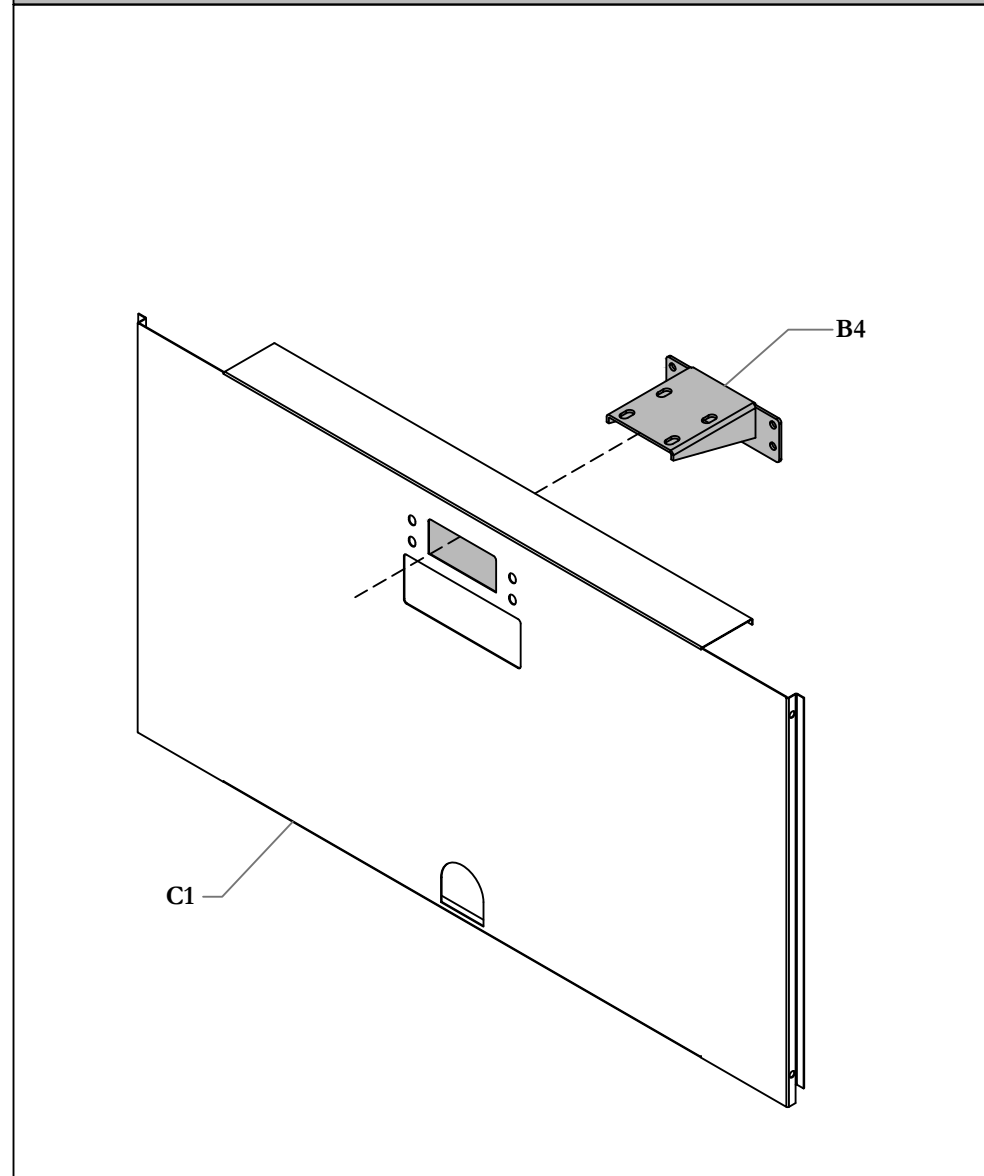
MID POWER POLE SUPPORT PLATE (OPTIONAL)



Optional: If Mid Power Pole is specified. Please fasten Connecting Bracket to the underside of the Stretcher Bars as shown.

NOTE: Please refer to installation guide HABL_302b for detail.

ATTACH SUPPORT BRACKET



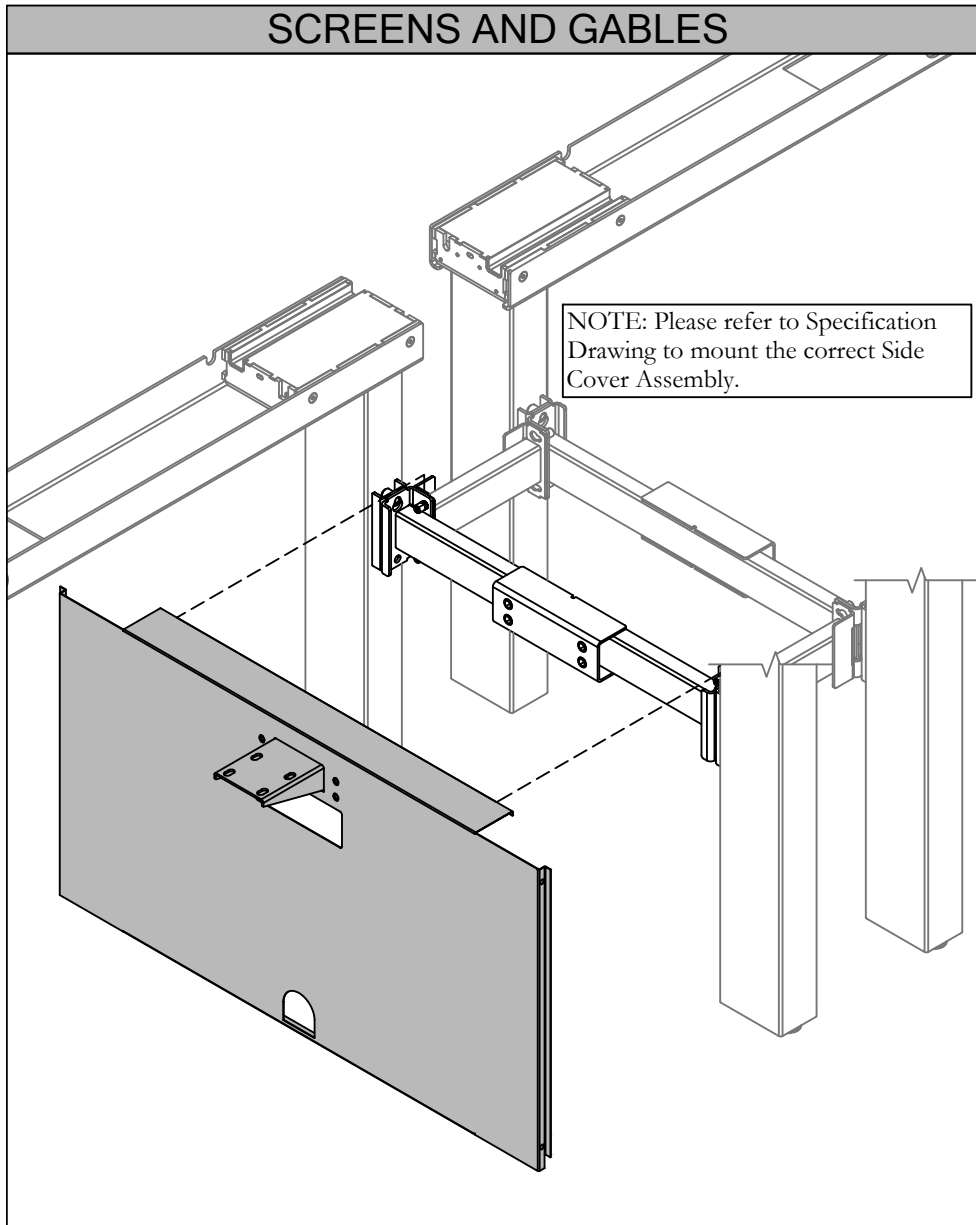
STEP 10: Insert Support Bracket through the cut-out on the Side Cover Assembly.

Section: **SCREENS AND GABLES**

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HABL_203a

Description: **METAL GABLES & CABLE CHANNEL**

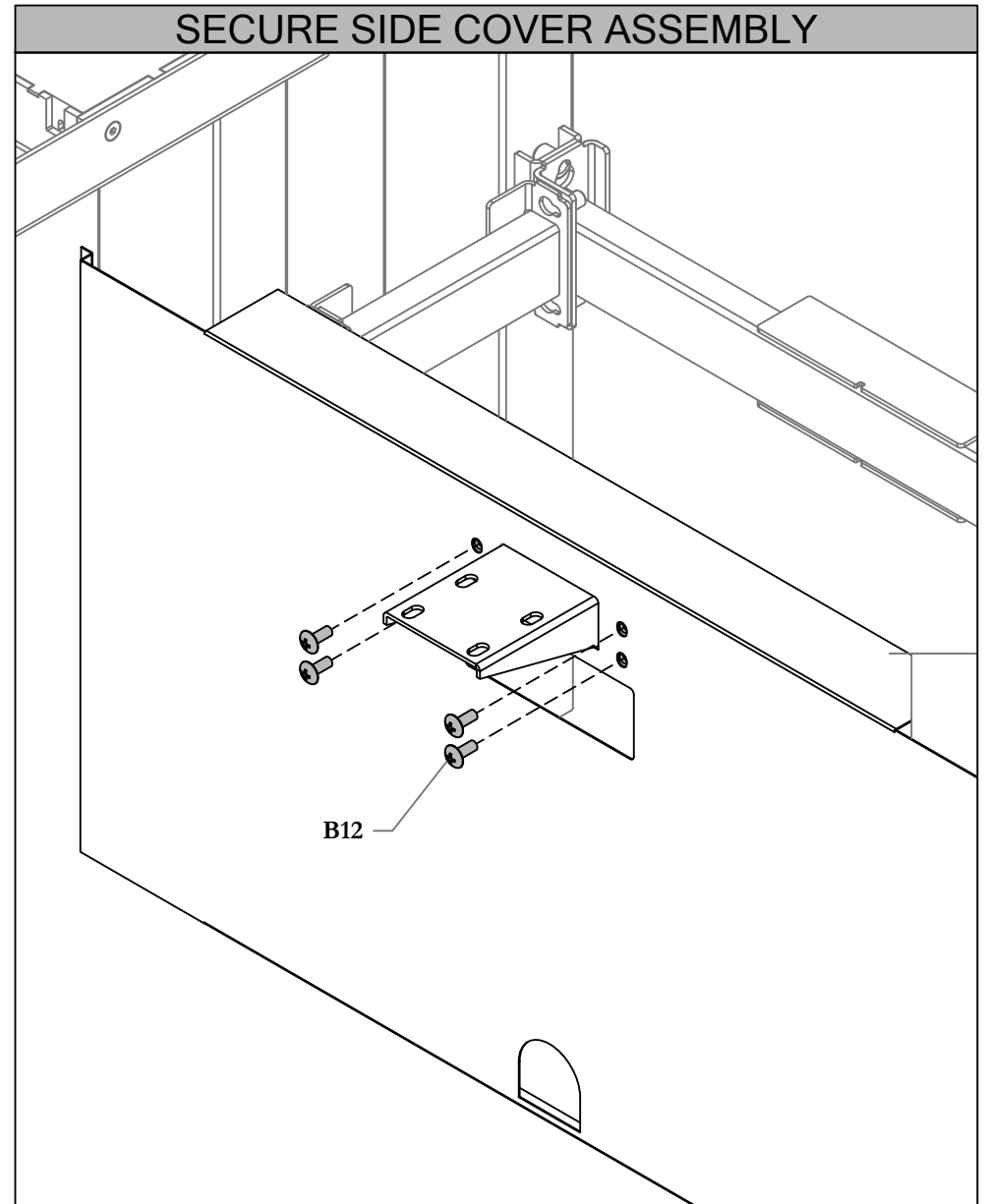
SCREENS AND GABLES



STEP 11: Mount Side Cover Assembly onto the Stretcher Bar as shown.

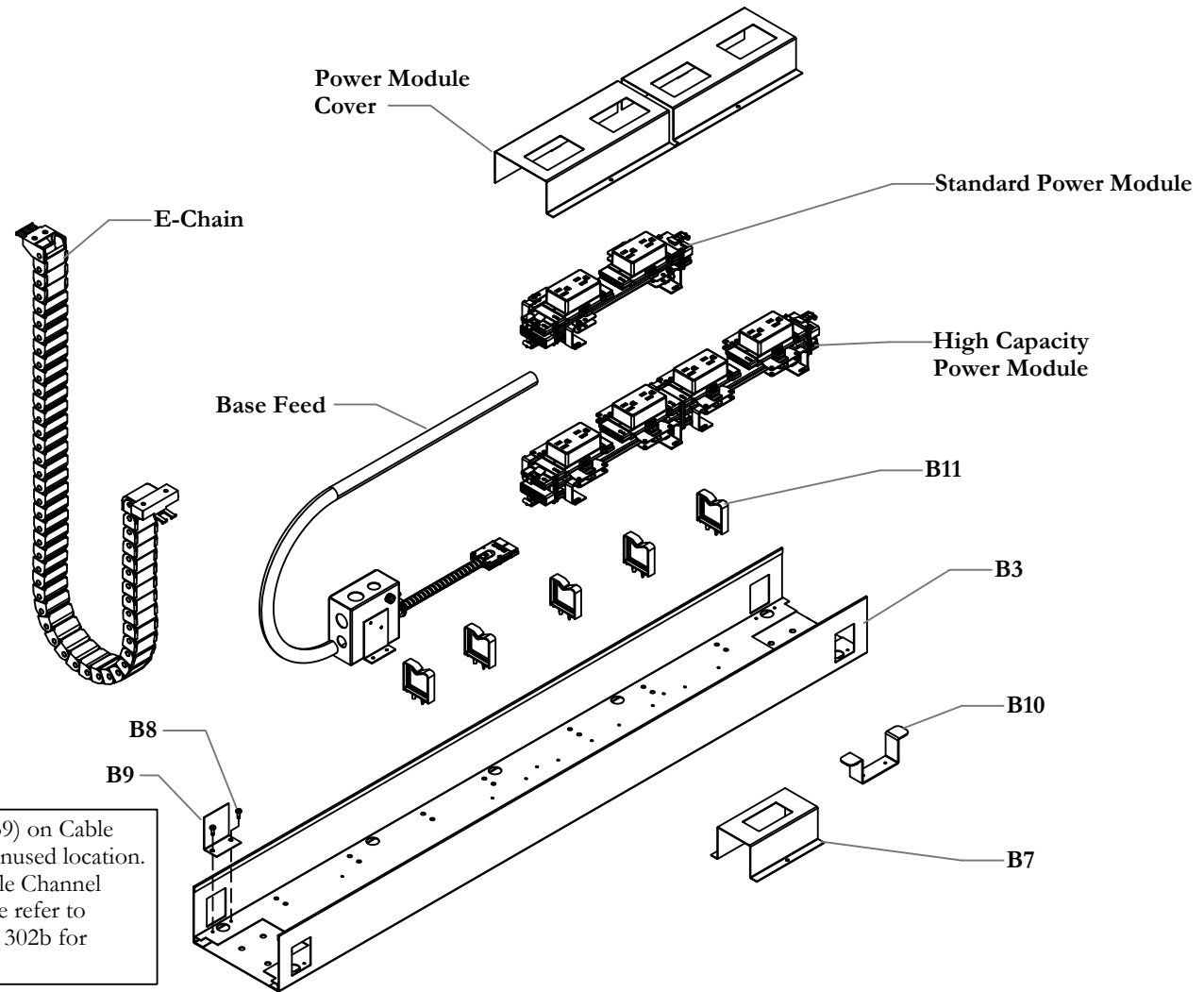
NOTE: Please refer to Specification Drawing to mount the correct Side Cover Assembly.

SECURE SIDE COVER ASSEMBLY



STEP 12: Secure Side Cover Assembly with Stretcher Bar with Bolts.

CABLE CHANNEL ASSEMBLY



NOTE: Install Cable Channel Cover Plate(B9) on Cable Channel where E-Chain is not specified or unused location. Electric components to be installed on Cable Channel before connecting to Support Bracket. Please refer to Installation Guide 301a, 301b, 301c, 302a or 302b for corresponding Electric installation.

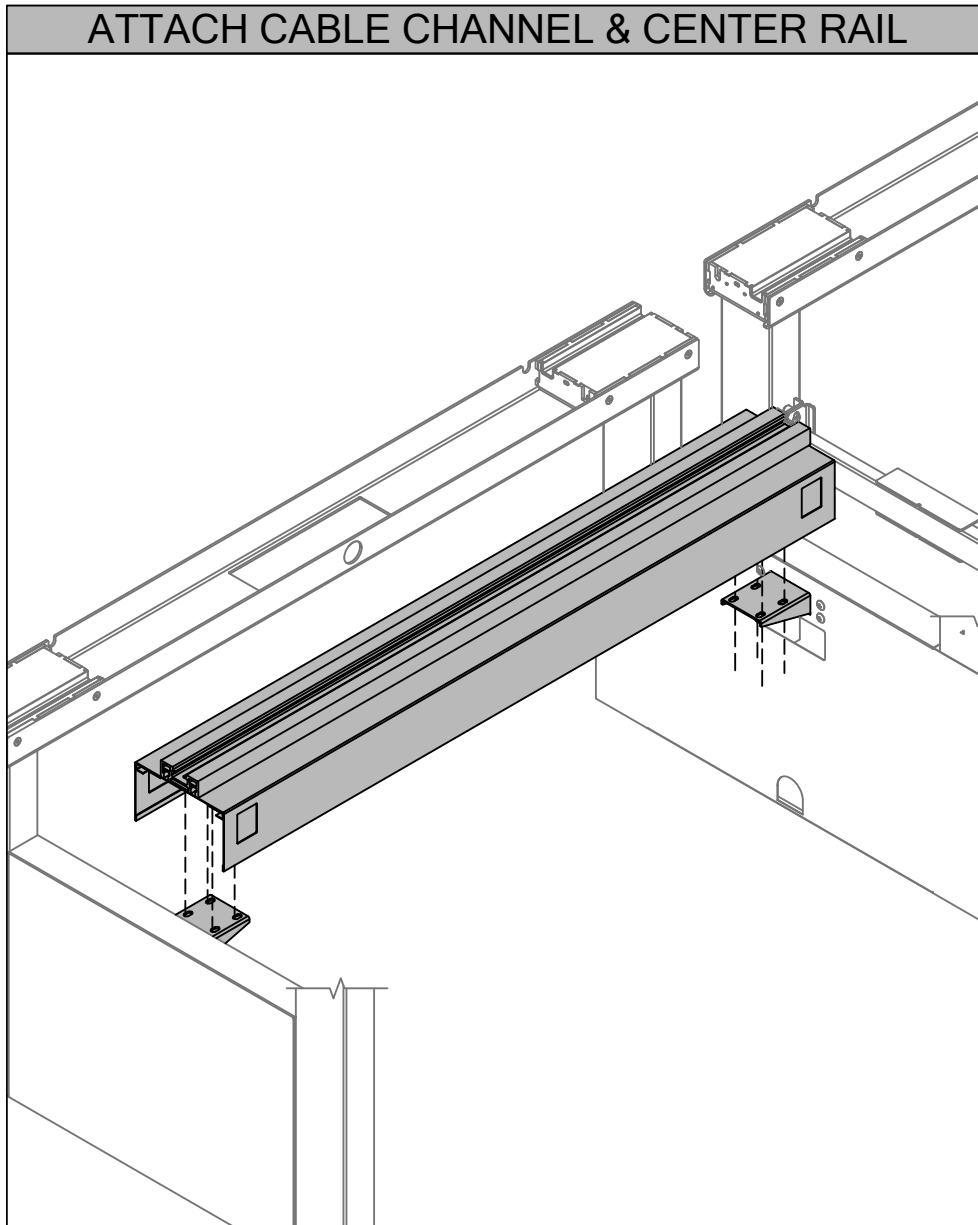
NOTE: Electric components to be installed on Cable Channel before connecting to Support Bracket. Please refer to Installation Guide 301a, 301b, 301c,302a or 302b for corresponding Electric installation.

Section: **SCREENS AND GABLES**

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HABL_203a

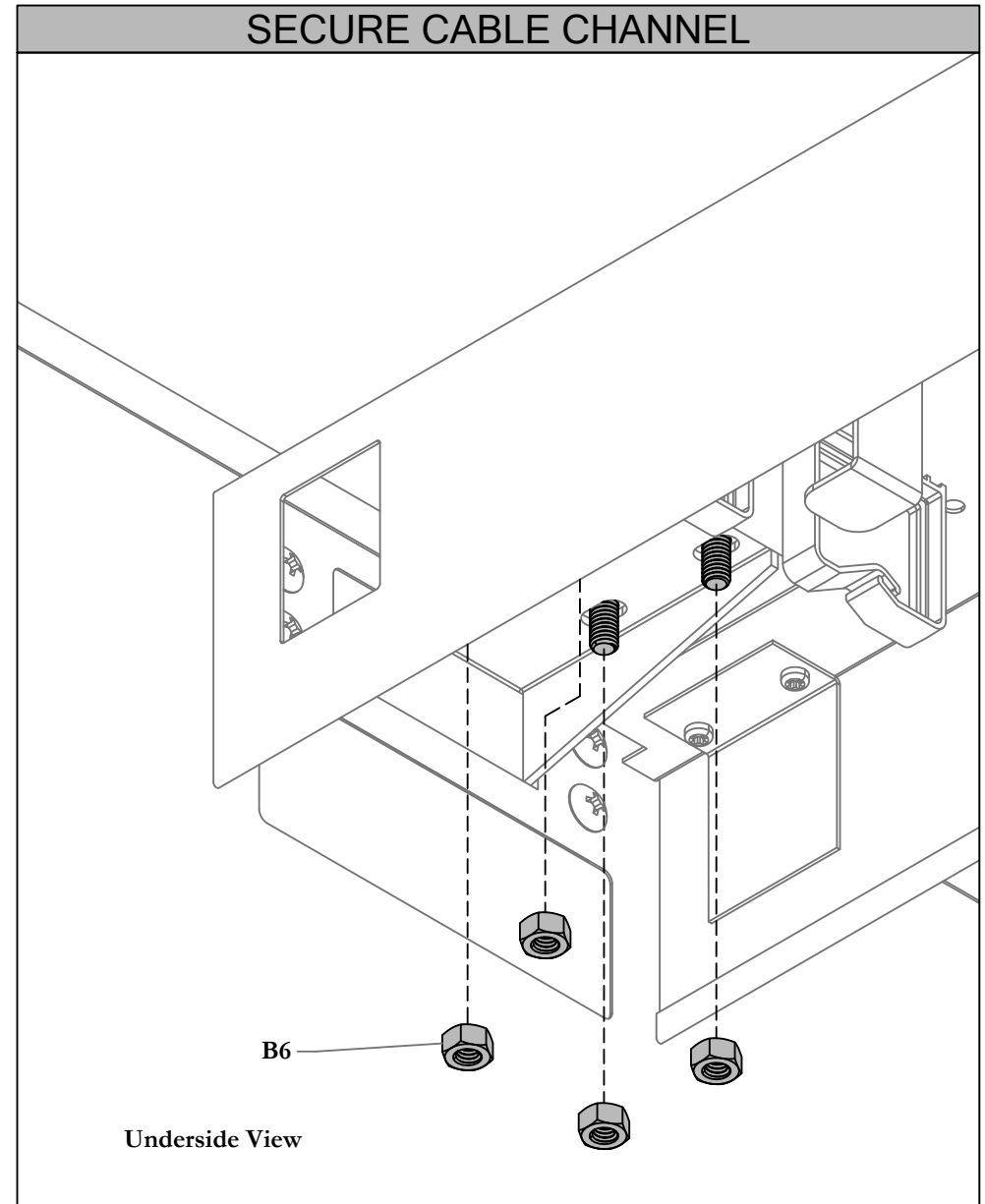
Description: **METAL GABLES & CABLE CHANNEL**

ATTACH CABLE CHANNEL & CENTER RAIL



STEP 13: Align holes on Support Brackets, Cable Channel Assembly. Insert Bolts inside Center Rail Extrusion through Cable Channel Assembly and Brackets as shown.

SECURE CABLE CHANNEL



Underside View

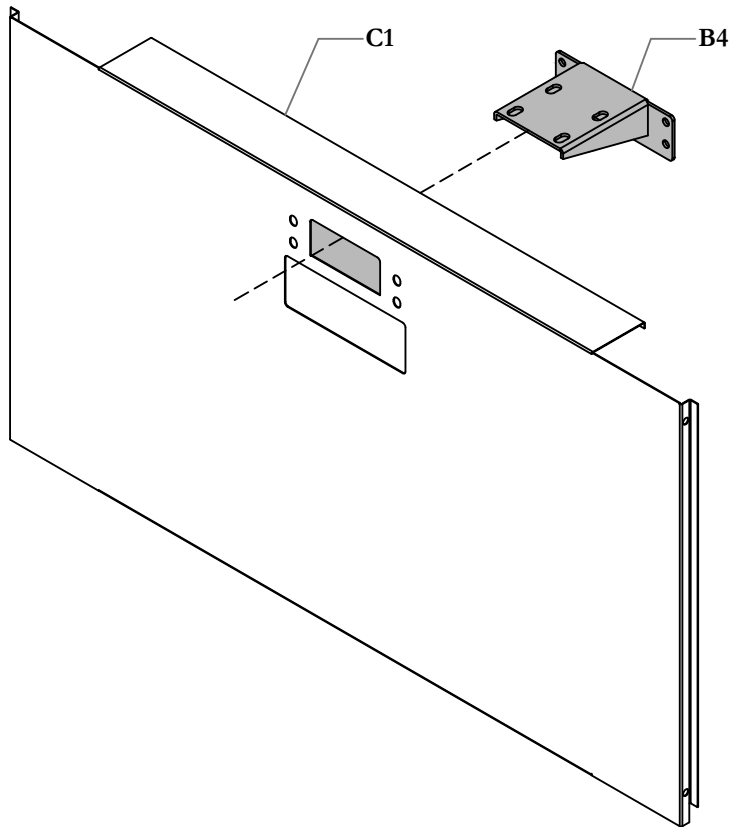
STEP 14: Secure Cable Channel in place with Nuts.

Section: **SCREENS AND GABLES**

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HABL_203a

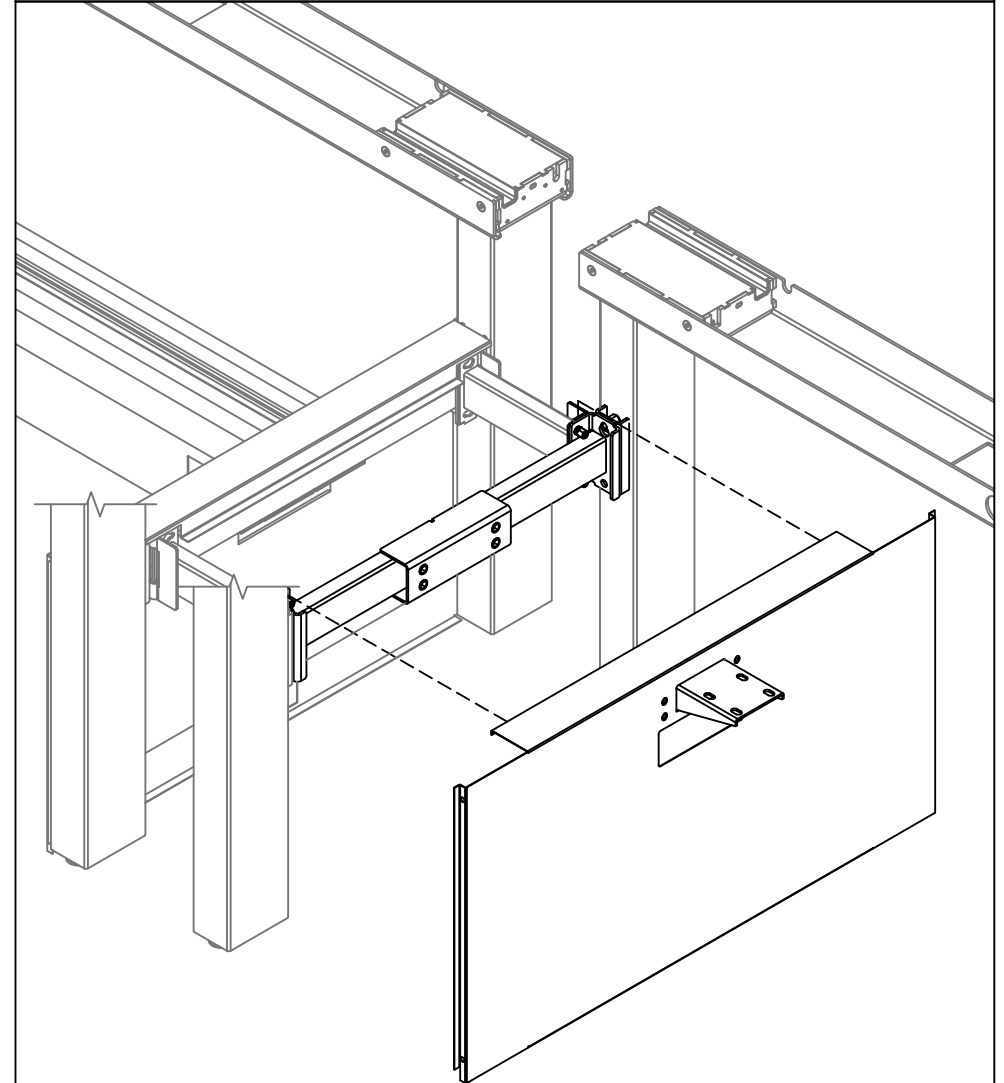
Description: **METAL GABLES & CABLE CHANNEL**

ATTACH SUPPORT BRACKET



STEP 15: Insert Support Bracket through the cut-out on the Side Cover Assembly.

MOUNT SIDE COVER ASSEMBLY

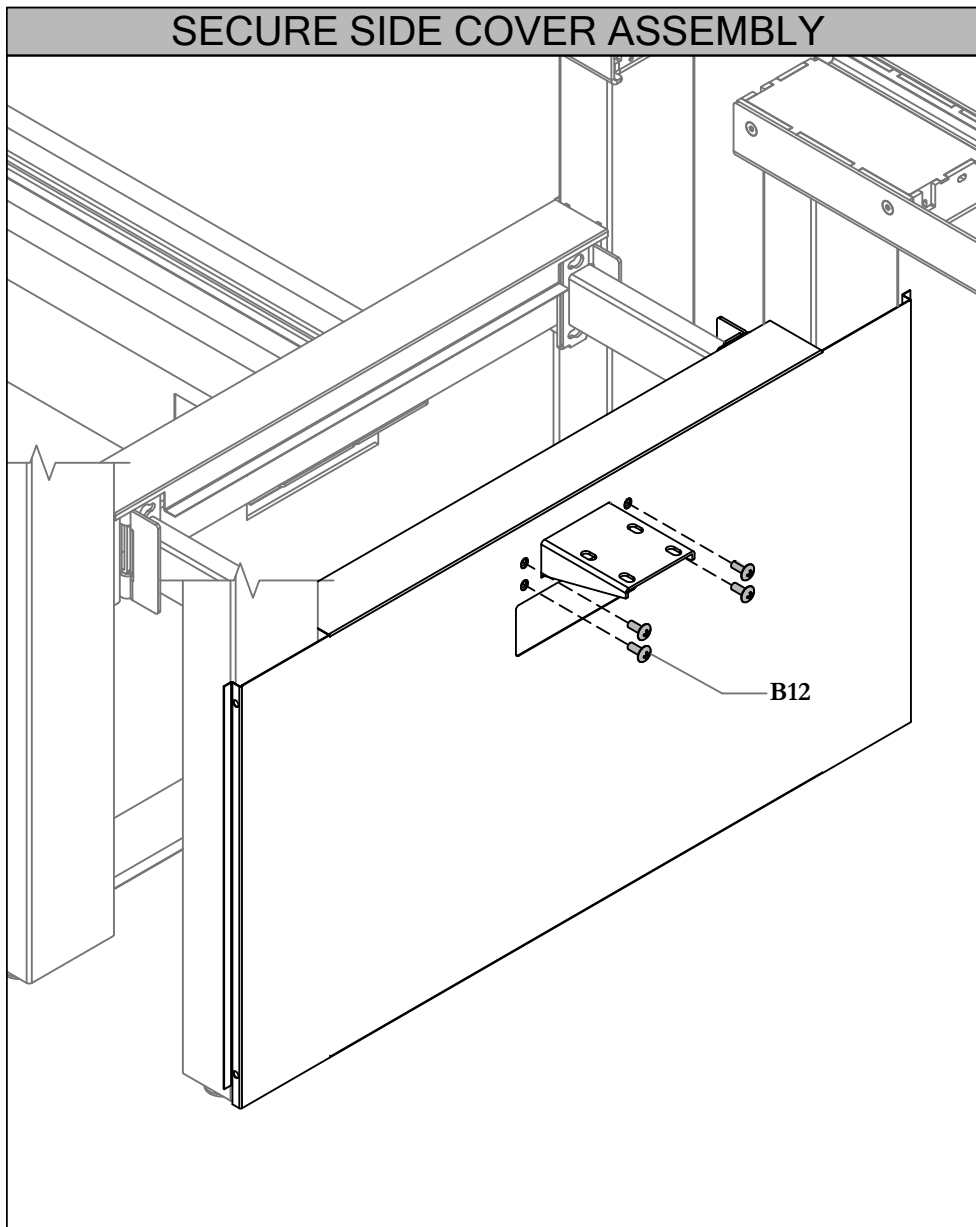


STEP 16: Mount Side Cover Assembly onto the Stretcher Bar as shown.

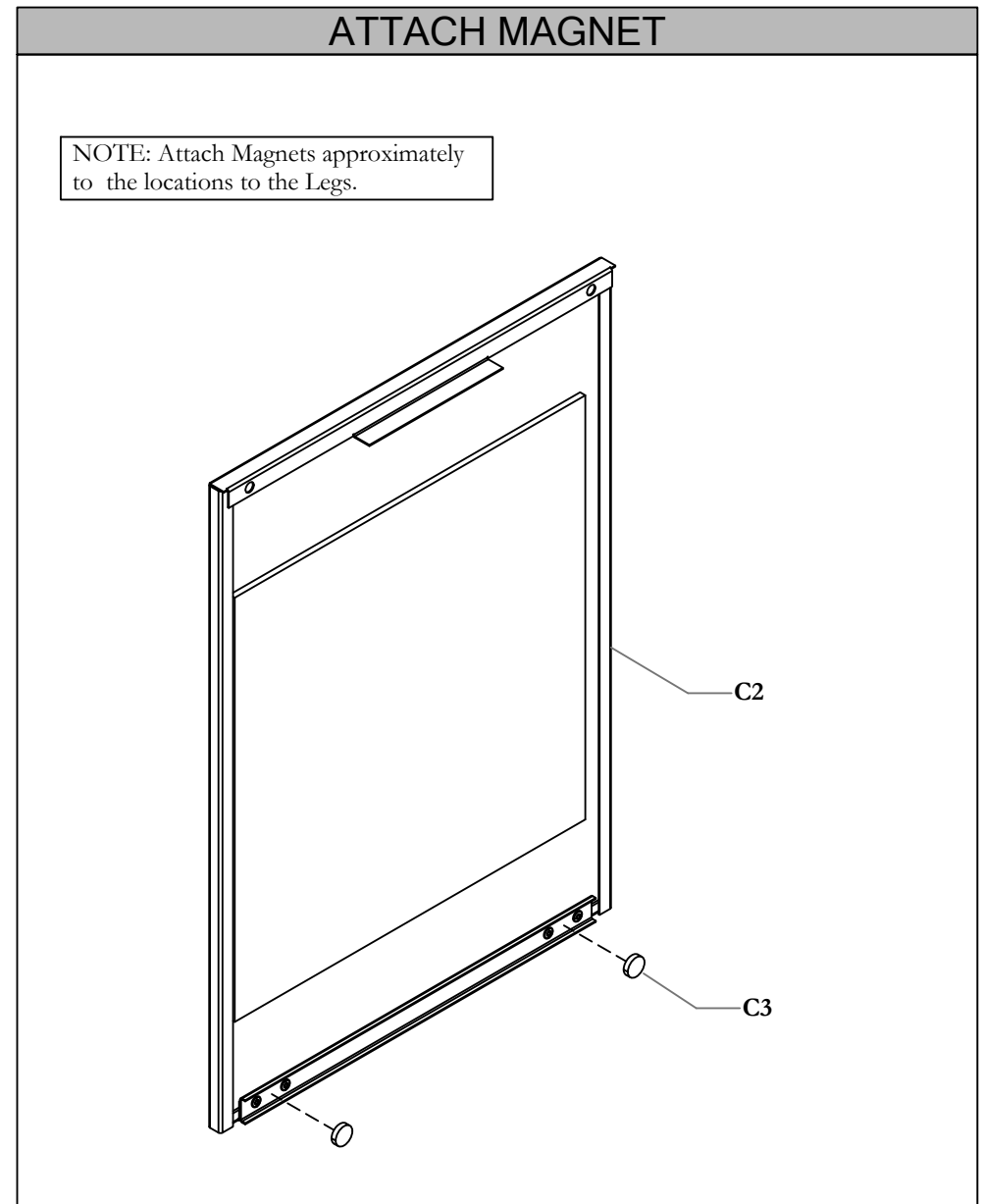
Section: **SCREENS AND GABLES**

Description: **METAL GABLES & CABLE CHANNEL**

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HABL_203a



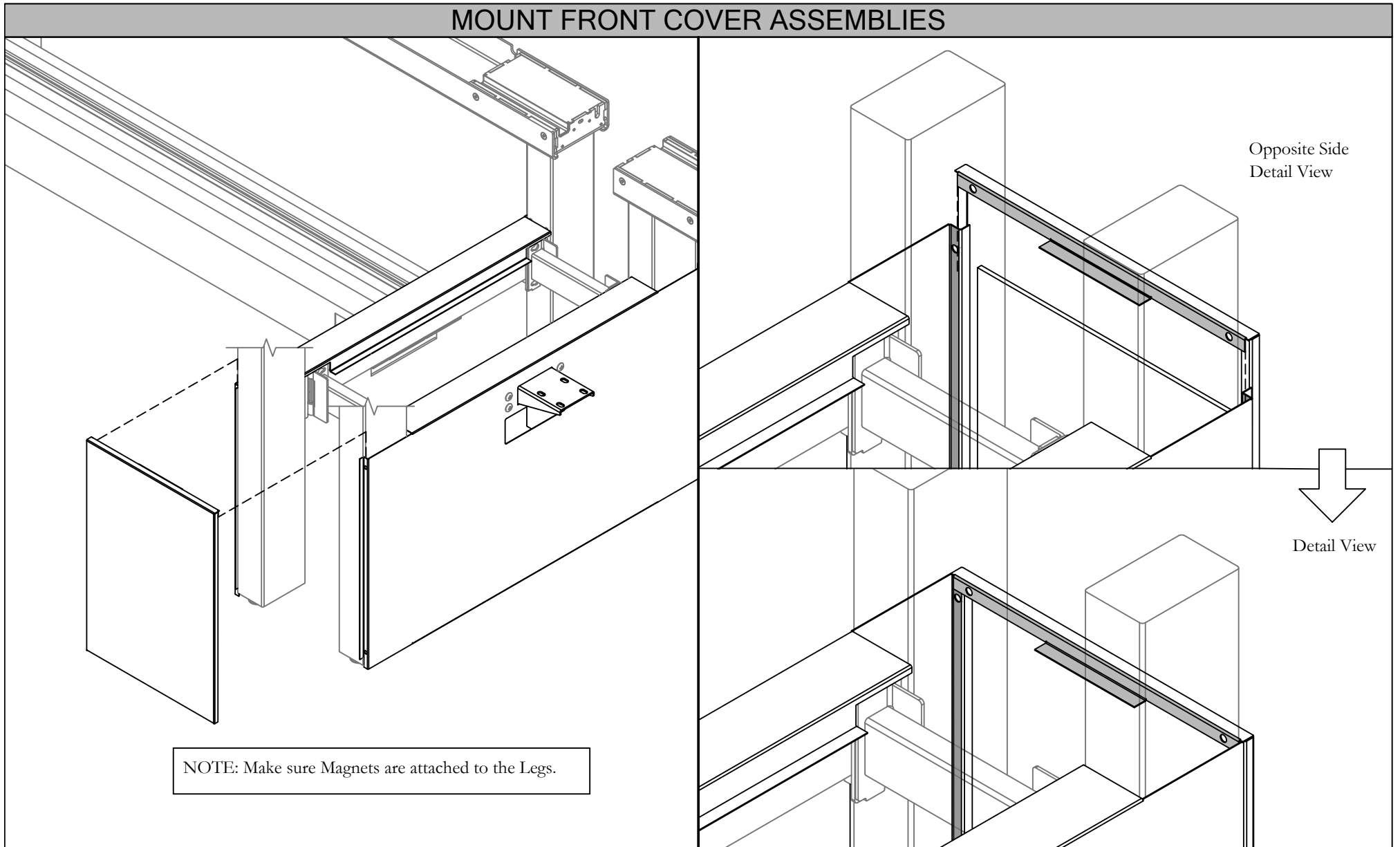
STEP 17: Secure Side Cover Assembly with Stretcher Bar with Bolts.



STEP 18: Attach Magnets to the inside of the Front Covers as shown.

NOTE: Attach Magnets approximately to the locations to the Legs.

MOUNT FRONT COVER ASSEMBLIES



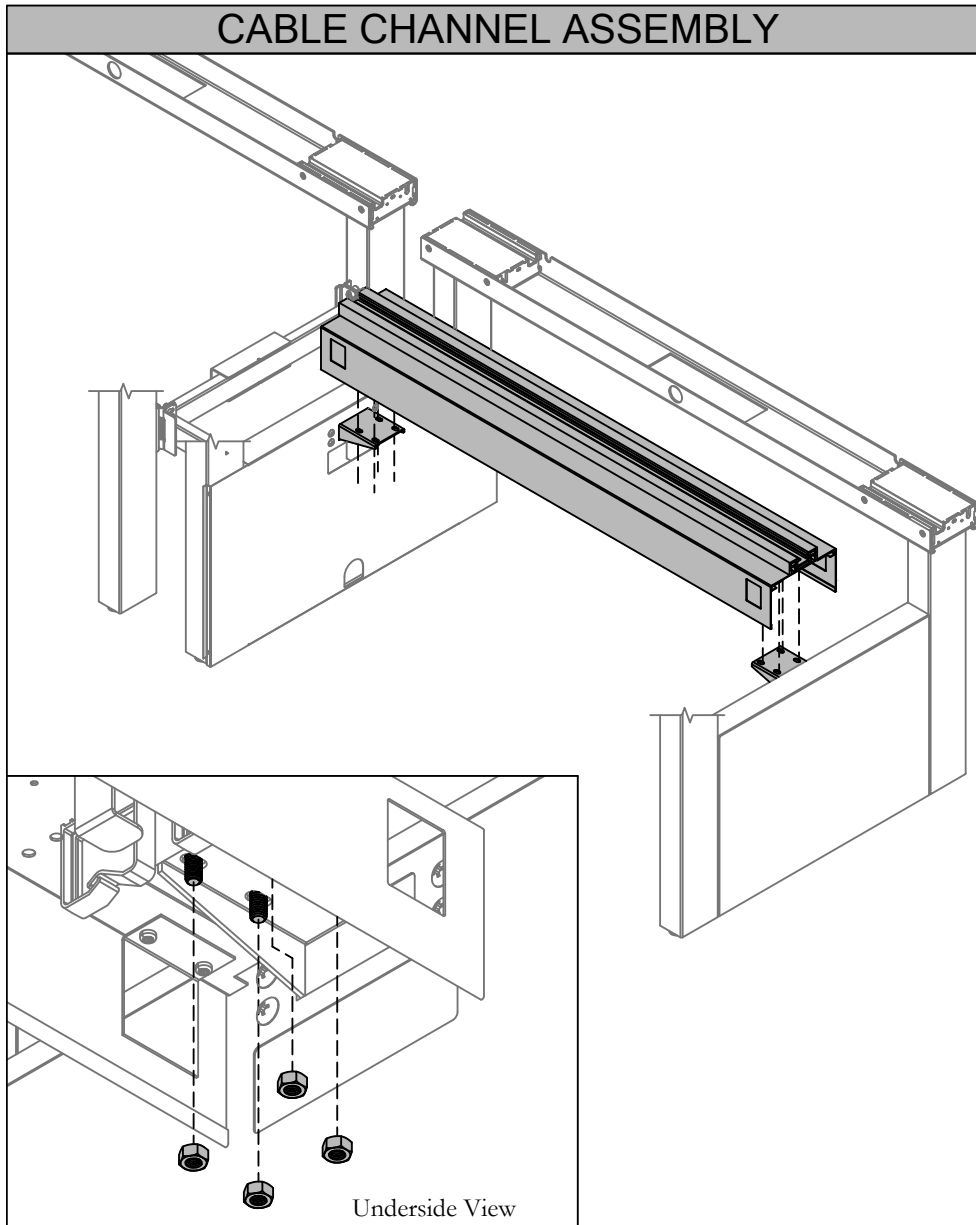
STEP 19: Mount Front Covers onto the Side Covers as shown in Detail View.

NOTE: Make sure Magnets are attached to the Legs.

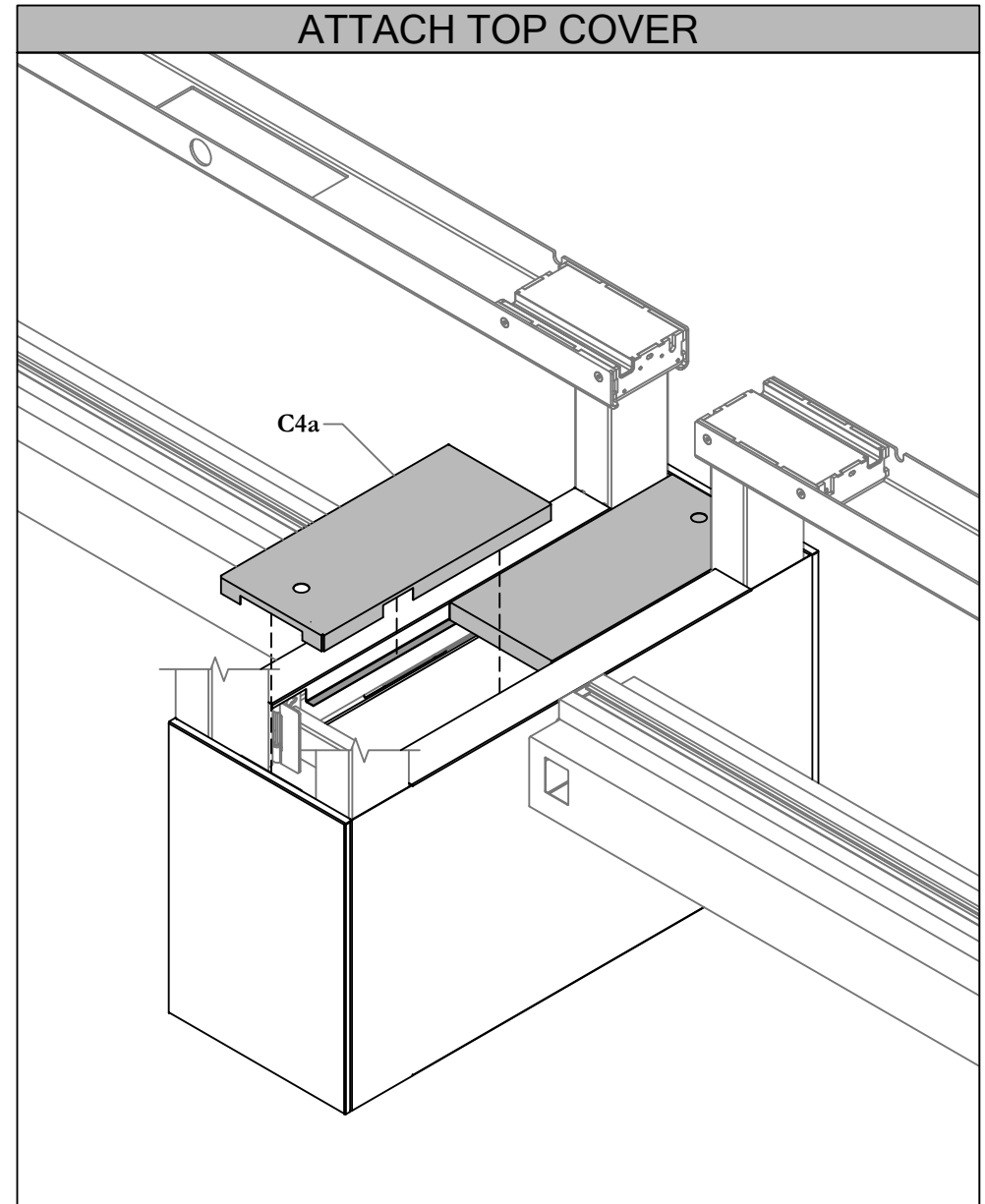
Section: **SCREENS AND GABLES**

Date: May 2017 Page No: 14 of 16
HABL_203a

Description: **METAL GABLES & CABLE CHANNEL**

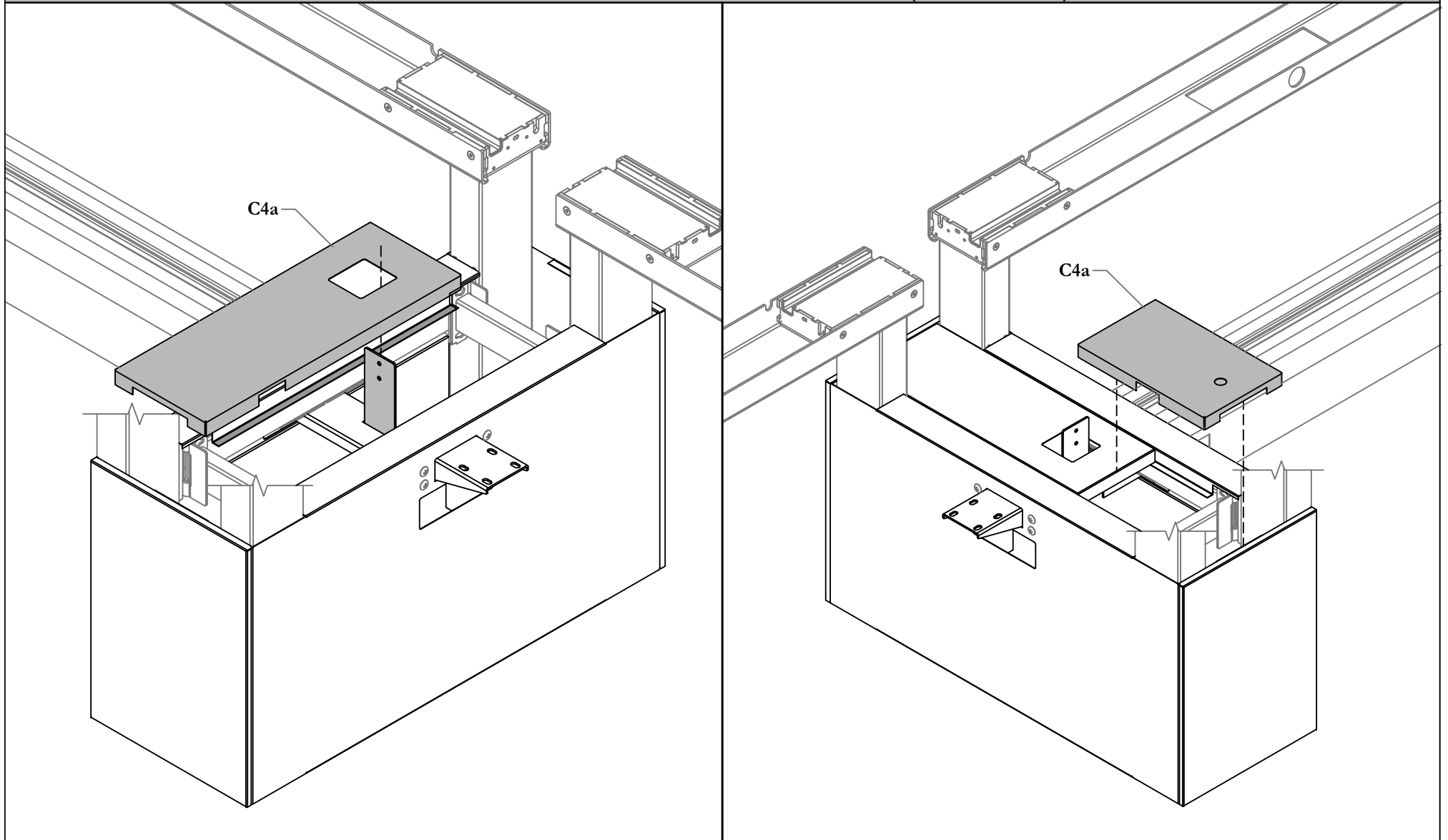


STEP 20: Align holes on Support Brackets, Cable Channel Assembly. Insert Bolts inside Center Rail Extrusion through Cable Channel Assembly and Brackets as shown. Secure Cable Channel in place with Nuts.



STEP 21: Attach Top Covers onto the highlighted extrusions on the Side and Front Cover Assemblies.

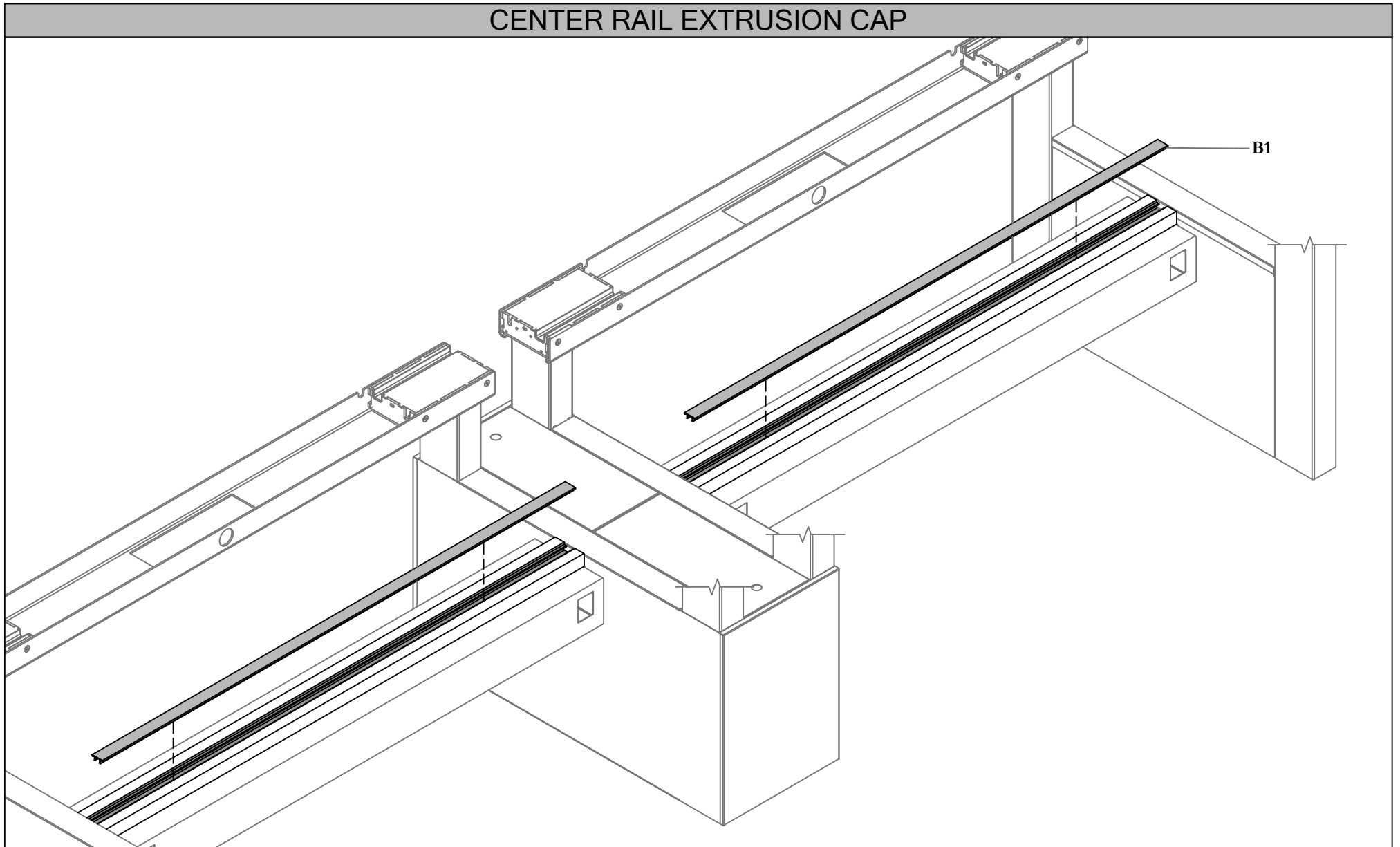
TOP COVER w/POWER POLE CUTOUT (OPTIONAL)



STEP 22: If Mid Gable Power Pole is specified. Attach Top Covers onto the highlighted extrusions on the Side and Front Cover Assemblies as shown.

Repeat Step 1-14 to install End Gable and Cable Channel on another side of the Table.

CENTER RAIL EXTRUSION CAP



STEP 23: Insert Center Rail Extrusion Caps onto Center Rail Extrusions as shown.

height-adjustable bench *Installation Guides*

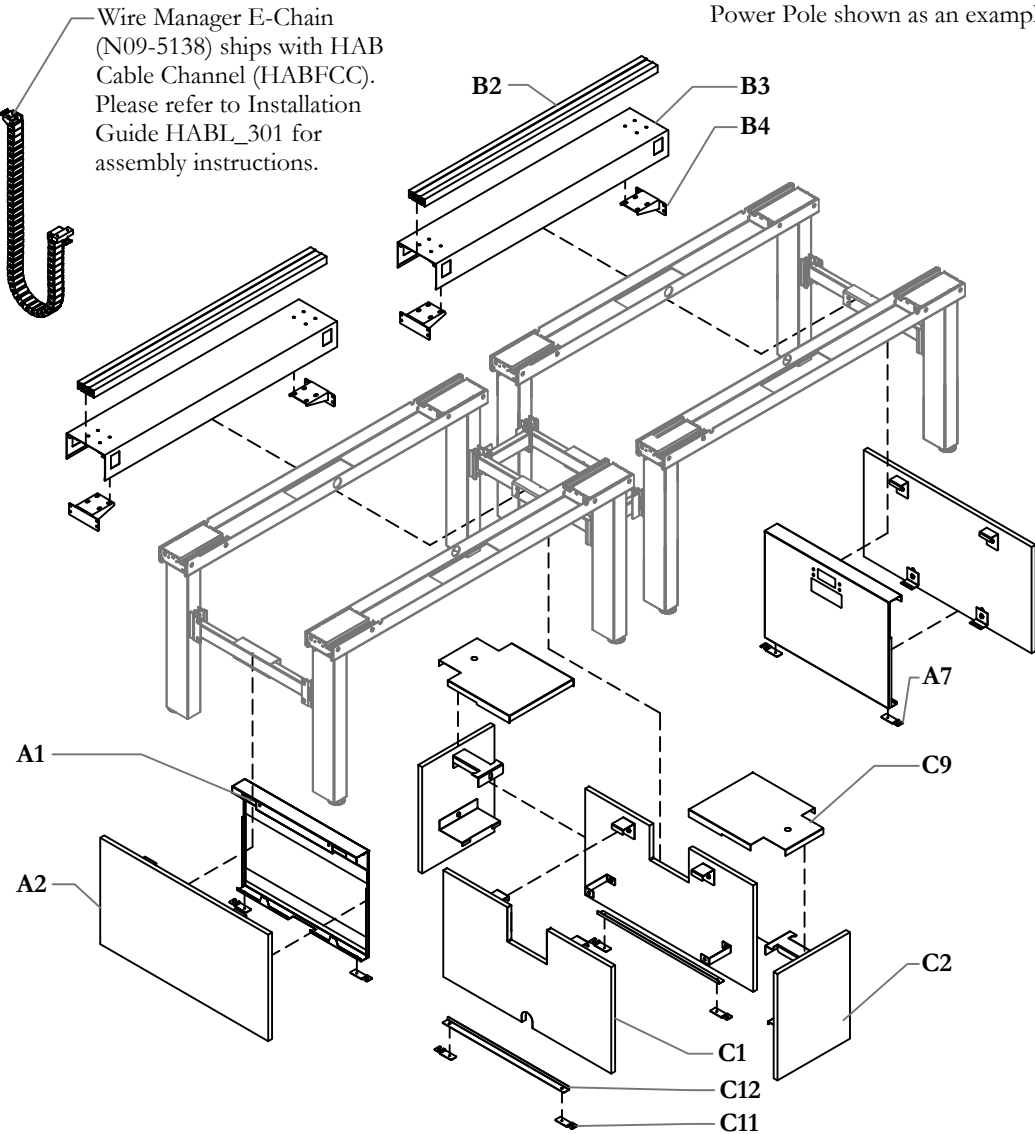
Section: SCREENS AND GABLES

Description: SOLID GABLES & CABLE CHANNEL

HAB End Gable-Solid (HABCGESL), HAB Cable Channel (HABFCC) & HAB Mid Gable-Solid (HABCGMSL)

Wire Manager E-Chain (N09-5138) ships with HAB Cable Channel (HABFCC). Please refer to Installation Guide HABL_301 for assembly instructions.

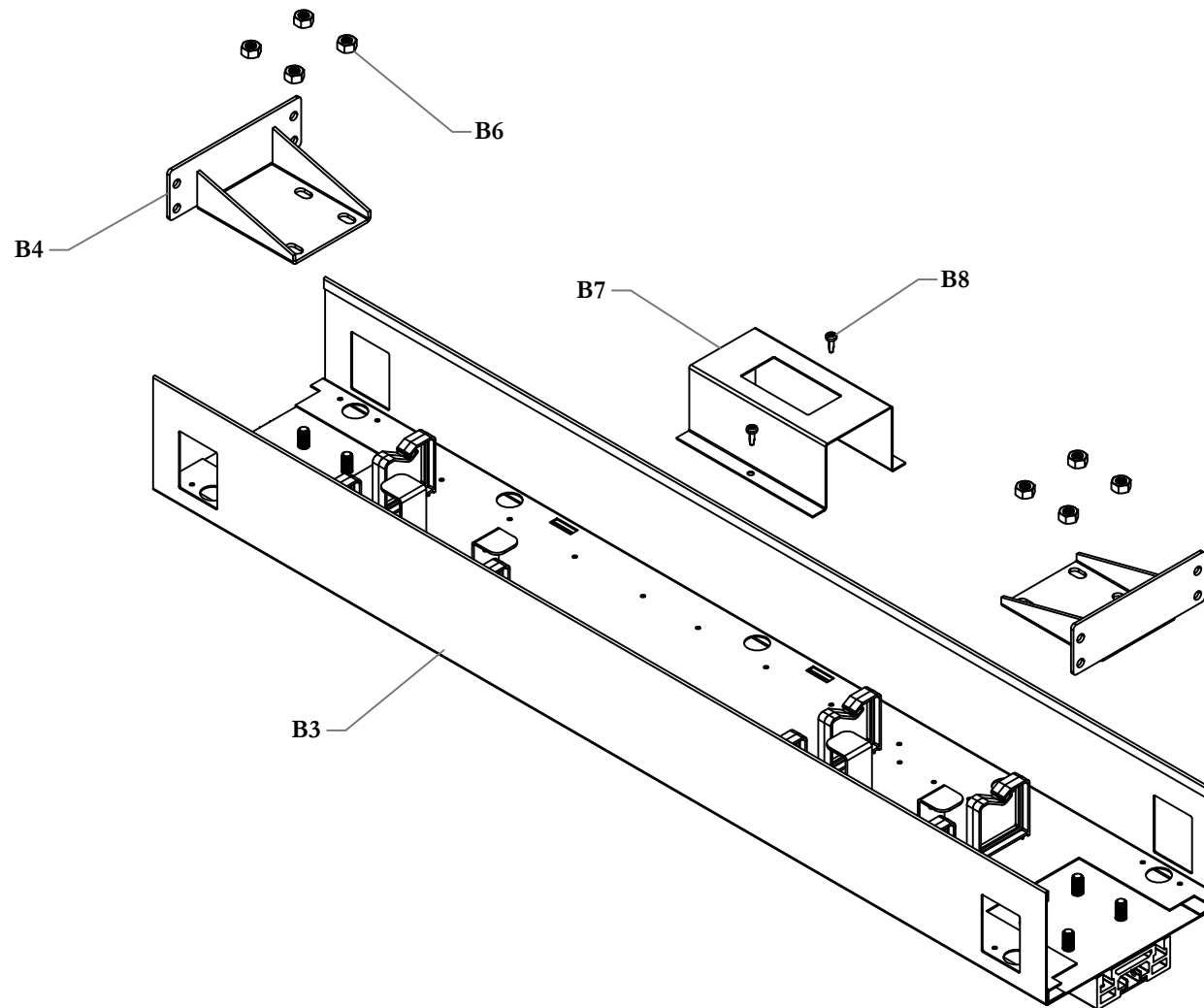
NOTE: Mid Gable Without Power Pole shown as an example.



Part and Product Identification

A - (HABCGESL) x2				
B - (HABFCC) x2				
C - (HABCGMSL) x1				

REMOVE SUPPORT BRACKETS AND COMMUNICATION PLATE COVER



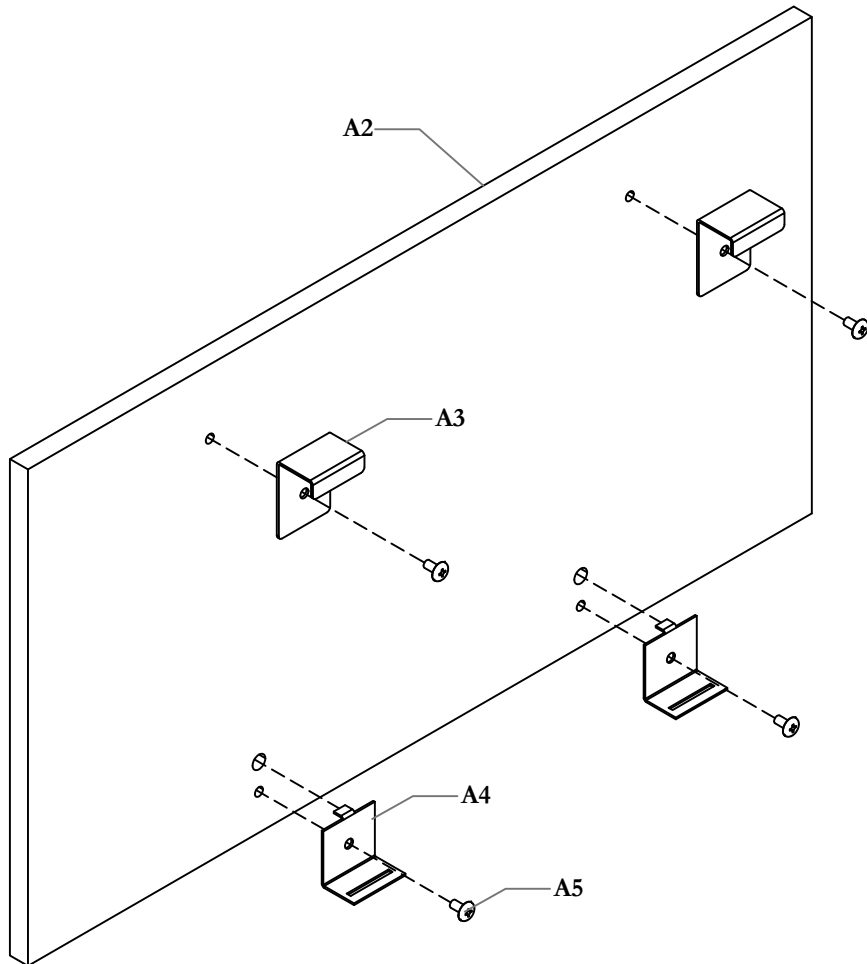
STEP 1: Remove Support Brackets and Communication Plate Cover as shown.

Section: **SCREENS AND GABLES**

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HABL_203b

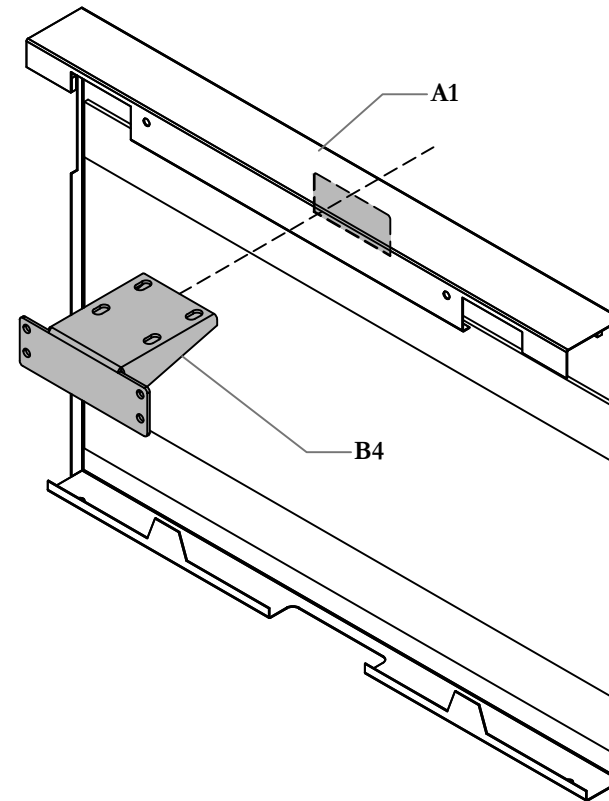
Description: **SOLID GABLES & CABLE CHANNEL**

ATTACH SUPPORT BRACKET



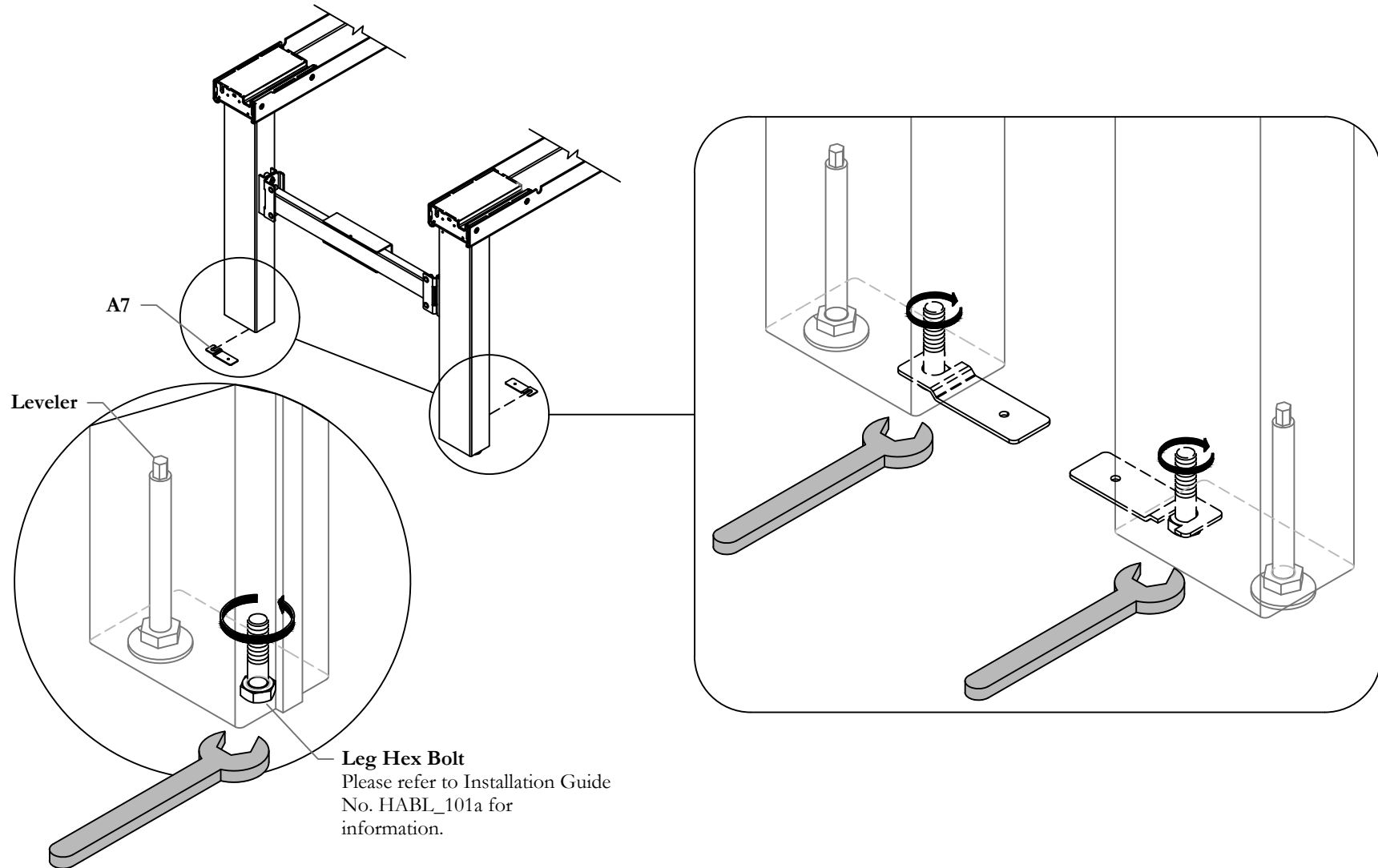
STEP 2: Fasten Brackets to Outside Cover Assembly.

APPLY FOAM RUBBERS



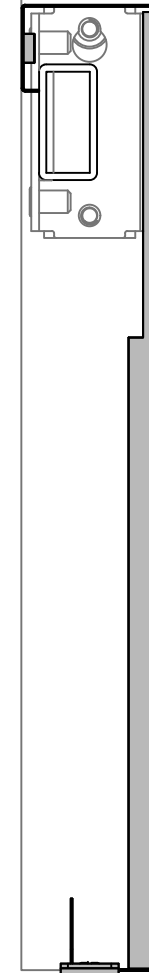
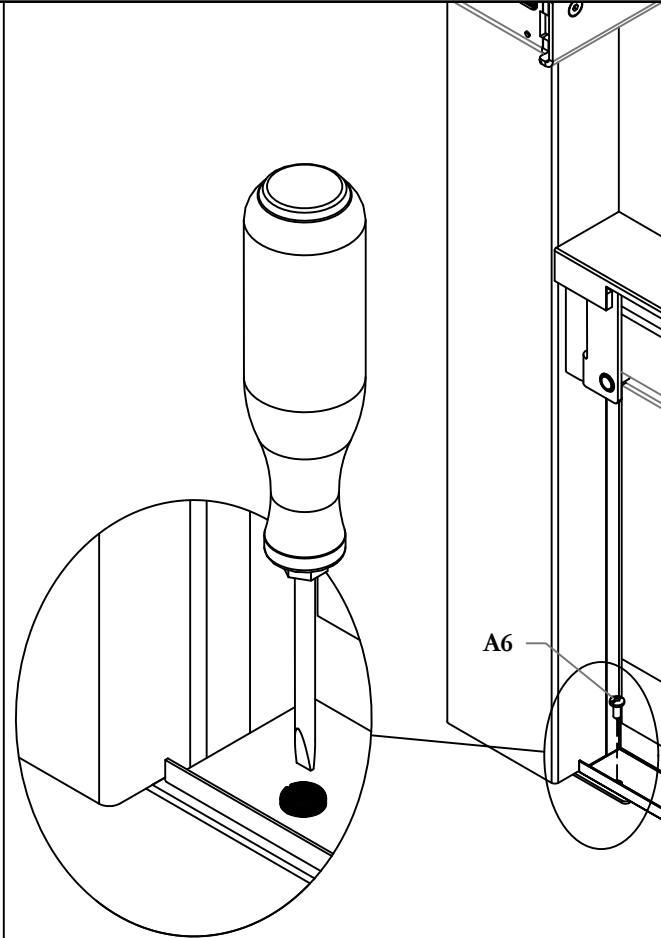
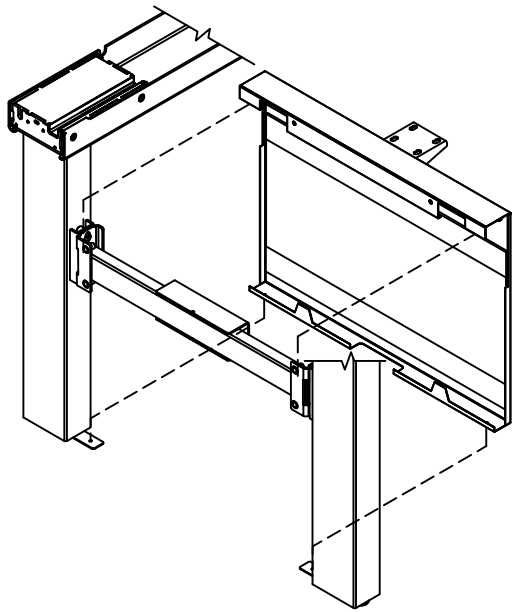
STEP 3: Insert Support Bracket through the cut-out on the Inside Cover Assembly as shown.

ATTACH CONNECTION PLATES TO FRAME LEGS



STEP 4: Loosen Legs Hex Bolt to allow enough room for Gable Connecting Plate. Fasten Gable Connecting Plates to Frame Legs.

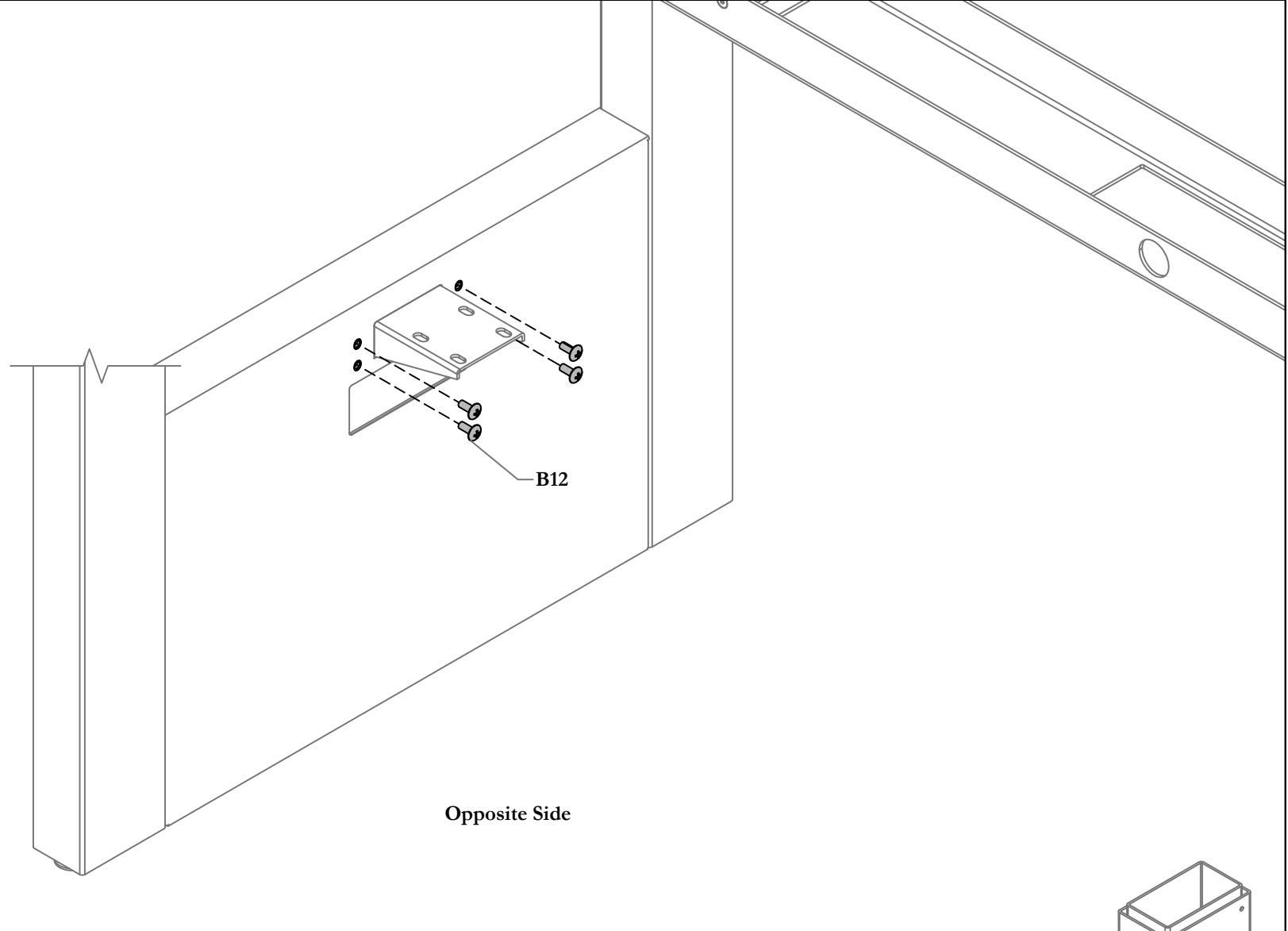
MOUNT INSIDE COVER ASSEMBLY



Section View

STEP 5: Mount Inside Cover Assembly onto Stretcher Bar. Make sure the face of the Inside Cover Assembly is flush with the Leg as shown in Section View. Secure Inside Cover Assembly to Gable Connecting Plate on both sides using Tap Quad Pan screws provided.

SECURE TO THE STRETCHER BAR



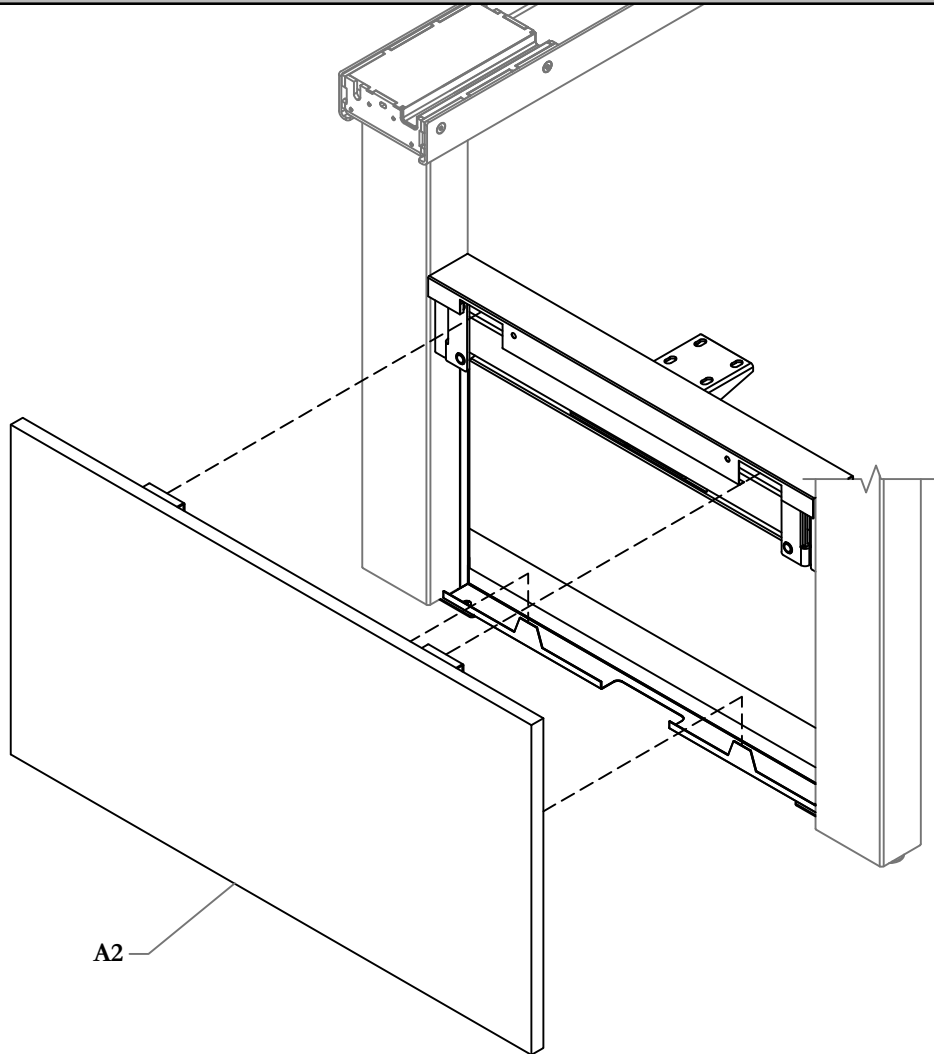
STEP 6: Secure Inside Cover Assembly to Stretcher Bar with Bolts.

Section: **SCREENS AND GABLES**

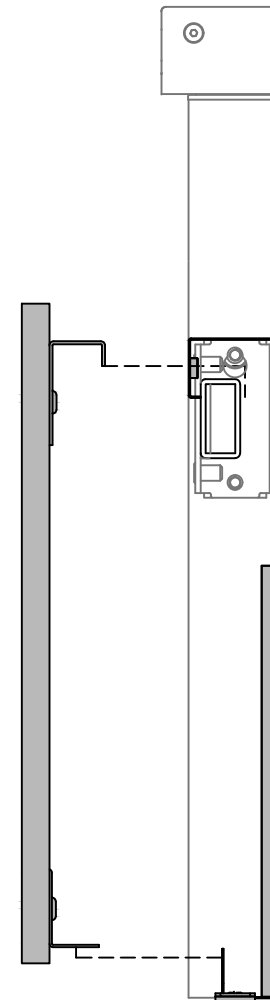
Date: Aug 2017 Page No: 7 of 16
HABL_203b

Description: **SOLID GABLES & CABLE CHANNEL**

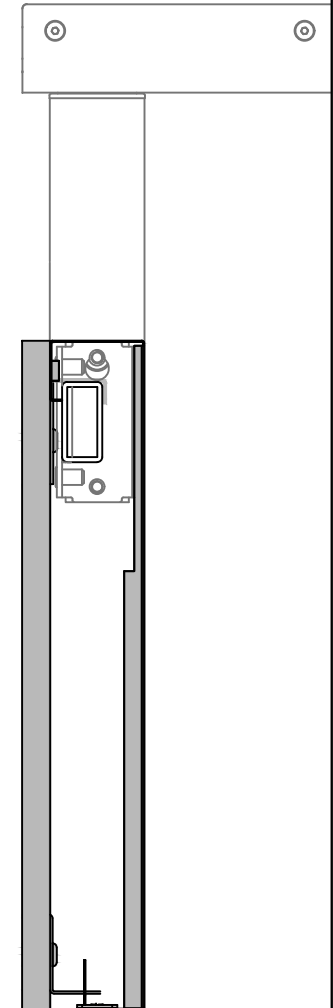
MOUNT OUTSIDE COVER ASSEMBLY



A2



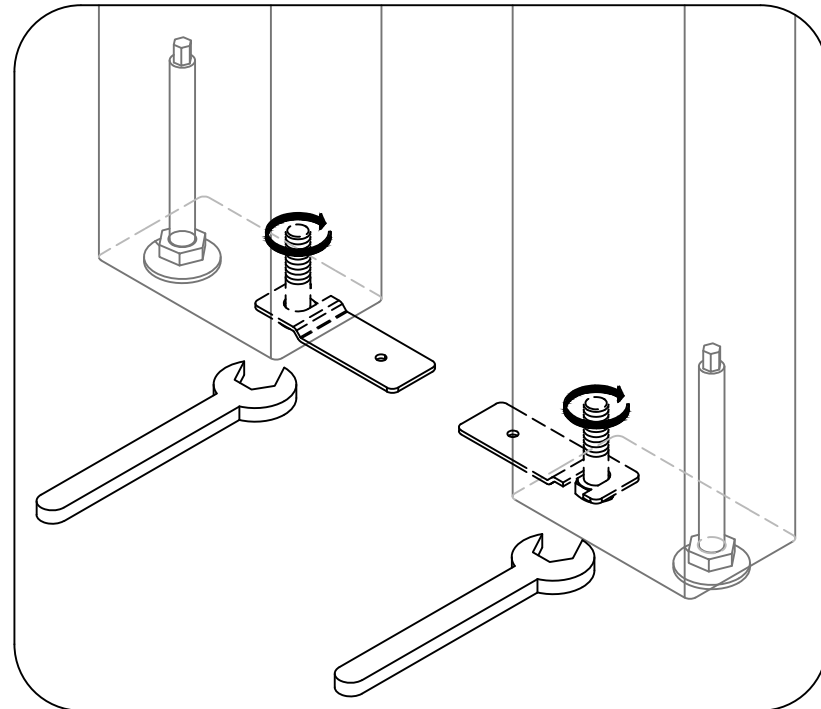
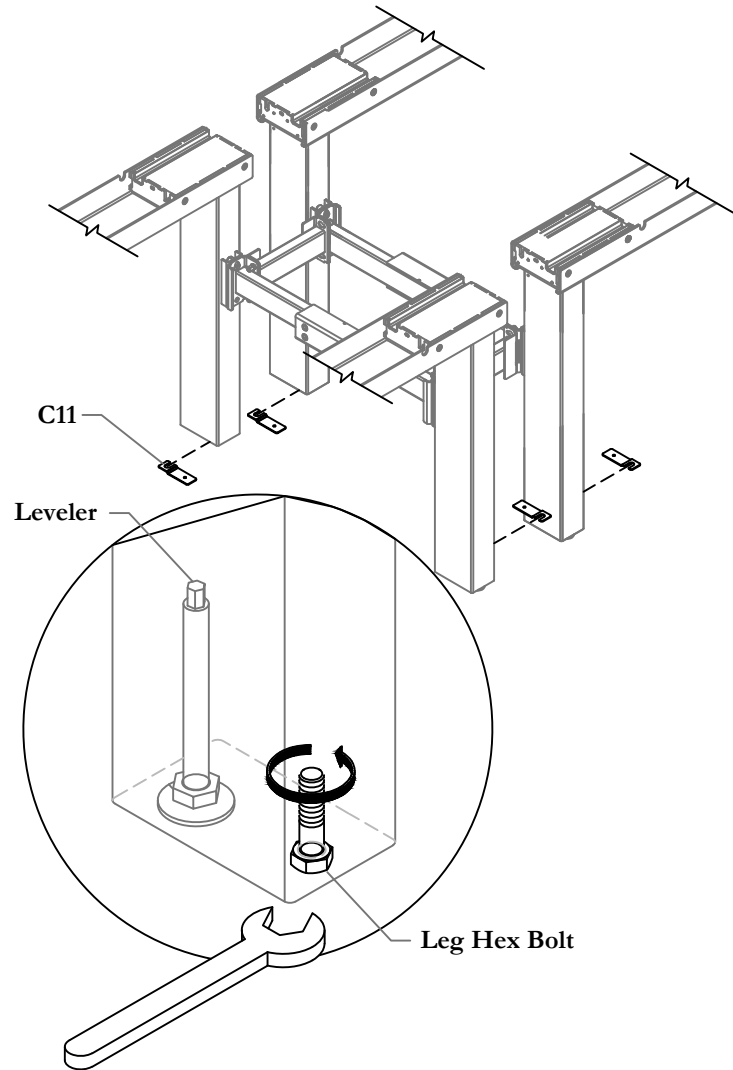
Section View



Section View

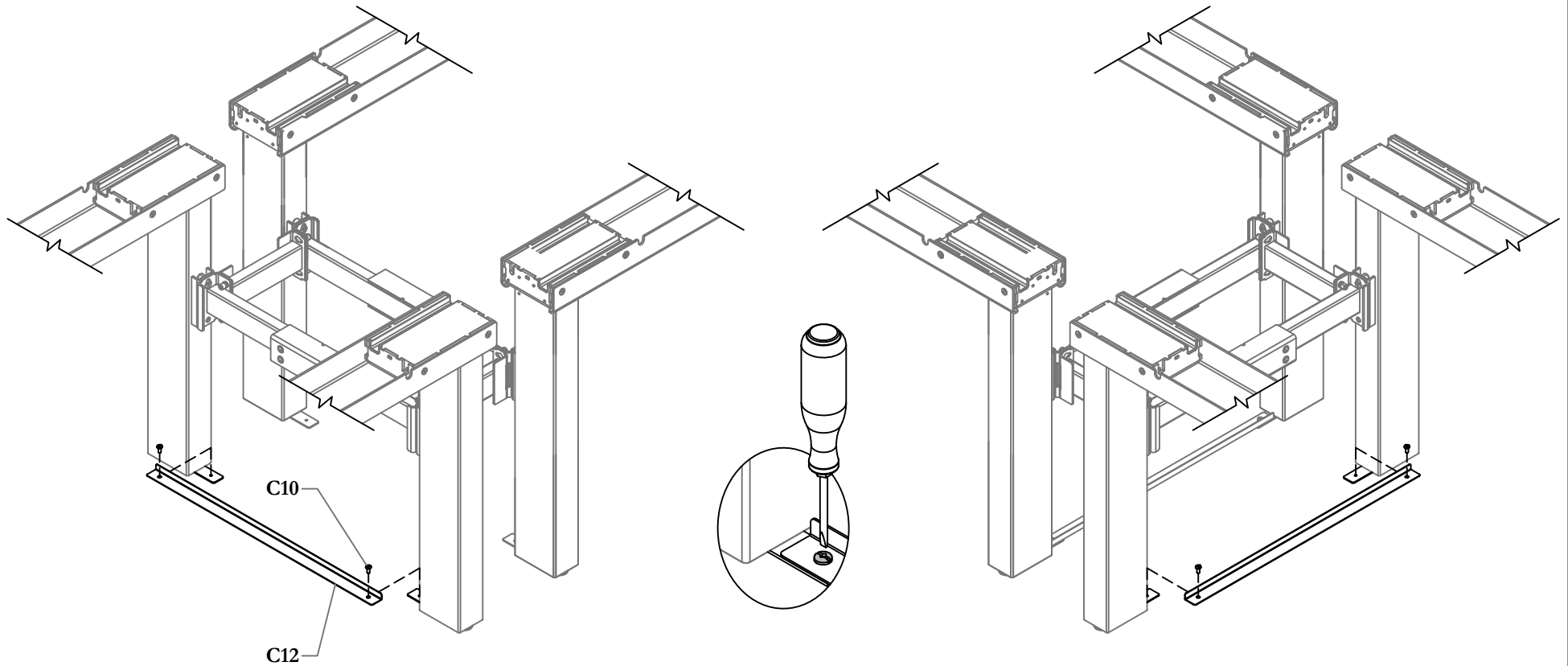
STEP 7: Mount Outside Cover Assembly to the highlighted part of the Inside Cover Assembly as shown.

ATTACH CONNECTING PLATES TO FRAME LEGS



STEP 8: Loosen Legs Hex Bolt to allow enough room for Gable Connecting Plate. Fasten Gable Connecting Plates to Frame Legs.

MOUNT BOTTOM ANGLE BAR



STEP 9: Mount Bottom Angle Bar and secure to Gable Connecting Plate on both sides using Tap Quad Pan screws provided.

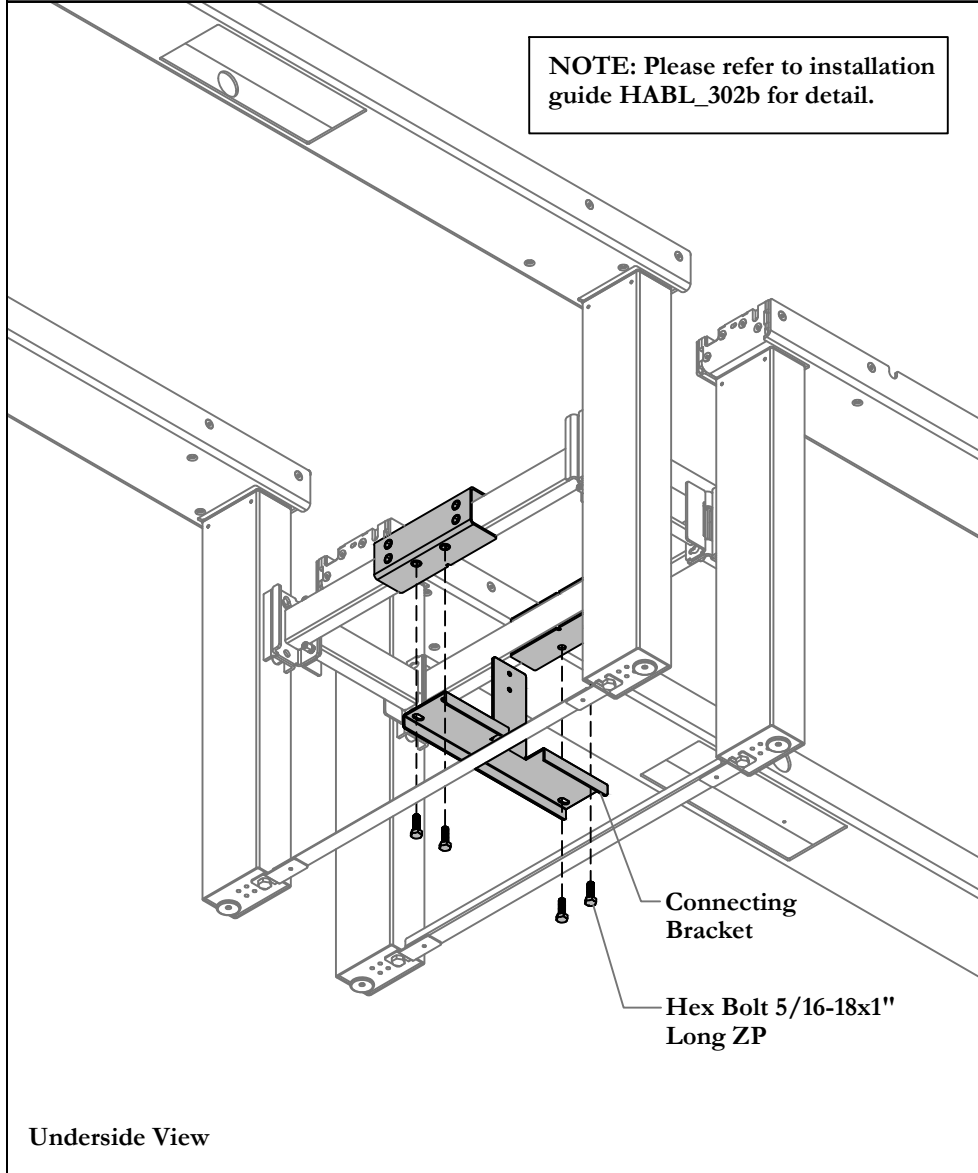
Section: **SCREENS AND GABLES**

Date: Aug 2017 Page No: 10 of 16
HABL_203b

Description: **SOLID GABLES & CABLE CHANNEL**

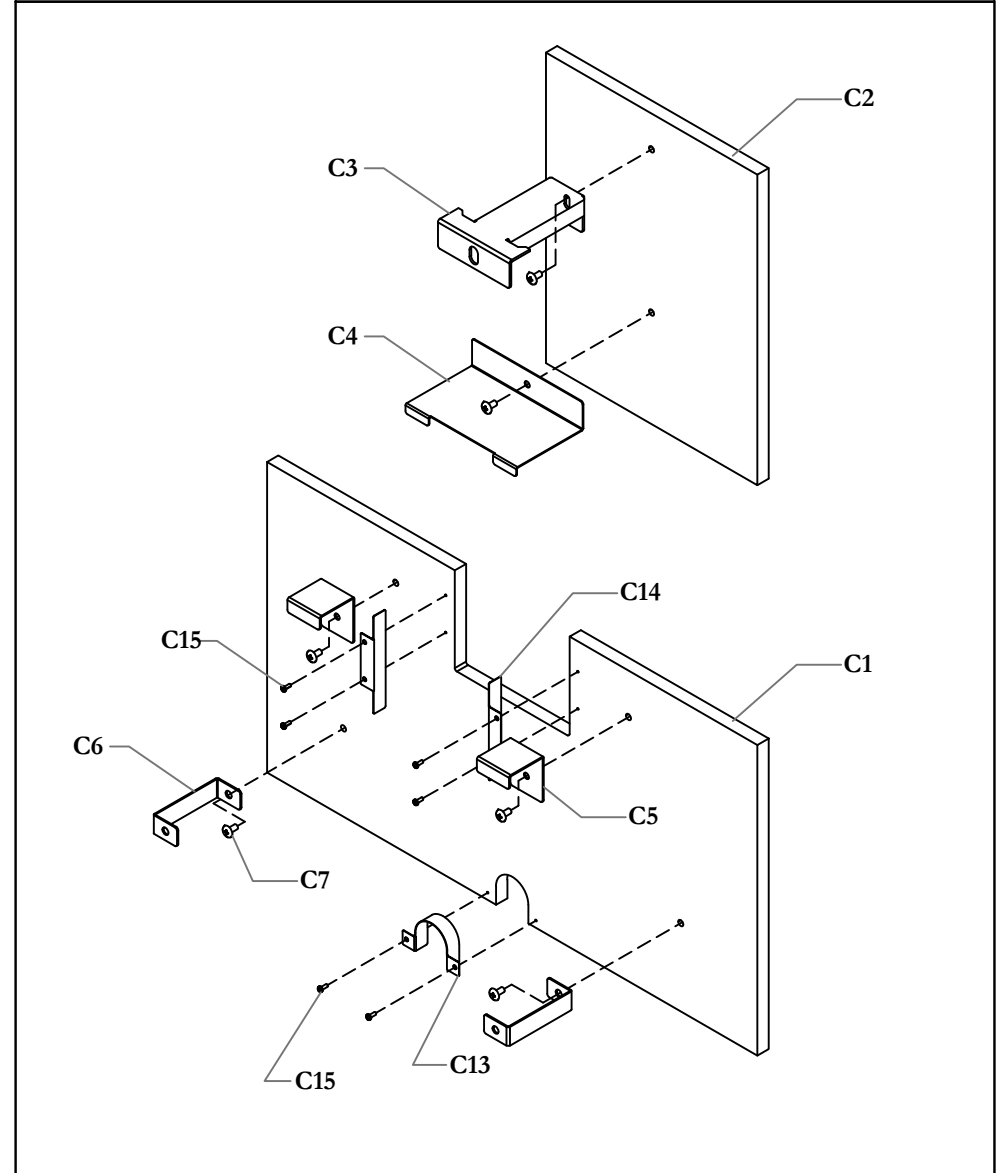
MID POWER POLE SUPPORT PLATE

NOTE: Please refer to installation guide HABL_302b for detail.



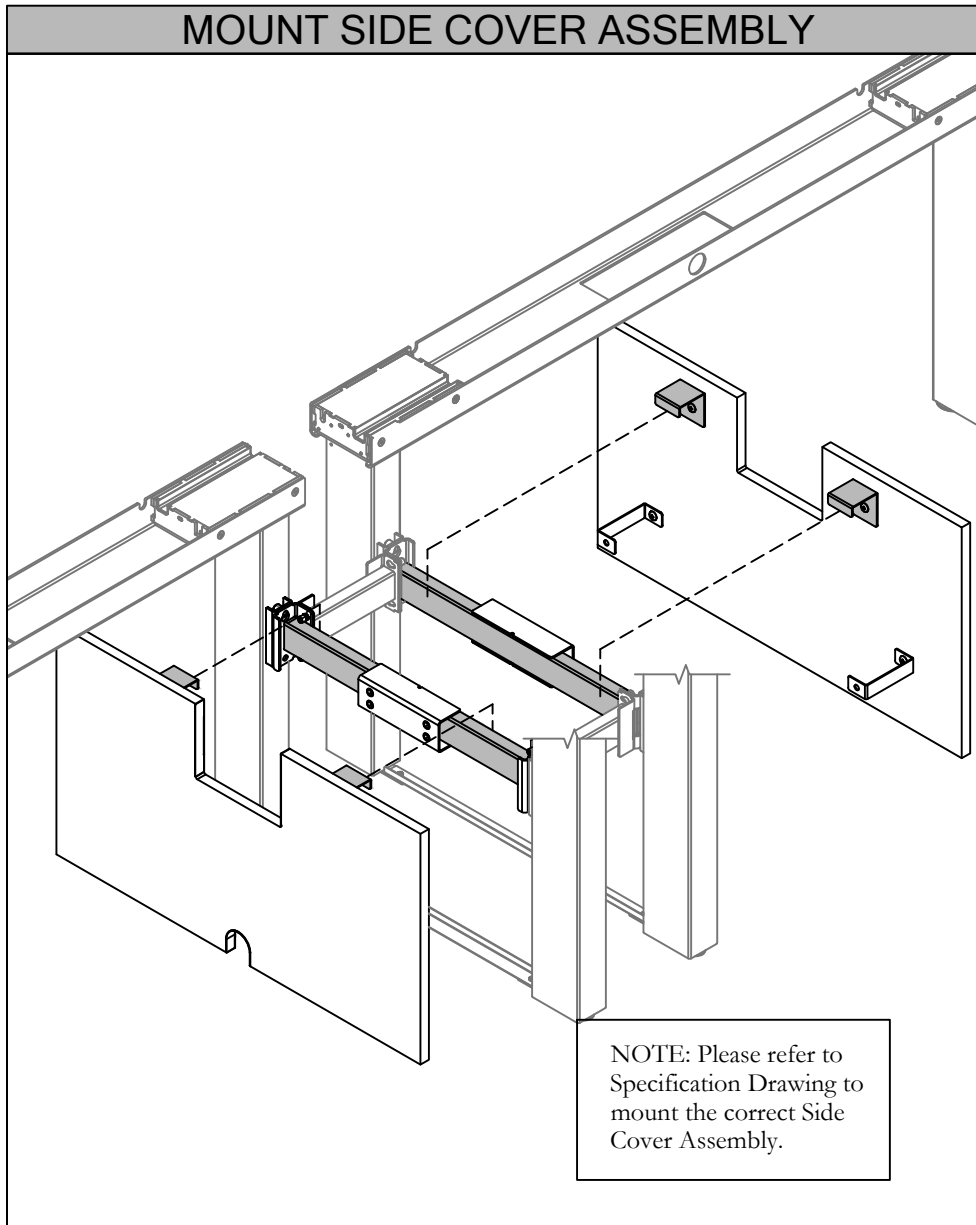
Optional: If Mid Power Pole is specified. Please fasten Connecting Bracket to the underside of the Stretcher Bars as shown.

ATTACH SUPPORT BRACKET



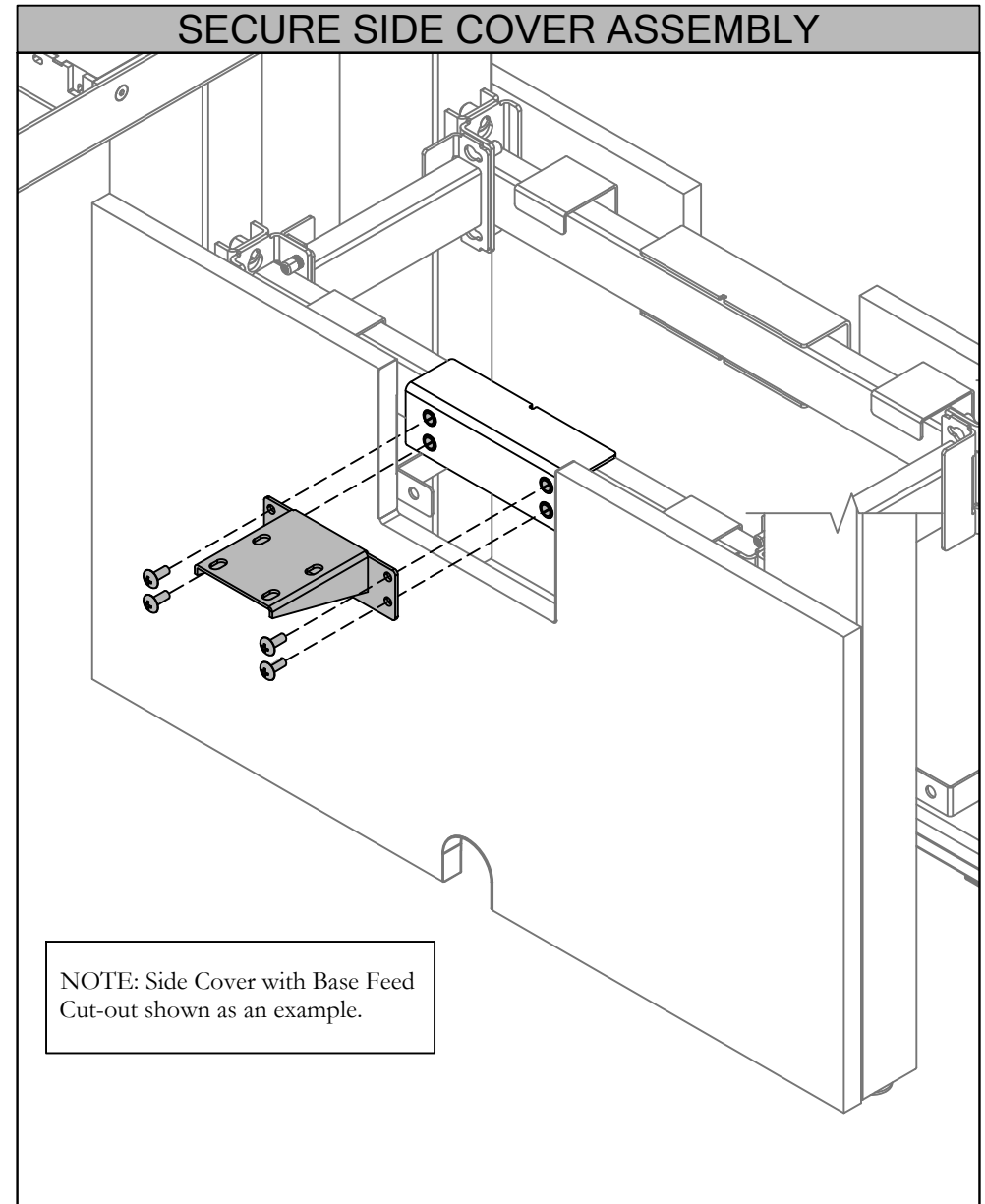
STEP 10: Fasten Brackets and Cover Plates to Side Cover Assemblies and Front Covers as shown.

MOUNT SIDE COVER ASSEMBLY



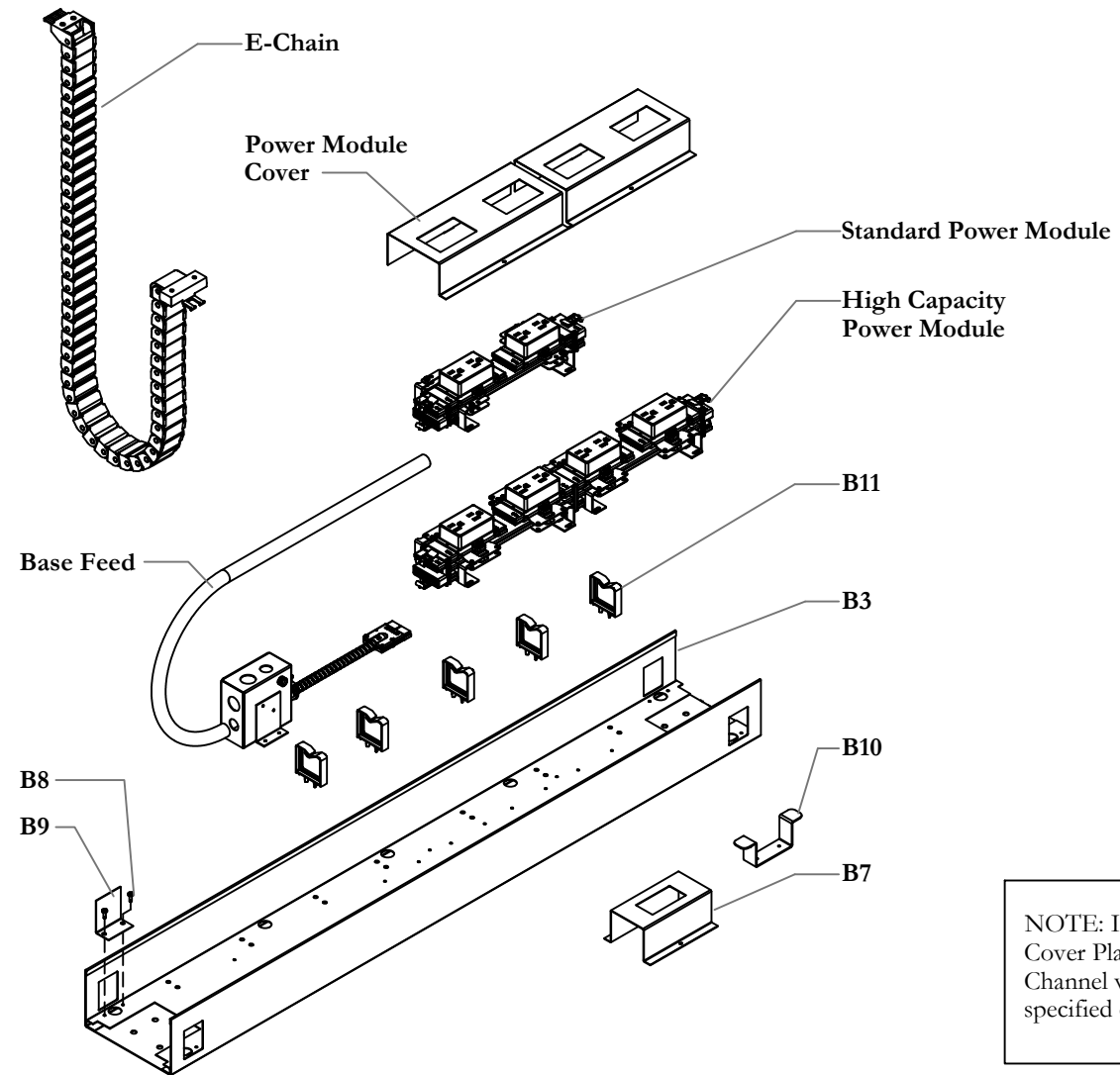
STEP 11: Mount Side Cover Assembly onto the Stretcher Bar as shown.

SECURE SIDE COVER ASSEMBLY



STEP 12: Secure Support Bracket to Stretcher Bar with Bolts.

NOTE: Electrics components have to be installed on Cable Channel before connecting to Support Bracket. Please refer to Installation Guide 301, 302a or 302b for corresponding Electrics installation.



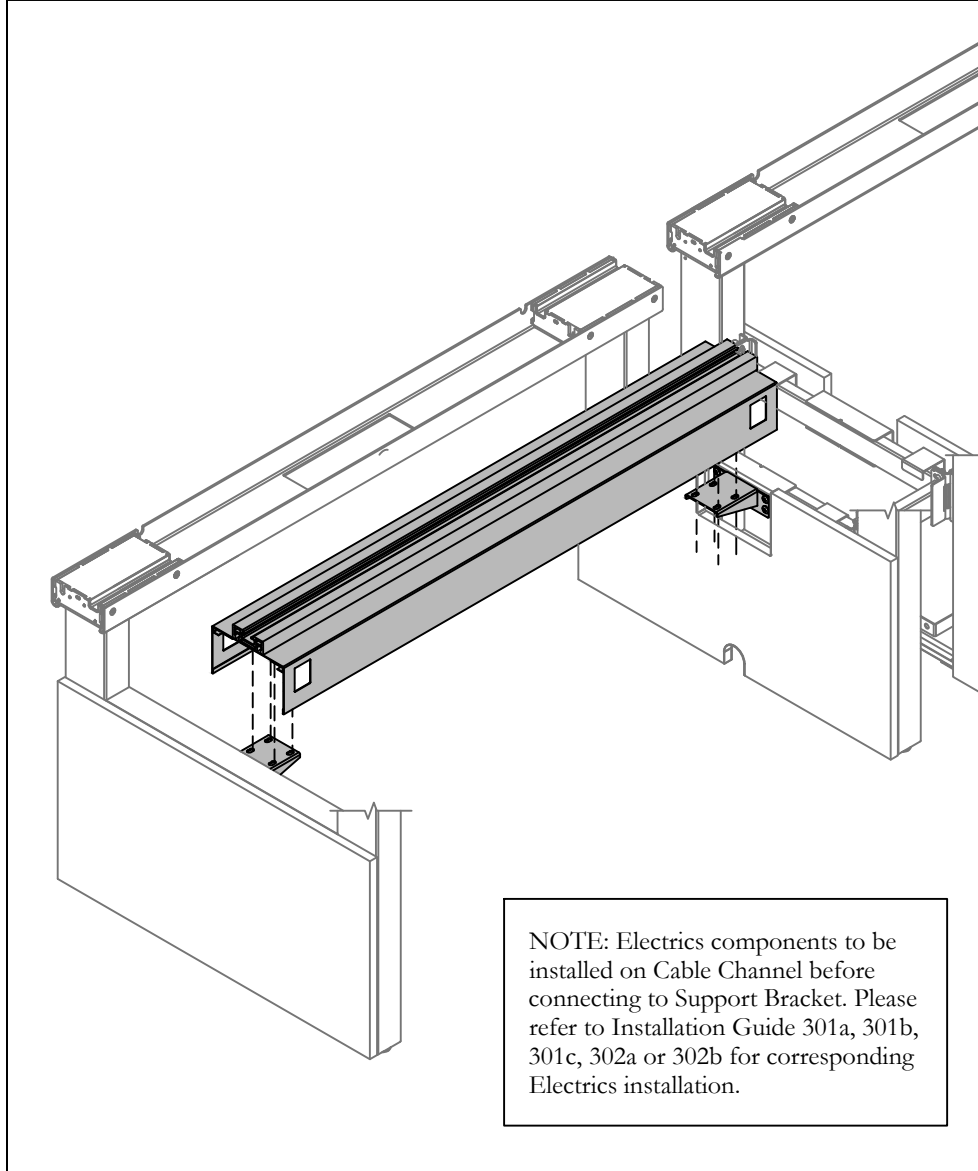
NOTE: Install Cable Channel Cover Plate (B9) on Cable Channel where E-Chain is not specified or unused location.

Section: **SCREENS AND GABLES**

Date: Aug 2017 Page No: 13 of 16
HABL_203b

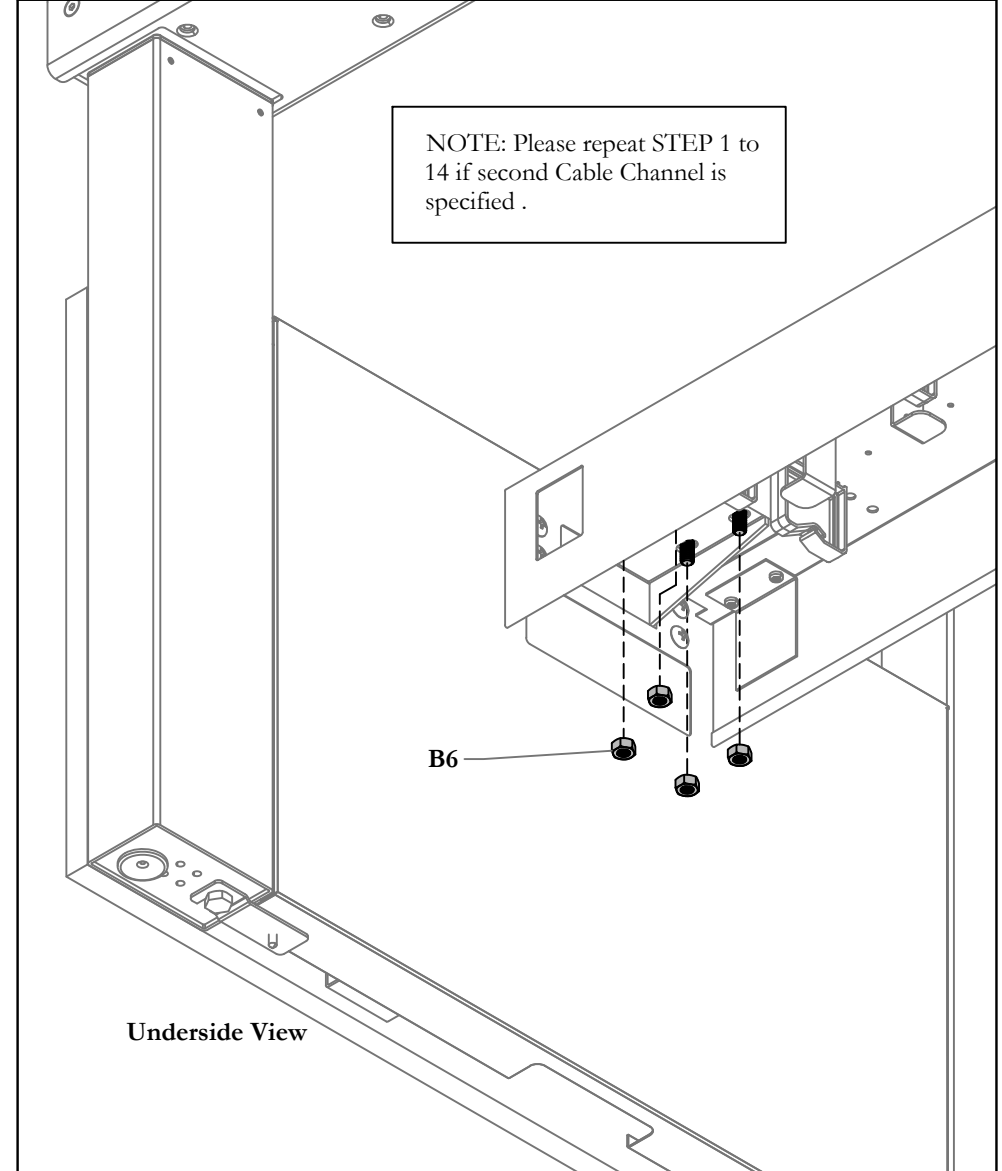
Description: **SOLID GABLES & CABLE CHANNEL**

CABLE CHANNEL ASSEMBLY AND CENTER RAIL



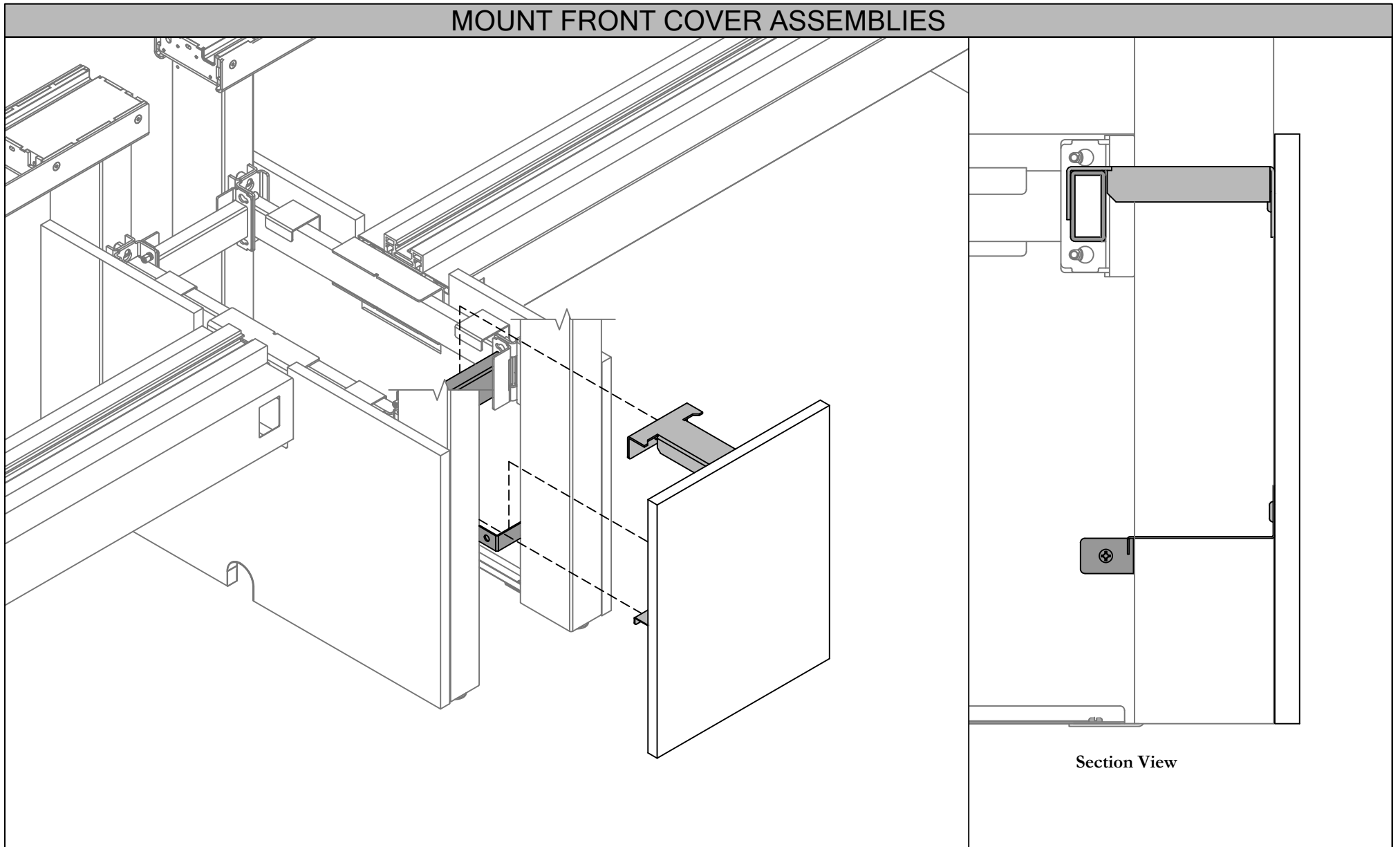
STEP 13: Align holes on Support Brackets, Cable Channel Assembly. Insert Bolts inside Center Rail Extrusion through Cable Channel Assembly and Brackets as shown.

SECURE CABLE CHANNEL



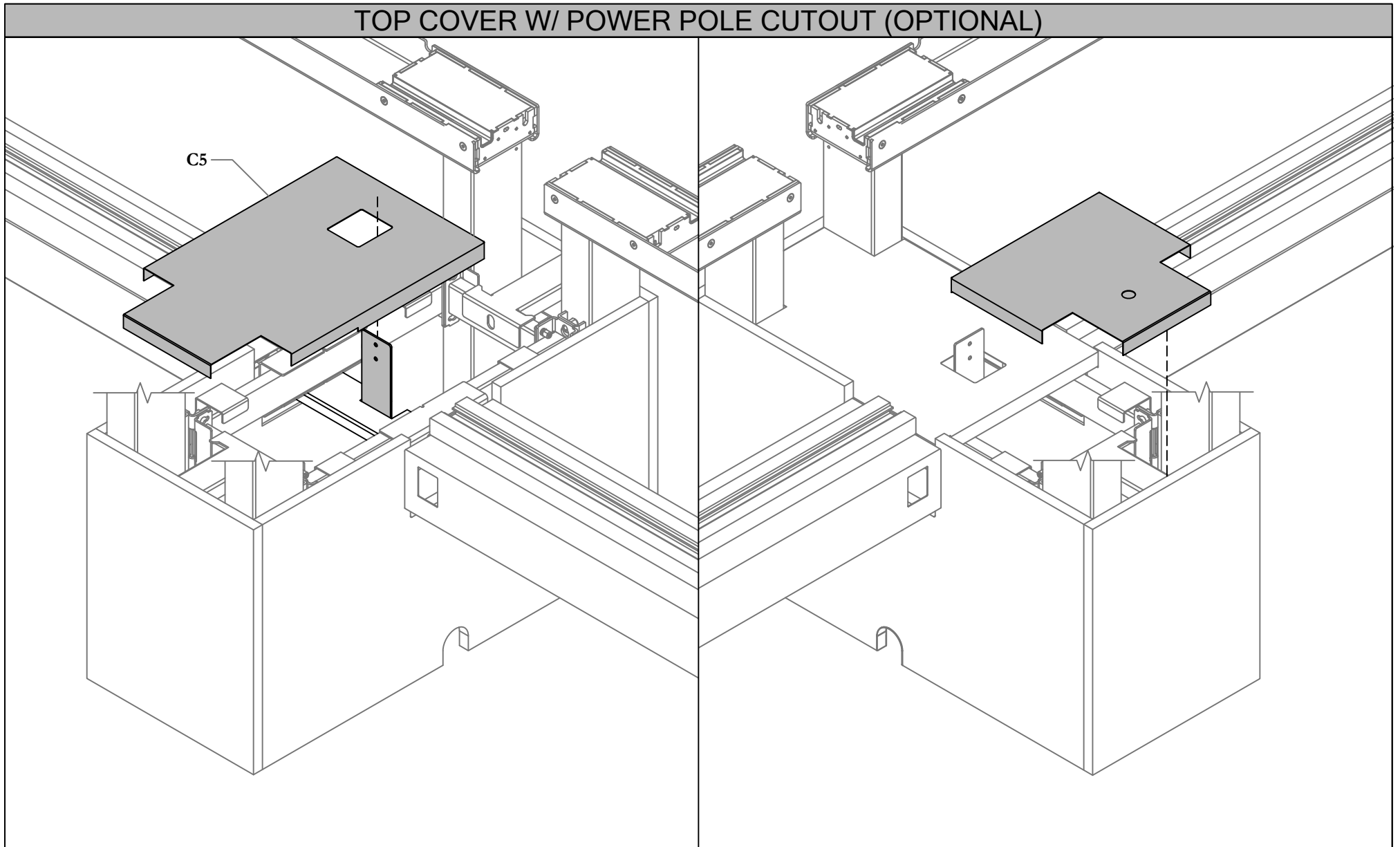
STEP 14: Secure Cable Channel in place with Nuts.

MOUNT FRONT COVER ASSEMBLIES



STEP 15: Mount Front Covers onto the Frame Link and Bottom Connecting Brackets.

TOP COVER W/ POWER POLE CUTOUT (OPTIONAL)



STEP 16a: If Mid Gable Power Pole is specified. Attach Top Covers onto the highlighted extrusions on the Side and Front Cover Assemblies as shown.

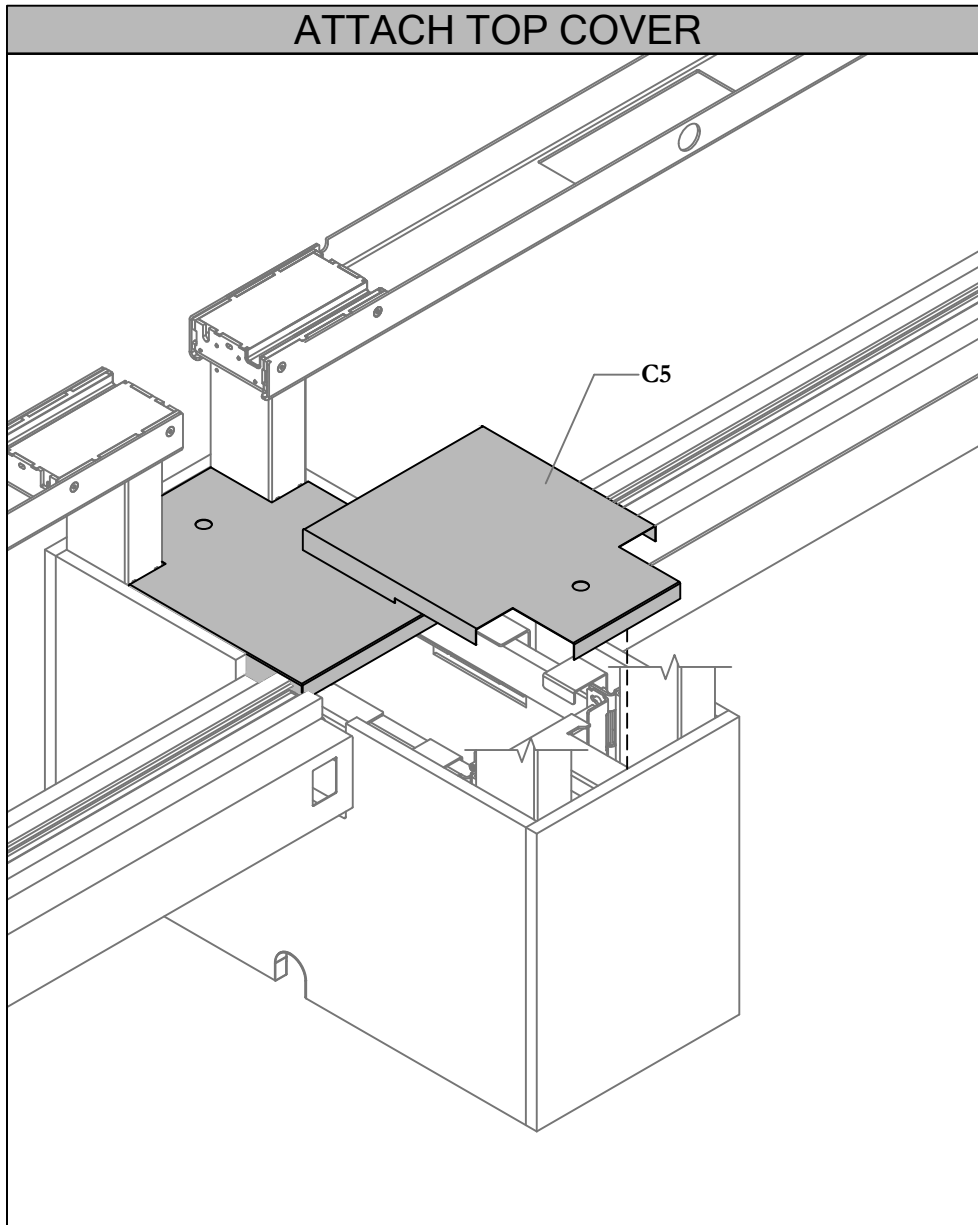
Repeat Step 1-14 to install End Gable and Cable Channel on another side of the Table.

Section: **SCREENS AND GABLES**

Date: Aug 2017 Page No: 16 of 16
HABL_203b

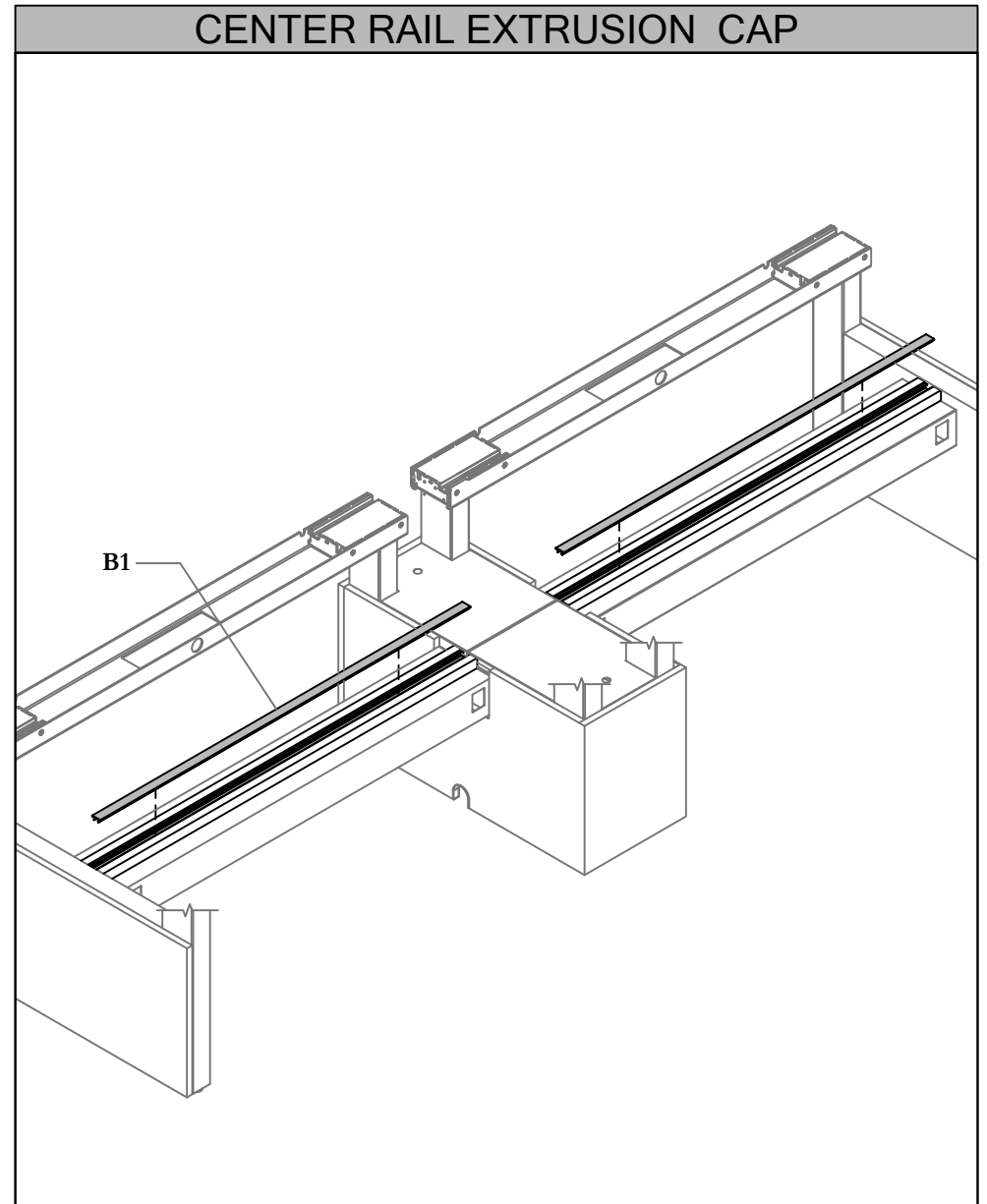
Description: **SOLID GABLES & CABLE CHANNEL**

ATTACH TOP COVER



STEP 16b: Rest Top Covers onto Gable structures as shown.

CENTER RAIL EXTRUSION CAP



STEP 17: Insert Center Rail Extrusion Caps onto Center Rail Extrusions as shown.

height-adjustable bench *Installation Guides*

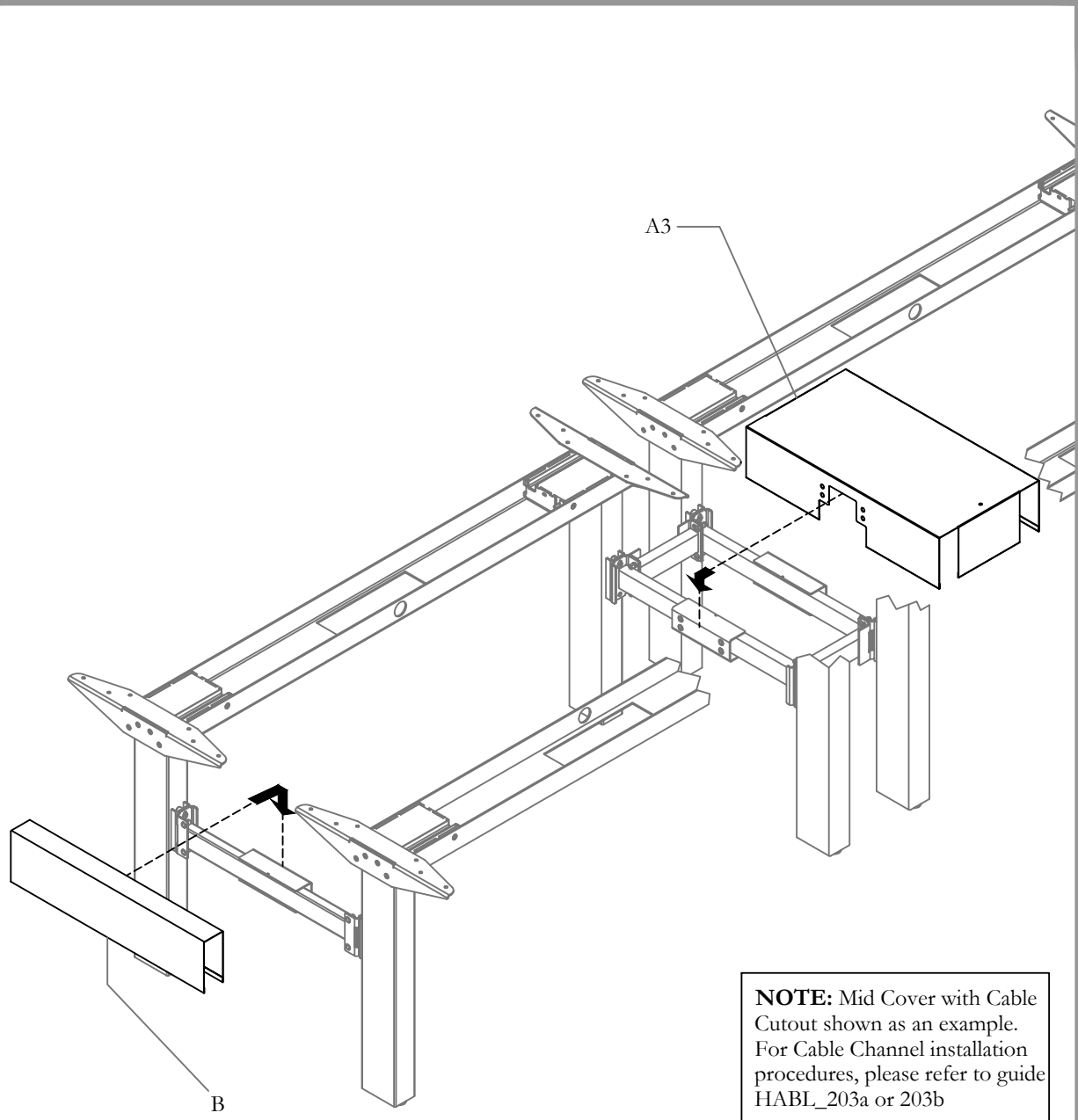
Section: **SCREENS & GABLES**

Description: **MID & END COVER - METAL**

teknion

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HABL_203c Rev. No: 1

MidCover - Metal (HABCCMML), End Cover - Metal (HABCCFML)



NOTE: Mid Cover with Cable Cutout shown as an example. For Cable Channel installation procedures, please refer to guide HABL_203a or 203b

Part and Product Identification

A - End Cover, Metal (HABCCFML) x1		A1 - Mid Cover with Cable Cutout for Power Pole (A16-3089-X) x Qty varies per configuration
		OR A2 - Mid Cover for Power Pole (A16-3214-X) x Qty varies per configuration
		OR A3 - Mid Cover with Cable Cutout (A16-3034-X) x Qty varies per configuration
		OR A4 - Mid Cover (A16-3213-X) x Qty varies per configuration
B - Mid Cover, Metal (HABCCMML) x1		B1 - End Cover with Cable Cutout (A16-3033-X) x Qty varies as per configuration
		OR B2 - End Cover (A16-3212-X) x Qty varies as per configuration

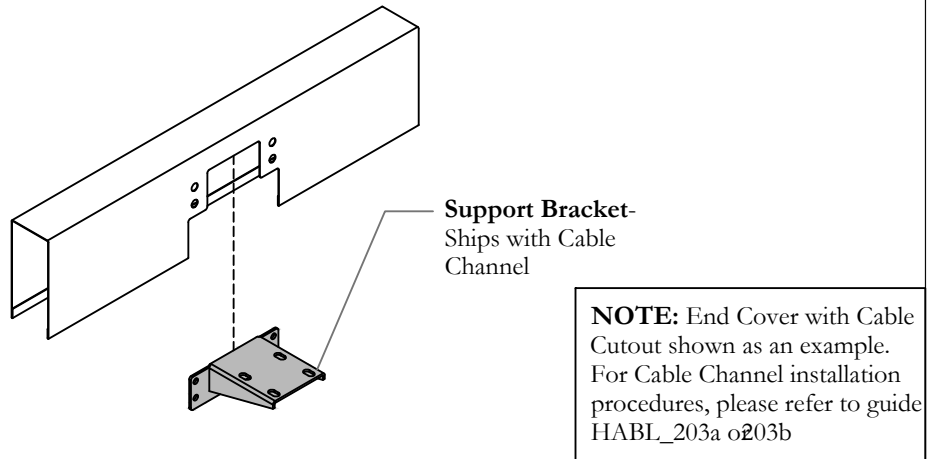
For Customer Support please contact product.support@teknion.com

Section: SCREENS & GABLES

Description: MID & END COVER - METAL

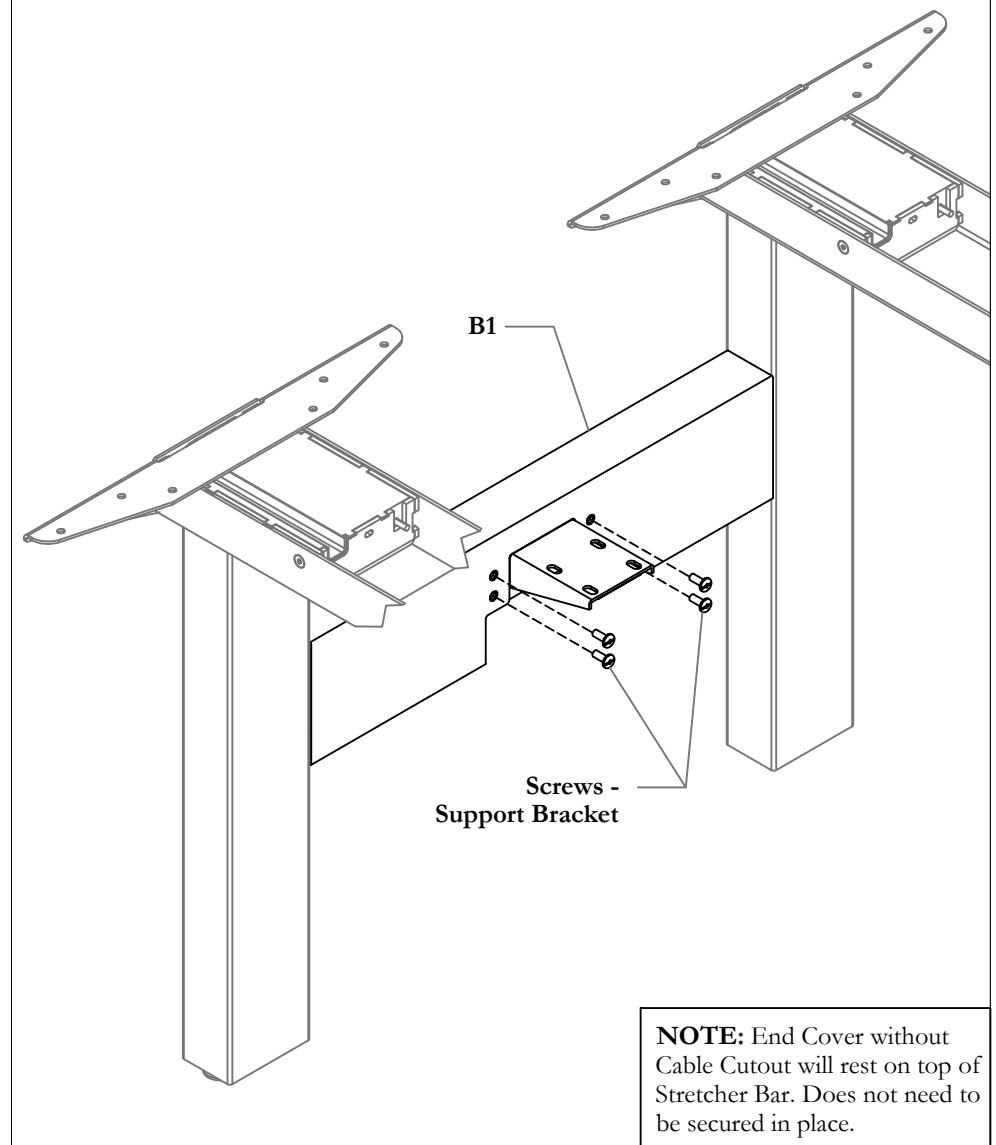
Date: May 2017 Page No: 2 of 3
HABL_203c

SLIDE SUPPORT BRACKET INTO END COVER



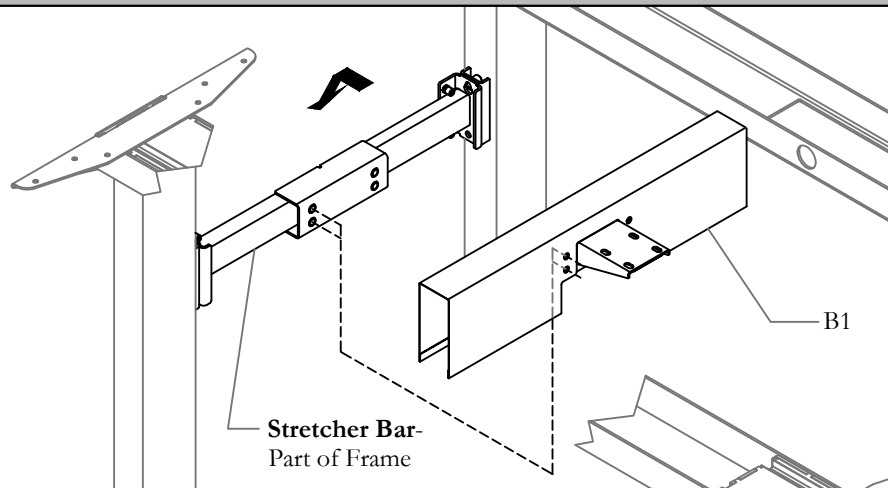
STEP 1: Slide Cable Channel Support Bracket into End Cover, making sure holes align.

SECURE END COVER IN PLACE



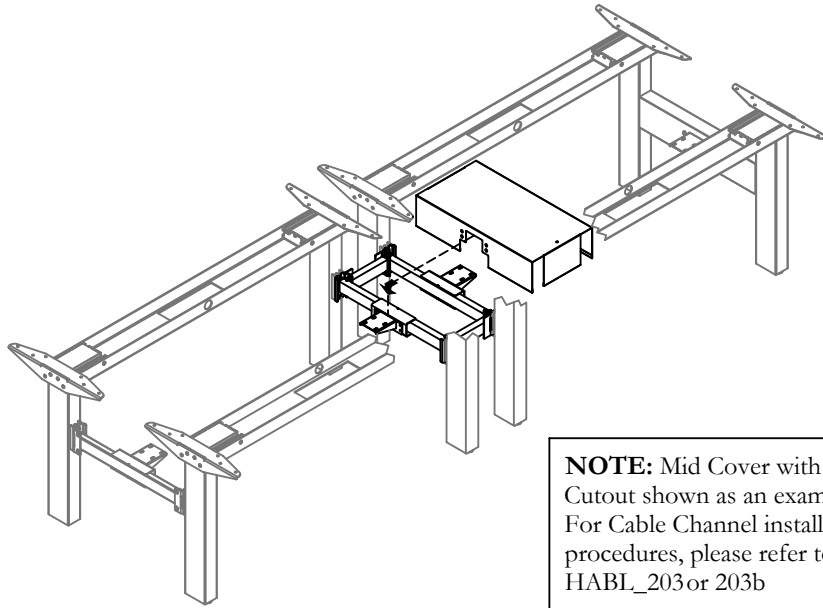
STEP 3: Secure End Cover in place with Support Bracket Screws.

PLACE END COVER & BRACKET ON FRAME BAR

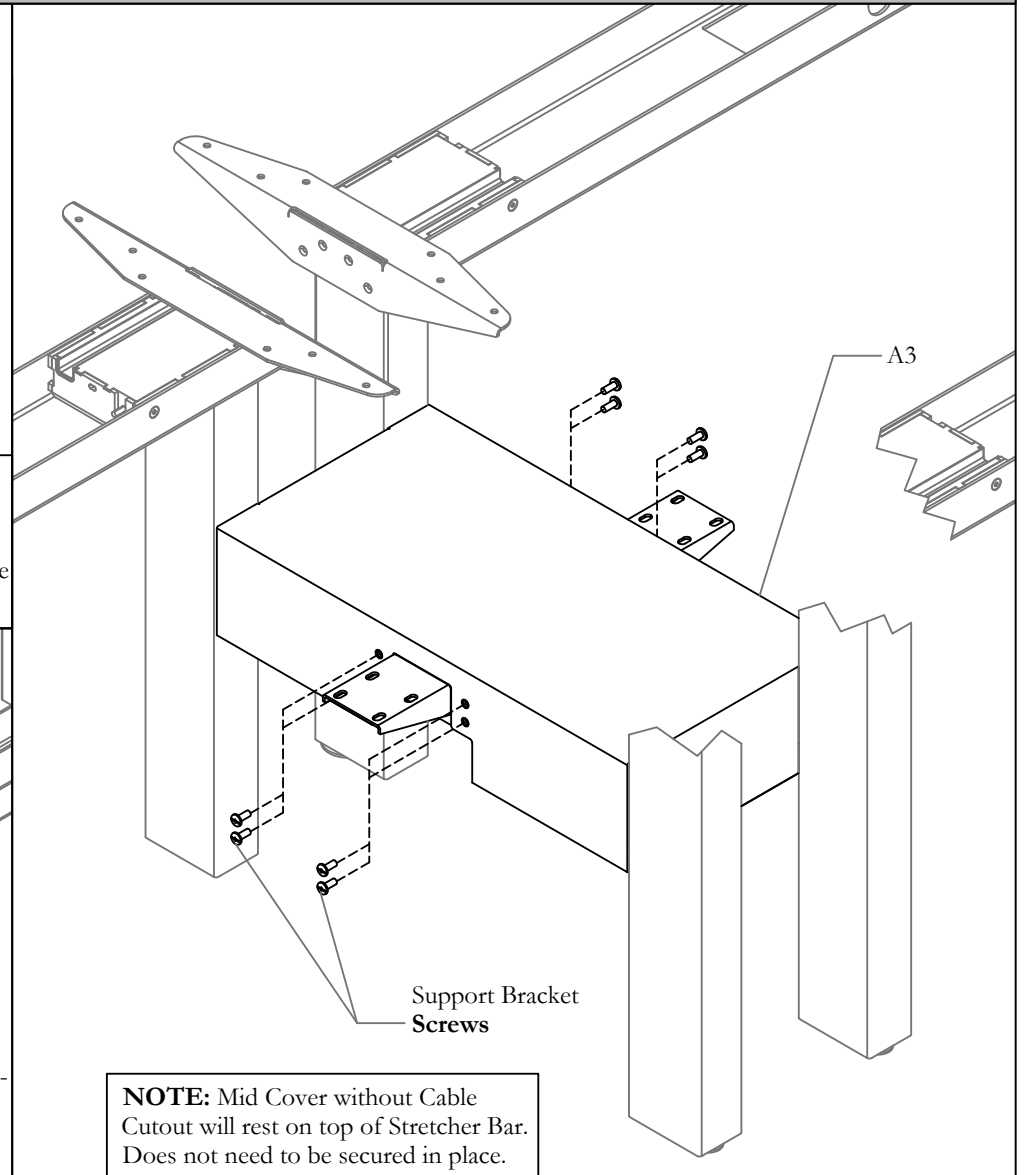


STEP 2: Bring End Cover and Support Bracket together, and place them on Frame Stretcher Bar.

INSTALL METAL MID COVER

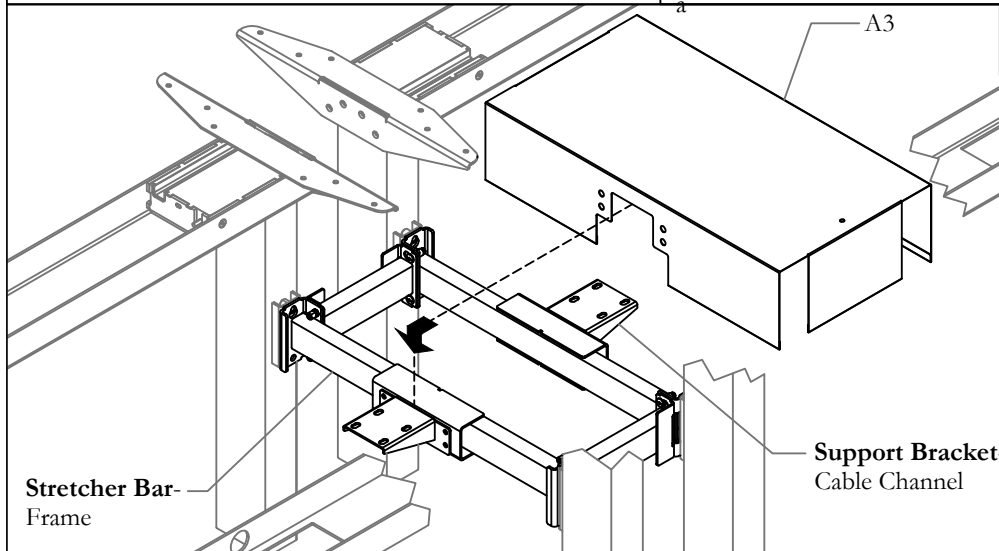


NOTE: Mid Cover with Cable Cutout shown as an example. For Cable Channel installation procedures, please refer to guide HABL_203 or 203b



Support Bracket
Screws

NOTE: Mid Cover without Cable Cutout will rest on top of Stretcher Bar. Does not need to be secured in place.



Support Bracket-
Cable Channel

Stretcher Bar-
Frame

STEP 4: Place Metal Mid Cover on top of Stretcher Bars and Cable Channel Support Brackets. Use Hex Screws provided with Support Brackets to secure Metal Mid Cover in place, as illustrated.

height-adjustable bench *Installation Guides*

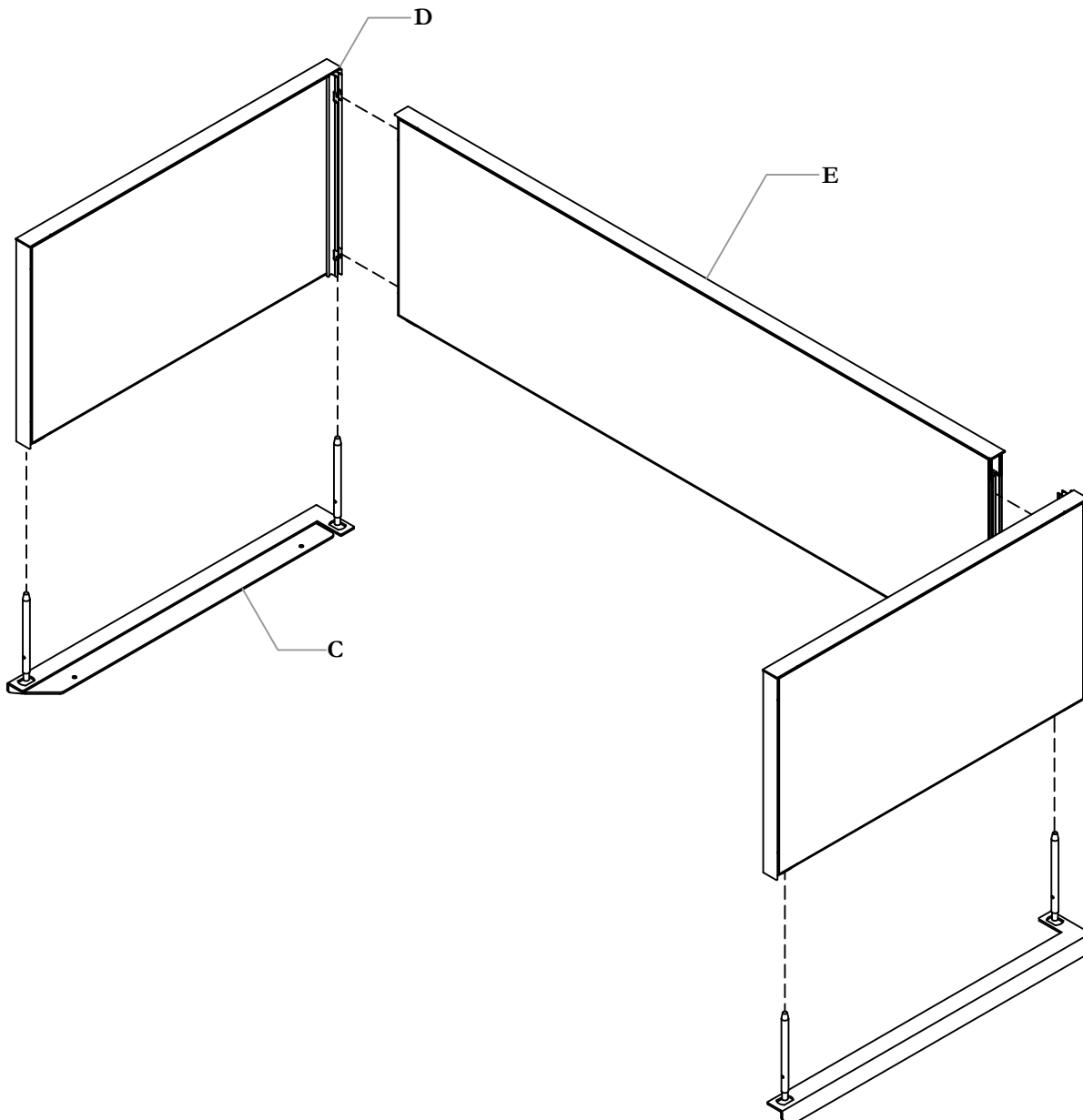
Section: **STUDY CARREL**

Description: **STUDY CARREL INSTALLATION**

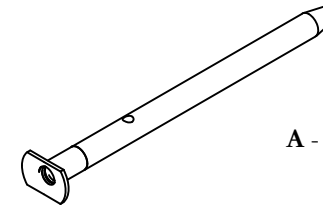
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HABL_204 Rev. No: 1

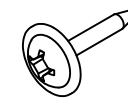
Study Carrel (GYKB)



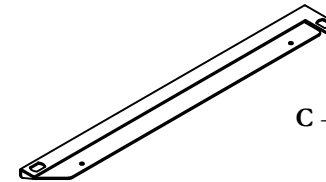
Part and Product Identification



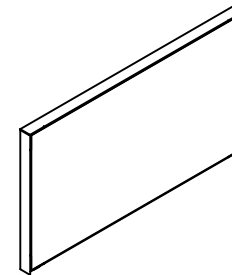
A - Screen Mounting Pin
(A18-0251) x4



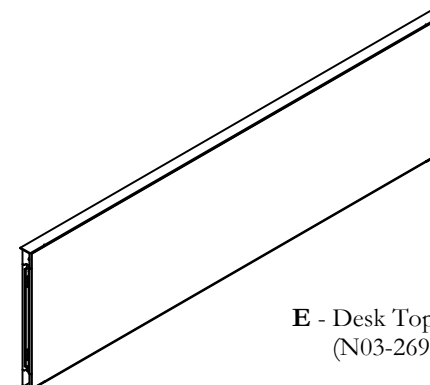
B - #10 x 0.875" Lg. Screw
(E07-0077) x4



C - Mounting Bracket
(N09-8285) x2



D - Fabric Desk Edge Side Screen
(N03-2746) x2



E - Desk Top Long Edge Screen
(N03-2694)

height-adjustable bench *Installation Guides*

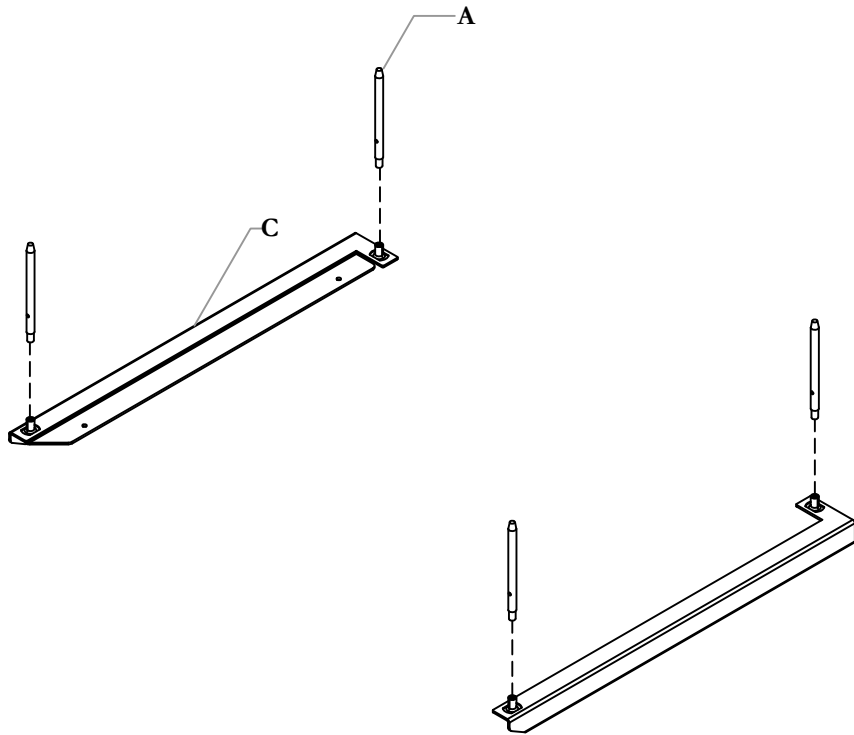
Section: **STUDY CARREL**

Description: **STUDY CARREL INSTALLATION**

teknion

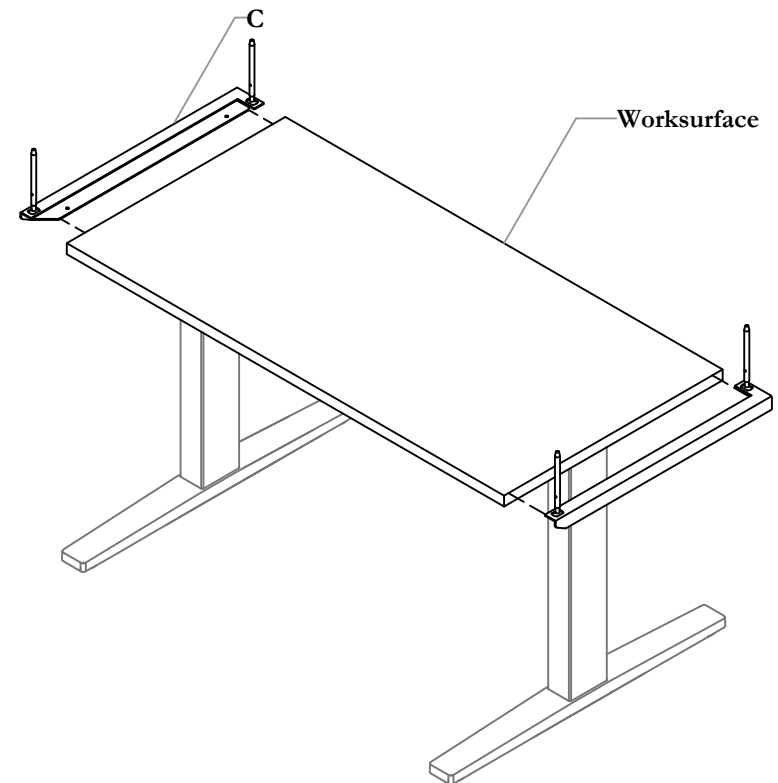
Date: Sept 2019 Page No: 2 of 4
HABL_204

SCREW MOUNTING PINS



STEP 1: Screw Screen Mounting Pin to Brackets

SLIDE BRACKET ONTO WORKSURFACE



STEP 2: Slide Brackets onto Worksurface

height-adjustable bench *Installation Guides*

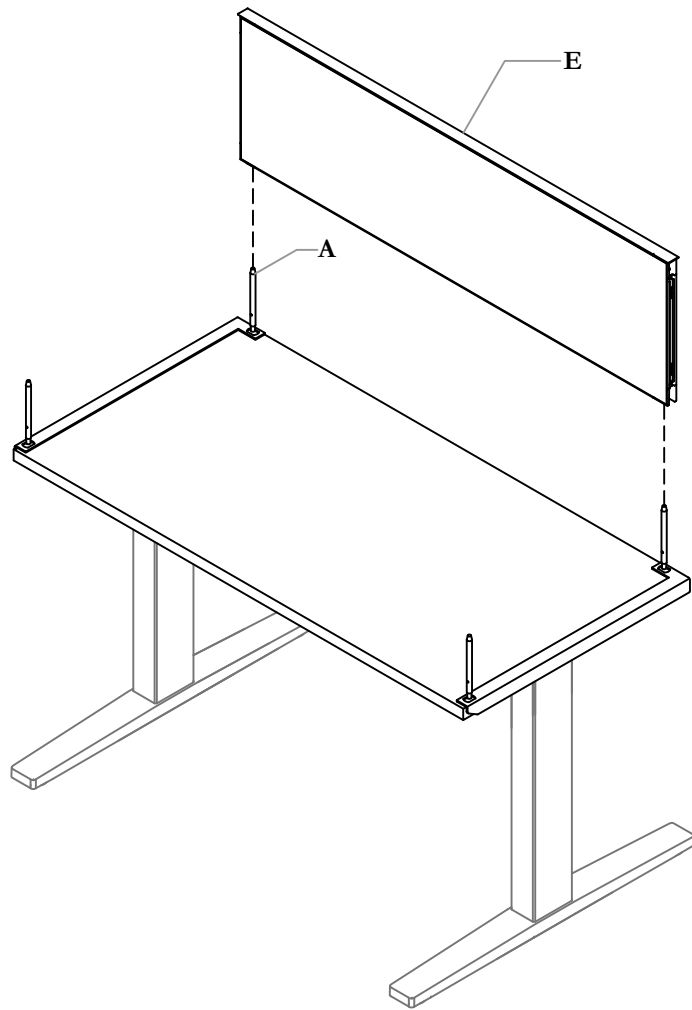
Section: **STUDY CARREL**

Description: **STUDY CARREL INSTALLATION**

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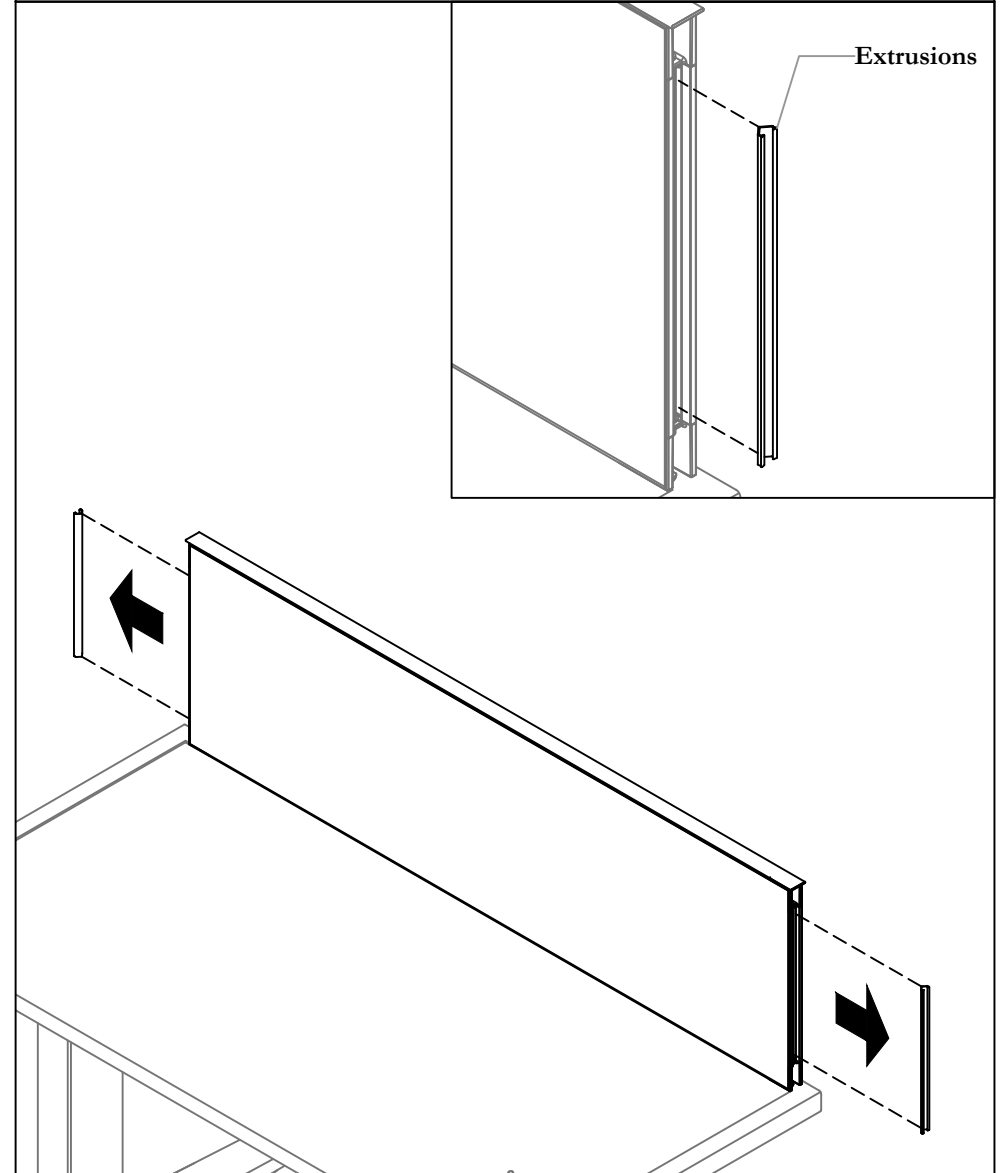
Date: Sept 2019 Page No: 3 of 4
HABL_204

ATTACH LONG EDGE SCREEN TO BRACKET



STEP 3: Slide Long Edge Screen onto Mounting Pins

REMOVE PLASTIC EXTRUSIONS



STEP 4: Remove plastic extrusions

height-adjustable bench *Installation Guides*

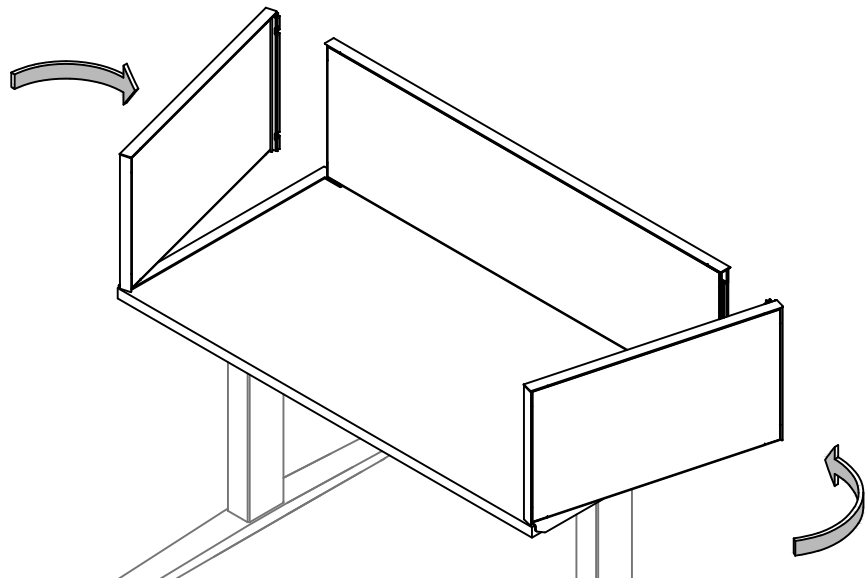
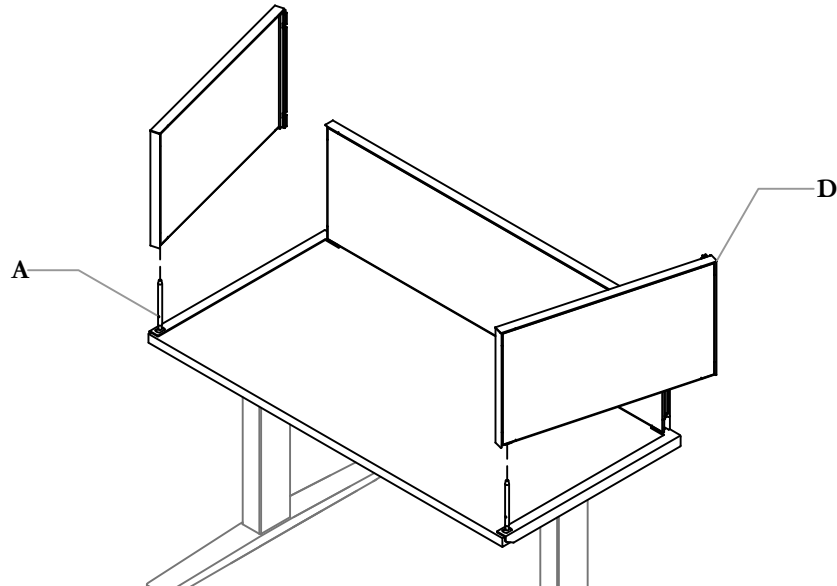
Section: **STUDY CARREL**

Description: **STUDY CARREL INSTALLATION**

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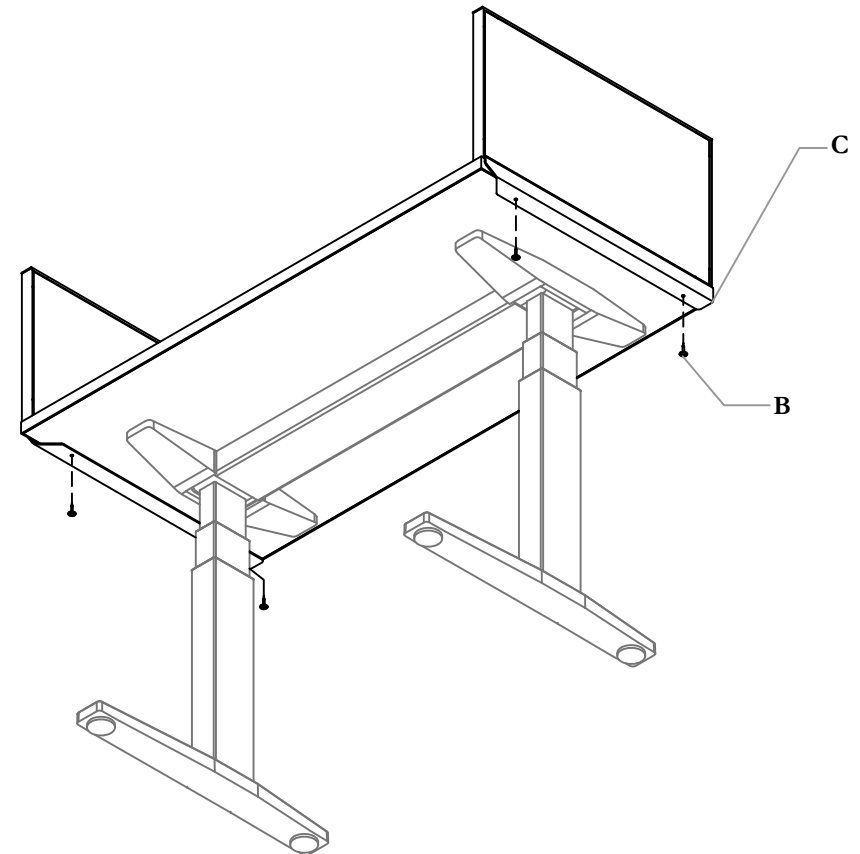
Date: Sept 2019 Page No: 4 of 4
HABL_204

MOUNT AND ATTACH SIDE SCREENS



STEP 5: Slide Desk Edge Side Screen onto Mounting Pins and clip Desk Edge Side Screens into place to attach to Long Edge Screen

SCREW BRACKET TO WORKSURFACE



STEP 6: Screw Bracket onto Worksurface

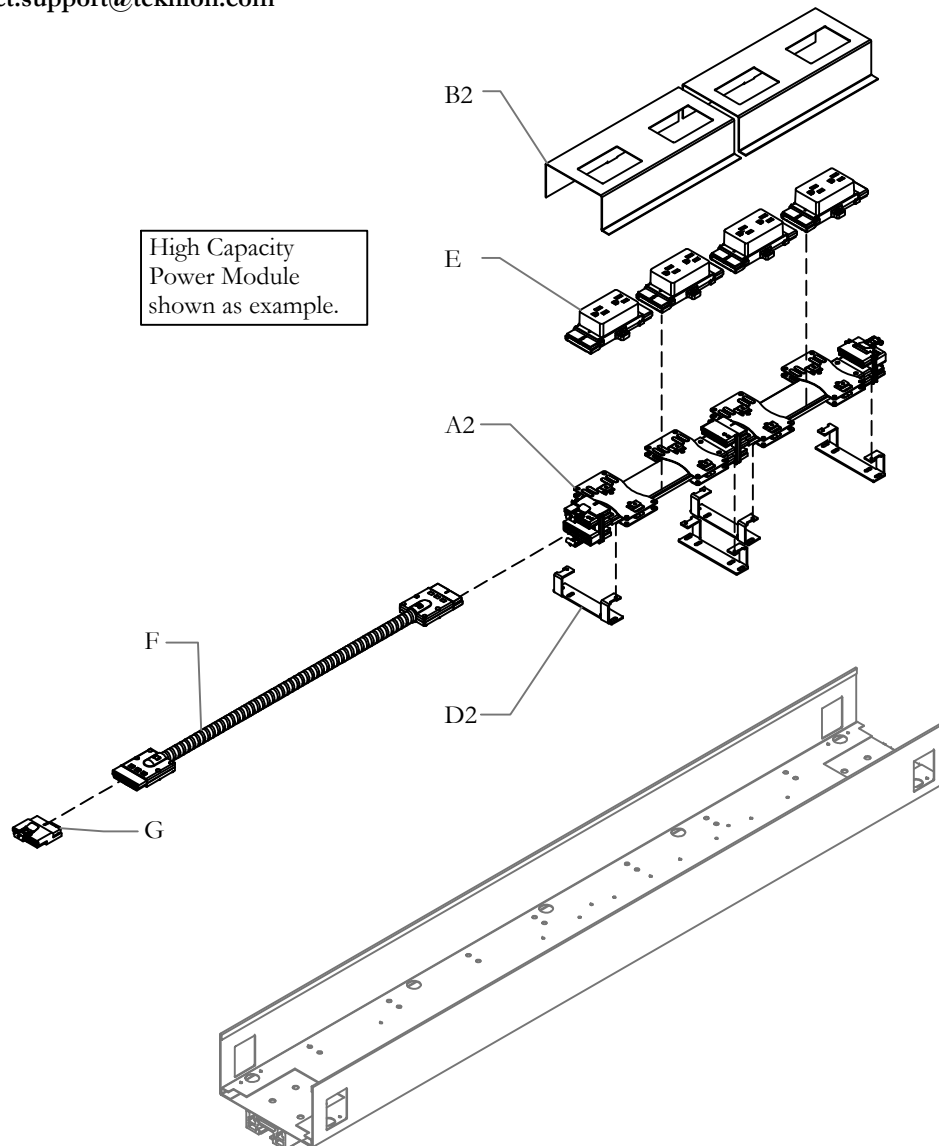
height-adjustable bench *Installation Guides*

Section: **ELECTRICS**

Description: **POWER MODULES, I-CONNECTOR AND POWER HARNESS**

Power Harness (HABEPH), High Capacity Power Module (HABEPMH), Standard Power Module (HABEPMS), Chicago Power Module (HABEPMCH), Receptacle Outlet (HABERO), I-Connector (HABEIC)

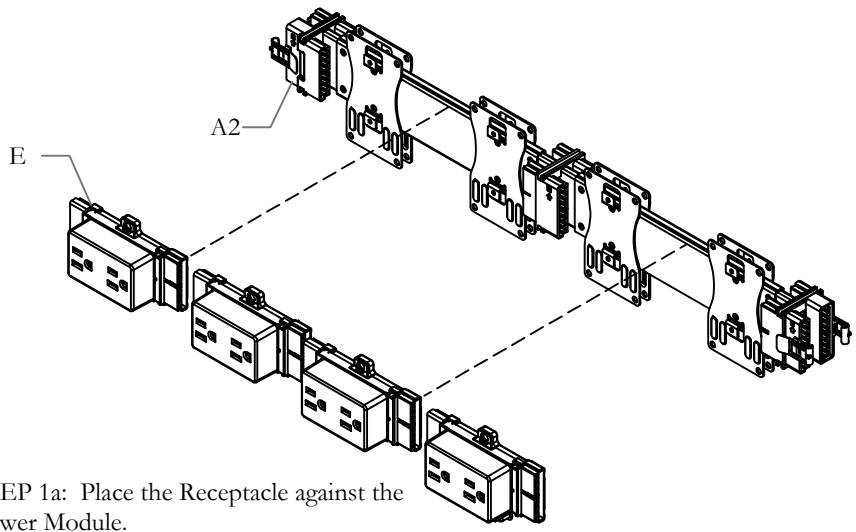
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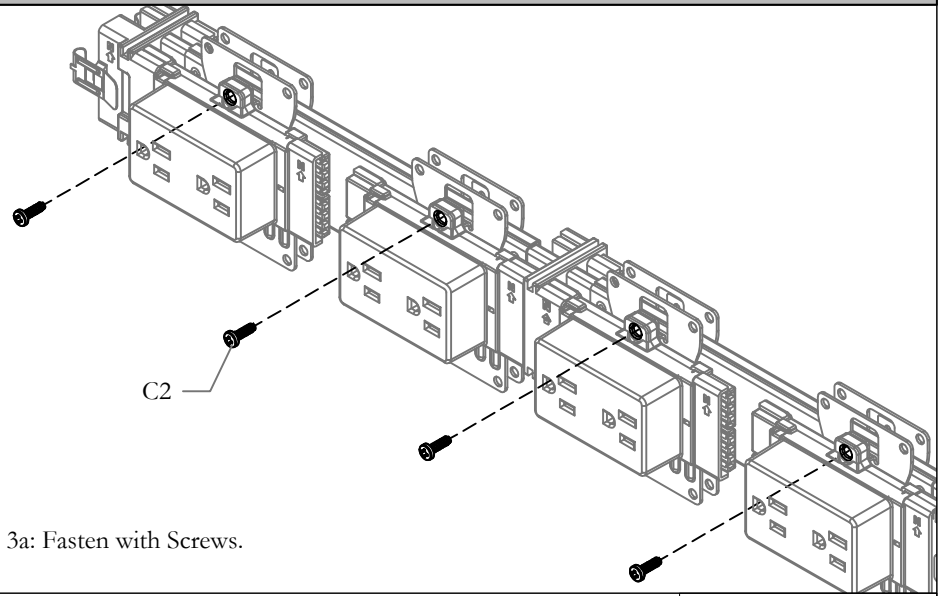
Part and Product Identification

HABEPMH		A1 - Standard Power Module (HABEPMS) x1
		B1 - Power Module Covers (MPA15-E784) x1
		C1 - 8 x 1/2" RND, ROB, Zinc type B (FS8 x 1.2-RRB) x11
		D1 - Mounting Bracket (MPA15-E783) x2
HABEPMH		A2 - High Capacity Power Module (HABEPMH) x1
		B2 - Power Module Covers (MPA15-E784) x2
		C2 - 8 x 1/2" RND, ROB, Zinc type B (FS8 x 1.2-RRB) x 22
		D2 - Mounting Bracket (MPA15-E783) x4
		A3 - Chicago Power Module (HABEPMCH) x1
		E - Receptacle Outlet (HABERO) Standard Power Module x2 High Capacity Power Module x4
		F - Power Harness (HABEPH) x1
		G - I-Connector (HABEIC) x1
		H - #8-18 x 1/2" Cross Square Comb. Self (E07-0012) xVaries

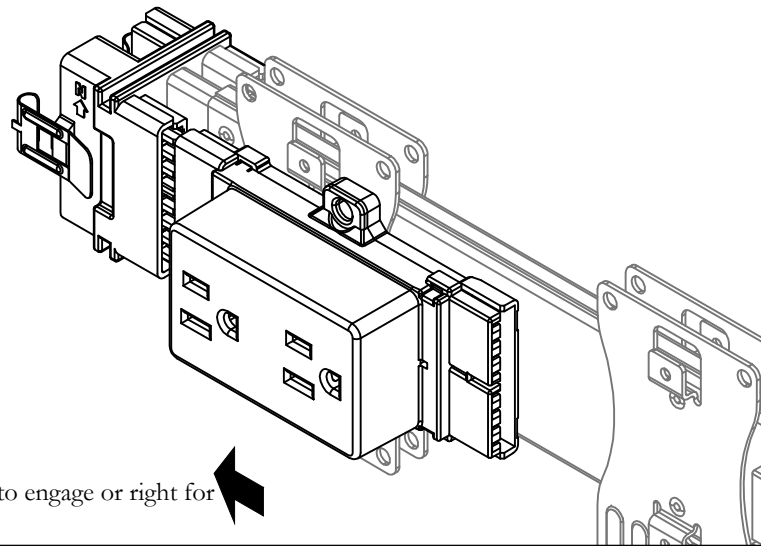
HIGH CAPACITY POWER MODULE ASSEMBLY



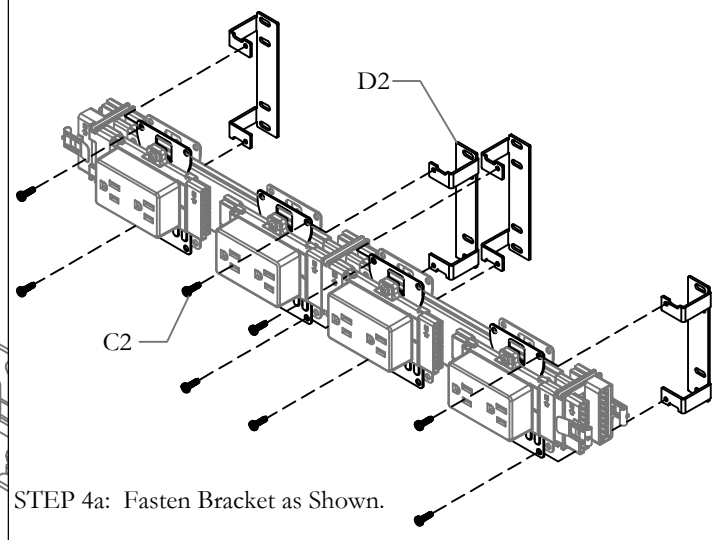
STEP 1a: Place the Receptacle against the Power Module.



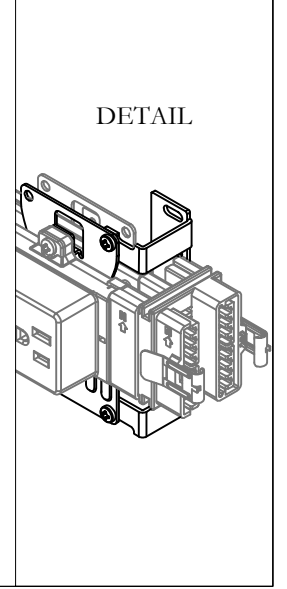
STEP 3a: Fasten with Screws.



STEP 2a: Slide to left to engage or right for the right receptacle.

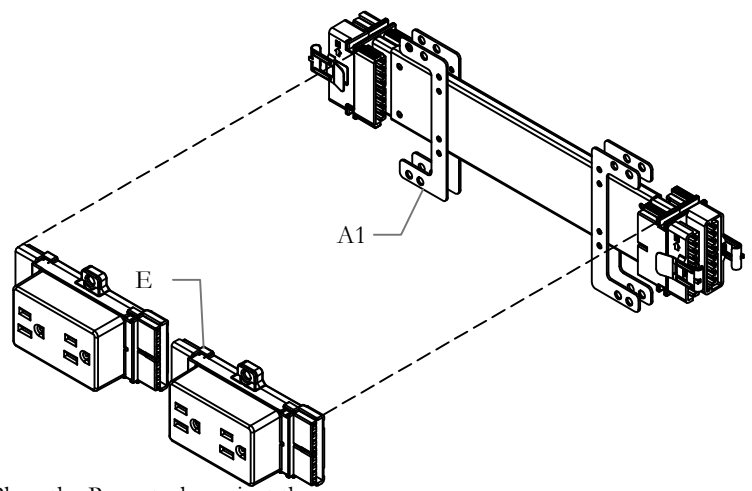


STEP 4a: Fasten Bracket as Shown.

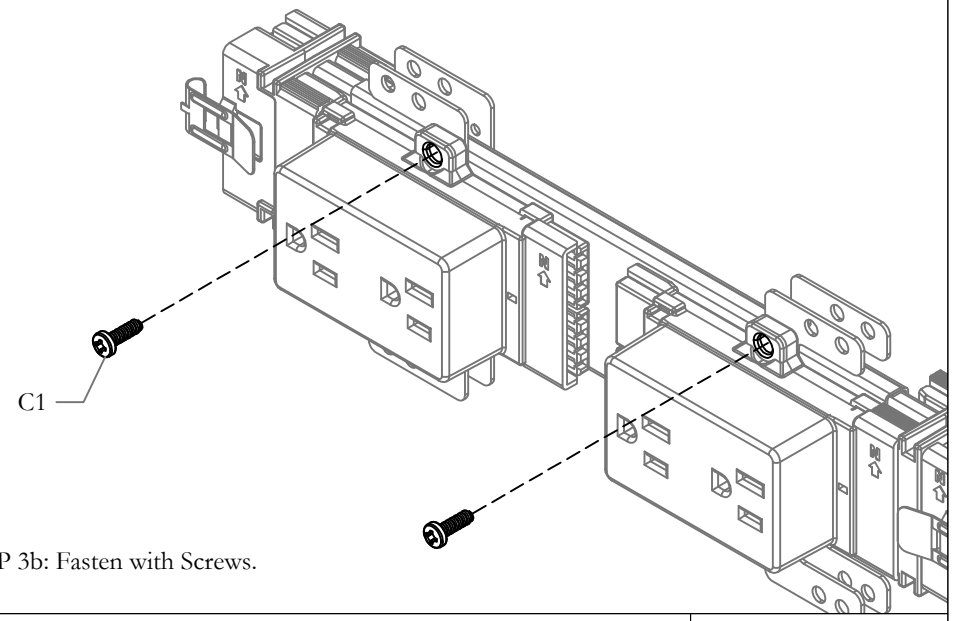


DETAIL

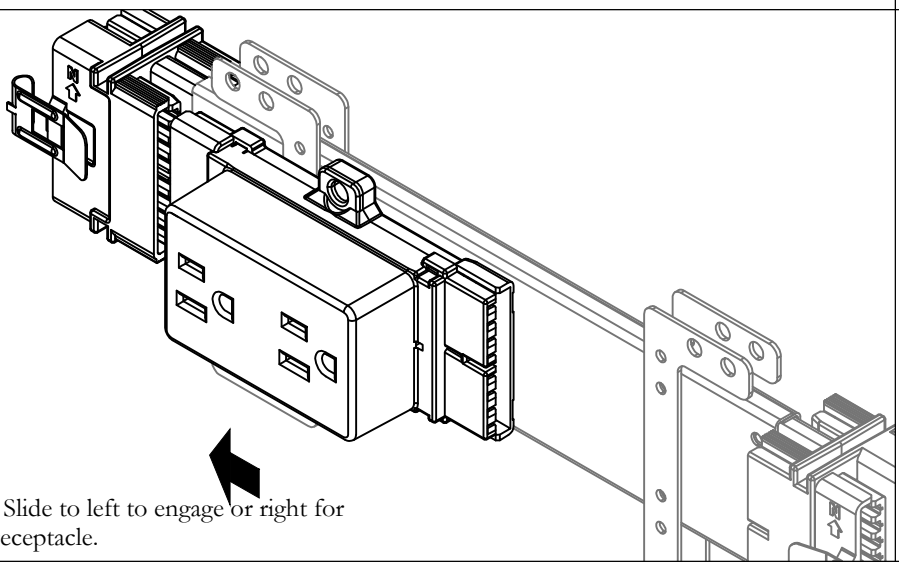
STANDARD POWER MODULE ASSEMBLY



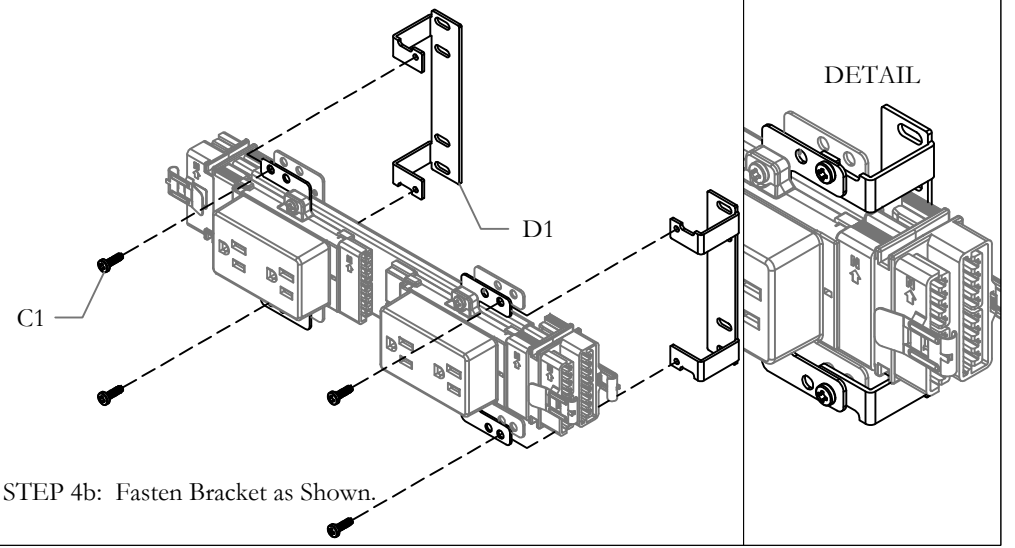
STEP 1b: Place the Receptacle against the Power Module.



STEP 3b: Fasten with Screws.

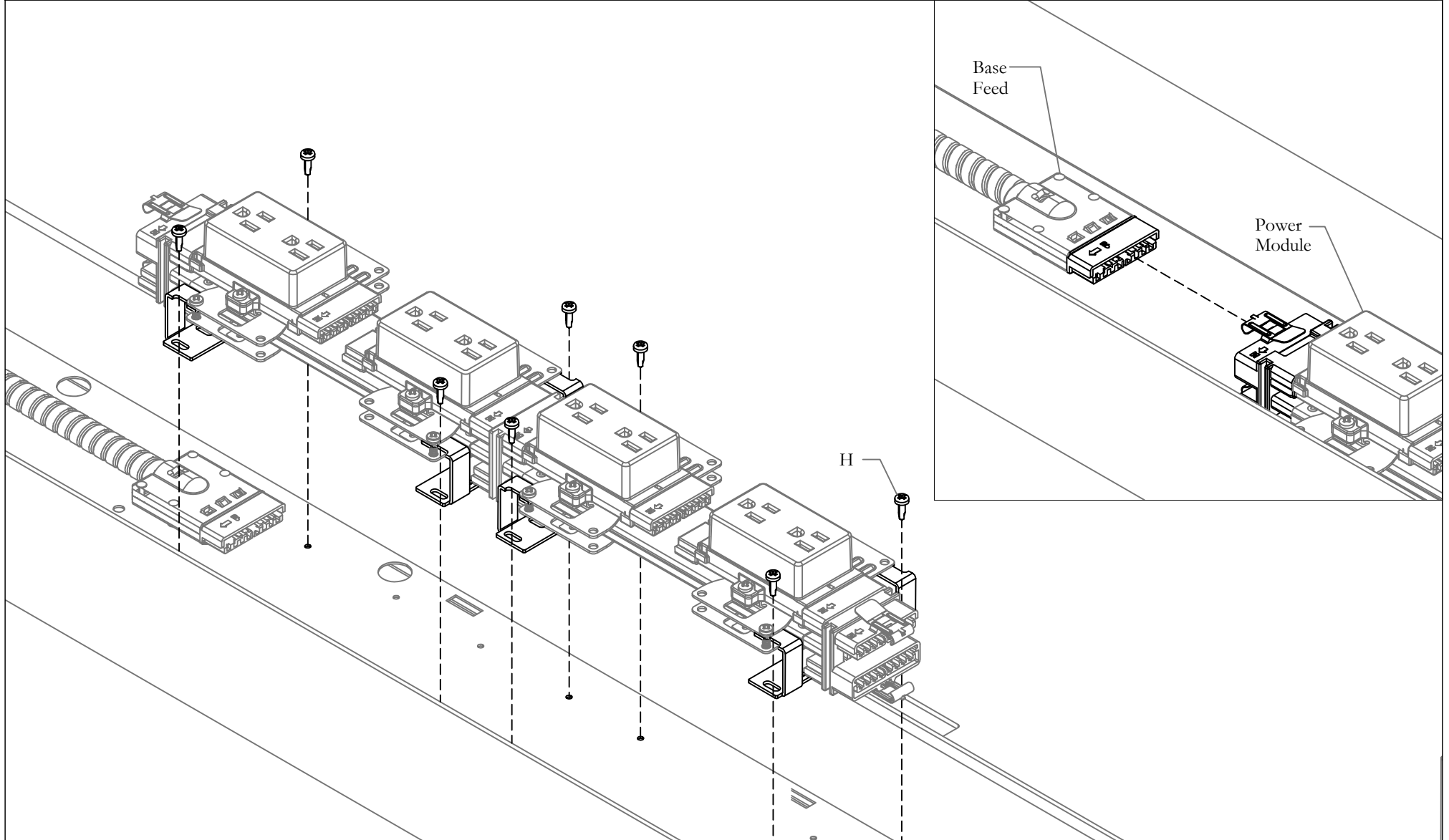


STEP 2b: Slide to left to engage or right for the right receptacle.



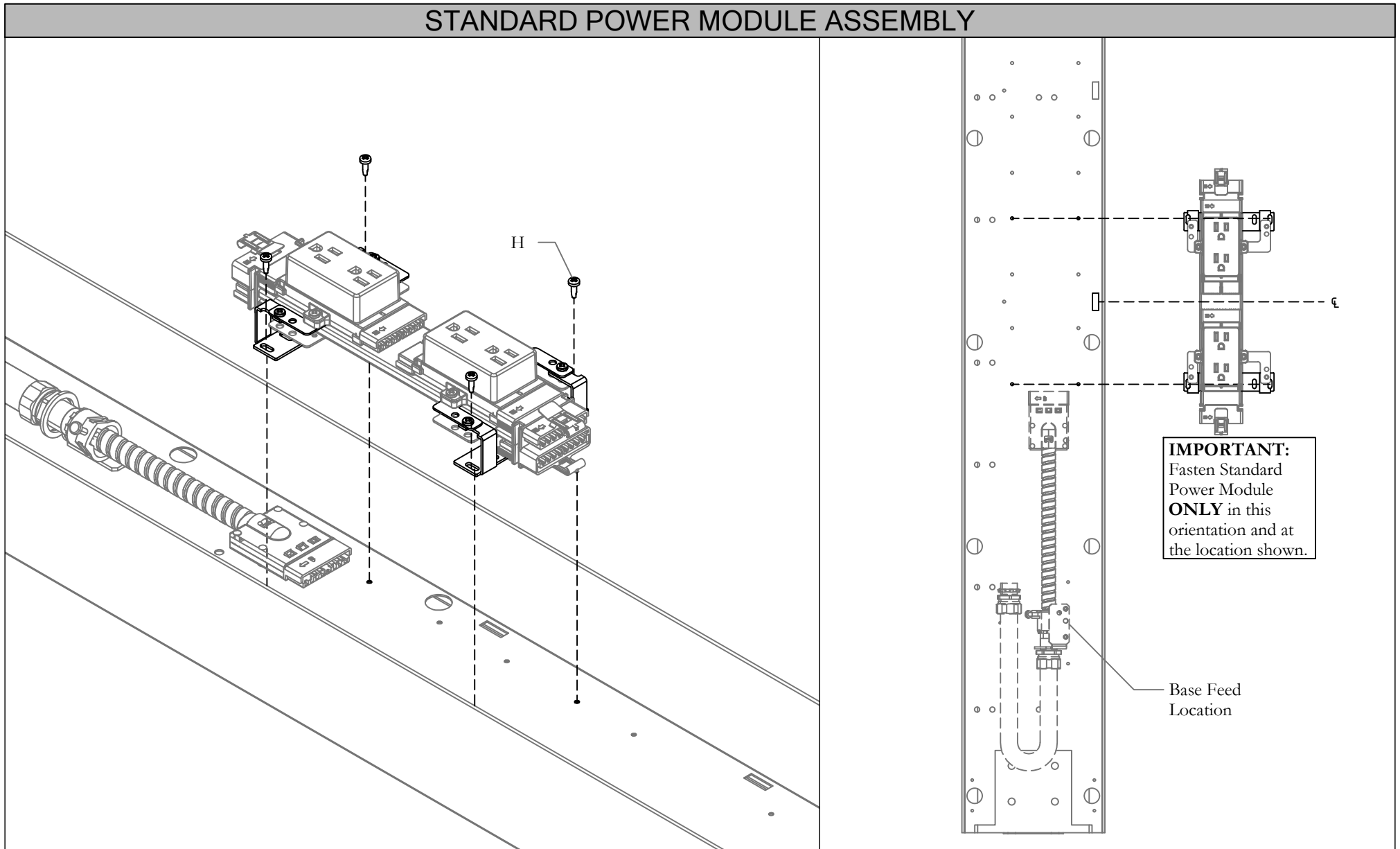
STEP 4b: Fasten Bracket as Shown.

HIGH CAPACITY POWER MODULE ASSEMBLY



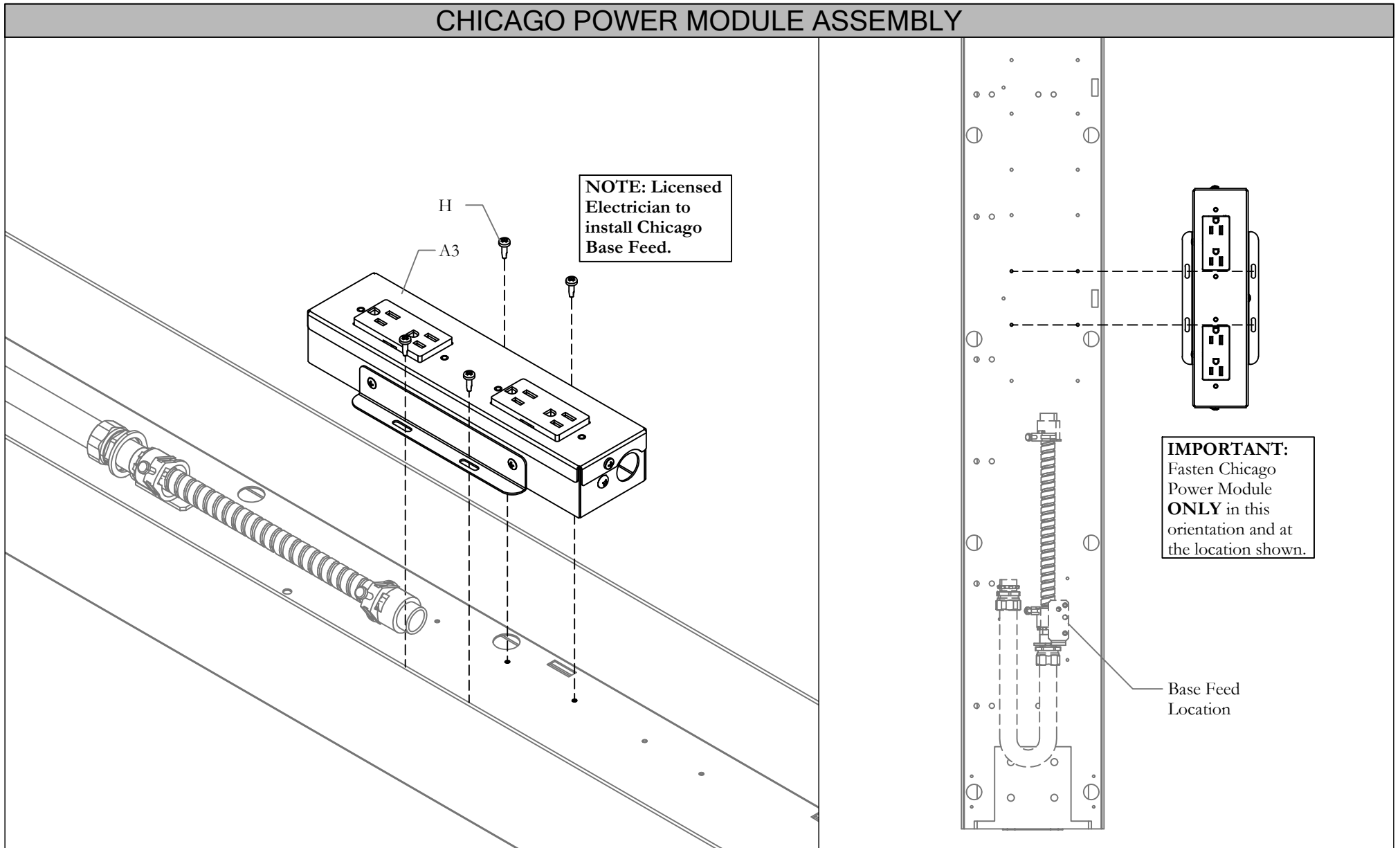
STEP 5a: Fasten Power Module assembly to underside of Cable Tray. Make sure to lineup holes of Cable tray to holes of Brackets.

STANDARD POWER MODULE ASSEMBLY



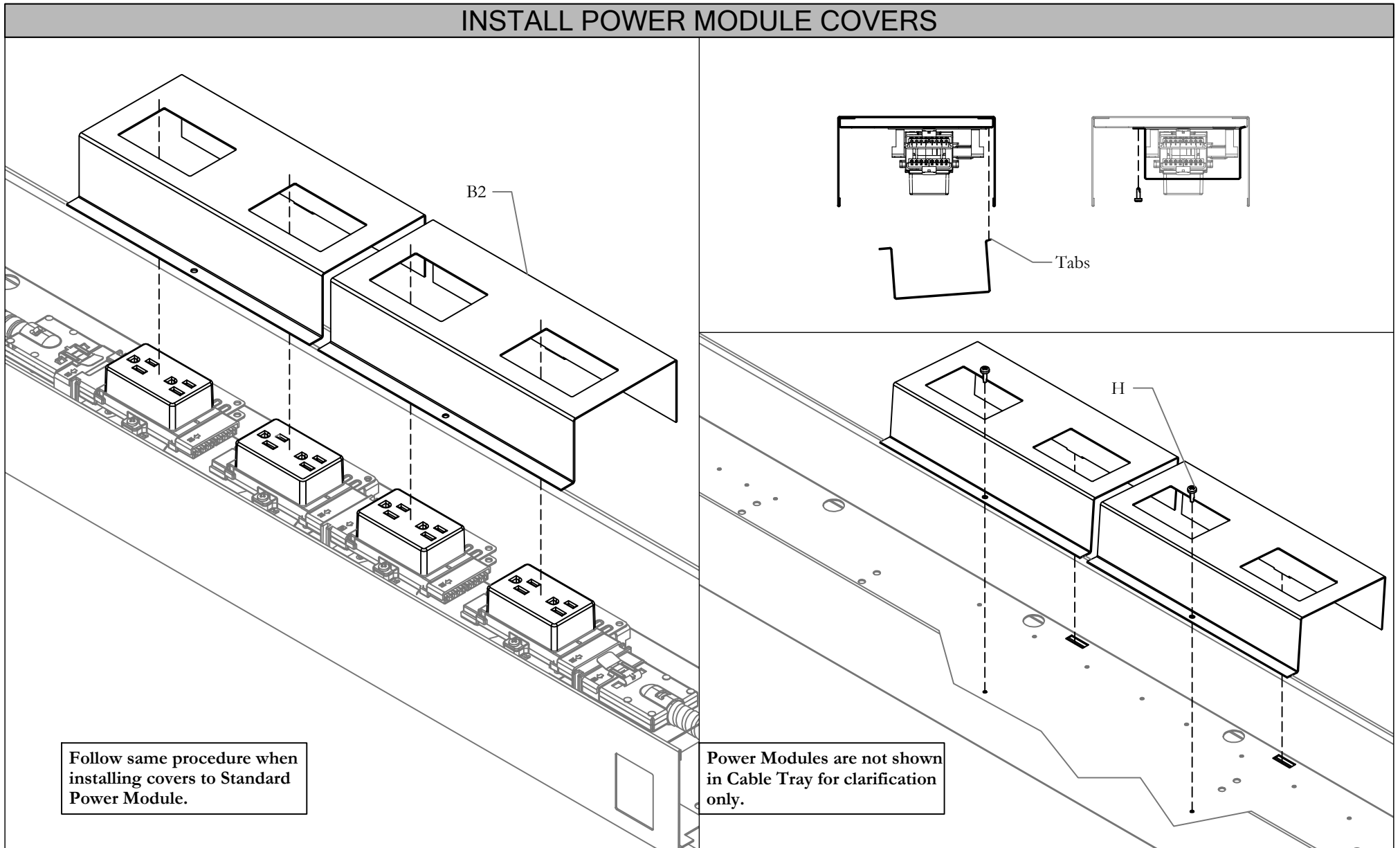
STEP 5b: Fasten Power Module assembly to underside of Cable Tray. Make sure to lineup holes of Cable tray to holes of Brackets.

CHICAGO POWER MODULE ASSEMBLY



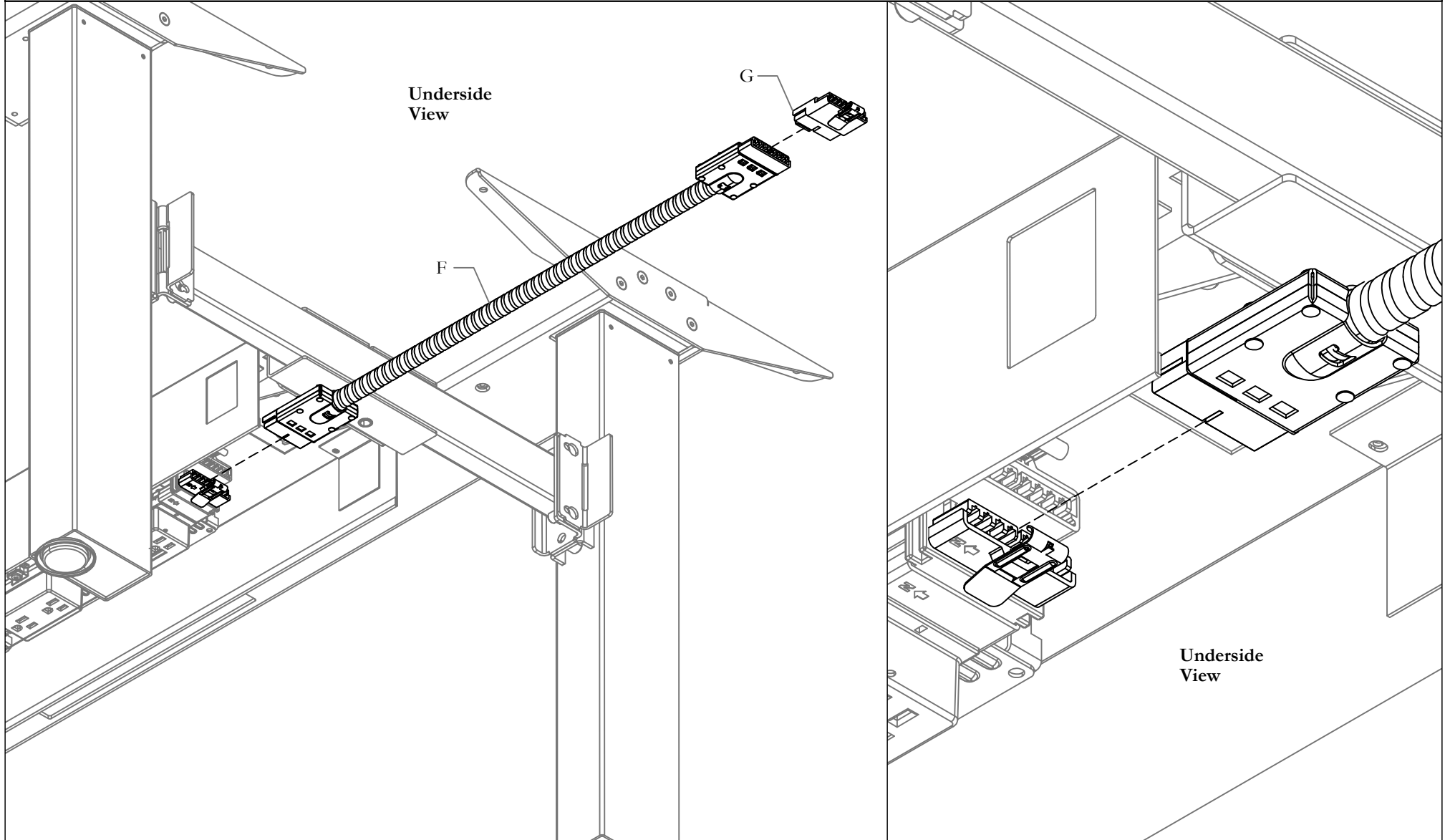
STEP 5c: Fasten Chicago Power Module assembly to underside of Cable Tray. Make sure to lineup holes of Cable tray to holes of Brackets.

INSTALL POWER MODULE COVERS



STEP 6: Install Cover by inserting tabs of Cover inside cutouts of Cable Channel and fasten with screws. Make sure to lineup holes of cover with holes located under the Cable Tray.

POWER HARNESS

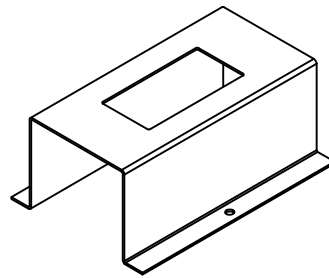


STEP 7: Connect Power Harness to Power Module and I-Connector to Power Harness

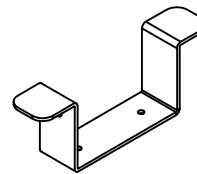
NOTE



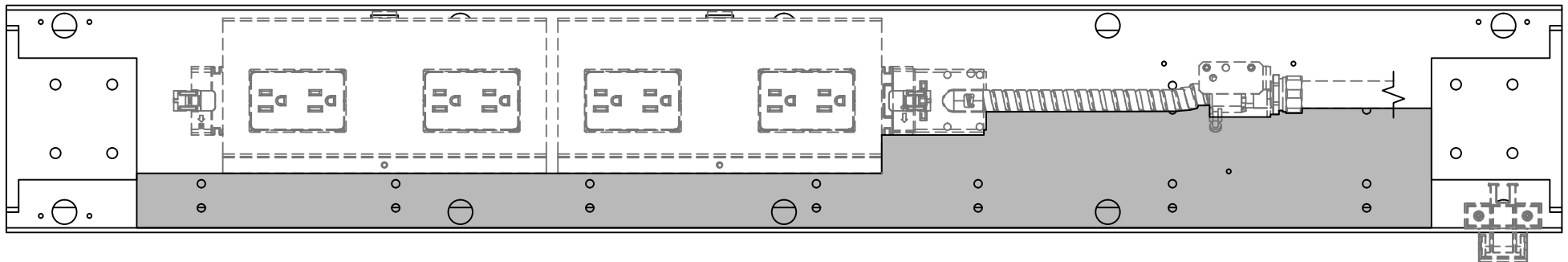
M-Clips



Data Cover



Wire Management Bracket



Installers to determine the layout for the data, wire management bracket and m-clips in the hatched area.

height-adjustable bench *Installation Guides*

Section: **ELECTRICS**

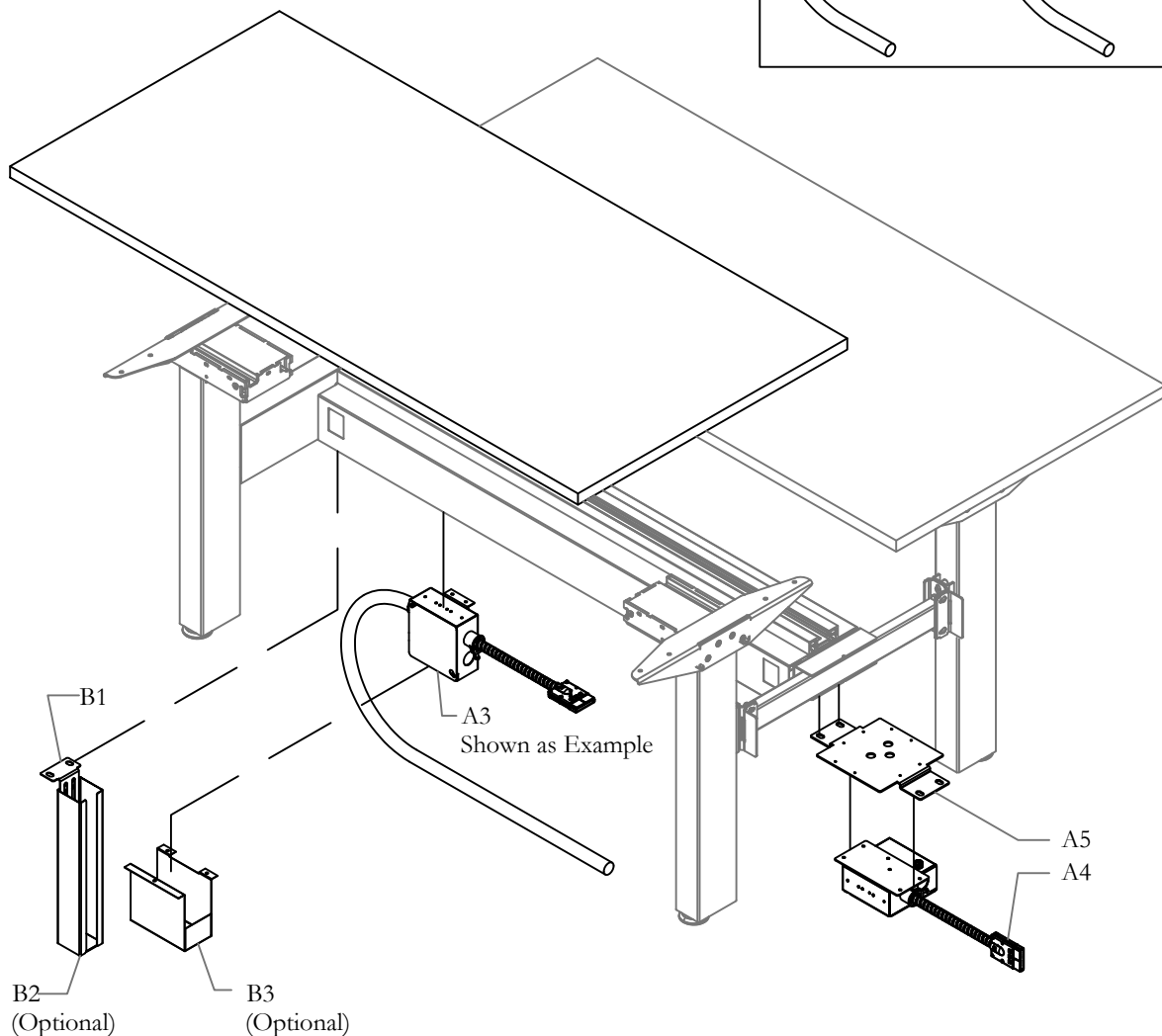
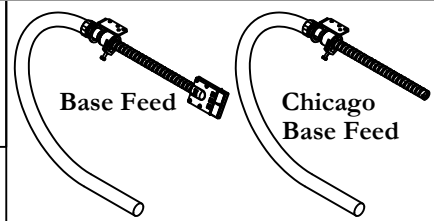
Description: **BASE FEED, BASE FEED COVER AND MID BASE FEED**

teknion

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HABL_301b Rev. No: 3

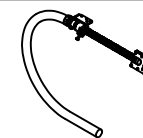
Base Feed End Condition (HABEBF), Split Base Feed (HABEBFS), Chicago Base Feed End Condition (HABEBFCH), Base Feed Cover (HABEBC), Base Feed Mid Condition (HABEBF__M)

NOTE: Table Frame shown assembled in context only. Assemble Electrical Components to Cable Tray before installing to Table Frame.



Part and Product Identification

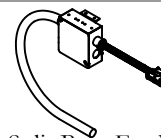
HABEBF



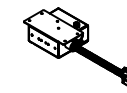
A1 - Base Feed (HABEBF) x1



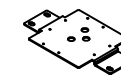
A2 - Chicago Base Feed (HABEBFCH) x1



A3 - Split Base Feed (HABEBFS) x1



A4 - Base Feed Mid Condition (HABEBF__M) x1



A5 - Base Feed Middle Bracket (MPA15-E782) x1



A6 - Hex Bolt 5/16-18x1" Long (E03-0641) x6

HABEBC (Optional)



B1 - Base Feed Cover Bracket (MPA16-E085) x1



B2 - Base Feed Cover (MPA15-E776) x1



B3 - Base Feed Box (MPA15-E779) x1

X01-4284



C1 - 8 x 1/2" Tap Screw B (FS8 x 1/2RRB)x5



C2 - 1/4-20x5/8" Machine Screw (E01-0098) x2



C3 - HN_1/4 -20_ST_ZN (E03-0059) x2



C4 - Cork Cushion Pad (PFCORK-PS125) x2

height-adjustable bench *Installation Guides*

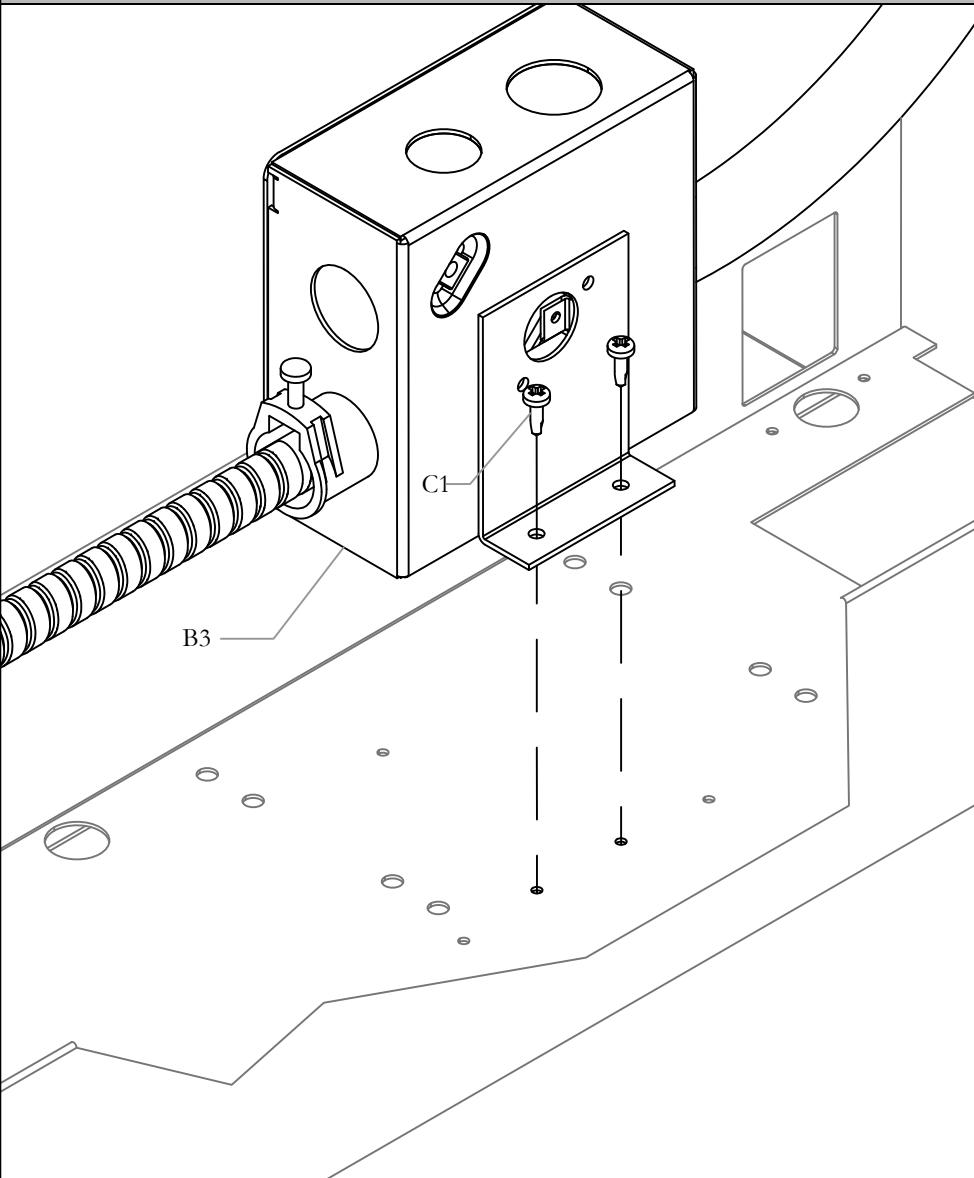
Section: **ELECTRICS**

Description: **BASE FEED, BASE FEED COVER AND MID BASE FEED**

teknion

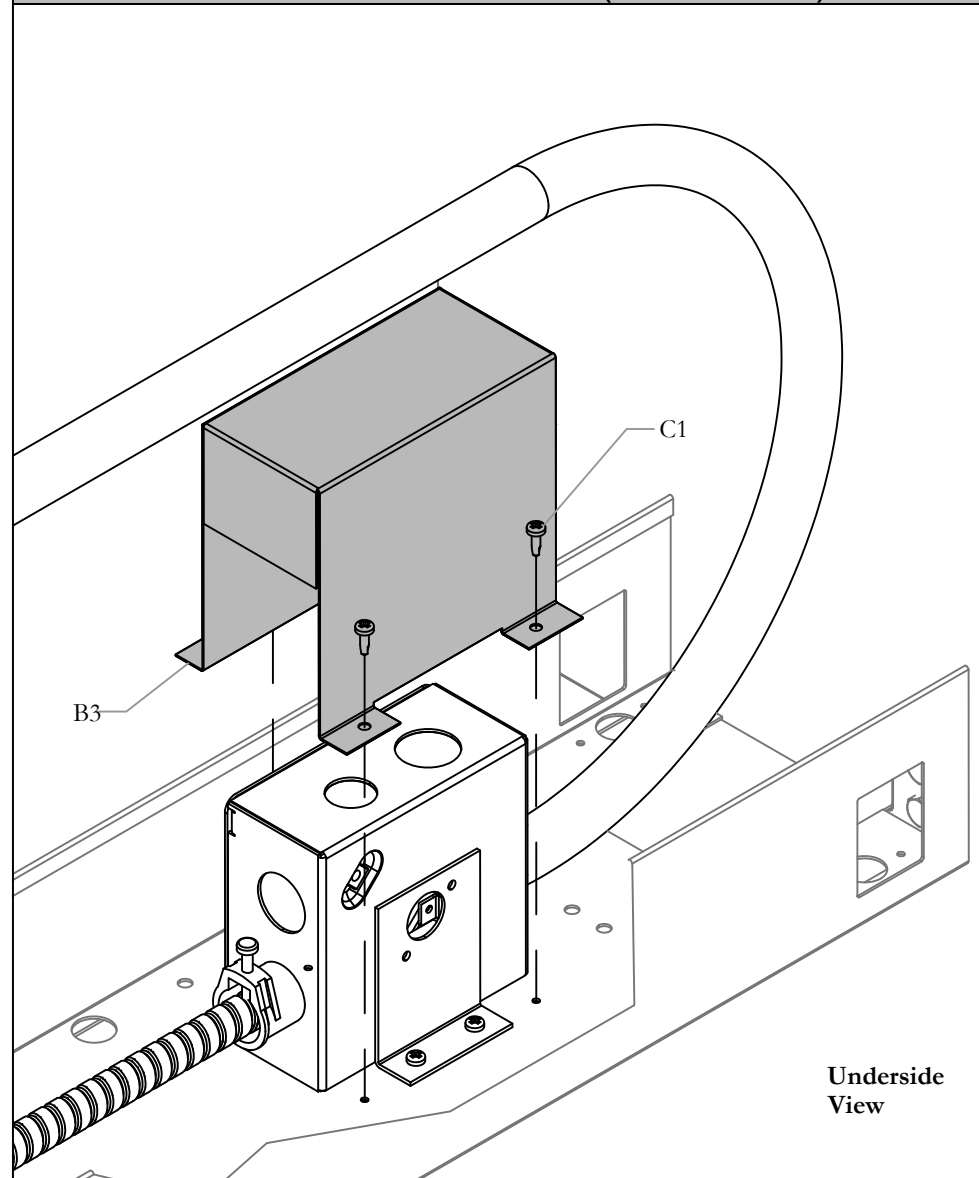
Date: May 2022 Page No: 2 of 8
HABL_301b

INSTALL SPLIT BASE FEED



STEP 1a: Install Split Base Feed.

INSTALL BOX COVER (OPTIONAL)



STEP 1b: Install Box Cover

Underside
View

height-adjustable bench *Installation Guides*

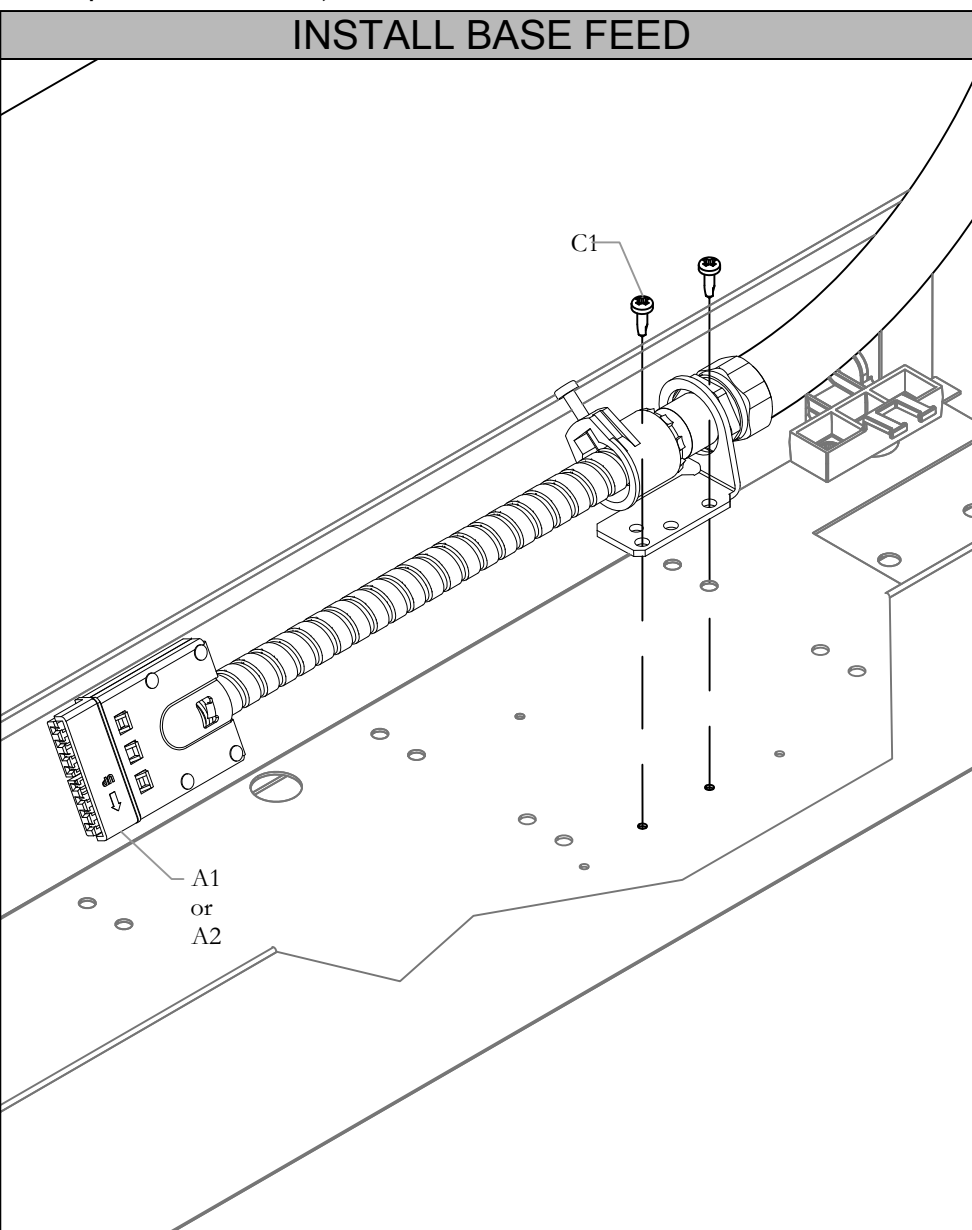
Section: **ELECTRICS**

Description: **BASE FEED, BASE FEED COVER AND MID BASE FEED**

teknion

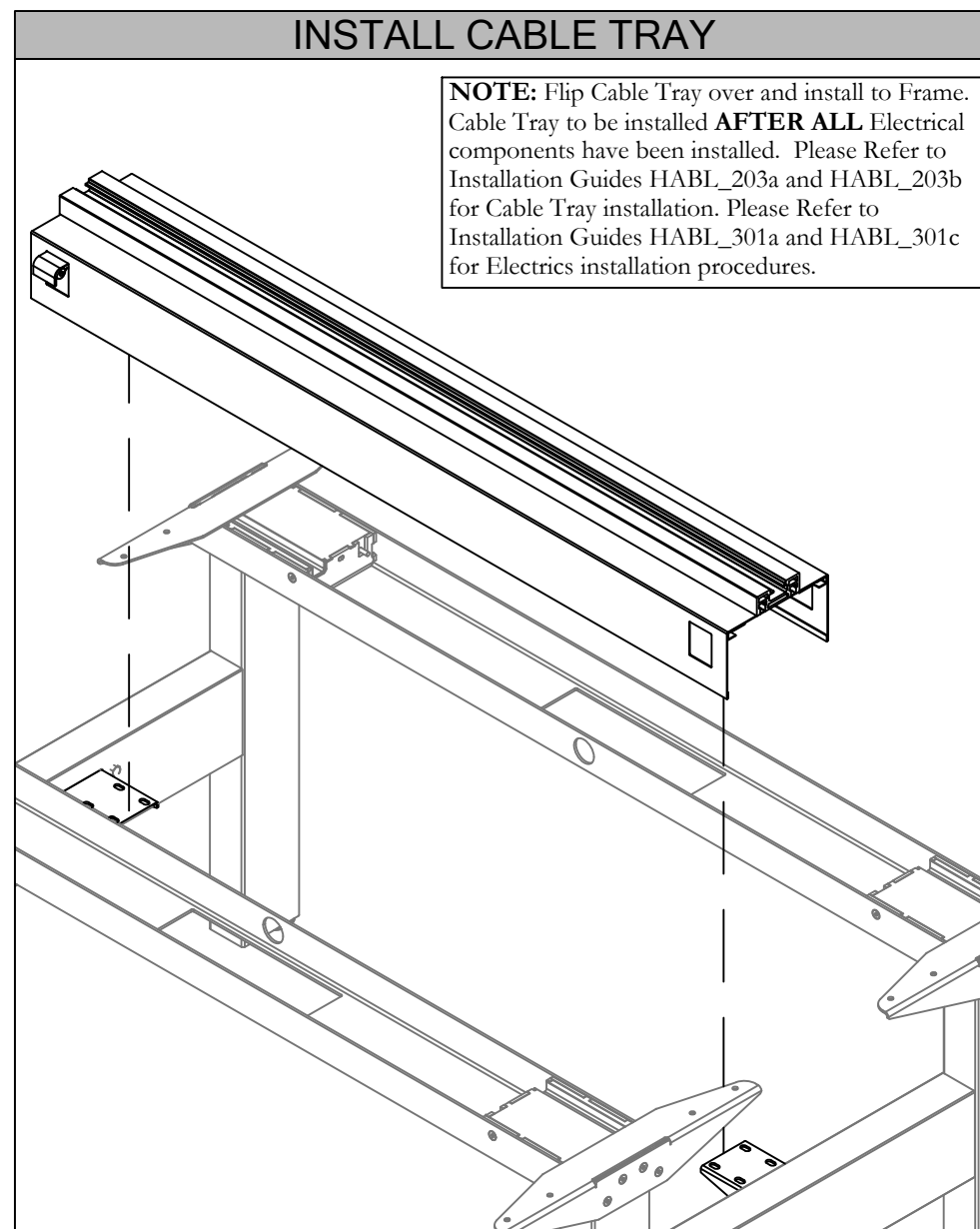
Date: May 2022 Page No: 3 of 8
HABL_301b

INSTALL BASE FEED



STEP 2: Install Base Feed.

INSTALL CABLE TRAY



STEP 3: Insert Cable Tray.

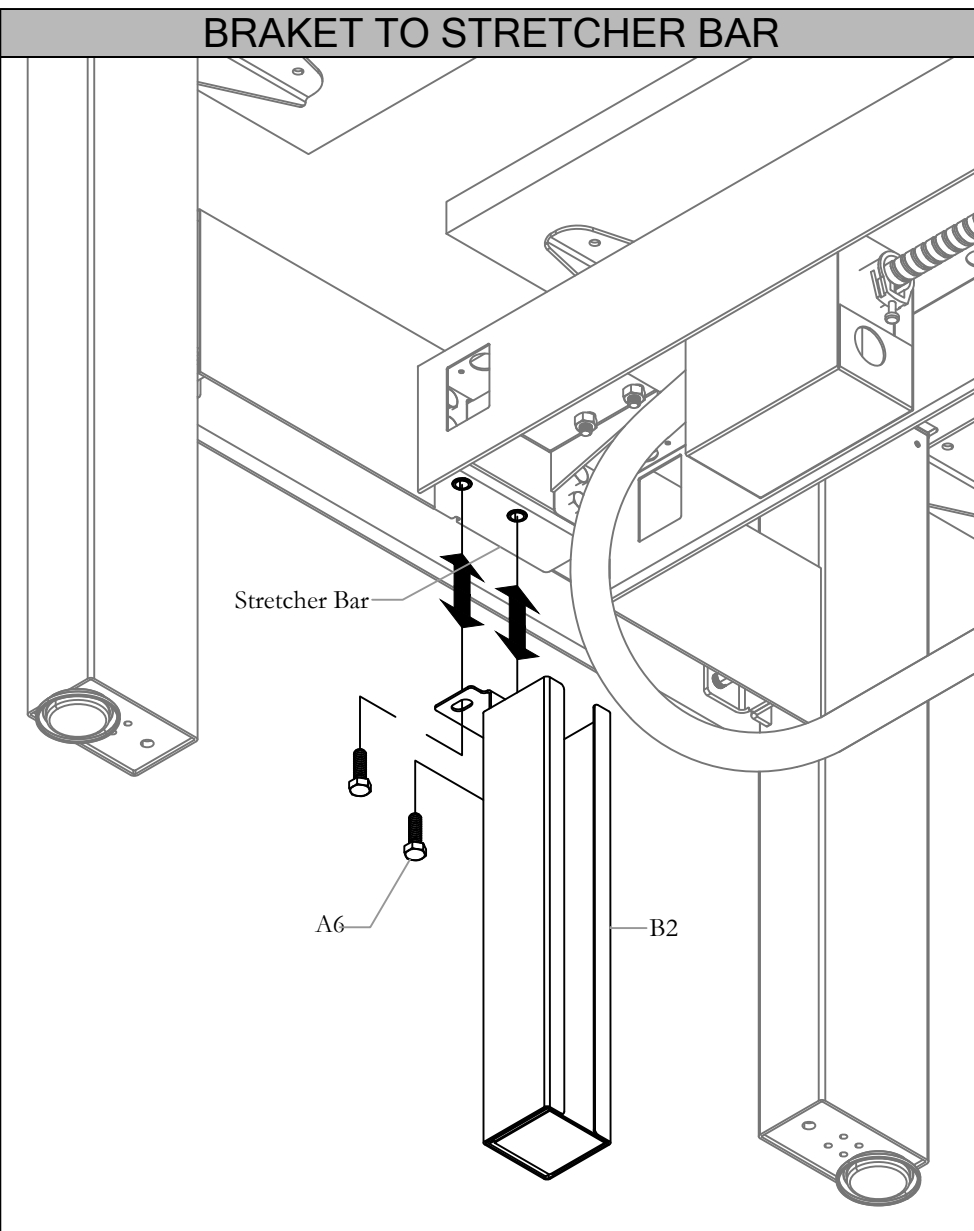
height-adjustable bench *Installation Guides*

Section: **ELECTRICS**

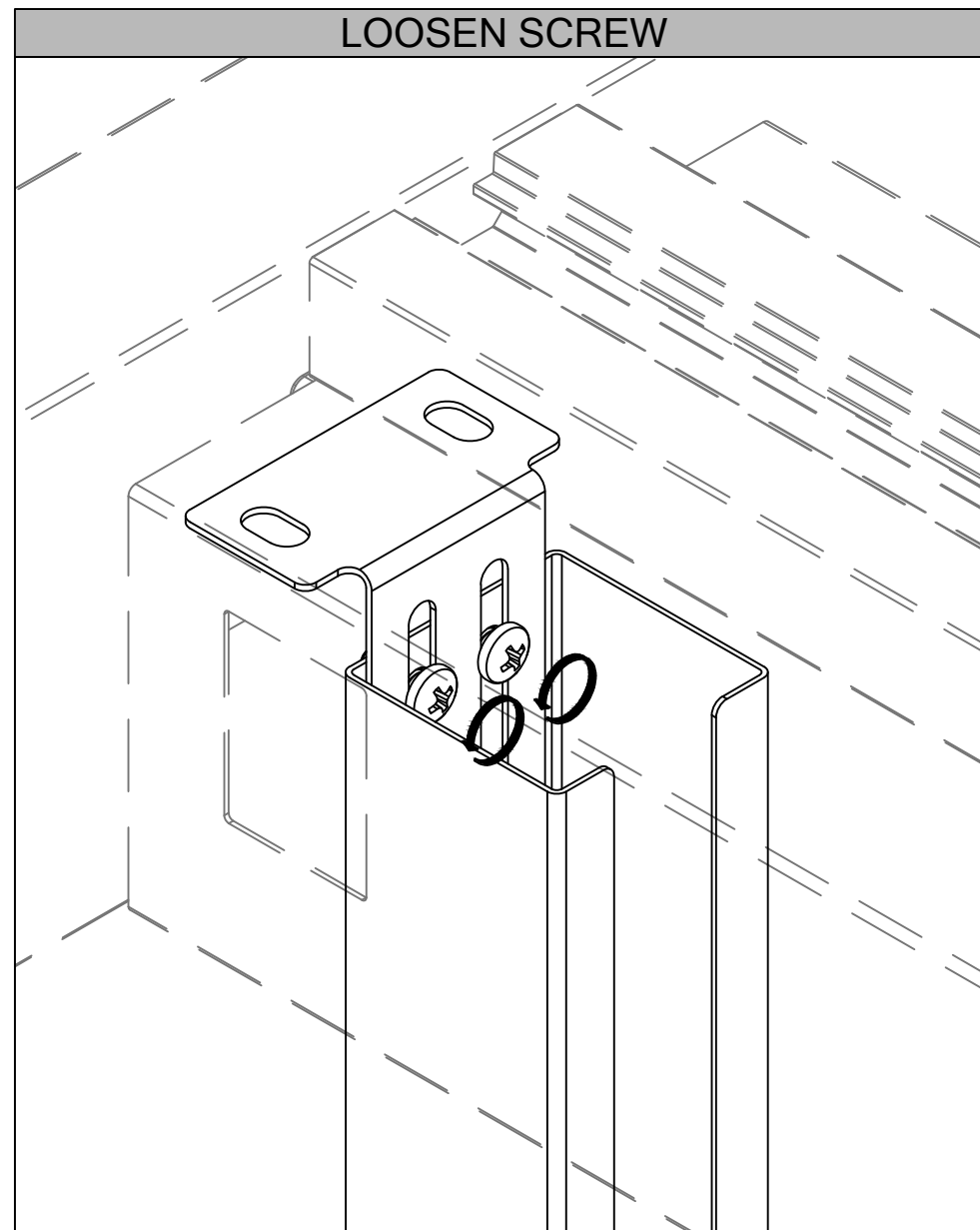
Description: **BASE FEED, BASE FEED COVER AND MID BASE FEED**

teknion

Date: May 2022 Page No: 4 of 8
HABL_301b



STEP 4: Fasten Bracket to underside of Stretcher Bar.



STEP 5: Loosen screw to allow the cover bracket to adjust in height.

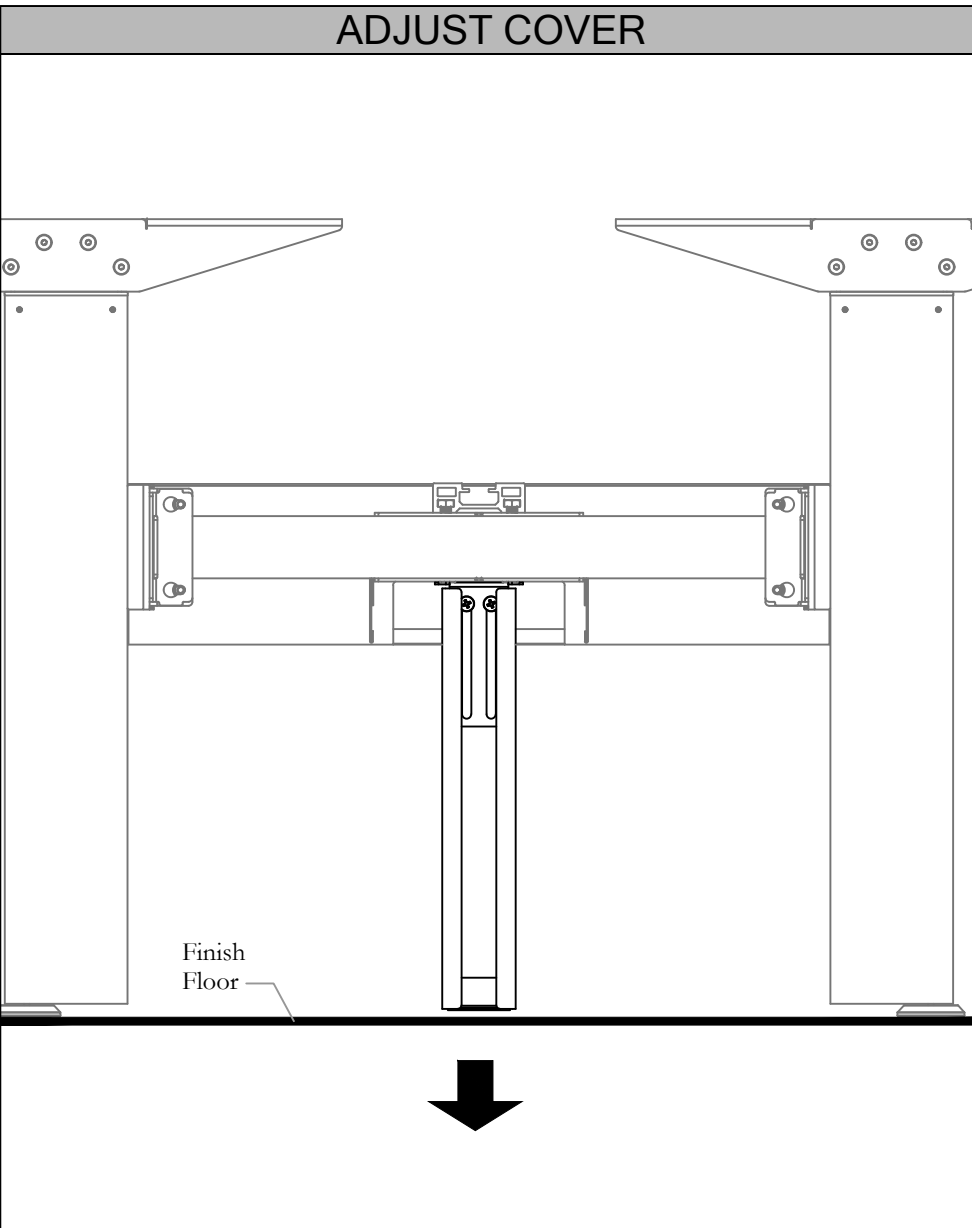
height-adjustable bench *Installation Guides*

Section: **ELECTRICS**

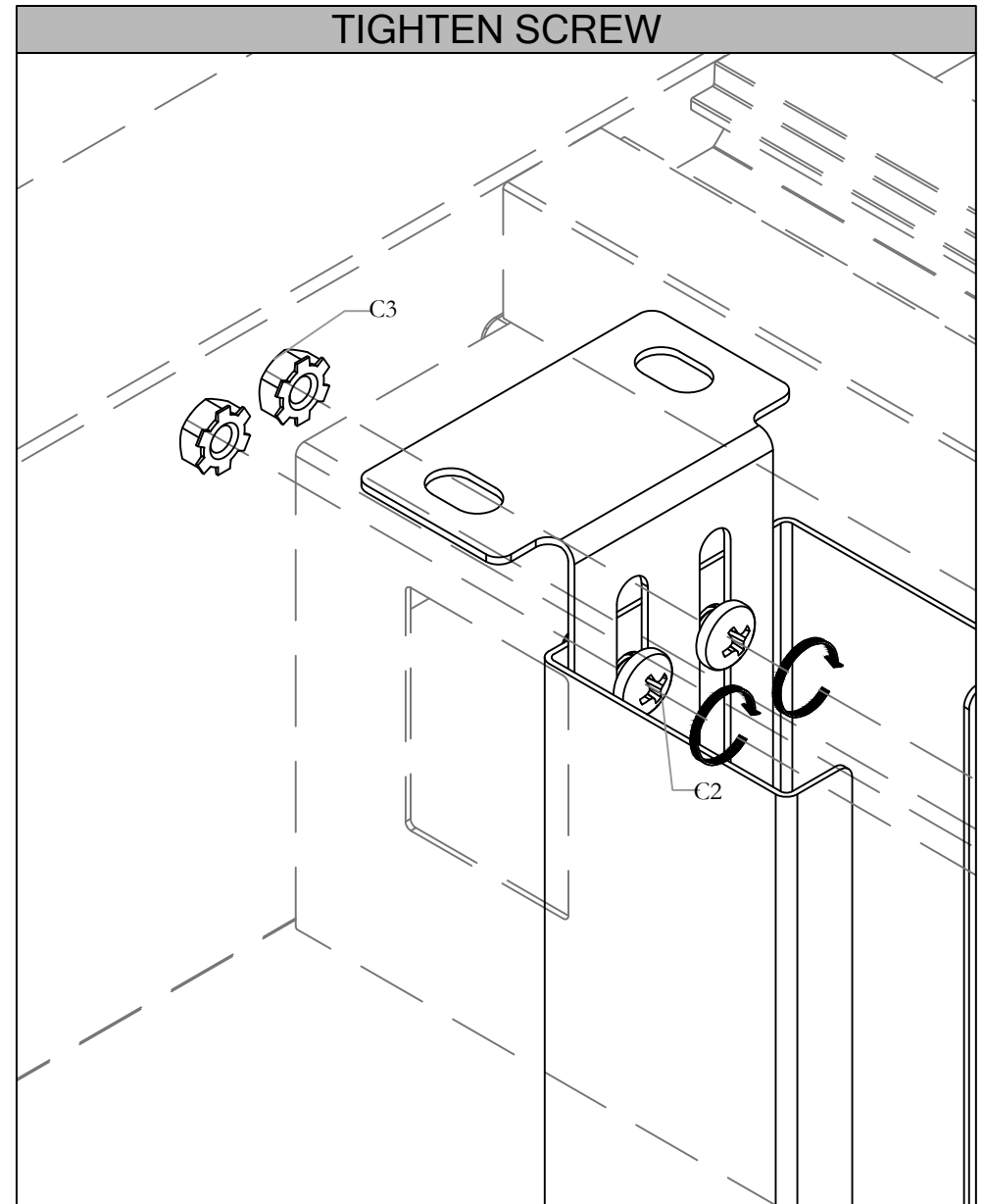
Description: **BASE FEED, BASE FEED COVER AND MID BASE FEED**

teknion

Date: May 2022 Page No: 5 of 8
HABL_301b



STEP 6: Adjust Cover so it rest on Finish Floor.



STEP 7: Tighten Screws.

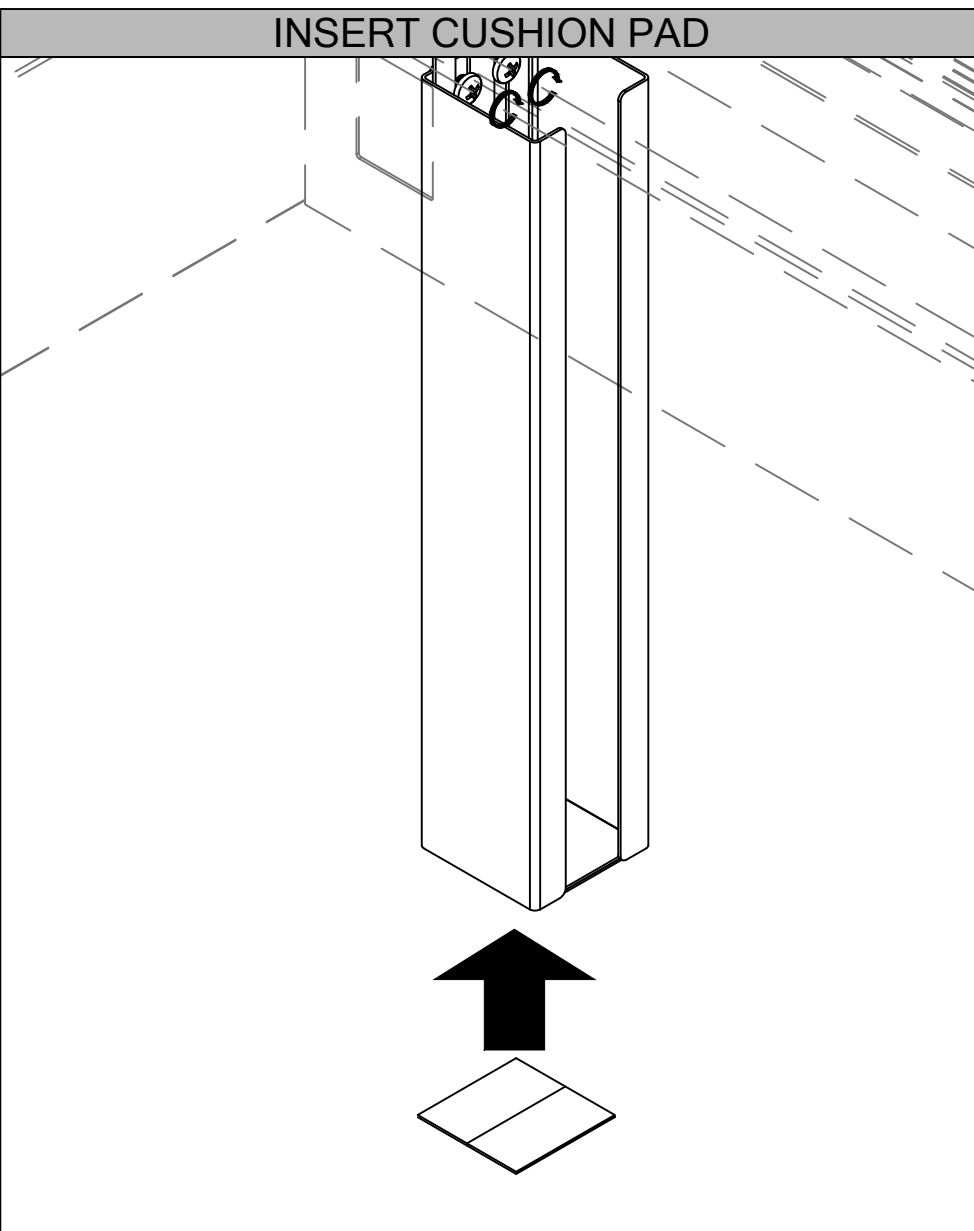
height-adjustable bench *Installation Guides*

Section: **ELECTRICS**

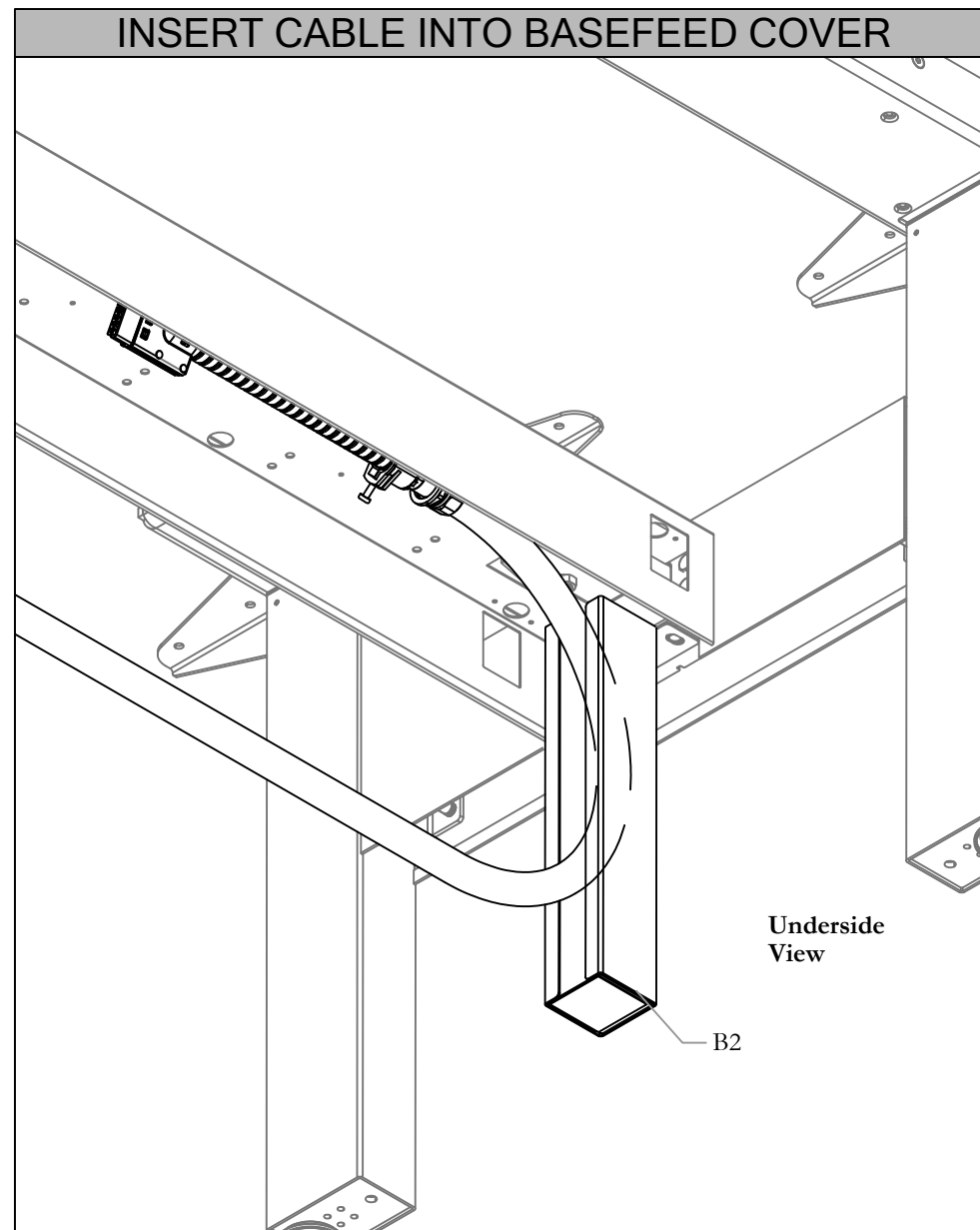
Description: **BASE FEED, BASE FEED COVER AND MID BASE FEED**

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Date: May 2022 Page No: 6 of 8
HABL_301b

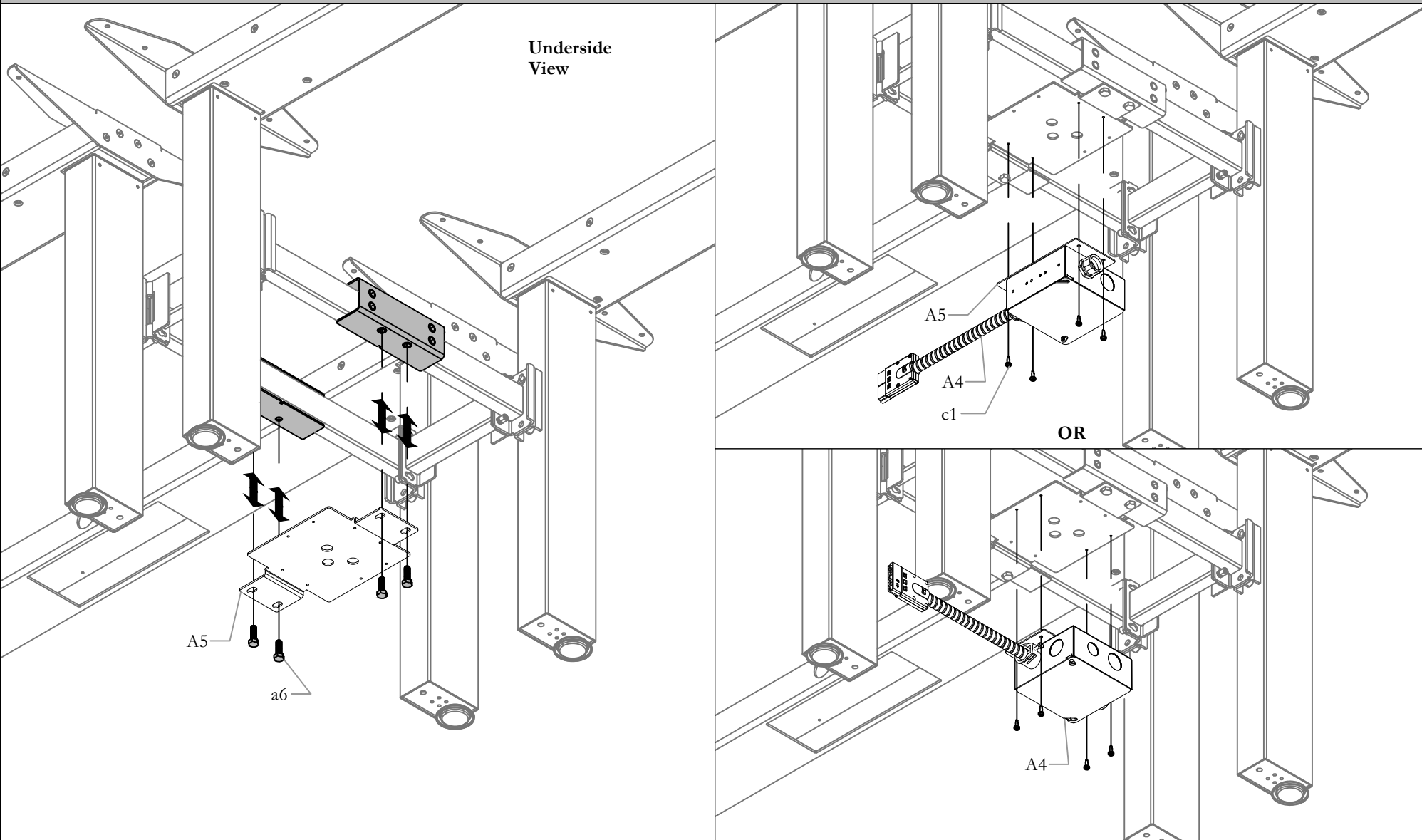


STEP 8: Insert Cushion Pad in the Bottom



STEP 9: Insert Base Feed Cable into Base Feed Cover as shown on illustration above.

INSTALL MID BASE FEED



STEP 9: Fasten Middle bracket and Mid Base Feed. Install assembly to Stretcher Bars as shown.

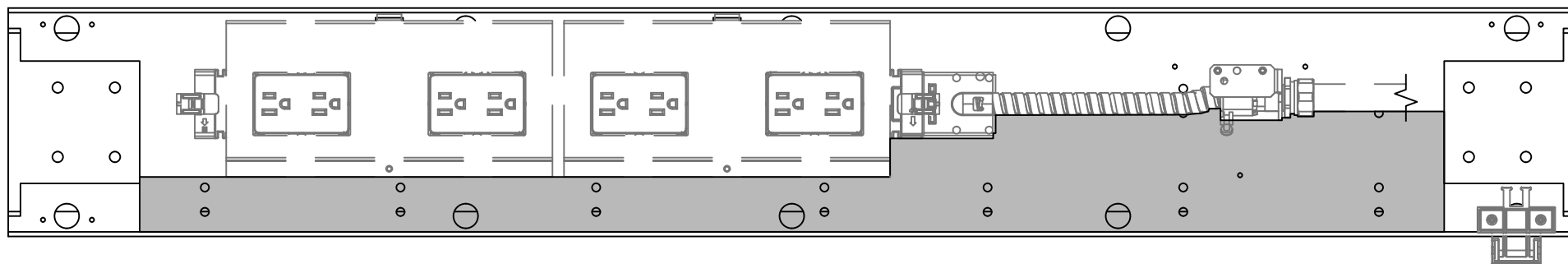
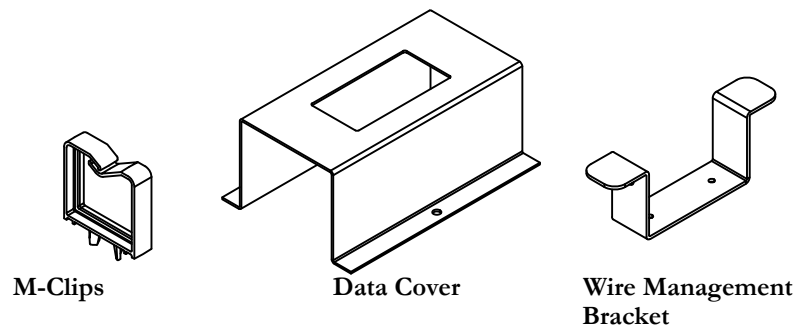
height-adjustable bench *Installation Guides*

Section: **ELECTRICS**

Description: **BASE FEED, BASE FEED COVER AND MID BASE FEED**

Date: May 2022 Page No: 8 of 8
HABL_301b

NOTE



Installers to determine the layout for the data, wire management bracket and m-clips in the hatched area.

height-adjustable bench *Installation Guides*

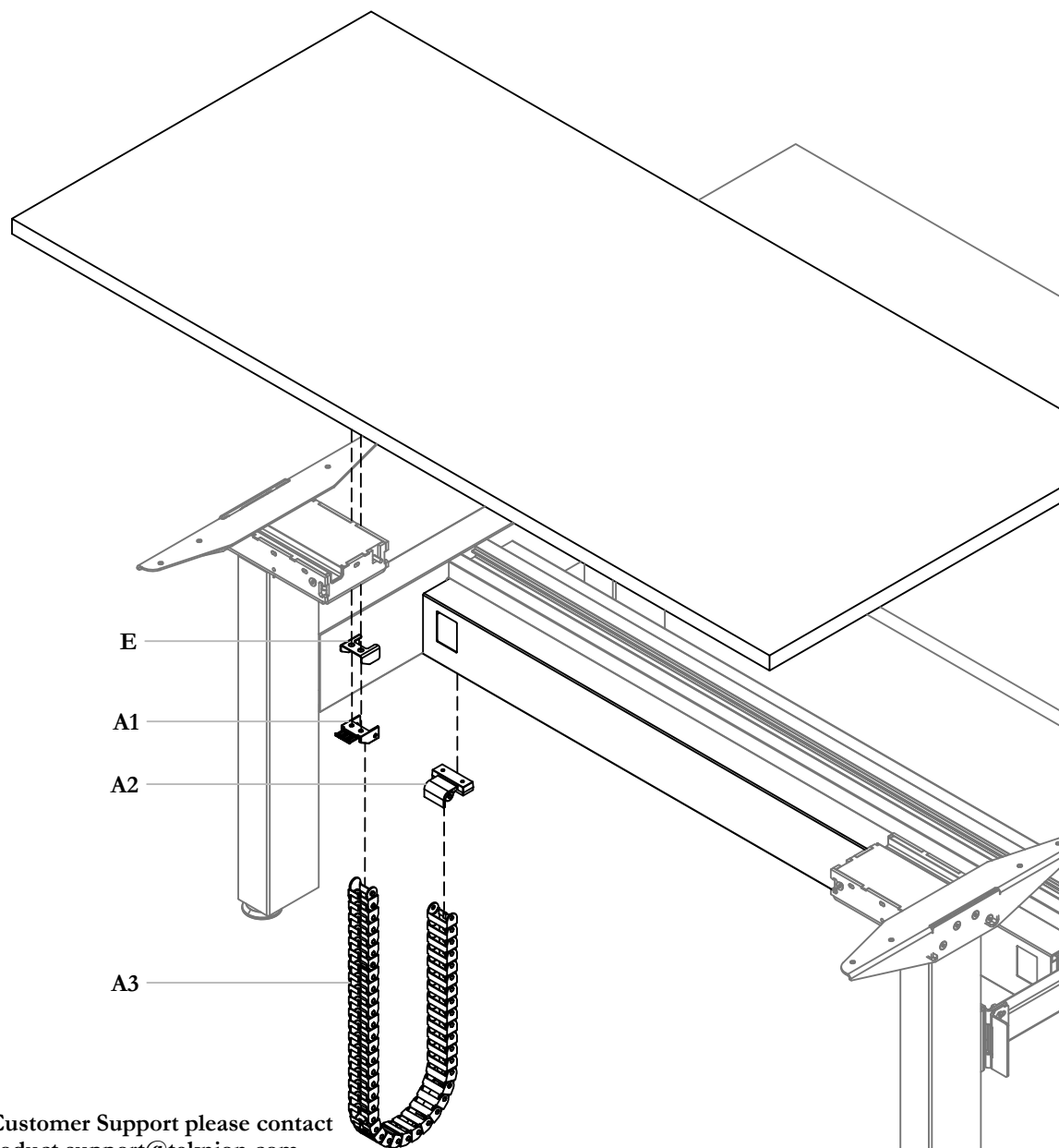
Section: **ELECTRICS**

Description: **E-CHAIN**

teknion

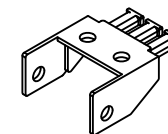
Date: May 2017 Page No: 1 of 6
HABL_301c Rev. No: 3

HAB Wire Manager E-Chain (YEEC)

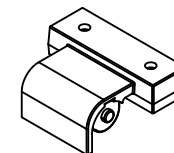


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Part and Product Identification

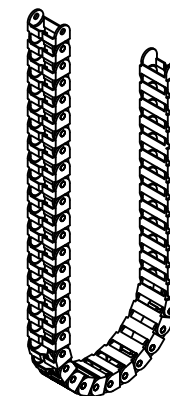


A1 - E-Chain Top Link
(B02-0542) x1



A2 - E-Chain Bottom Link
(B02-0479) x1

N09-5700 x1



A3 - E-Chain - Shortened
(B02-0549) x1



B - # 8 x 1/2 Self Tapping
Robertson Screw
(E01-1028) x2

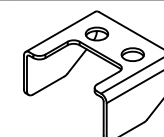


C - WD Screw Pan Quad # 12 x
7/8" Black Oxide
(E04-0087) x2

X06-0371 x1



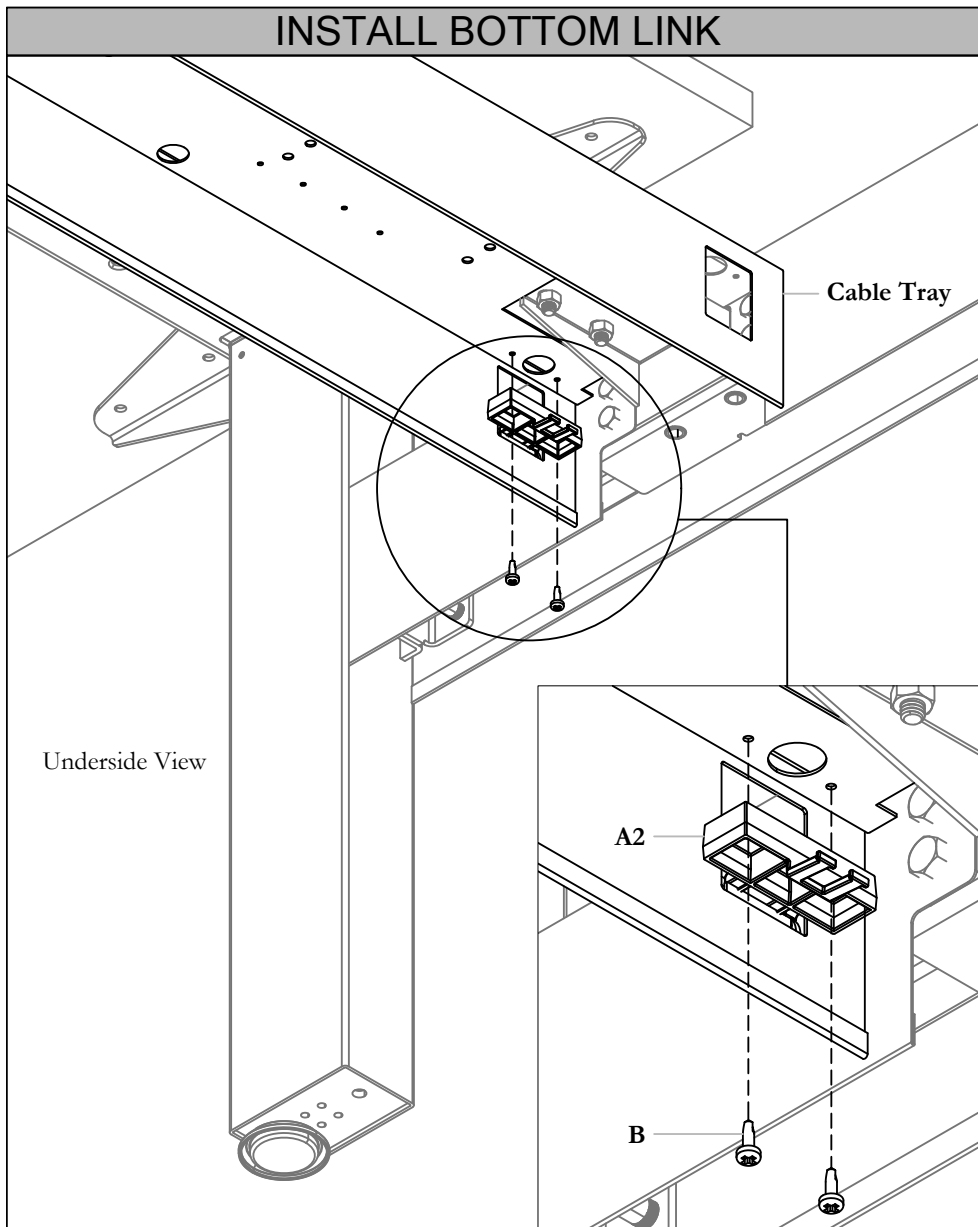
D - E-Chain Cable Tie
(B02-0545) x1



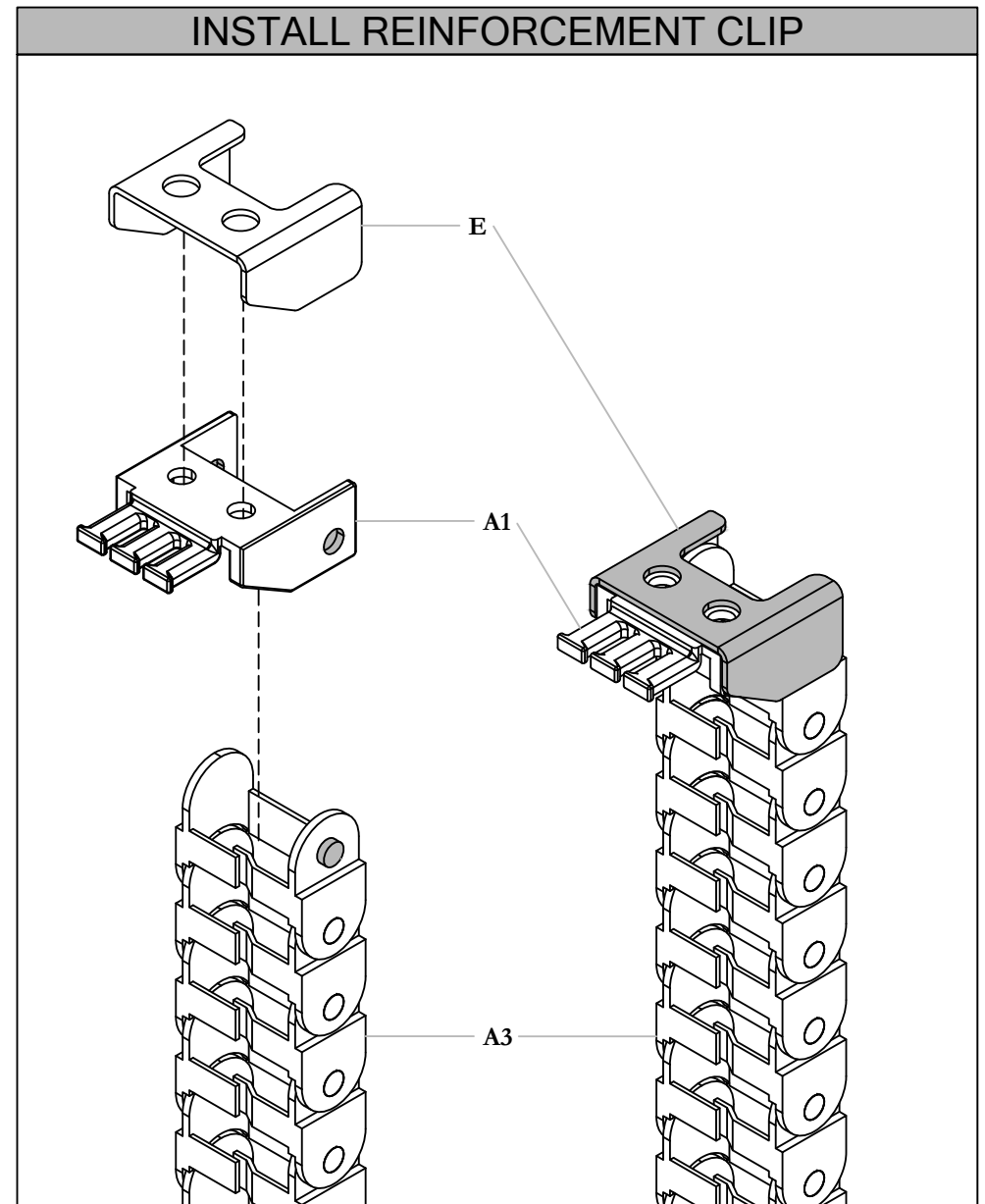
E - LV Cable Manager Retainer
Clip
(A16-3890) x1

Section: **ELECTRICS**
Description: **E-CHAIN**

Date: May 2017 Page No: 2 of 6
HABL_301c

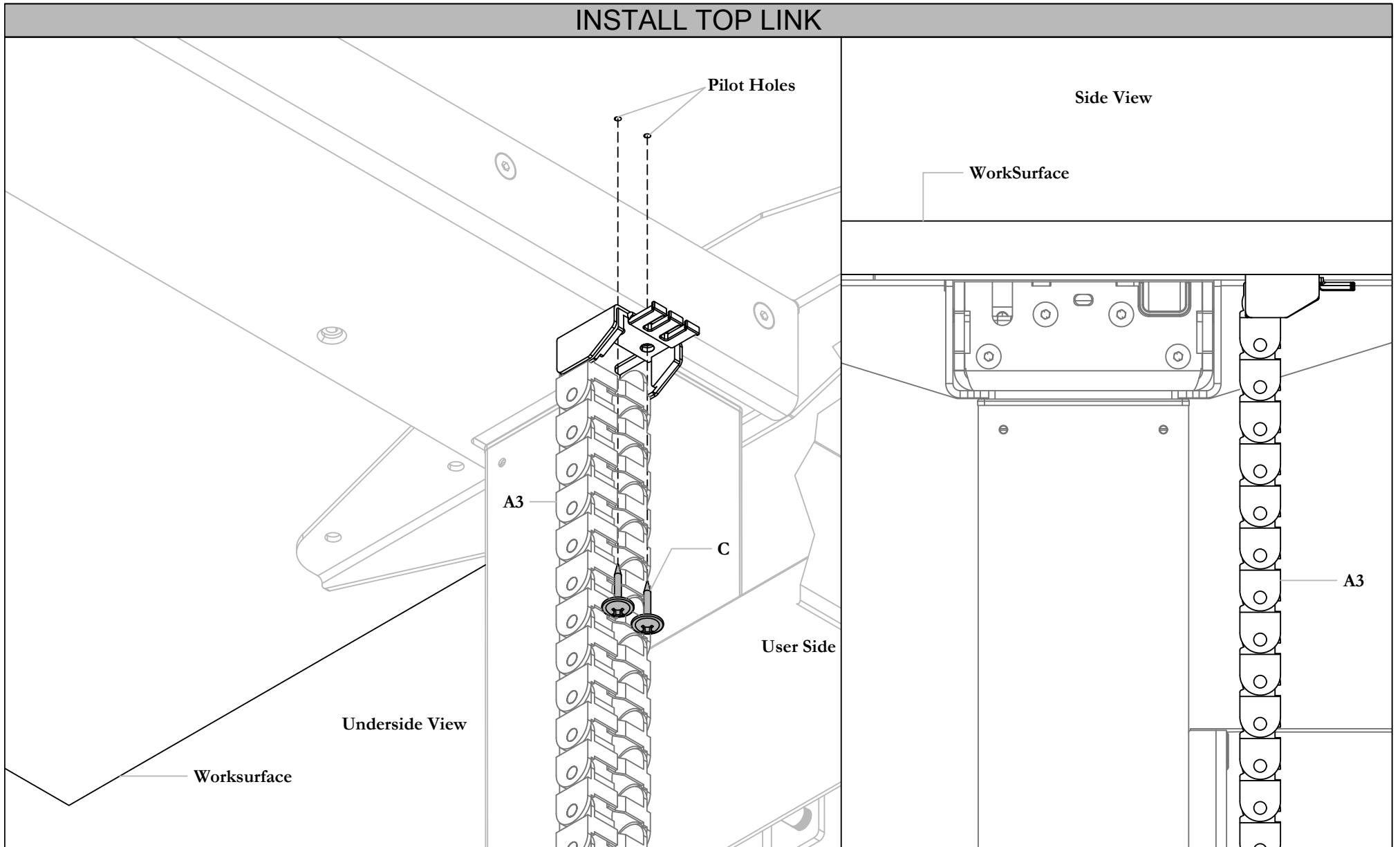


STEP 1: Fasten Bottom Link to underside of Cable Tray. Make sure to lineup holes of Cable Tray to holes of the Bottom Link.



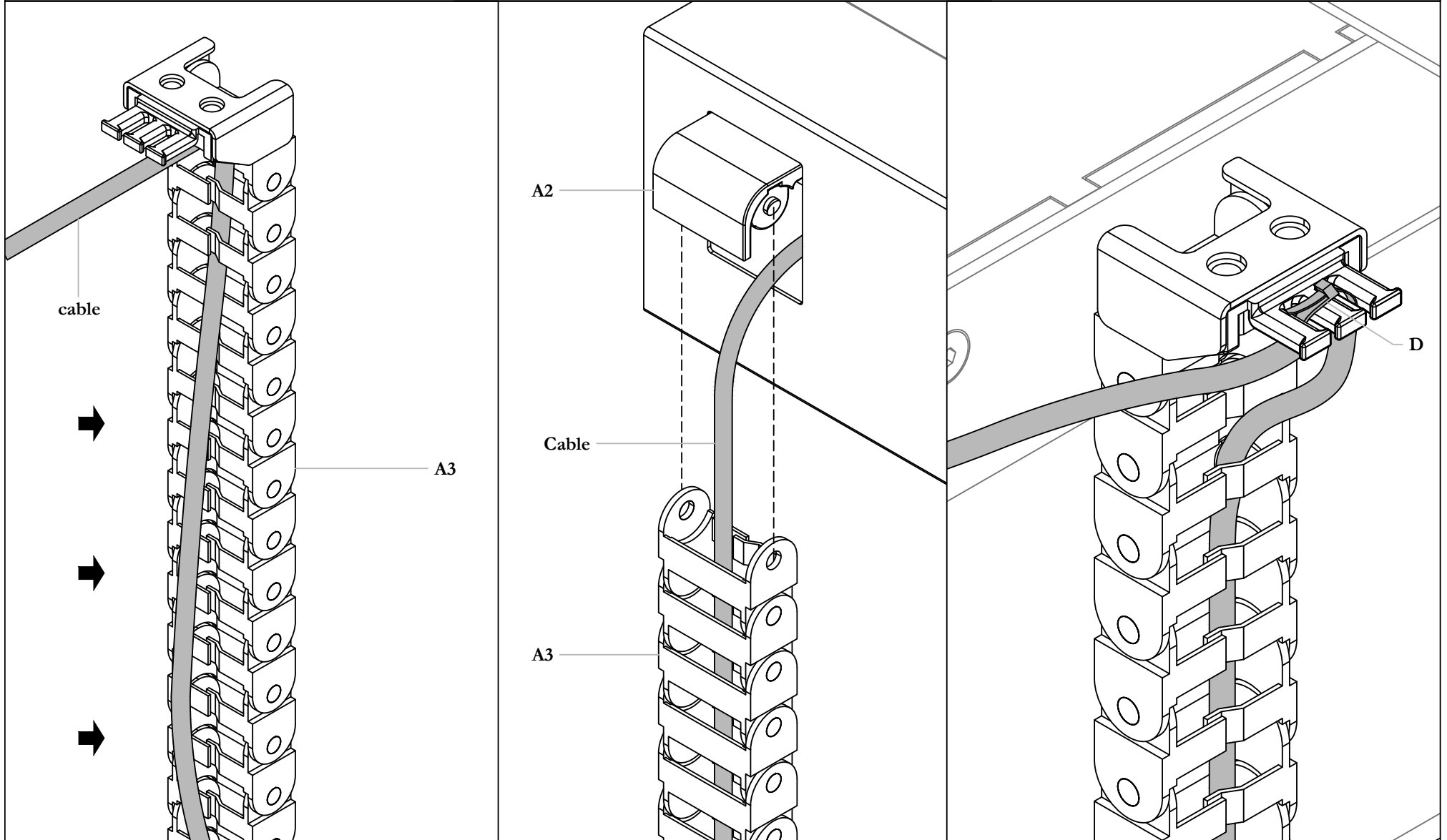
STEP 2: Place the Reinforcement Clip on top of the Top Link and connect the E-Chain to the Top Link as shown in the illustration above.

INSTALL TOP LINK



STEP 3: Install Top Link Assembly to the bottom of Worksurface. Make sure to align pilot holes to holes on top of the Top Link.

ATTACHE E-CHAIN TO TOP AND BOTTOM LINKS



STEP 4: Push Cable into E-Chain.

STEP 5: Attach E-chain to Top Link

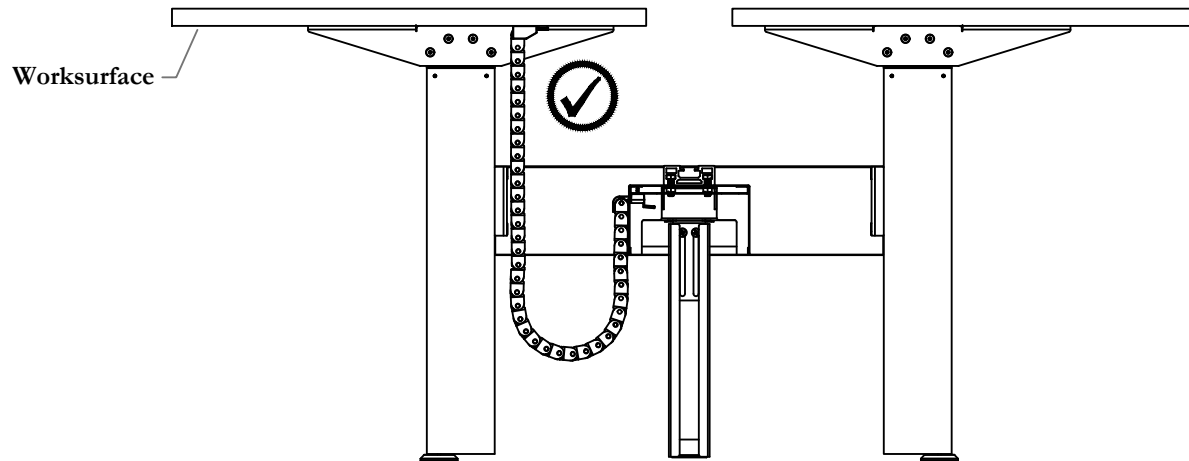
STEP 6: Secure cables with Cable Tie.

height-adjustable bench *Installation Guides*

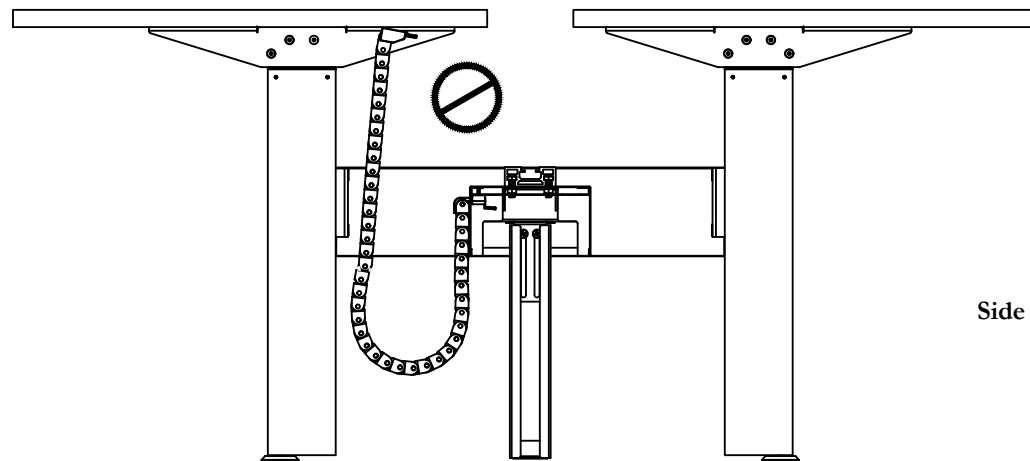
Section: **ELECTRICS**
Description: **E-CHAIN**

Date: May 2017 Page No: 5 of 6
HABL_301c

NOTE



Make sure the E-Chain is installed straight.



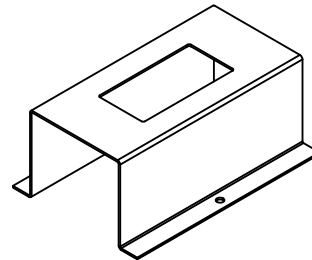
Side View

NOTE

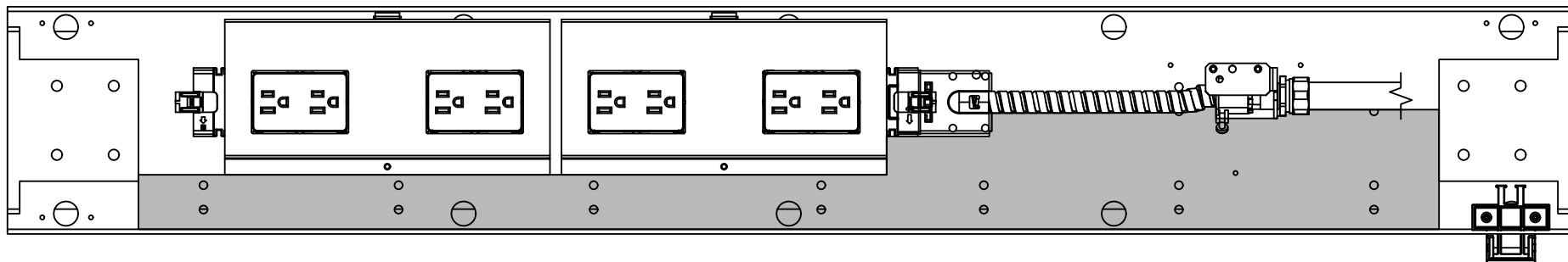
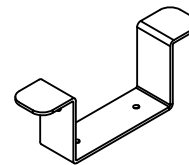
M-Clips



Data Cover



Wire Management Bracket



Installers to determine the layout for the data, wire management bracket and m-clips in the hatched area.

height-adjustable bench *Installation Guides*

Section: **ELECTRICS**

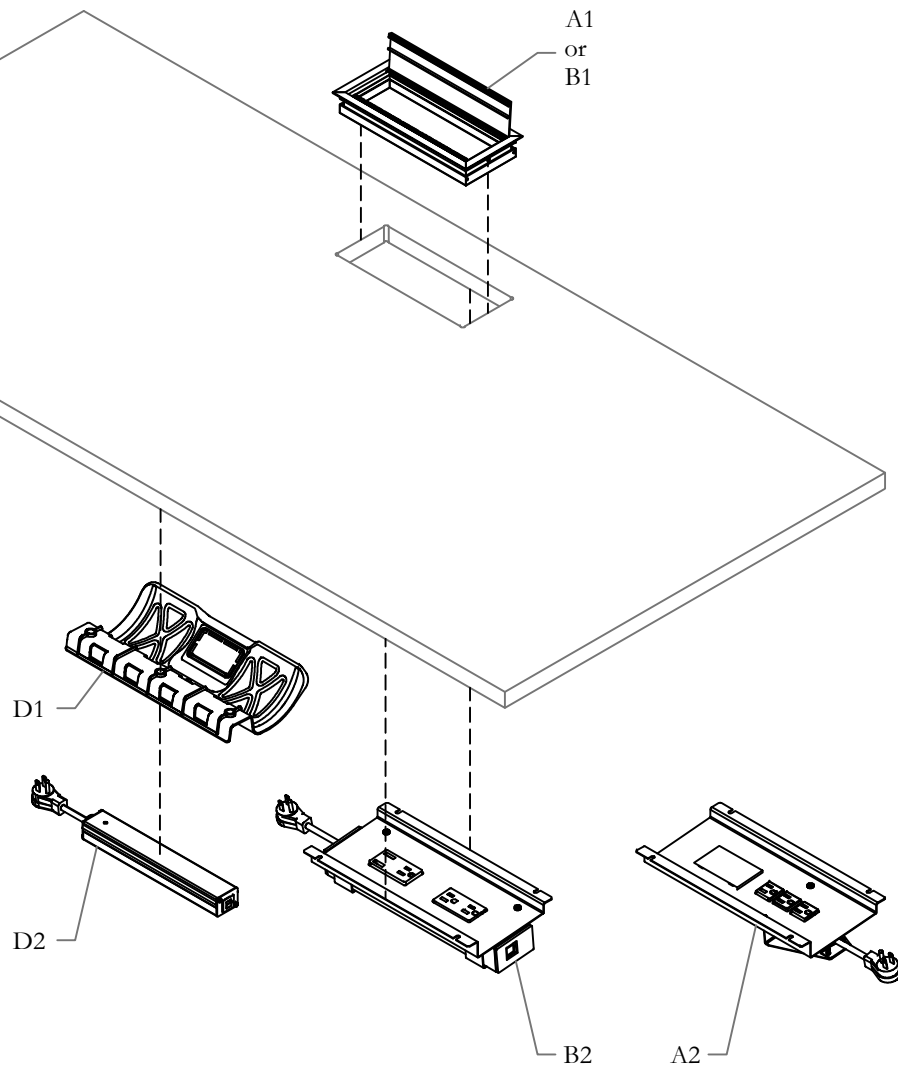
Description: **WORKSURFACE WITH ELECTRICS**

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Date: Jun 2017 Page No: 1 of 5
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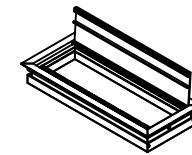
Central Electrical Grommet Option (CEG1 or CEG2), Cable Tray (YEPD6)

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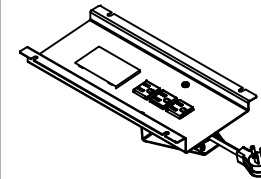


Part and Product Identification

HABWRL-CEG1-YEPS301

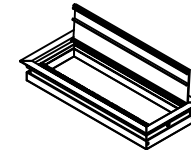


A1 - Grommet Cover

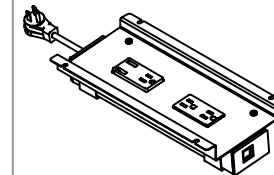


A2 - Power Tray

HABWRL-CEG2-XEIPB320



B1 - Grommet Cover

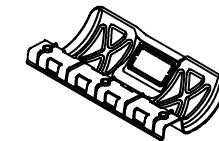


B2 - Power Tray

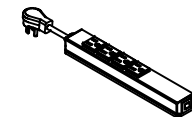


C - #10 x 0.875" LG Screw,
Quad Pan Washer
(E07-0077) x4

YEPD6



D1 - Cable Management Tray



D2 - Power Bar



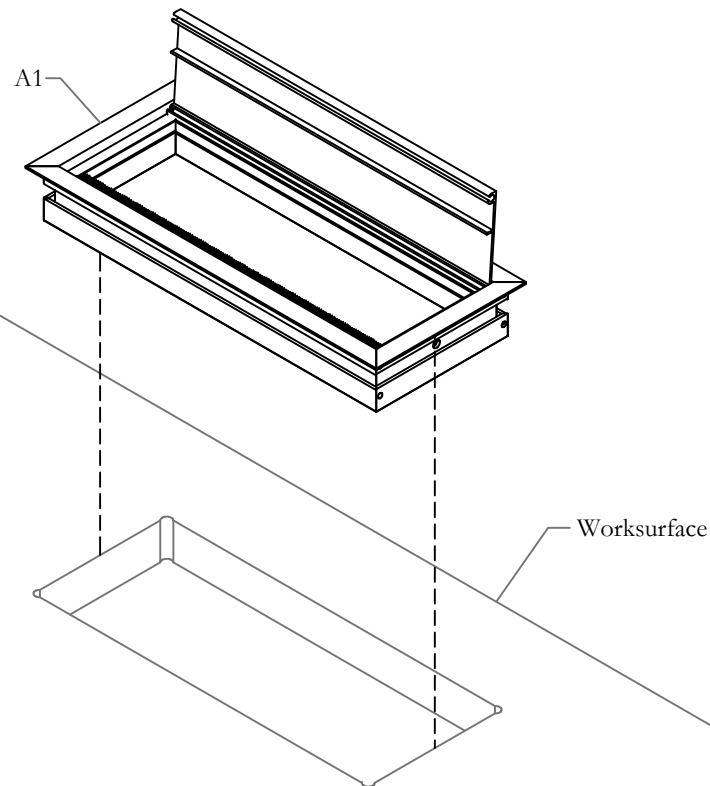
D3 - #12 x 3/4" Wood Screw
Quad Pan (E04-50017) x3

Section: **ELECTRICS**

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HABL_301d

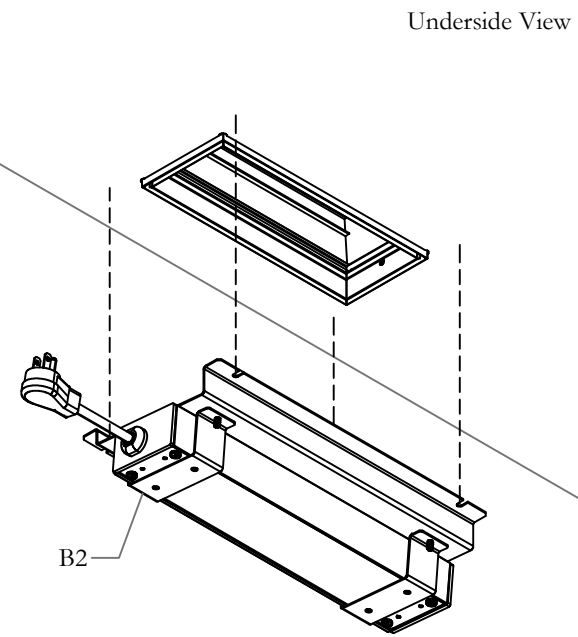
Description: **WORKSURFACE WITH ELECTRICS**

INSERT GROMMET COVER IN WORKSURFACE



STEP 1: Insert Grommet Cover inside Worksurface Grommet.

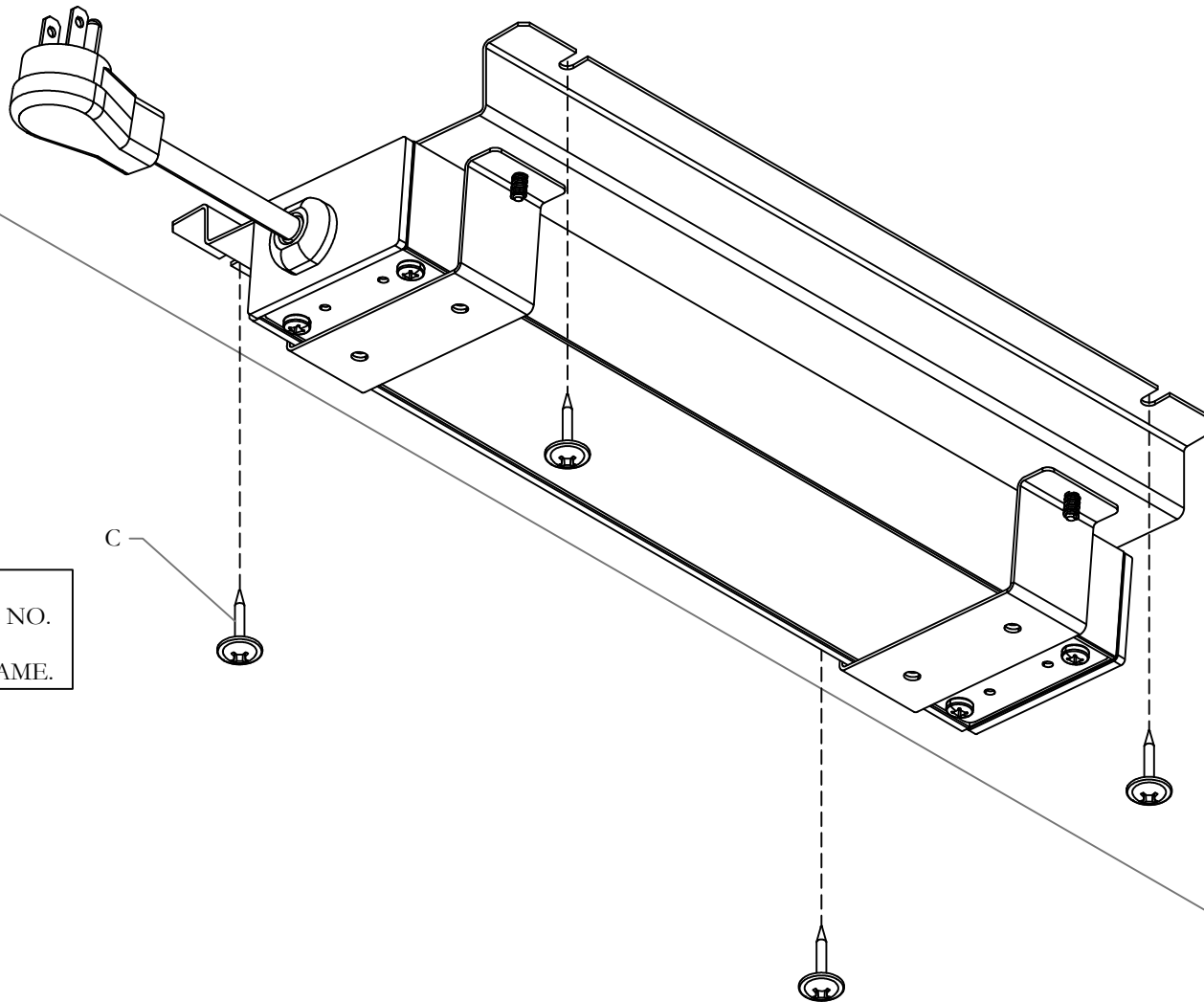
PLACE POWER TRAY UNDER WORKSURFACE



NOTE: Make sure outlets and data are centered in opening of Grommet

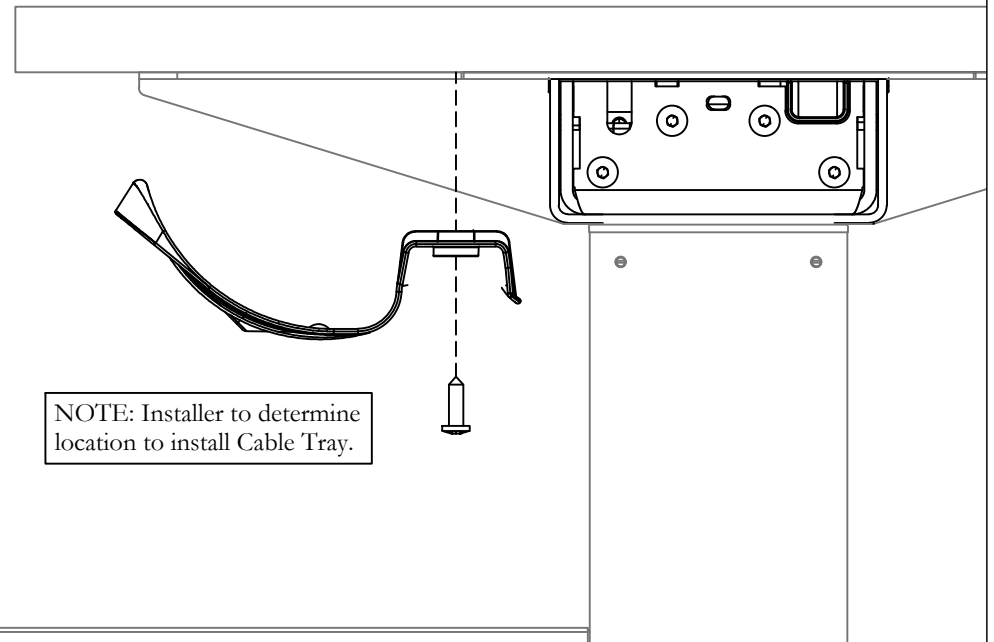
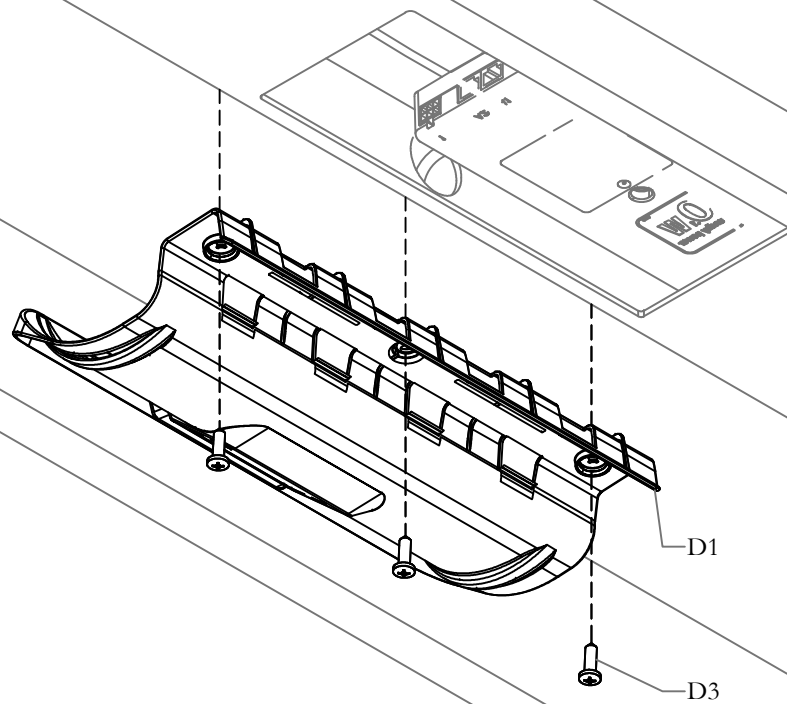
STEP 2: Place Power Tray to underside of worksurface

FASTEN TRAY



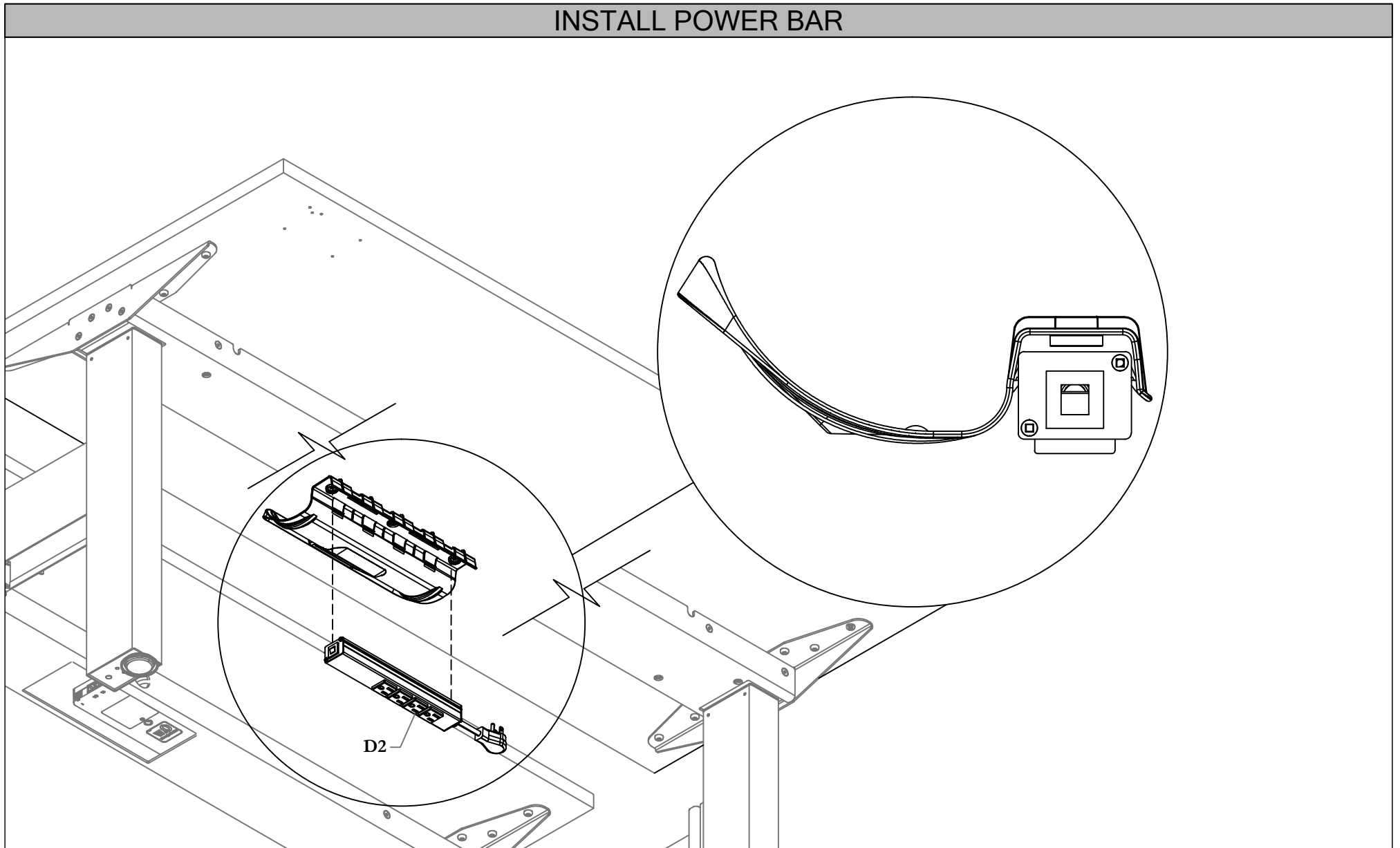
NOTE: REFER TO
INSTALLATION GUIDE NO.
HABL_101 TO INSTALL
WORKSURFACE TO FRAME.

ATTACH CABLE TRAY



STEP 4: Fasten Cable Tray to underside of Worksurface.

INSTALL POWER BAR



STEP 5: Snap Power Bar in place as shown on illustration above.

height-adjustable bench *Installation Guides*

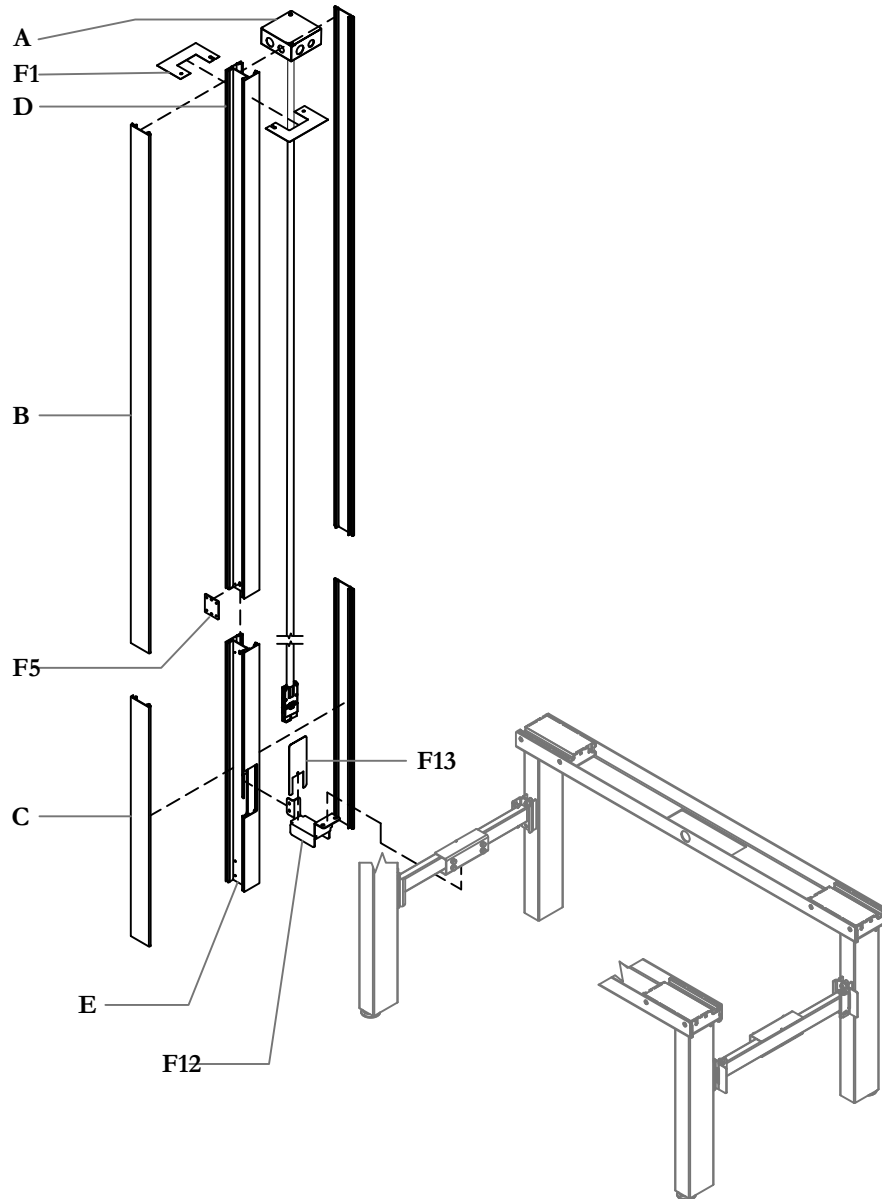
Section: **ELECTRICS**

Description: **POWER POLE - END**

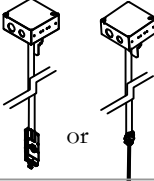

















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HABL_302a Rev. No: 2

Ceiling Feed (HABECF), Chicago Ceiling Feed (HABECFCH),
Power Pole - End (HABEPP__E)



Part and Product Identification

 <p>A - Ceiling Feed(HABECF) x1or- Chicago Ceiling Feed (HABECFCH) x1</p>	
 <p>B - Power Pole Cover Top(AEA23-E014-ECPQ72) x2</p>	 <p>C - Power Pole Cover Base (AEA23-E014-06) x2</p>
 <p>D - Upper Power Pole (AEA21-0200-ECPQ72) x1</p>	 <p>E -Lower Power Pole (AEA21-0200-10) x1</p>
X01-4349	
 <p>F1-Ceiling Plates (MPA15-2666) x2</p>	 <p>F10- Nut Hex (FN1/4 -20)x2</p>
 <p>F2-#8-32 x 7/16" Prong T- Nut (FN8-32x7/16T4)x2</p>	 <p>F11 - Grip Washer (FW 0.25) x 2</p>
 <p>F3-#8-32x3/4 " L QD RD HD Screw,ZN (FS8-32x3/4QRZ)x2</p>	 <p>F12 - Connection Bracket (MPA15-E787) x1</p>
 <p>F4-White Snap Cap (FM315-902) x2</p>	 <p>F13 - Cover Plate (MPA15-E648) x 1</p>
 <p>F5-Extension Bracket (MPA15-E152) x 1</p>	 <p>F14-Foam Tape (E08-0281)x2</p>
 <p>F6-8-5/8" L Round Head Quad DriveB (FS8-5/8RRB) x4</p>	
 <p>F7-Plastic Wire Tip or Cap(PCAPLUG8)x4</p>	
 <p>F8-Long Screw (FS1/4 -20-5/8RPM)x4</p>	

height-adjustable bench *Installation Guides*

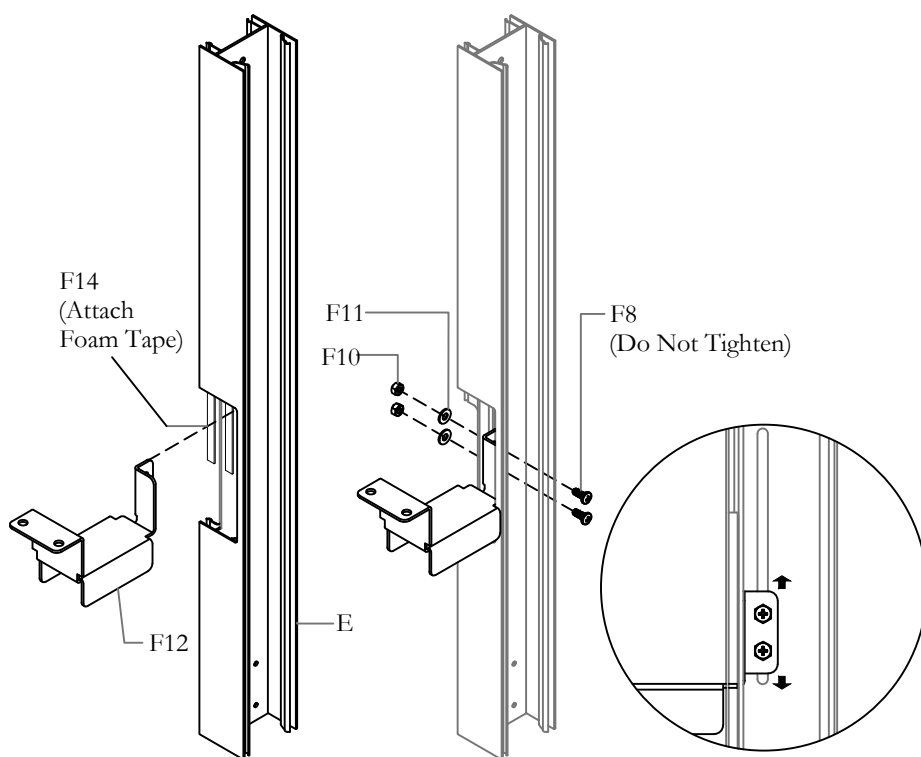
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Section: **ELECTRICS**

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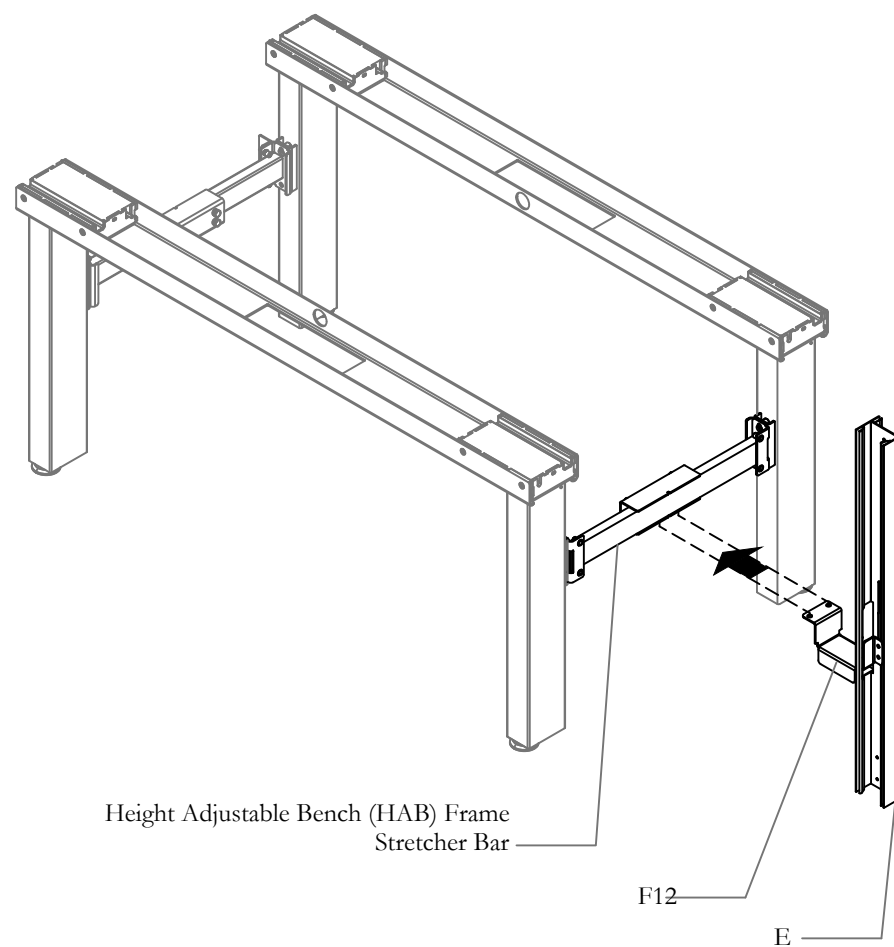
Description: **POWER POLE - END**

BRACKET TO POWER POLE



STEP 1: Fasten Bracket to Lower Power Pole Extrusion. Do not fully tighten as bracket needs to slide up or down.

BRING LOWER POWER POLE TO HAB FRAME



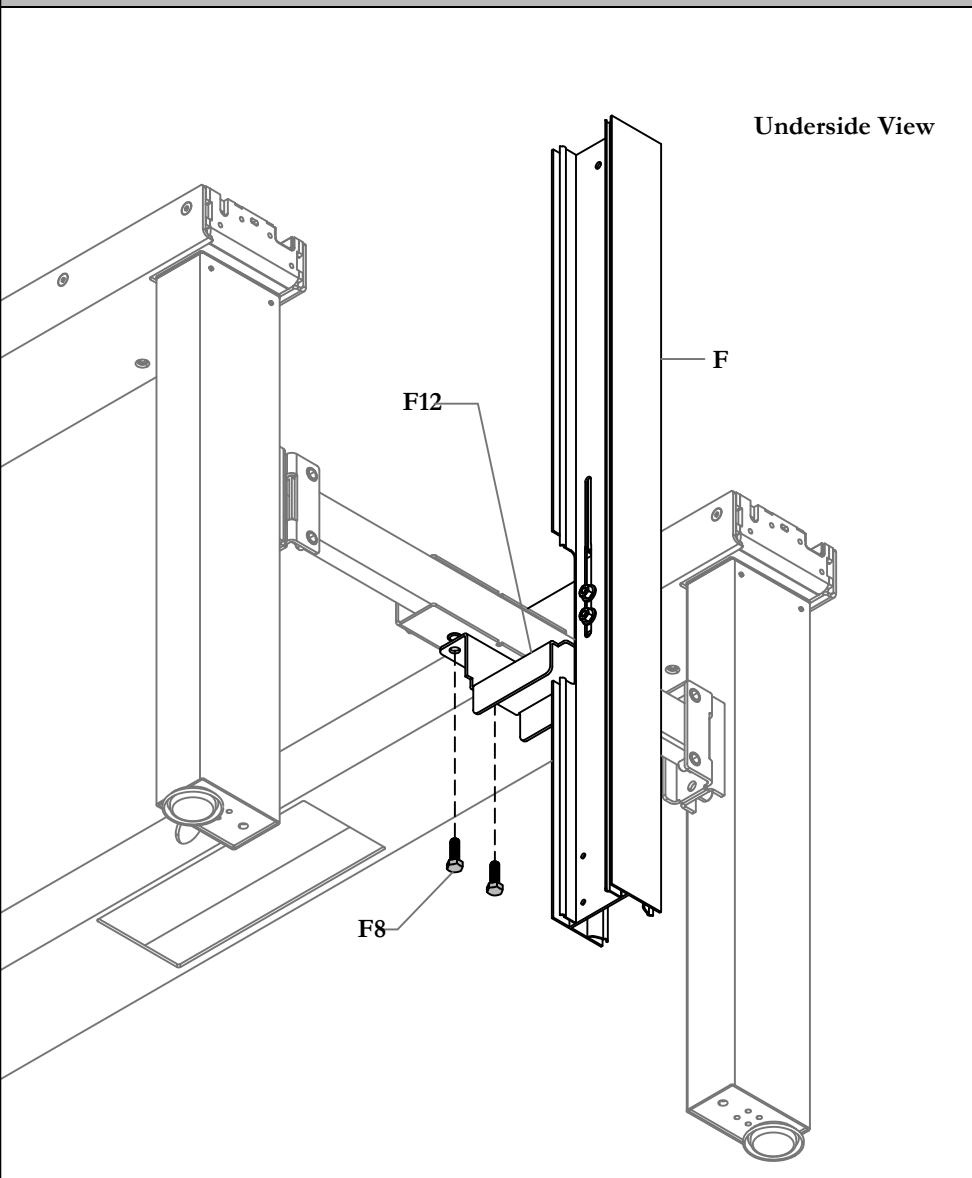
STEP 2: Bring Lower Power Pole Extrusion underneath Height Adjustable Bench(HAB) Frame - Stretcher Bar.

Section: **ELECTRICS**

Date: May 2022 Page No: 3 of 8
HABL_302a

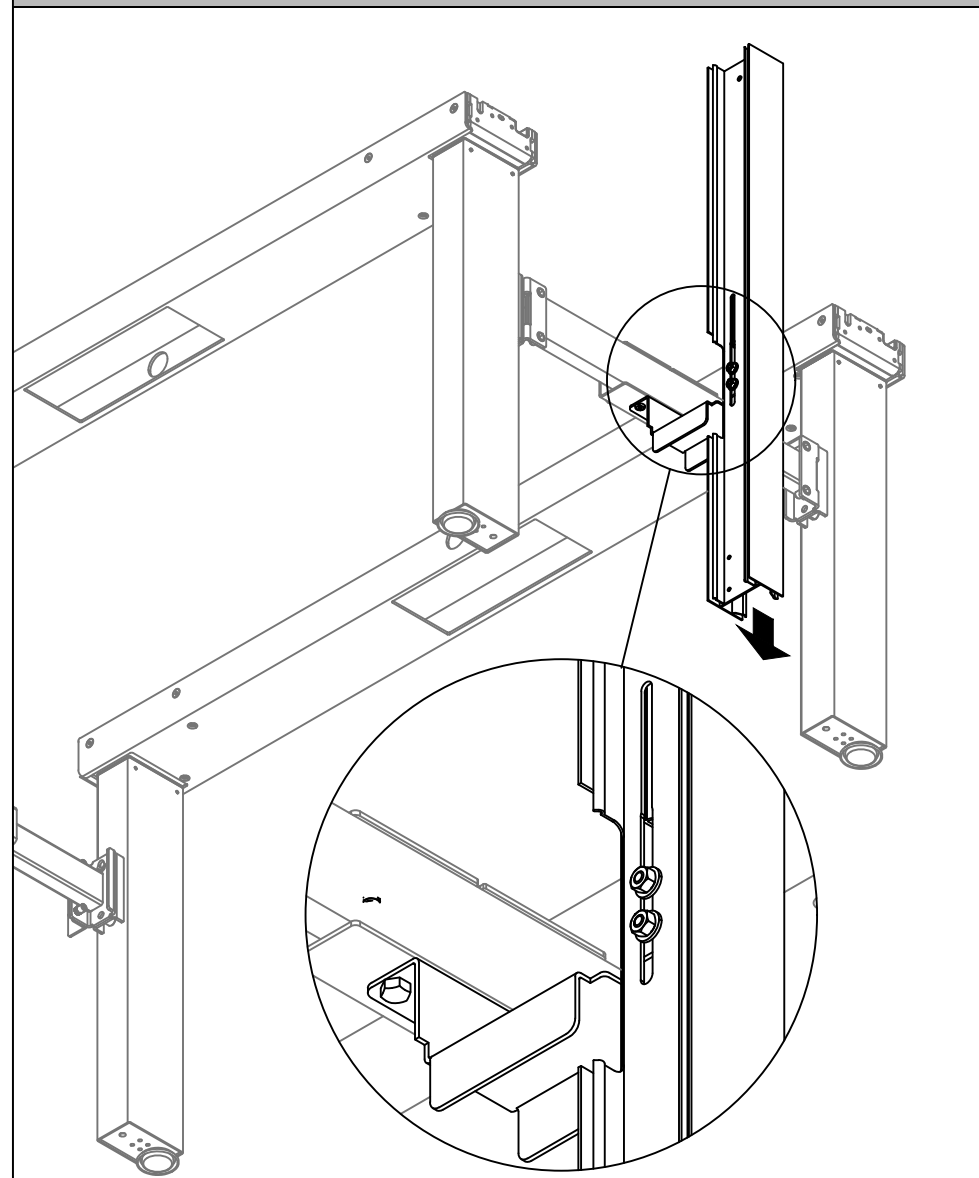
Description: **POWER POLE - END**

SECURE BOTTOM EXTRUSION TO FRAME



STEP 3: Use screws and washers provided to fasten Power Pole Bracket to HAB Frame as shown.

TIGHTEN BRACKET TO LOWER POWER POLE



STEP 4: Make sure lower pole extrusion sits on the floor & tighten Bracket to Lower Power Pole extrusion

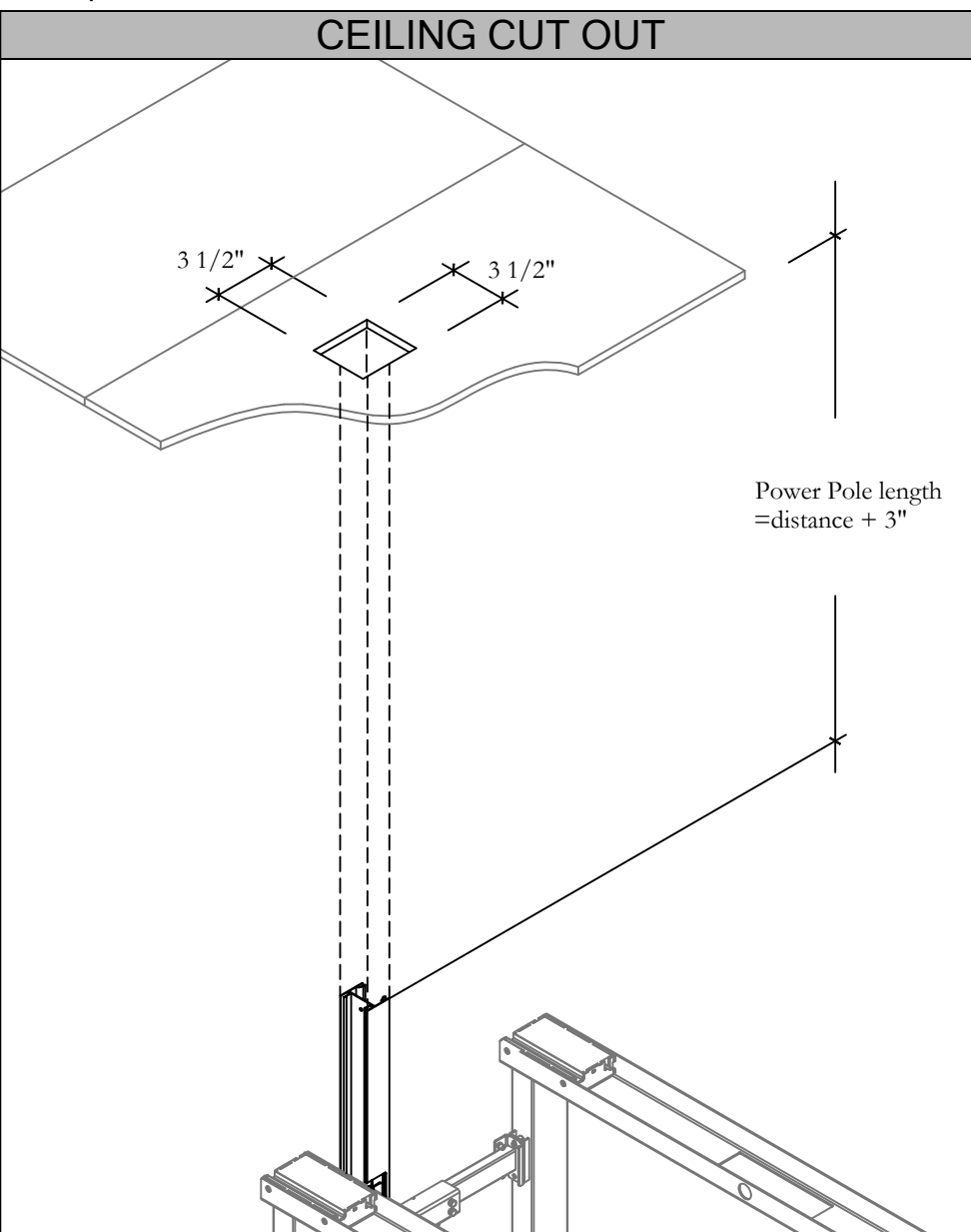
height-adjustable bench *Installation Guides*

Section: **ELECTRICS**

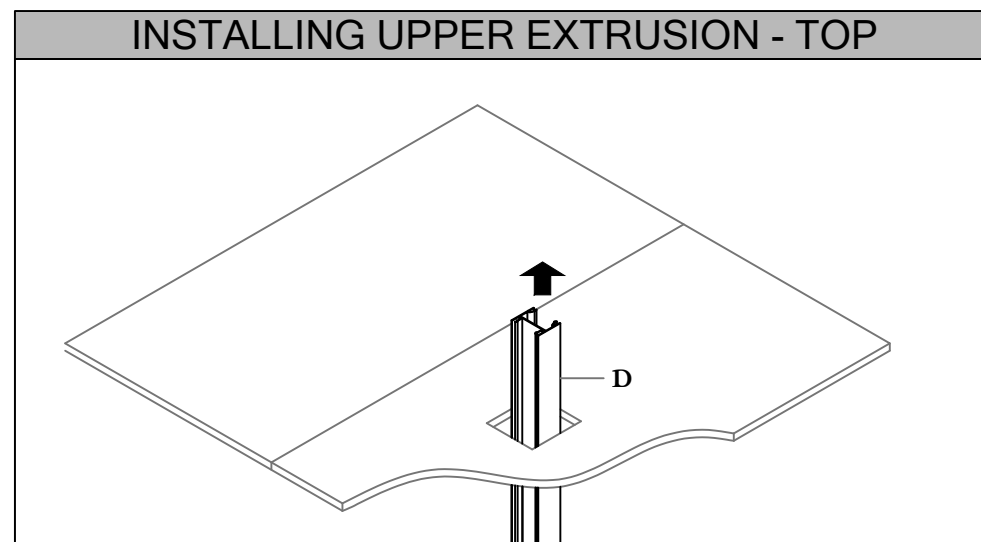
Description: **POWER POLE - END**

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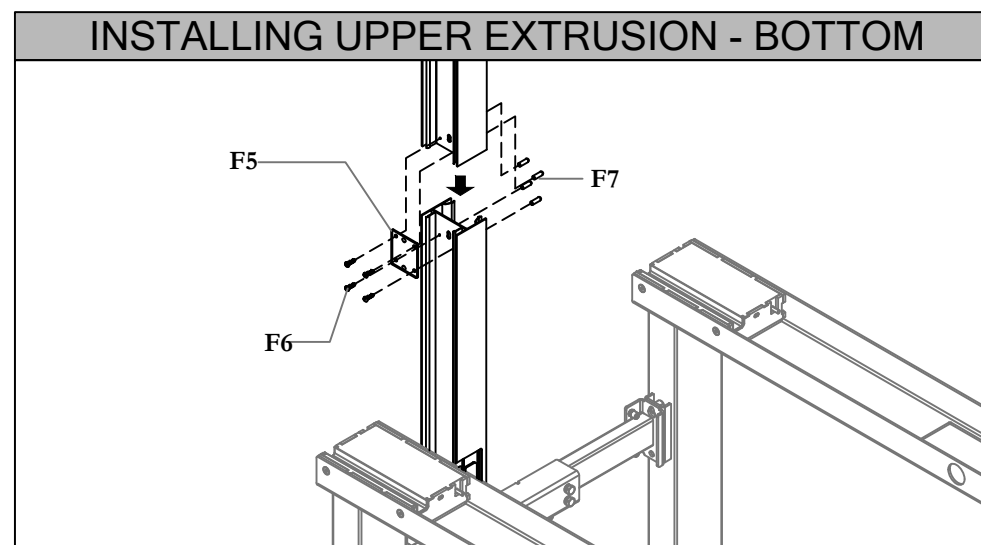
Date: May 2022 Page No: 4 of 8
HABL_302a



STEP 5: Mark Power Pole position on the ceiling using Plum Bob Line. Cut 3 1/2" x 3 1/2" opening. Measure distance from top of the Lower Power Pole Extrusion to the ceiling. Add approximately 3" to that dimension and cut Power Pole and Power Pole Cover to that measurement.

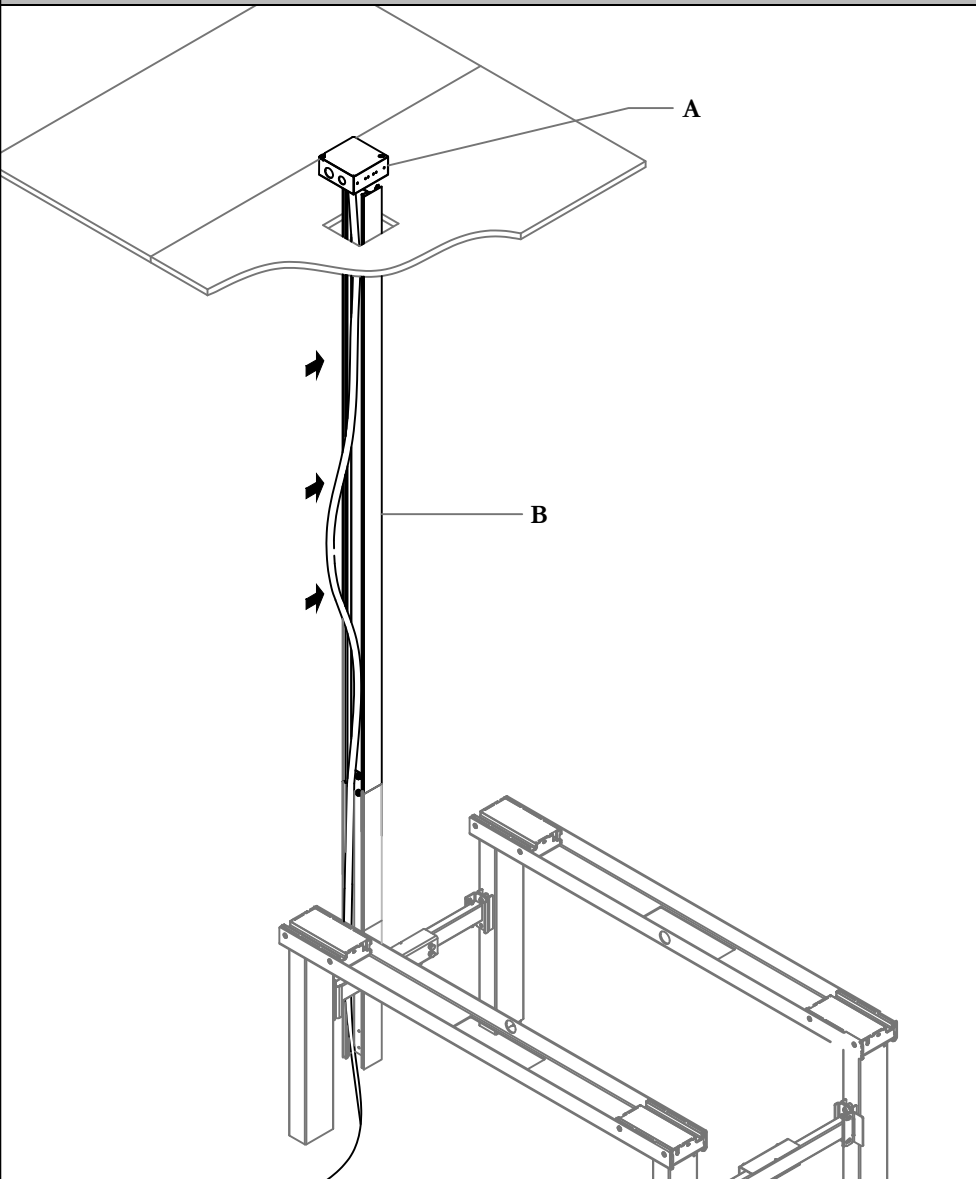


STEP 6: Insert Upper Power Pole Extrusion inside ceiling cut-out (Uncut edge down).



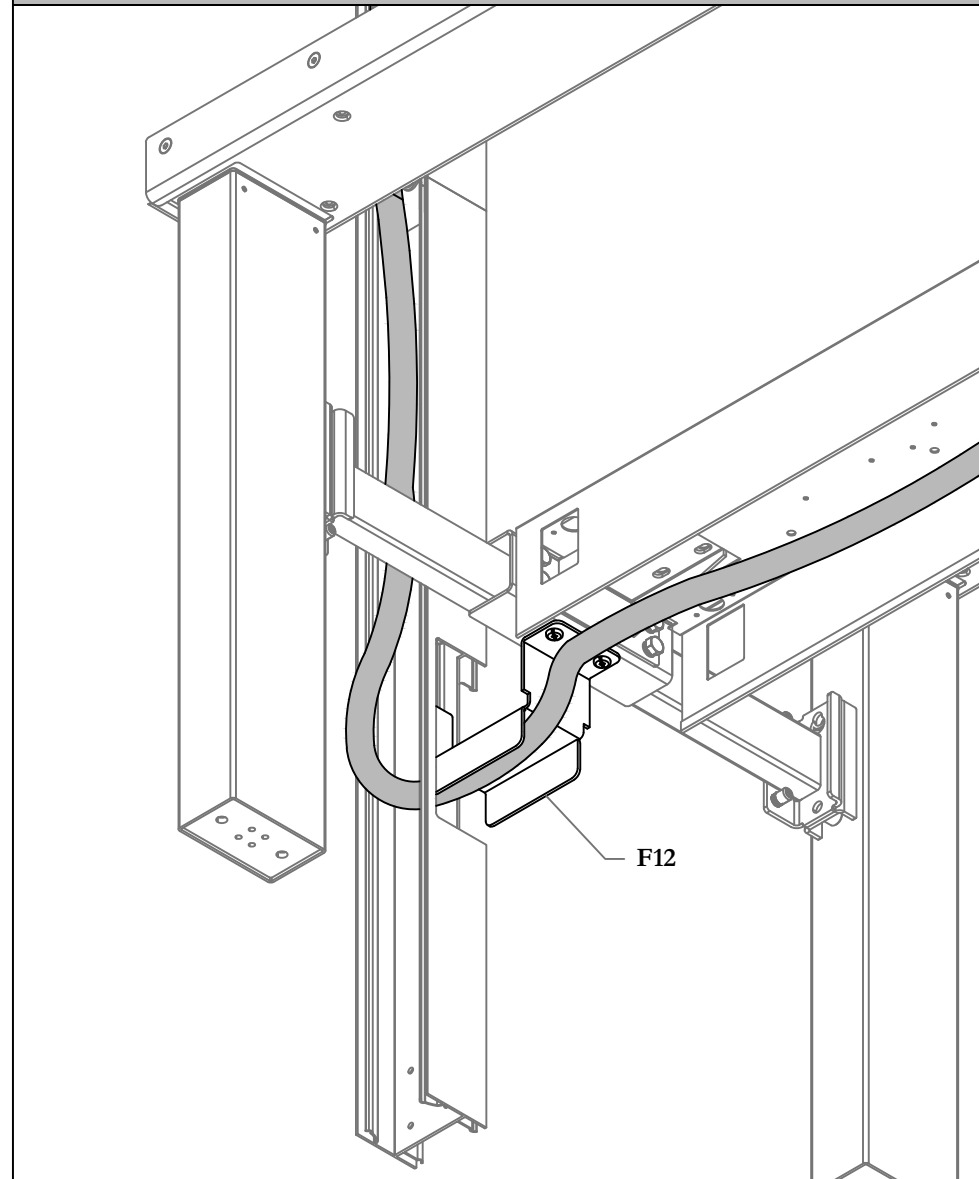
STEP 7: Drop Power Pole Upper Extrusion on the top of Lower Extrusion and connect them together using Connection Plate and Screws.

CEILING FEED INSTALLATION



STEP 8: Drop Ceiling Feed cable down through ceiling cut-out down along the Power Pole. Slide junction box bracket inside Power Pole Extrusion.

CEILING FEED INSTALLATION



STEP 9: Feed cable underneath Bracket.

height-adjustable bench *Installation Guides*

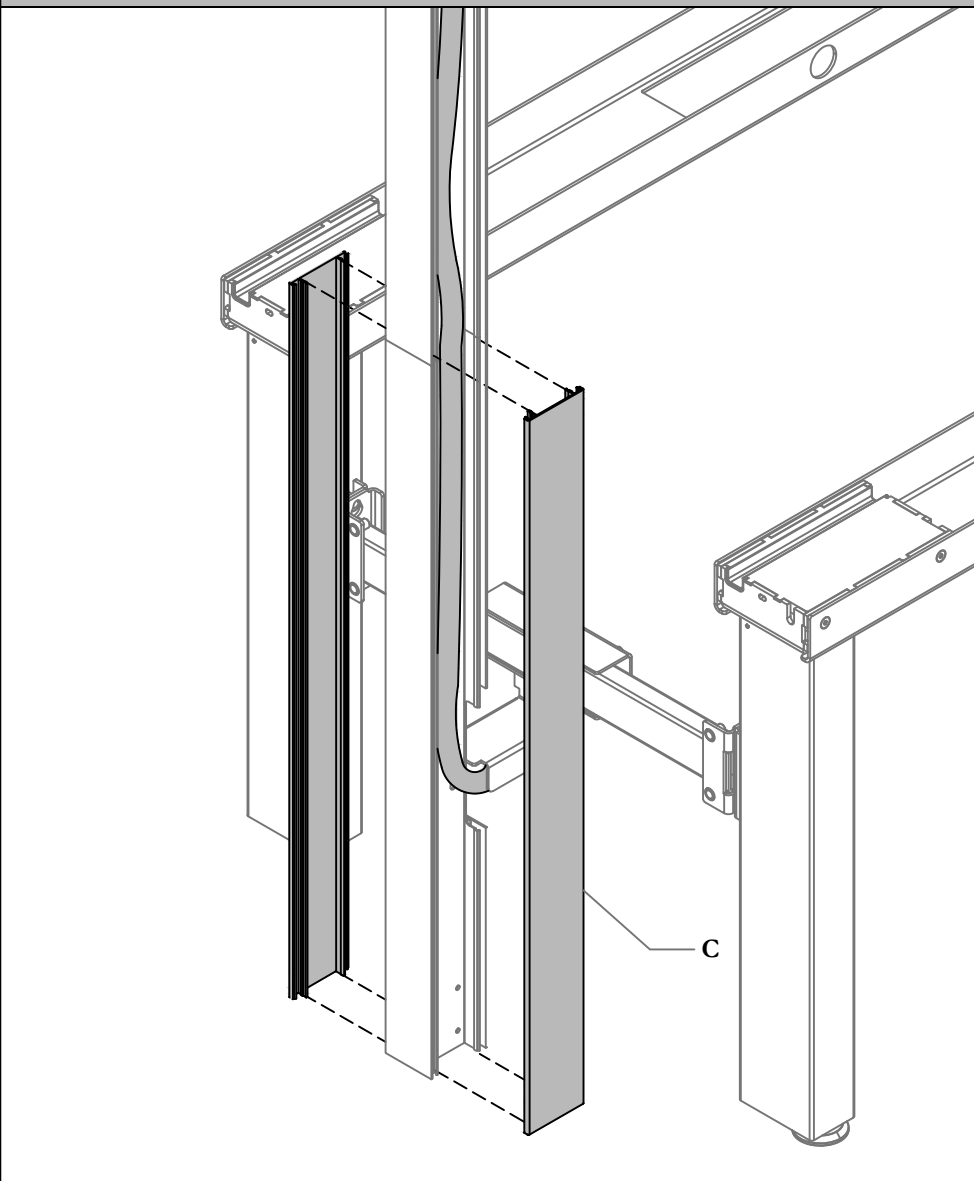
Section: **ELECTRICS**

Description: **POWER POLE - END**

teknion

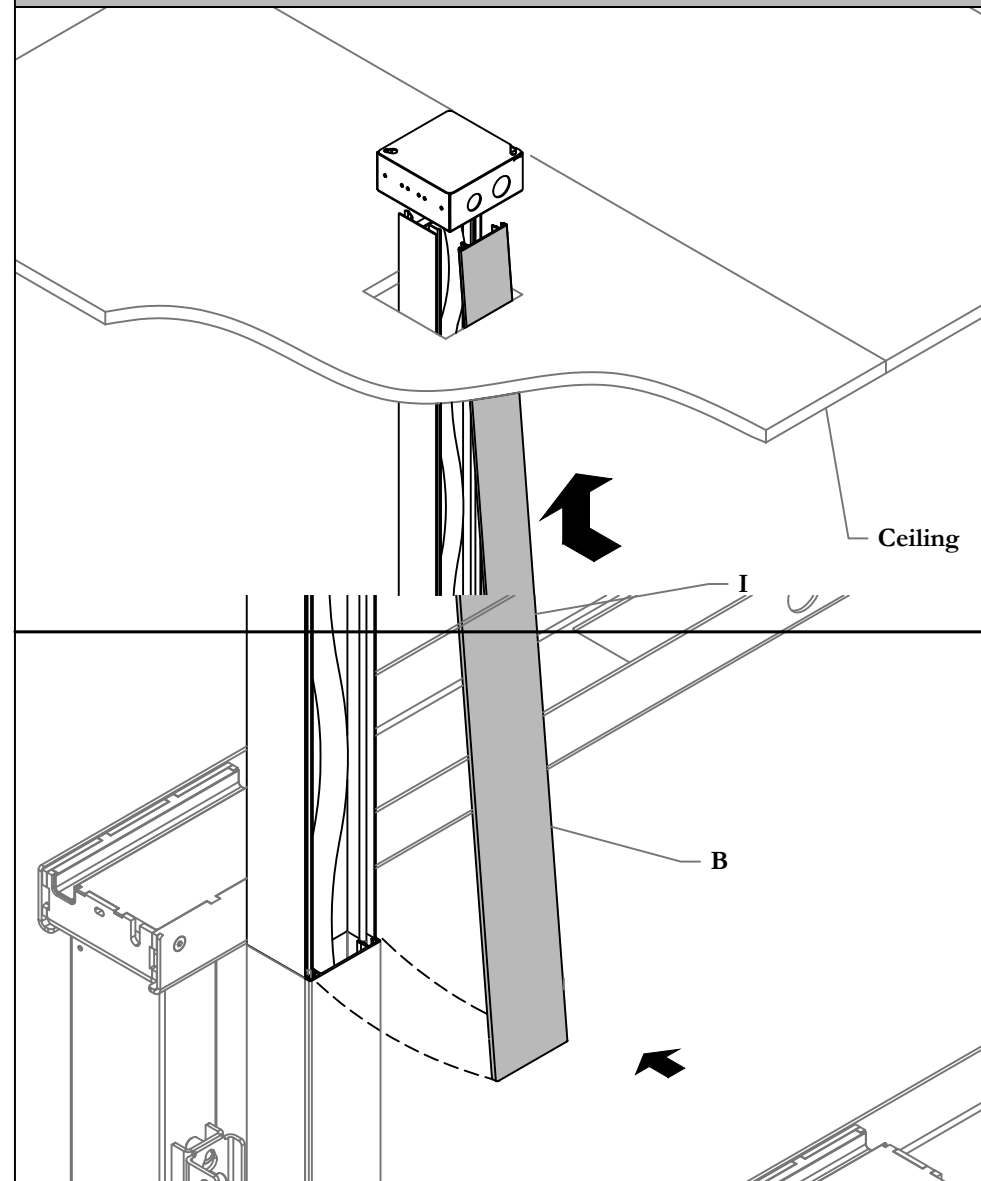
Date: May 2022 Page No: 6 of 8
HABL_302a

ATTACH LOWER COVER



STEP 10: Tuck cable and attach Power Pole Covers by engaging them into Lower Extrusion.

ATTACH UPPER COVER



STEP 11: Insert Upper Covers inside ceiling cut-out then engage into Upper Power Pole Extrusion.

height-adjustable bench *Installation Guides*

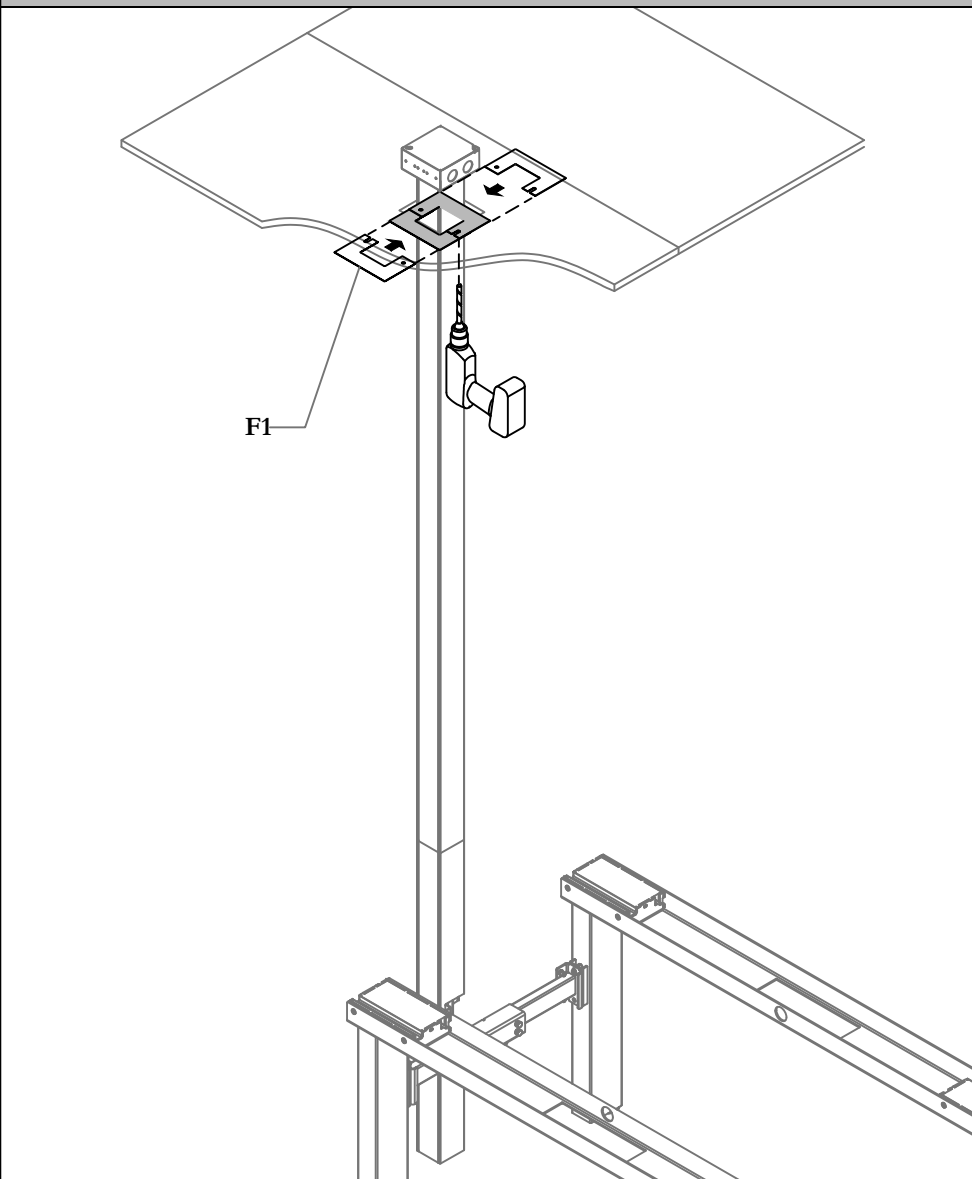
Section: **ELECTRICS**

Description: **POWER POLE - END**

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Date: May 2022 Page No: 7 of 8
HABL_302a

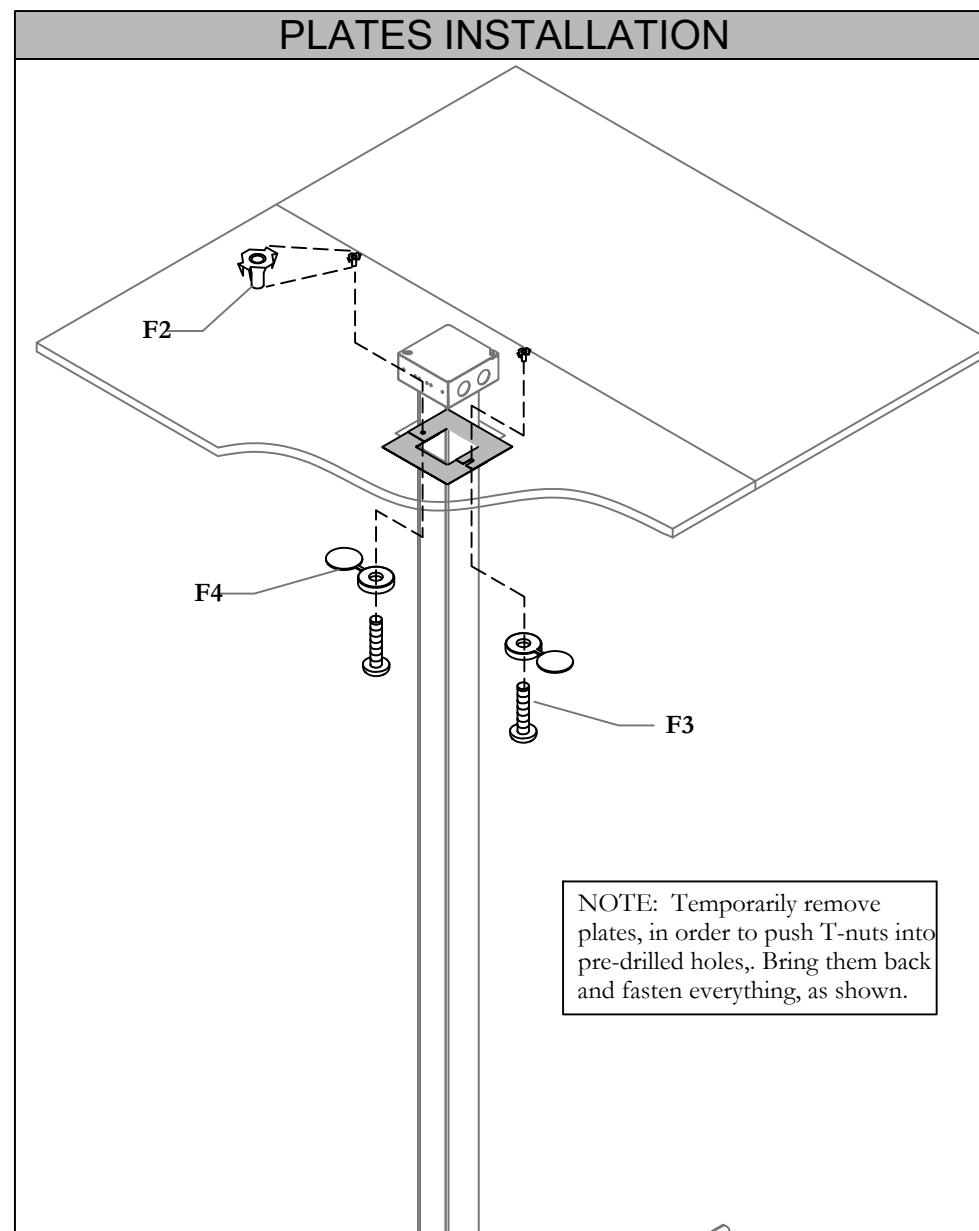
ATTACH CEILING PLATES & DRILL HOLES



STEP 12: Attach Ceiling Plates to Power Pole under the ceiling. Drill holes for T-nuts using Ceiling Plates as a template to determine location.

WARNING: Do not connect to power source until installation is complete. All wire connections must be performed by a licensed electrician in accordance with applicable codes and regulations. Not following these instruction could result in damage and/or injury.

PLATES INSTALLATION



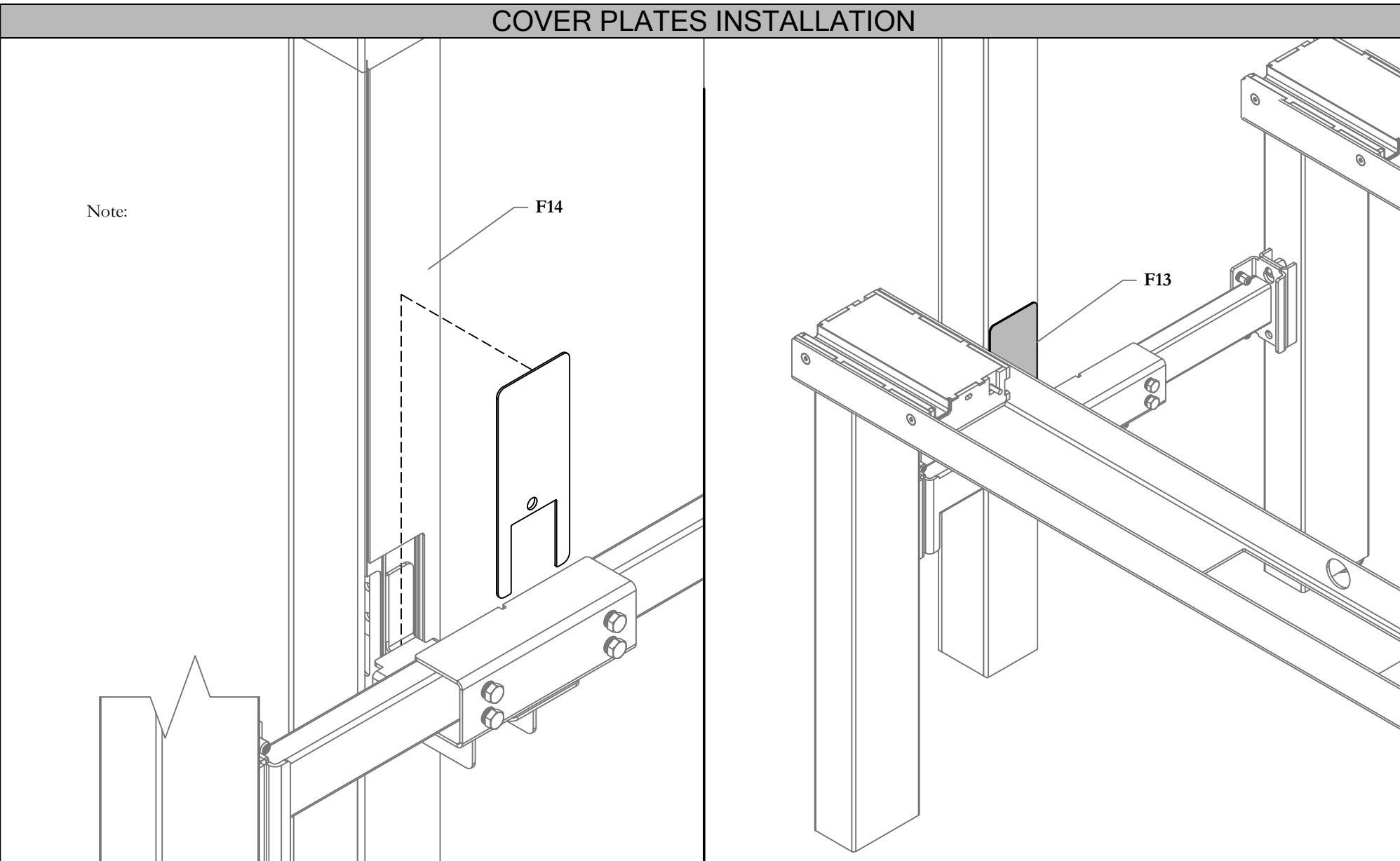
STEP 13: Drill holes for T-nuts using Ceiling Plates as a template to determine location.

COVER PLATES INSTALLATION

Note:

F14

F13



STEP 14: Expose the adhesive of the double sided tape on the back of the Cover Plate and slide Cover Plate from the top to cover cut-out on the side of Power Pole.

height adjustable bench *Installation Guides*

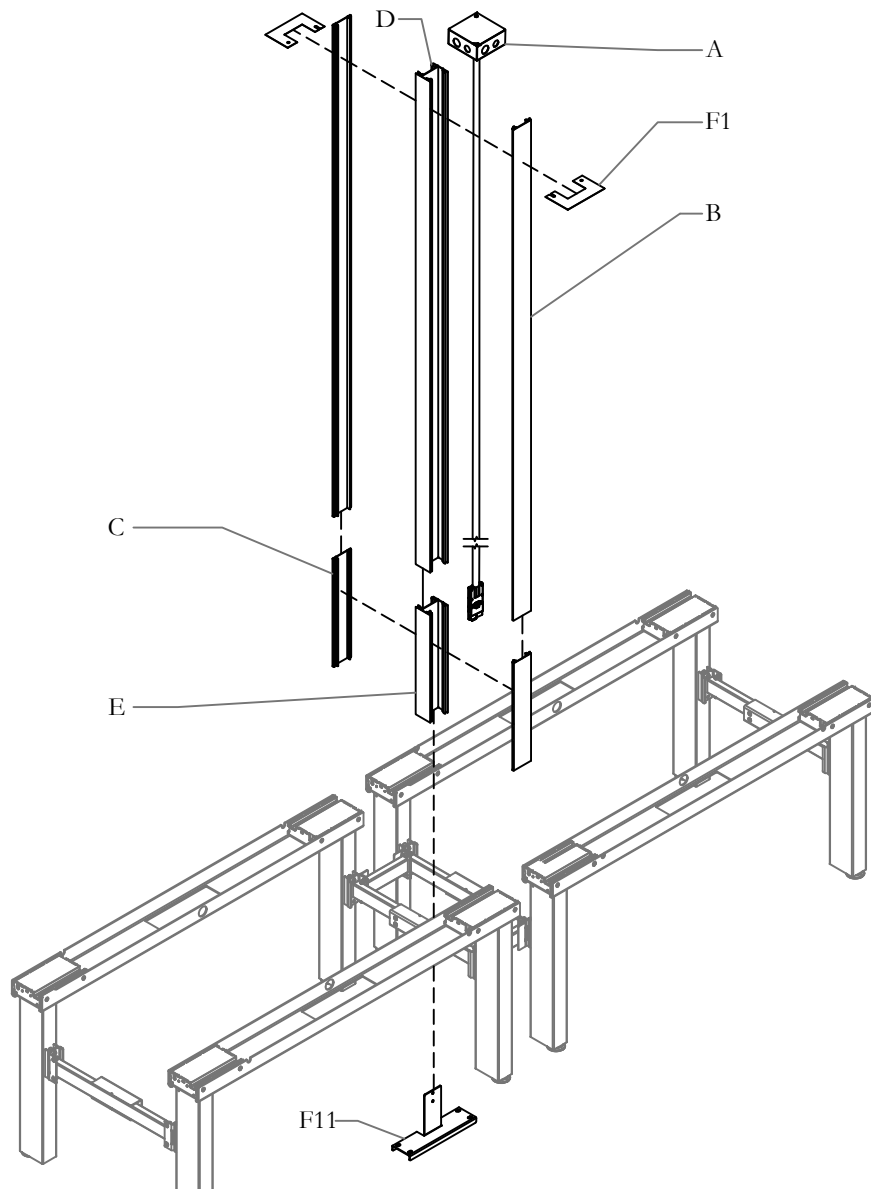
Section: **ELECTRICS**

Description: **POWER POLE - MID & CEILING FEED**

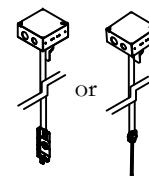
teknion

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Power Pole - Mid (HABEPPM) & Ceiling Feed (HABECF/HABECFCH)



Part and Product Identification



A - Ceiling Feed(HABECF) x1 or- Chicago Ceiling Feed (HABECFCH) x1



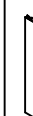
B - Power Pole Cover Top(AEA23-E014-ECPQ72) x1



C - Power Pole Cover Base (AEA23-E014-10) x2



D - Upper Power Pole (AEA21-0200-ECPQ72) x1



E -Lower Power Pole (AEA21-0200-09) x2

X01-4349



F1-Ceiling Plates (MPA15-2666) x2



F9- Nut Hex (FN1/4 -20)x4



F2-#8-32 x 7/16" Prong T- Nut (FN8-32x7/16T4)x2



F10 - Grip Washer (FW 0.25) x 6



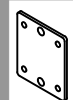
F3-#8-32x3/4 " L QD RD HD Screw,ZN (FS8-32x3/4QRZ)x2



F11 - Connecting Bracket (MPA15-E786) x 1



F4-White Snap Cap (FM315-902) x2



F5-Extension Bracket (MPA15-E152) x 1



F6-8-5/8" L Round Head Quad DriveB (FS8-5/8RRB) x4



F7-Plastic Wire Tip or Cap(PCAPLUG8)x4



F8-Long Screw (FS1/4 -20-5/8RPM)x6

height adjustable bench *Installation Guides*

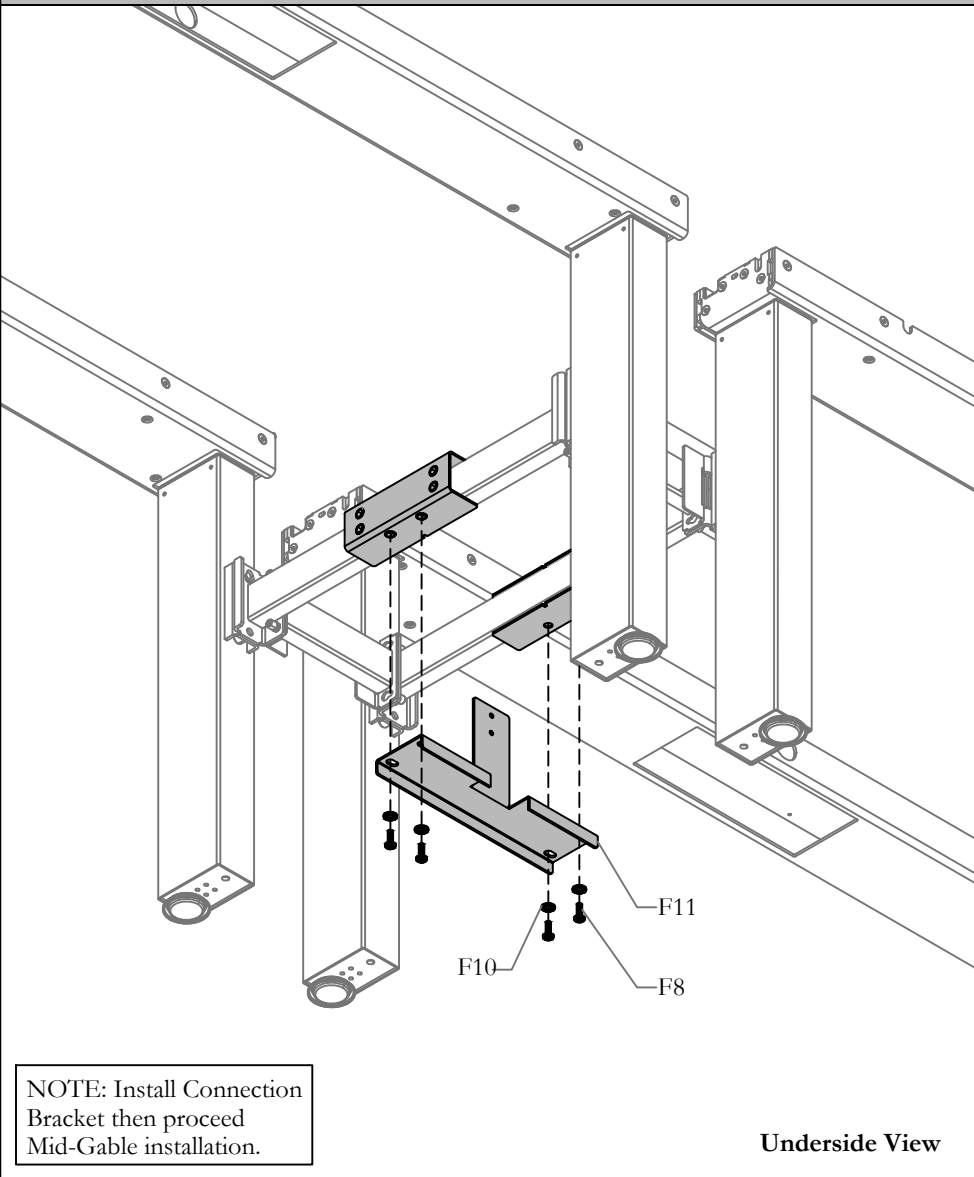
Section: **ELECTRICS**

Description: **POWER POLE - MID & CEILING FEED**

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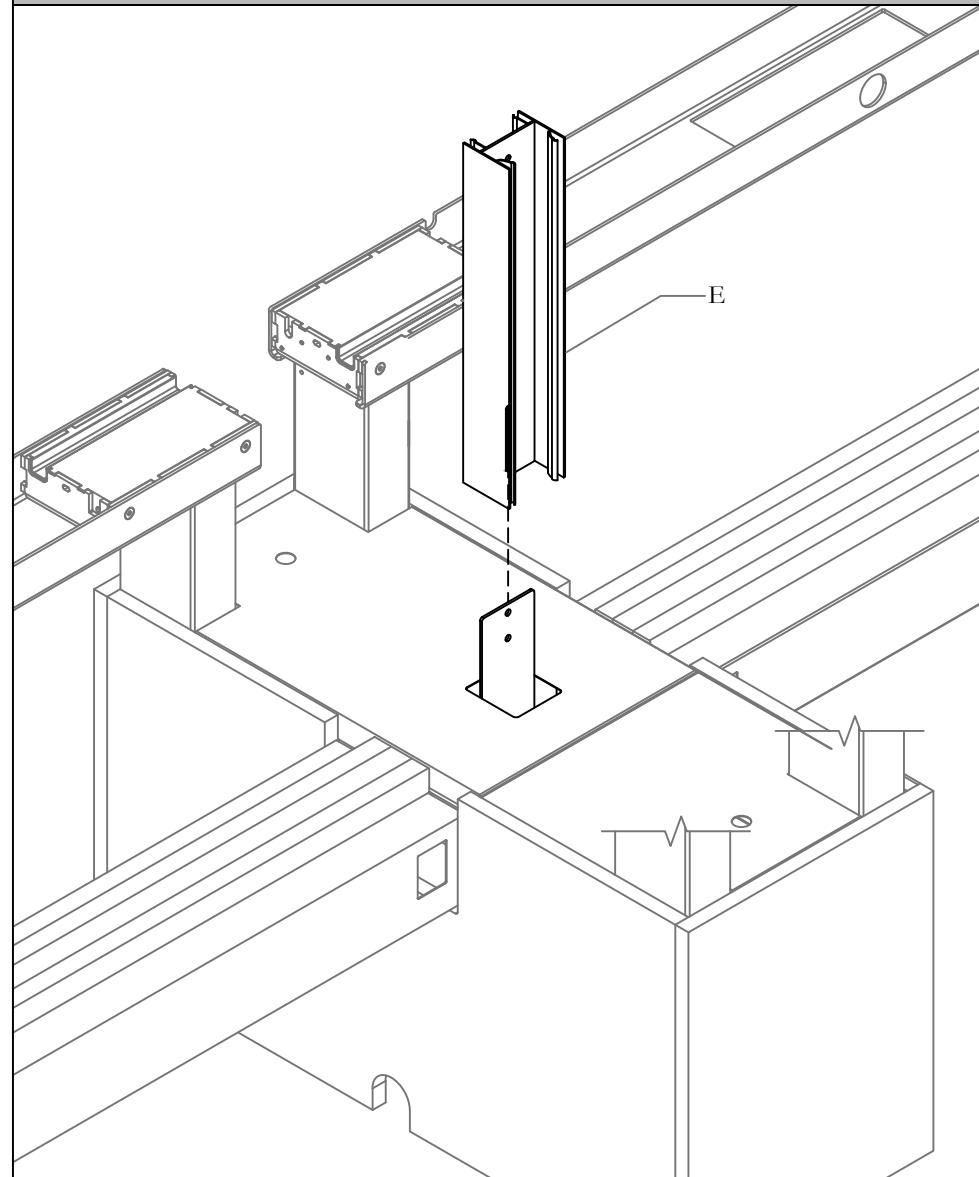
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CONNECTING BRACKET ASSEMBLY



STEP 1: Install Connecting Bracket to the underside of the Stretch Bar.

ATTACH LOWER EXTRUSION



STEP 2: After installed Mid-Gable, attach and align Lower Power Pole to Connecting Bracket as shown.

height adjustable bench *Installation Guides*

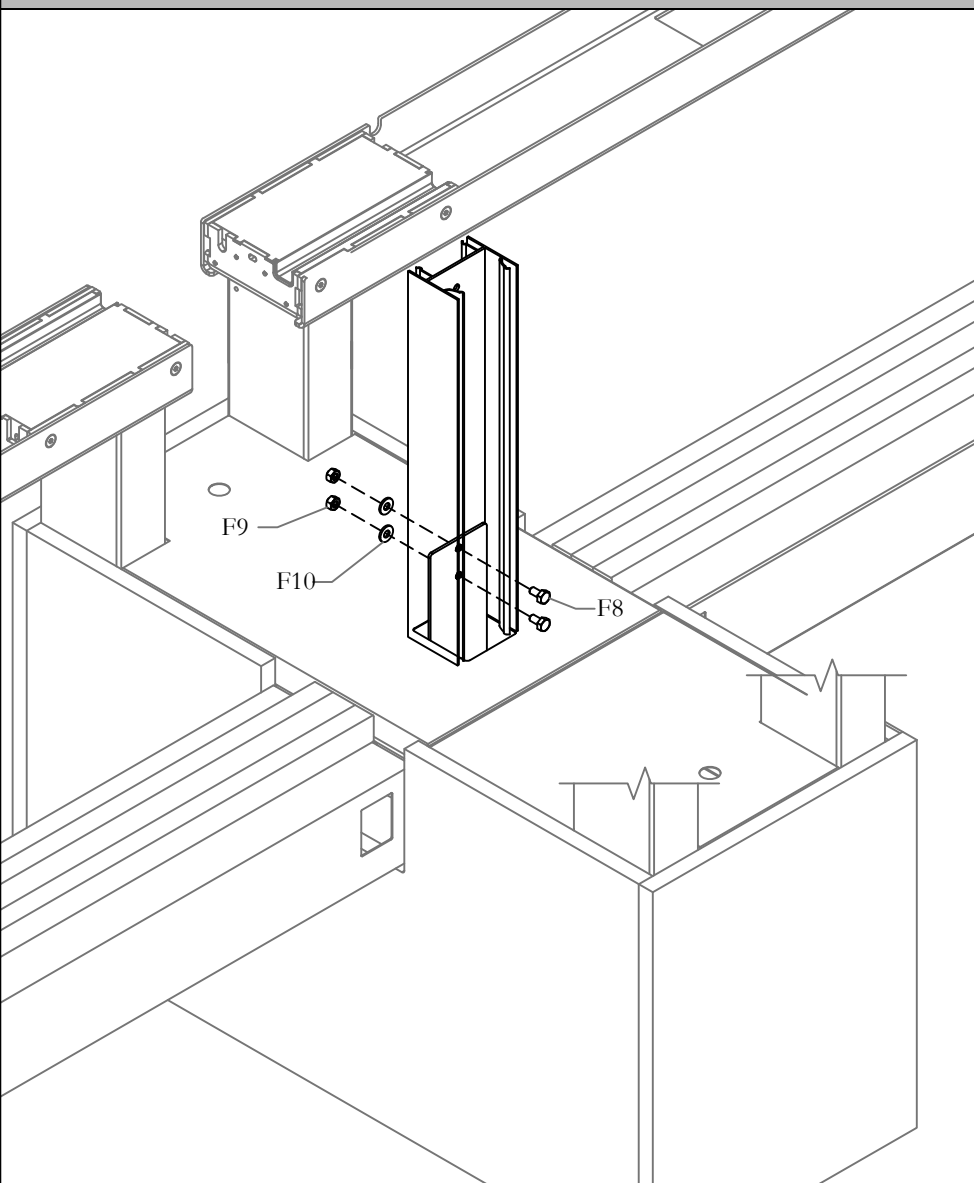
Section: **ELECTRICS**

Description: **POWER POLE - MID & CEILING FEED**

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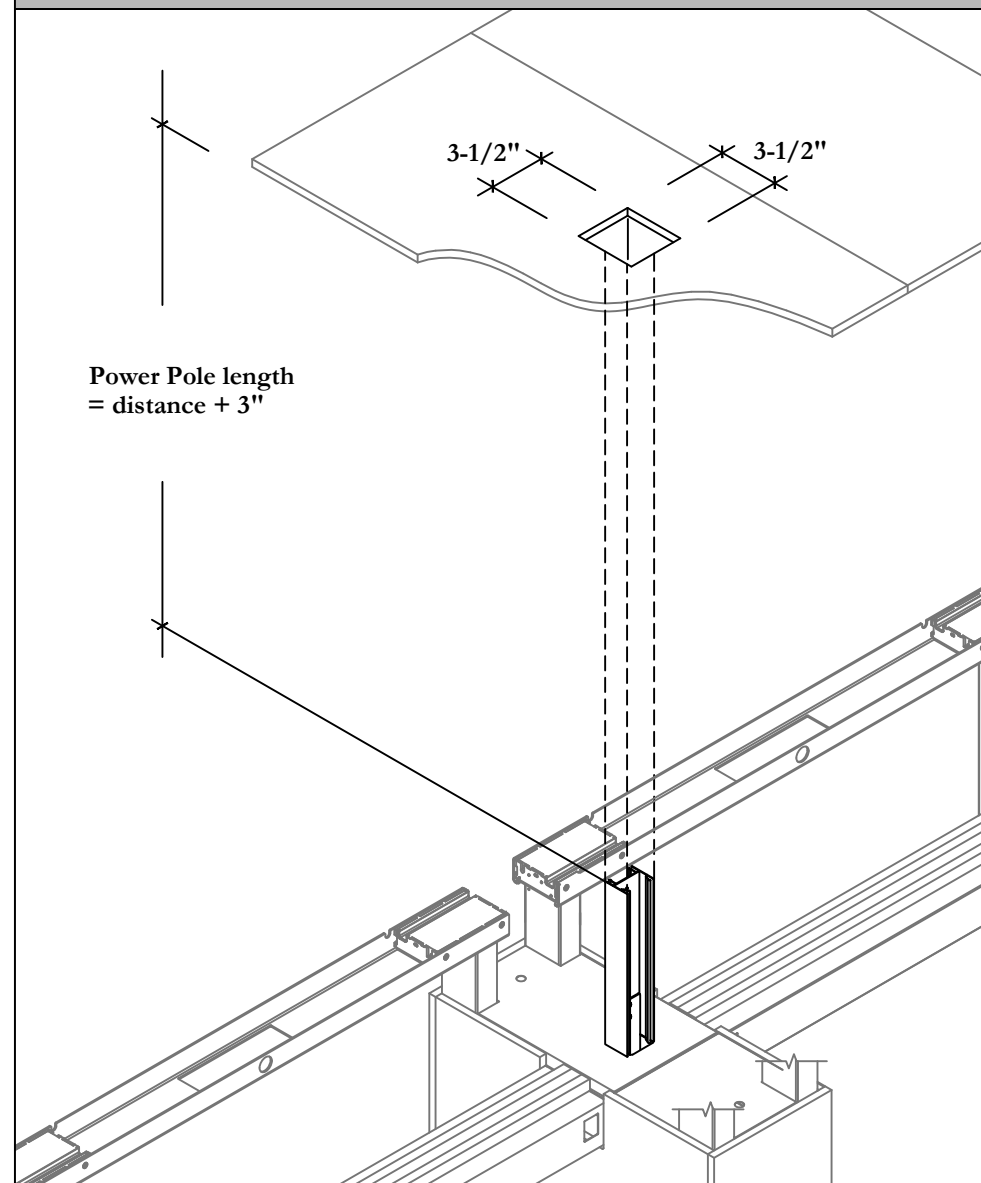
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SECURE BOTTOM EXTRUSION



STEP 3: Fasten Bracket to Lower Power Pole.

CEILING CUT OUT



STEP 4: Mark Power Pole position on the ceiling using Plum Bob Line. Cut 3-1/2" x 3-1/2" opening. Measure distance from top of the Lower Power pole Extrusion to the Ceiling. Add approximately 3" to that dimension and cut Power pole and power pole Cover to that measurement.

height adjustable bench *Installation Guides*

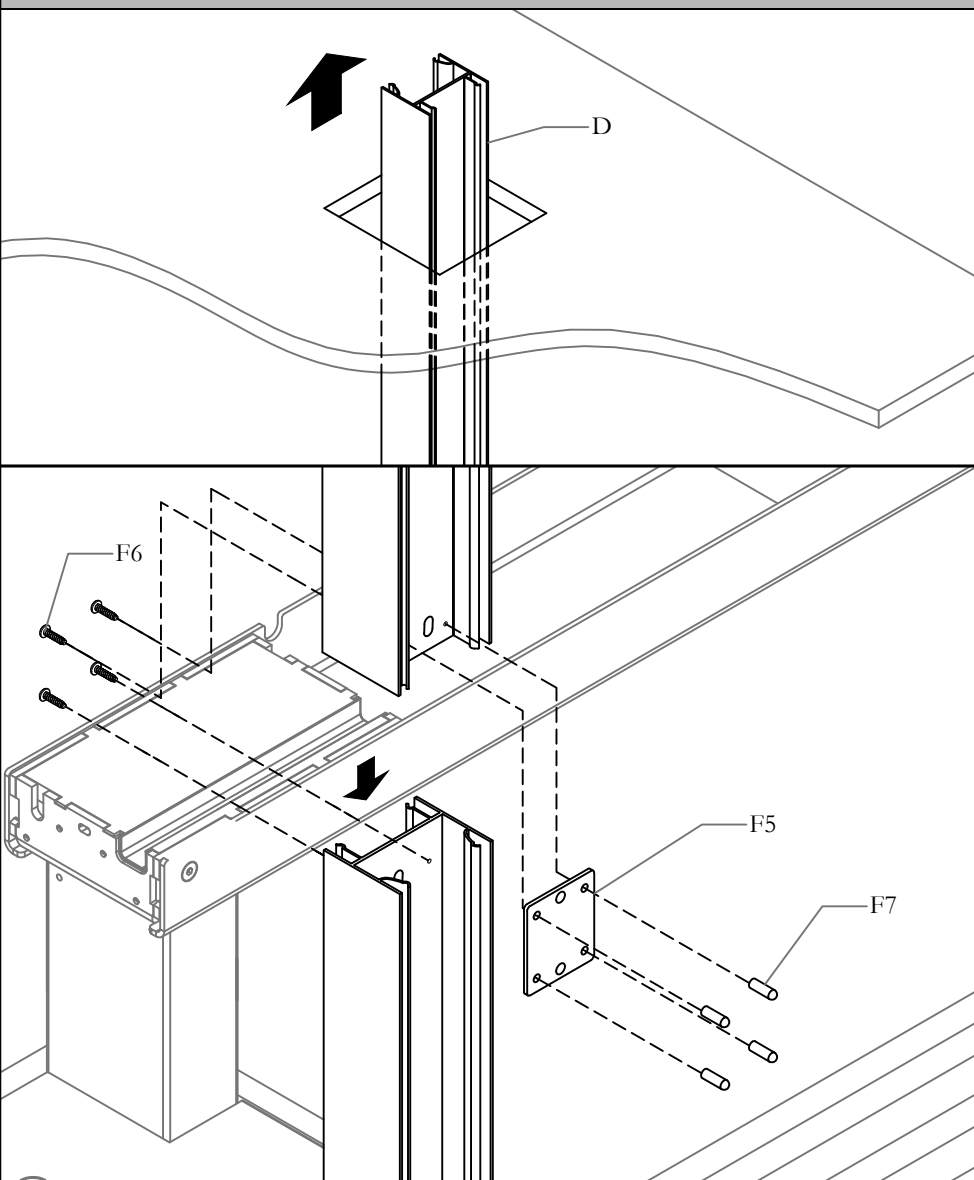
Section: **ELECTRICS**

Description: **POWER POLE - MID & CEILING FEED**

teknion

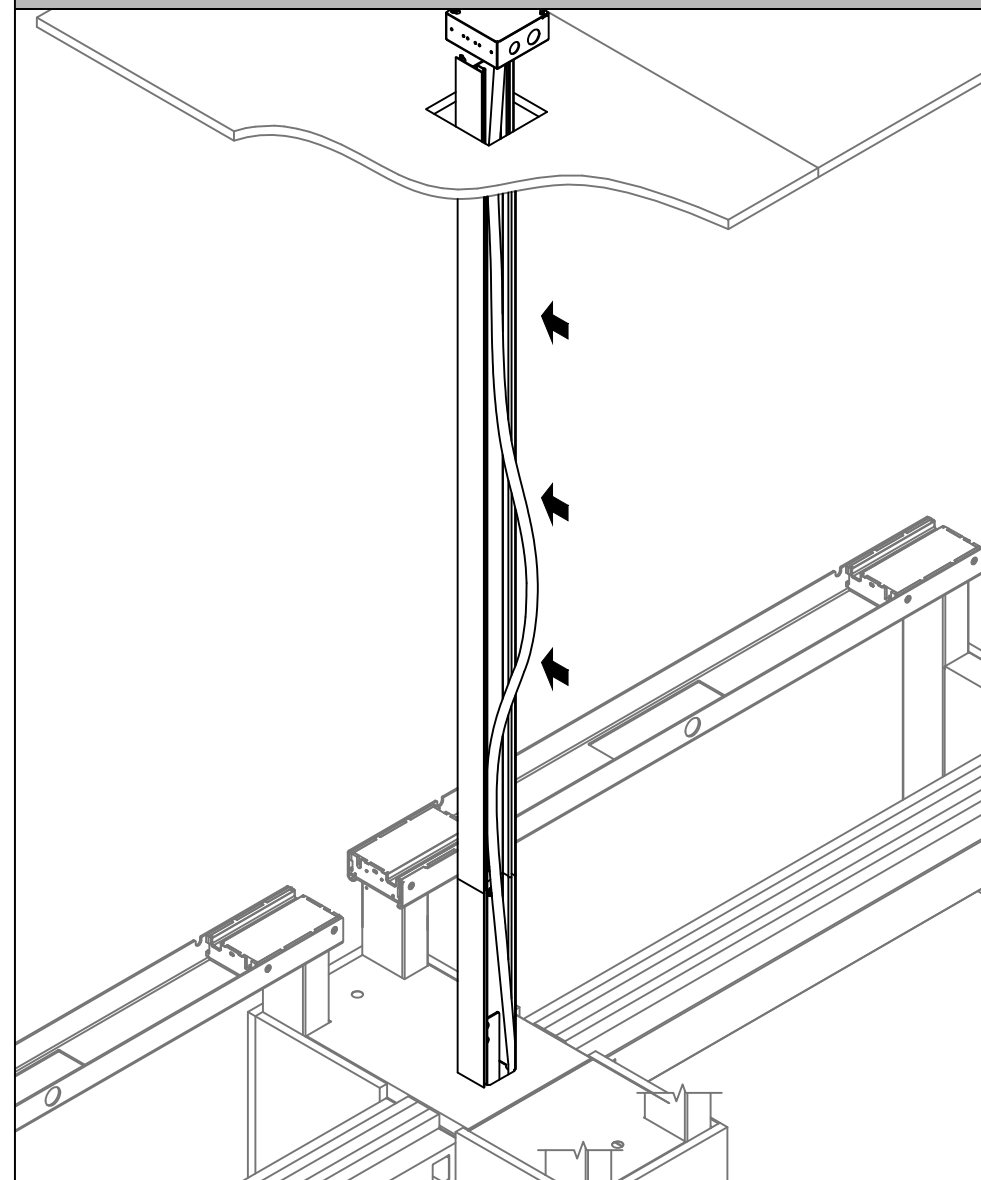
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UPPER EXTRUSION ASSEMBLY



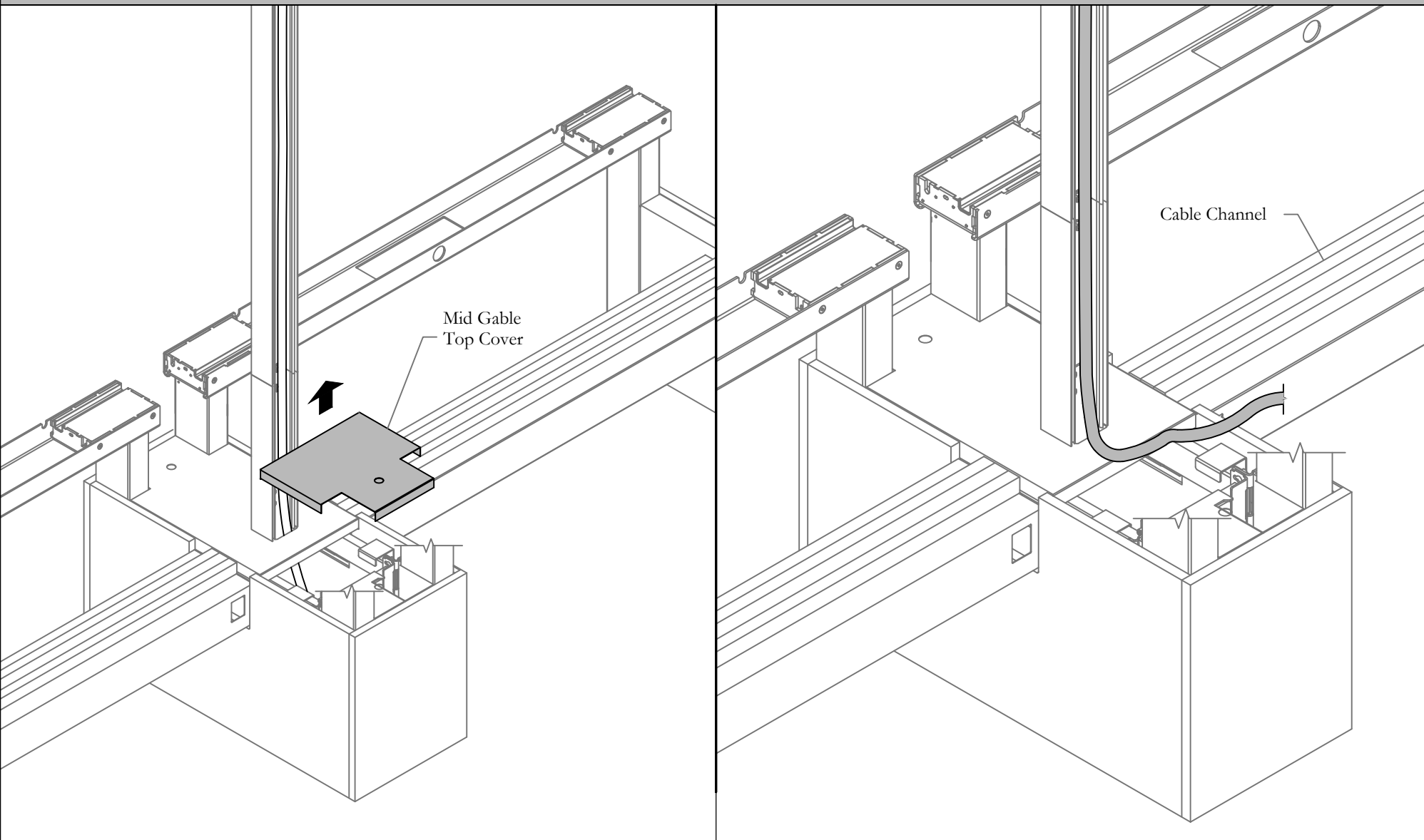
STEP 5: Insert Upper power Pole Extrusion inside ceiling cut-out (uncut edge down). Drop Power Pole Upper Extrusion on the top of Lower Extrusion and connect them together using Connection Plate and Screws.

CEILING FEED ASSEMBLY



STEP 6: Drop Ceiling Feed cable down through ceiling cut-out down along the Power Pole Slide junction box bracket inside the Power Pole Extrusion.

CABLE MANAGEMENT



STEP 6: Open Mid-Gable Top Cover and Connect Ceiling Feed and fish to the underside of the Cable Channel.

height adjustable bench *Installation Guides*

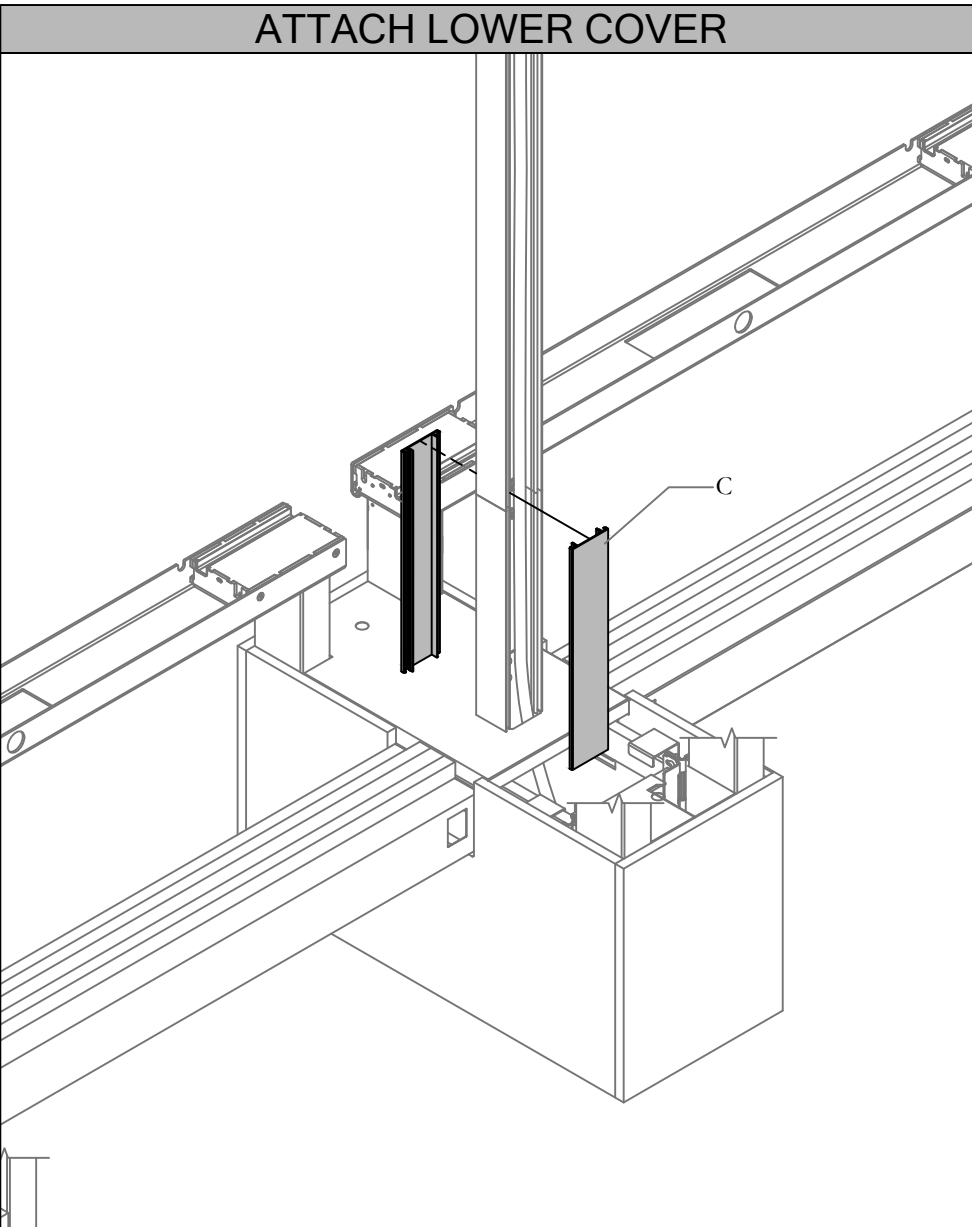
Section: **ELECTRICS**

Description: **POWER POLE - MID & CEILING FEED**

teknion

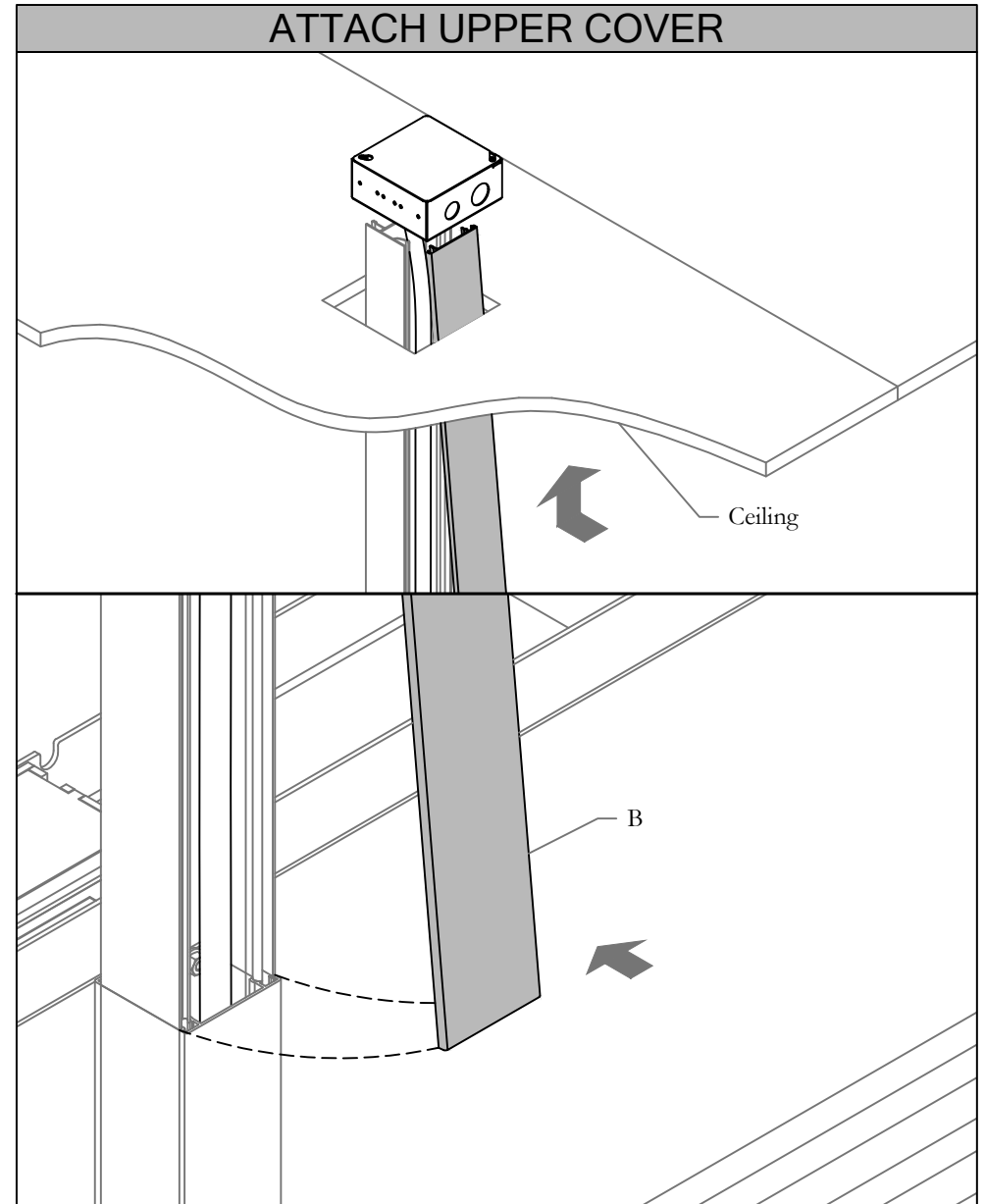
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ATTACH LOWER COVER



STEP 7: Tuck cable and attach Power Pole Covers by engaging them into Lower Extrusion.

ATTACH UPPER COVER



STEP 8: Insert Upper Covers inside ceiling cut-out then engage into Upper Power Pole Extrusion.

height adjustable bench *Installation Guides*

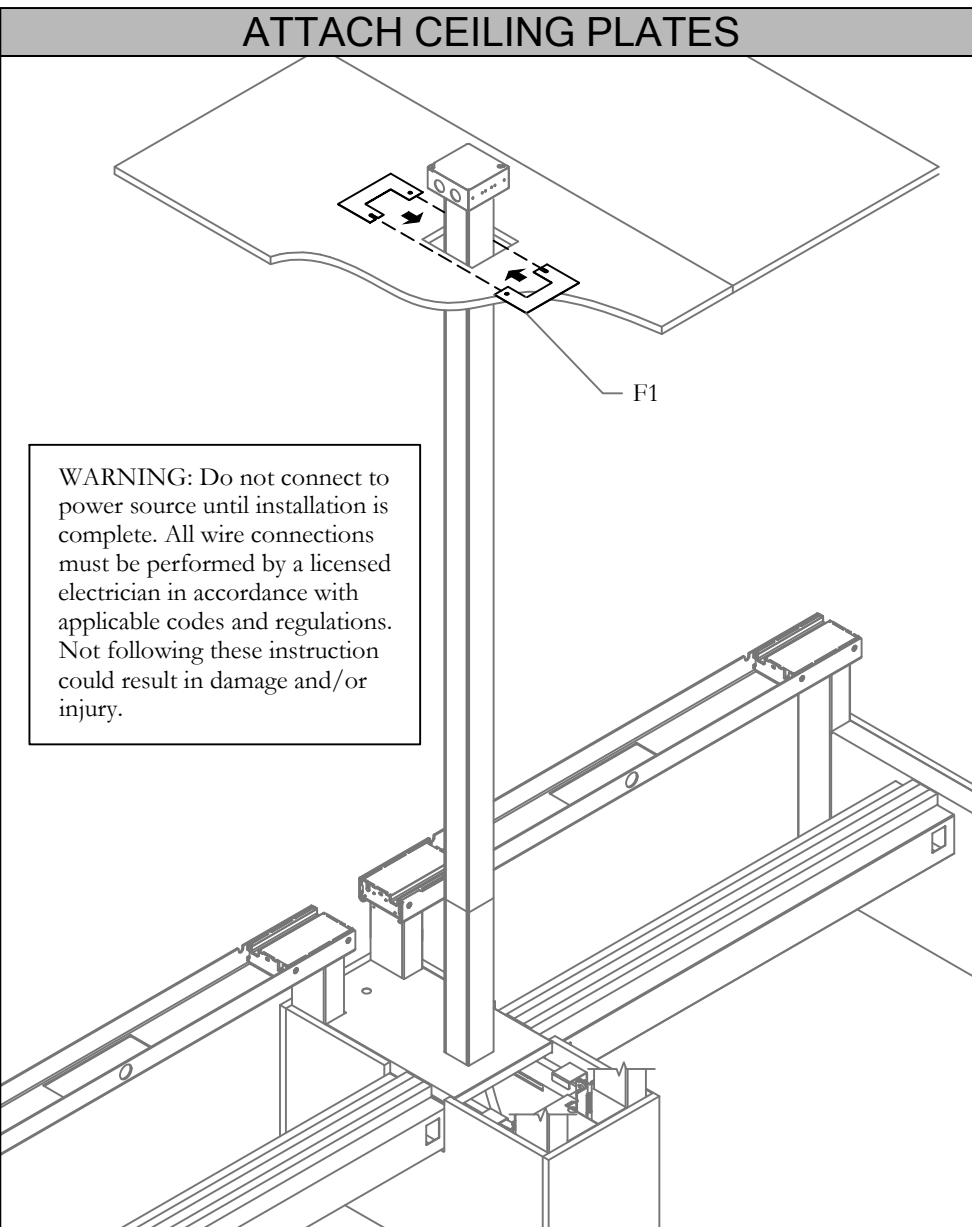
Section: **ELECTRICS**

Description: **POWER POLE - MID & CEILING FEED**

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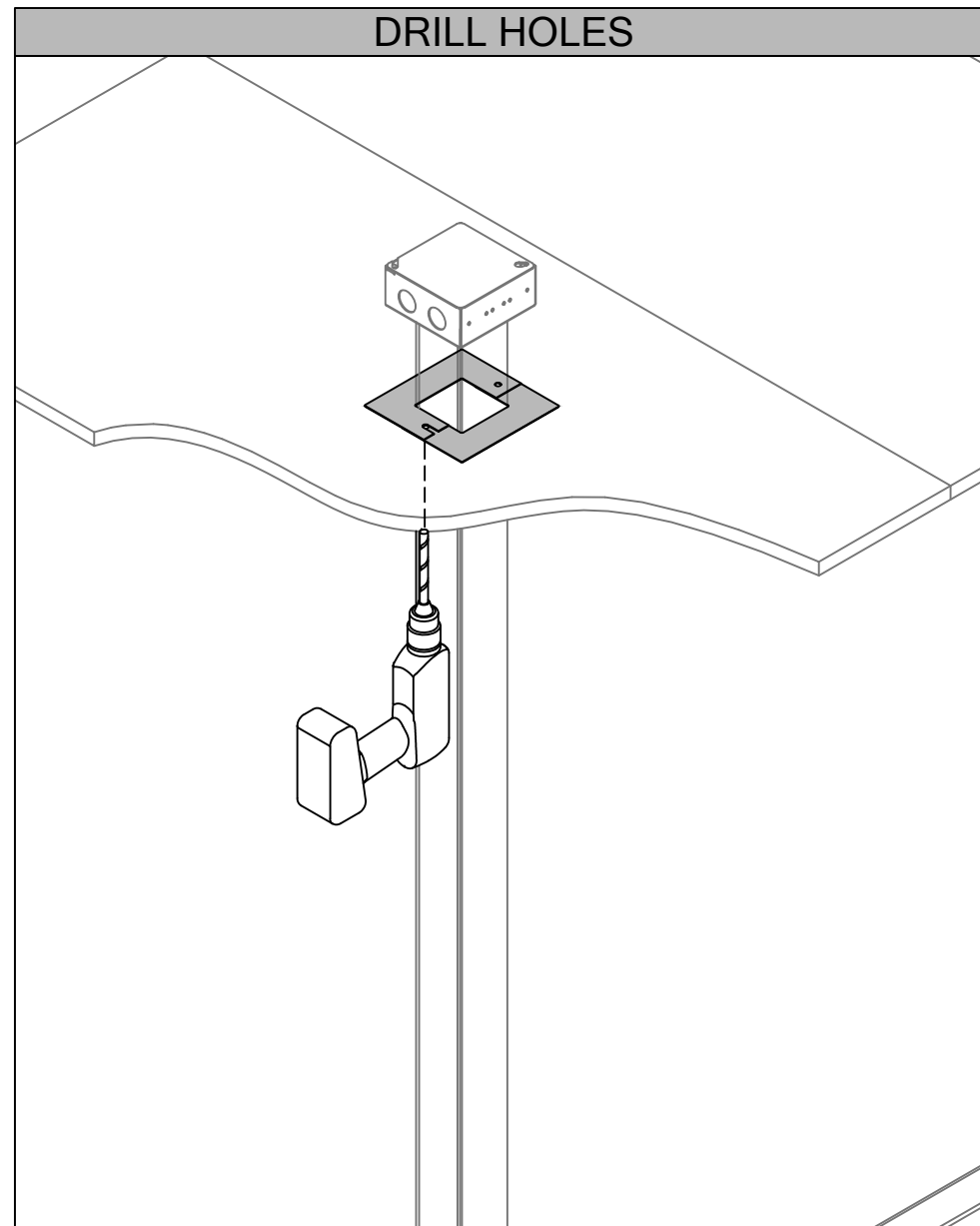
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ATTACH CEILING PLATES



STEP 9: Attach Ceiling Plates to Power Pole under the ceiling.

DRILL HOLES



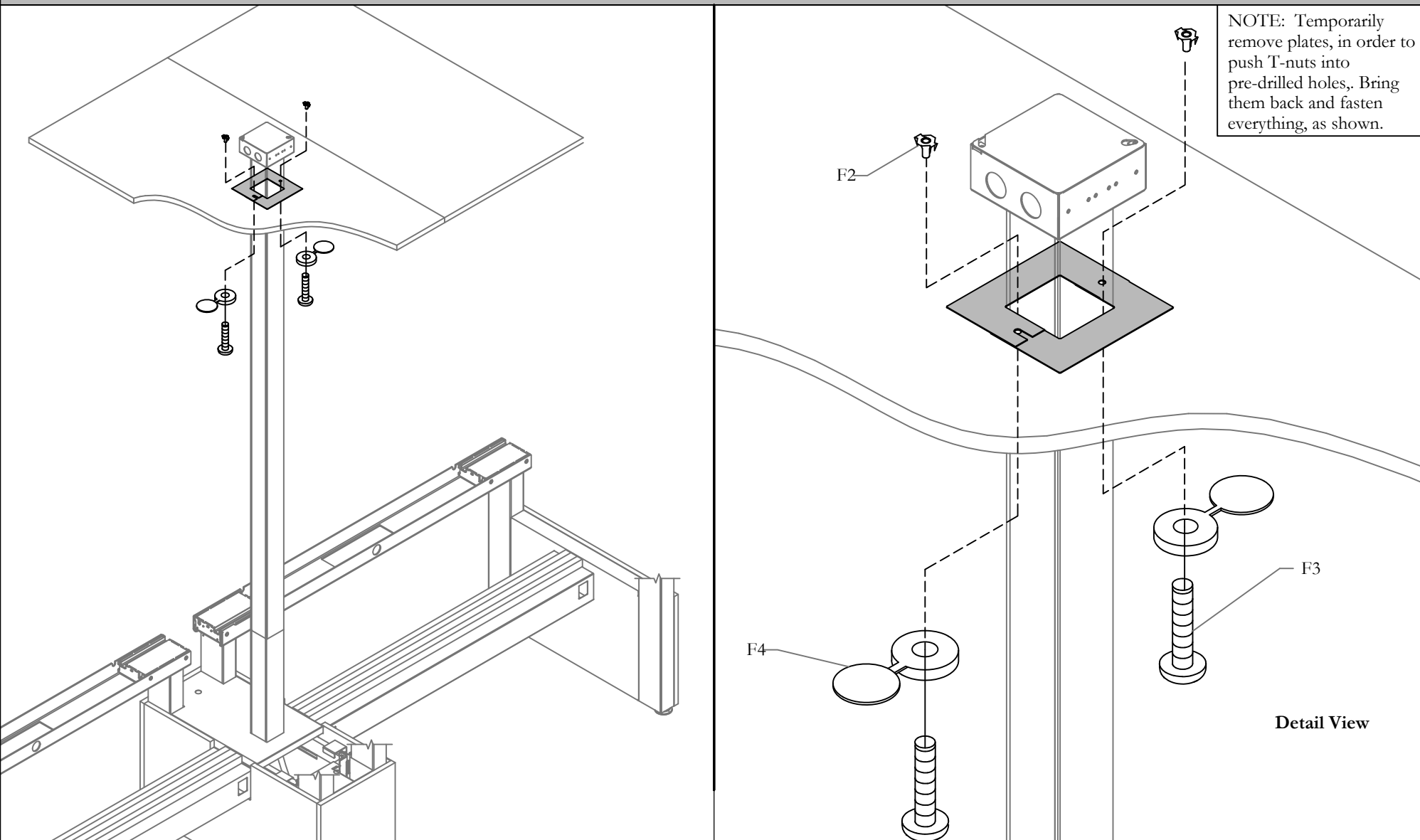
STEP 10: Drill holes for T-nuts using Ceiling Plates as a template to determine location.

Section: **ELECTRICS**

Description: **POWER POLE - MID & CEILING FEED**

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PLATES INSTALLATION



STEP 11: Push T-nuts inside holes from the top of the ceiling tile. Wrap Cover plates around the Power Pole and fasten using hardware provided.

height adjustable bench *Installation Guides*

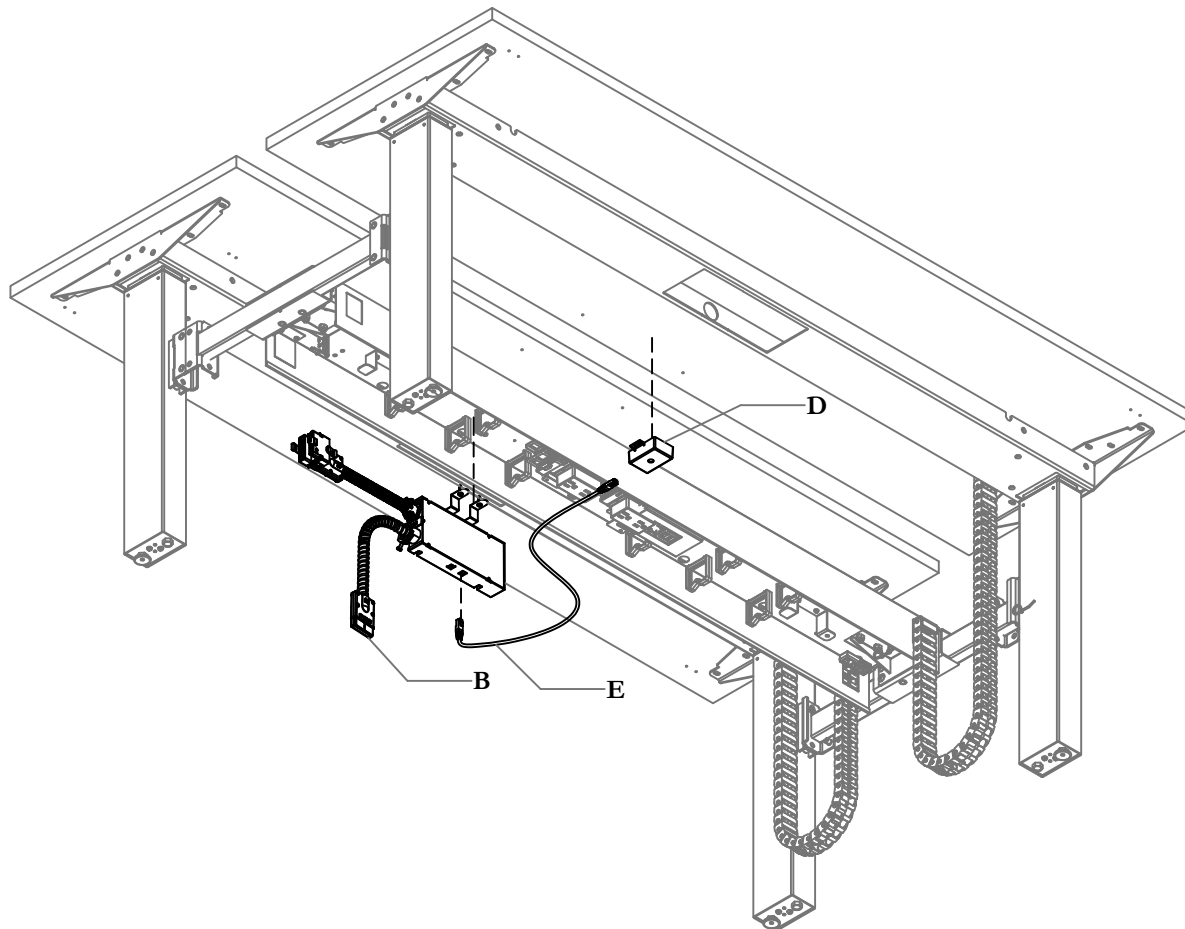
Section: **ELECTRICS**

Description: **POWER CONSERVATION SYSTEM INSTALLATION**

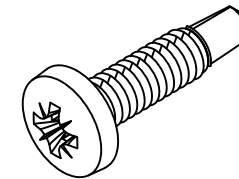
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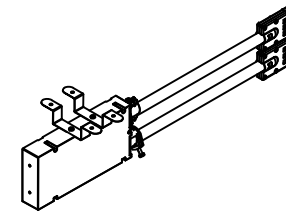
Power Conservation System (HABEPC)



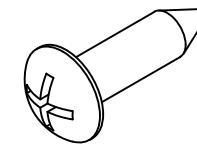
Part and Product Identification



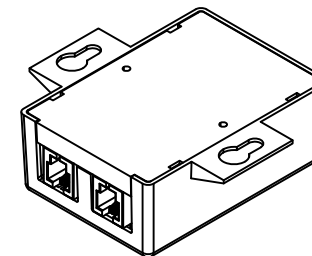
A - #8 x 3/4 Slf Tping Scrw
FS8x.075QPTEKS x4



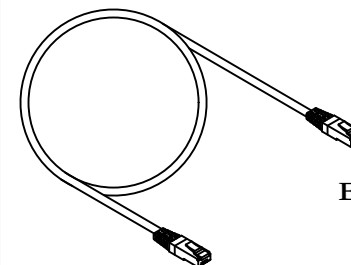
B - Control Box
Control Box-12.11 x1



C - #8 x 3/4 Wood Screw
x Qnty Varies



D - PIR Sensor
Sensor R01 x Qnty Varies



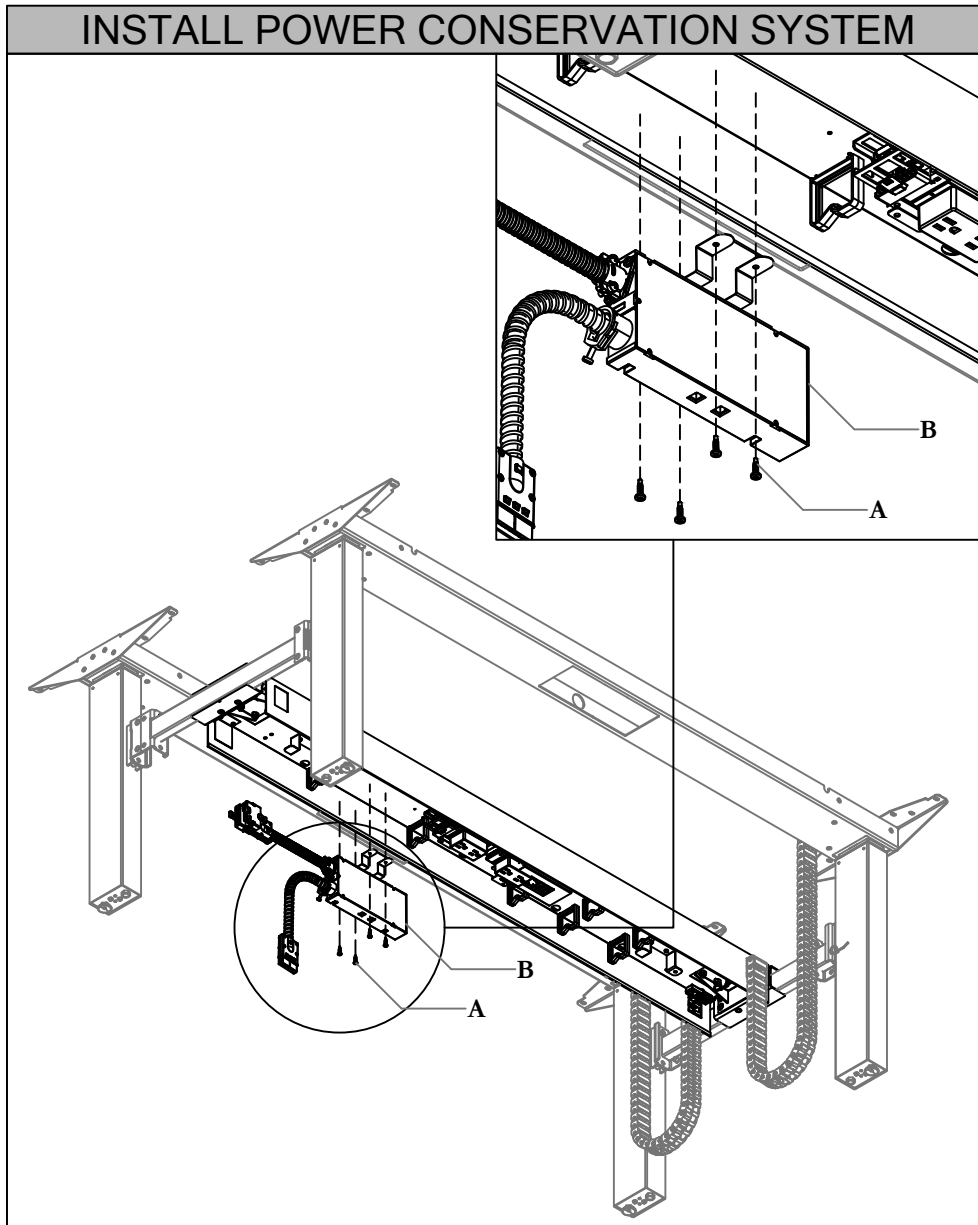
E - 12' CAT3 Cable
CAT3 Cable x Qnty Varies

Section: **ELECTRICS**

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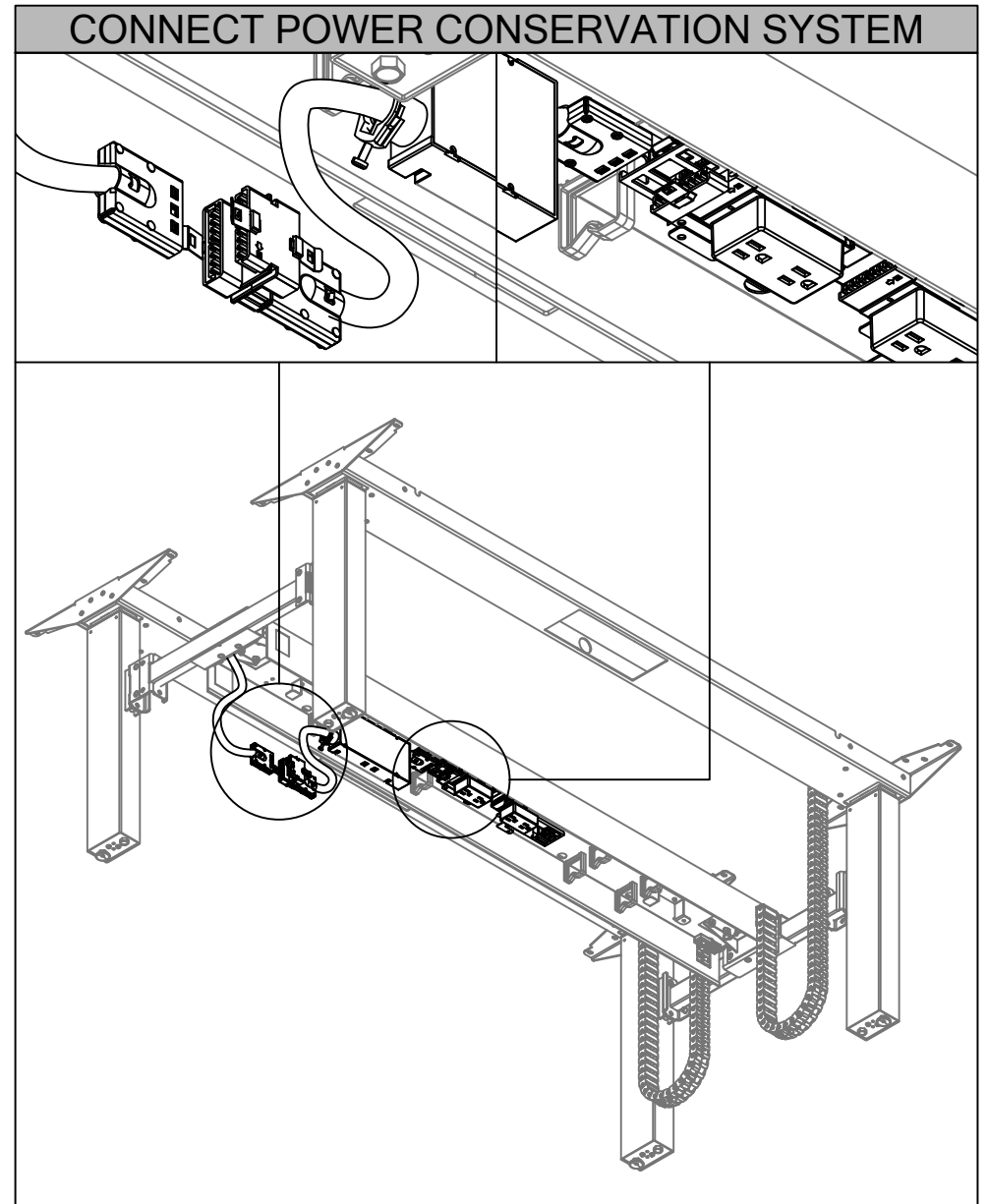
Description: **POWER CONSERVATION INSTALLATION**

INSTALL POWER CONSERVATION SYSTEM



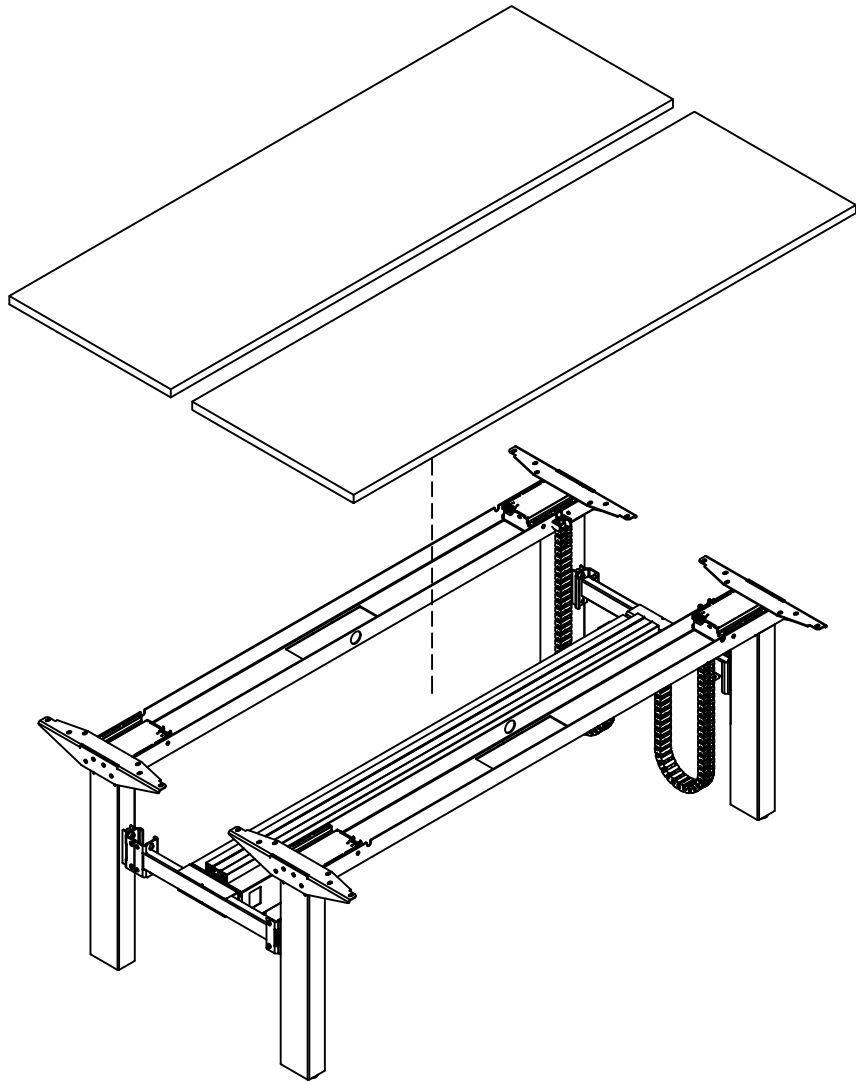
STEP 1: Install Power Conservation System beneath Cable Channel using Self Tapping Screws

CONNECT POWER CONSERVATION SYSTEM



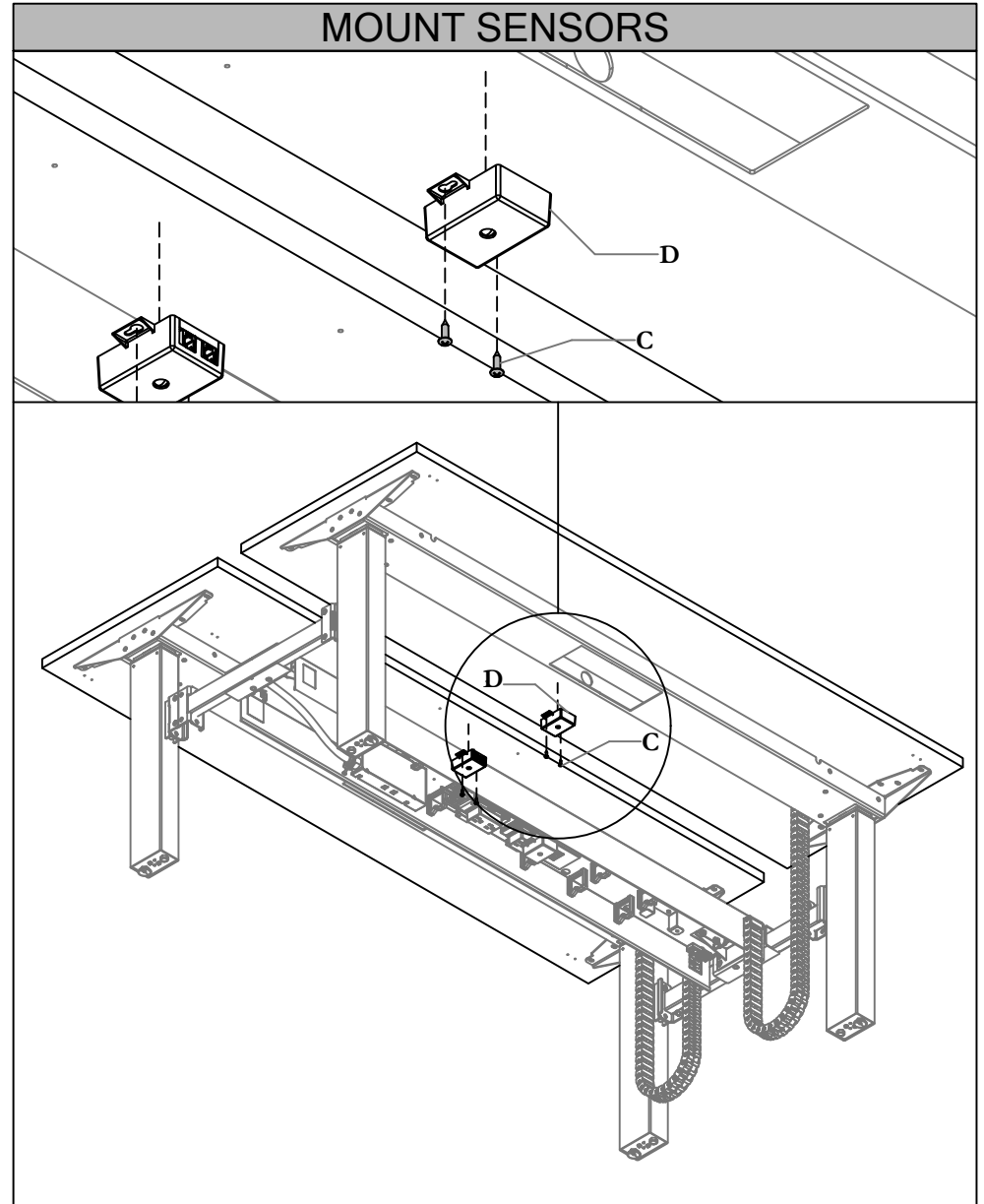
STEP 2: Connect Power Conservation System to Base Feed and Power Module

MOUNT WORKSURFACES



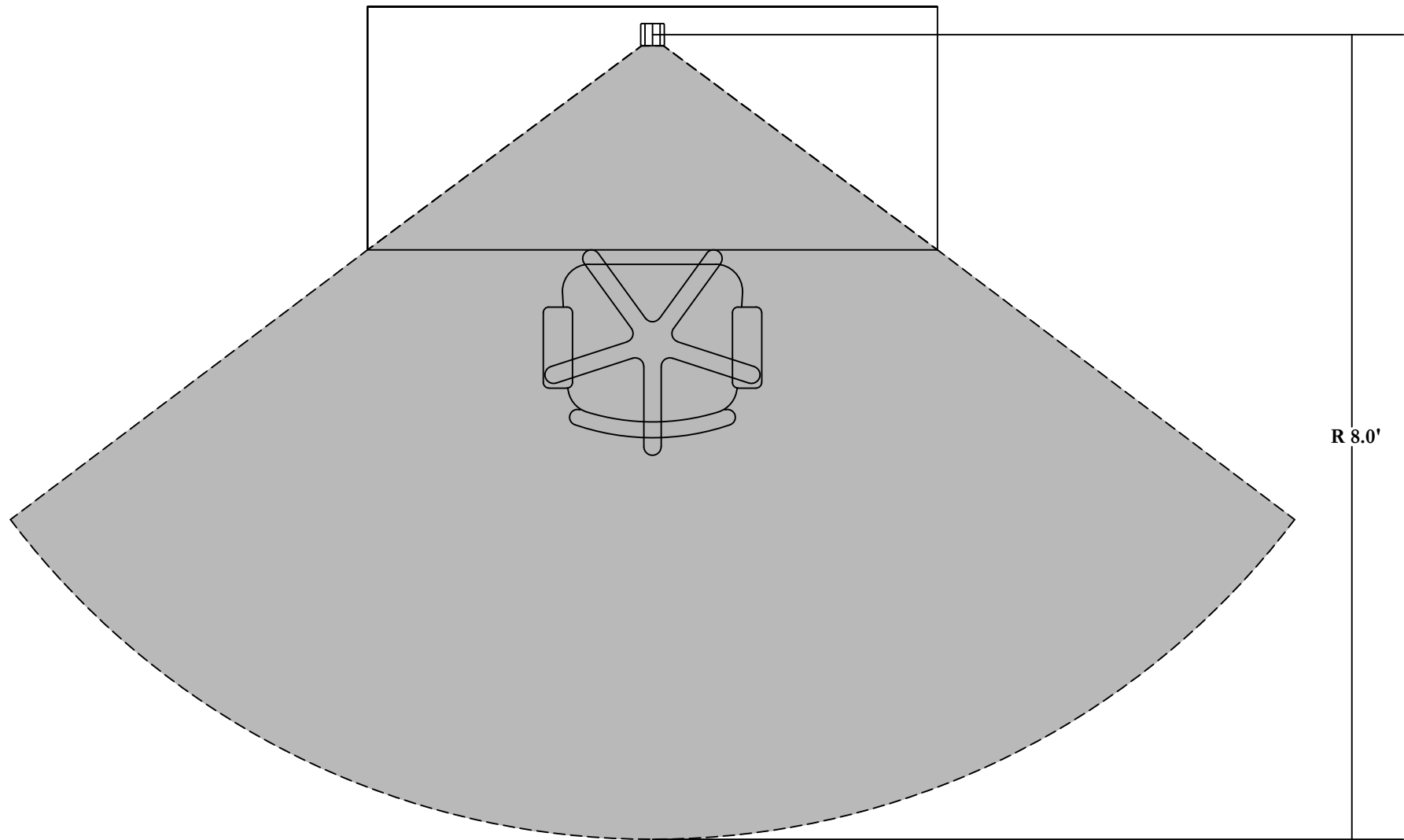
STEP 3: Mount Worksurfaces

MOUNT SENSORS



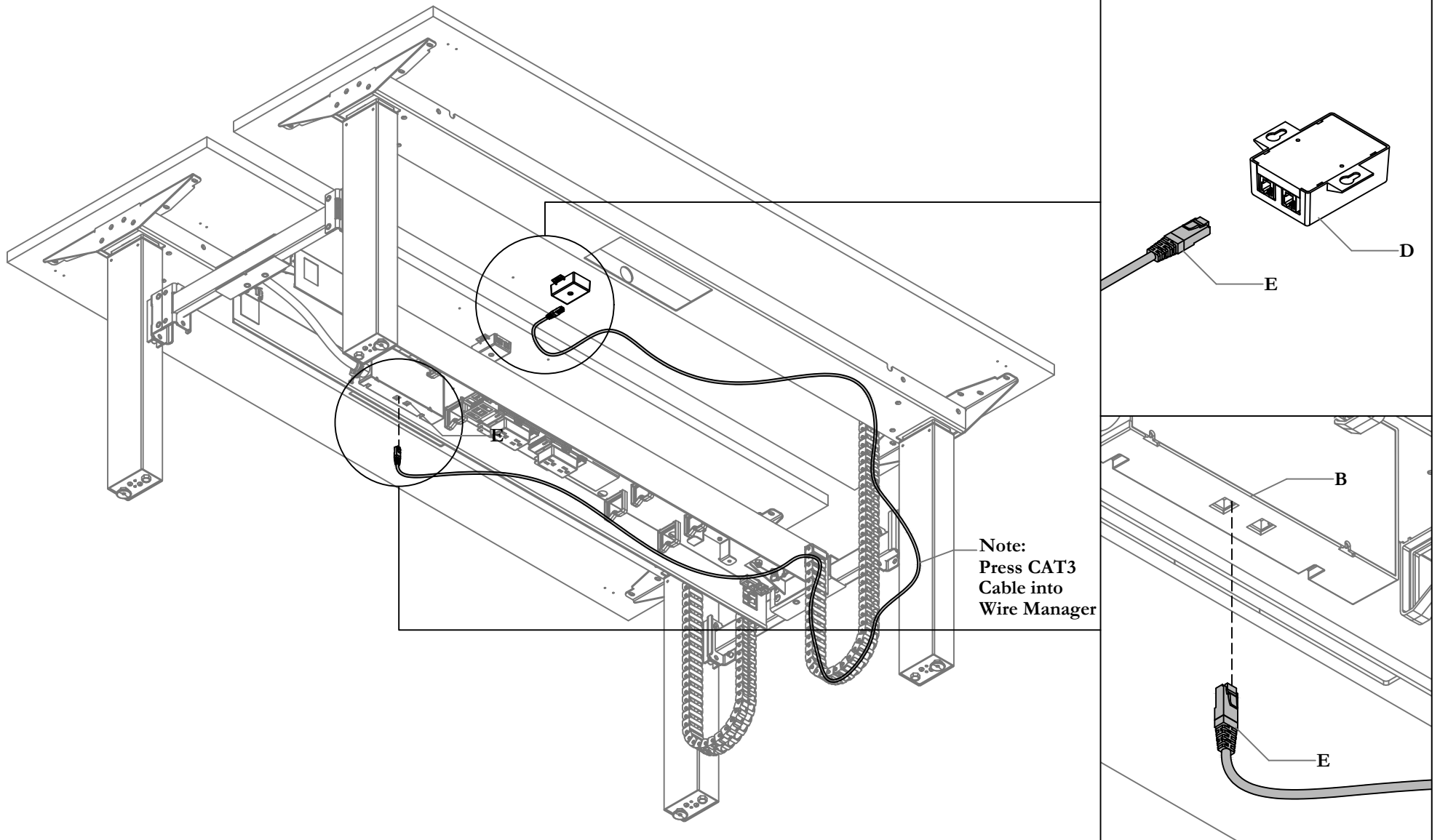
STEP 4: Mount Sensors using Wood Screws

DESCRIPTION



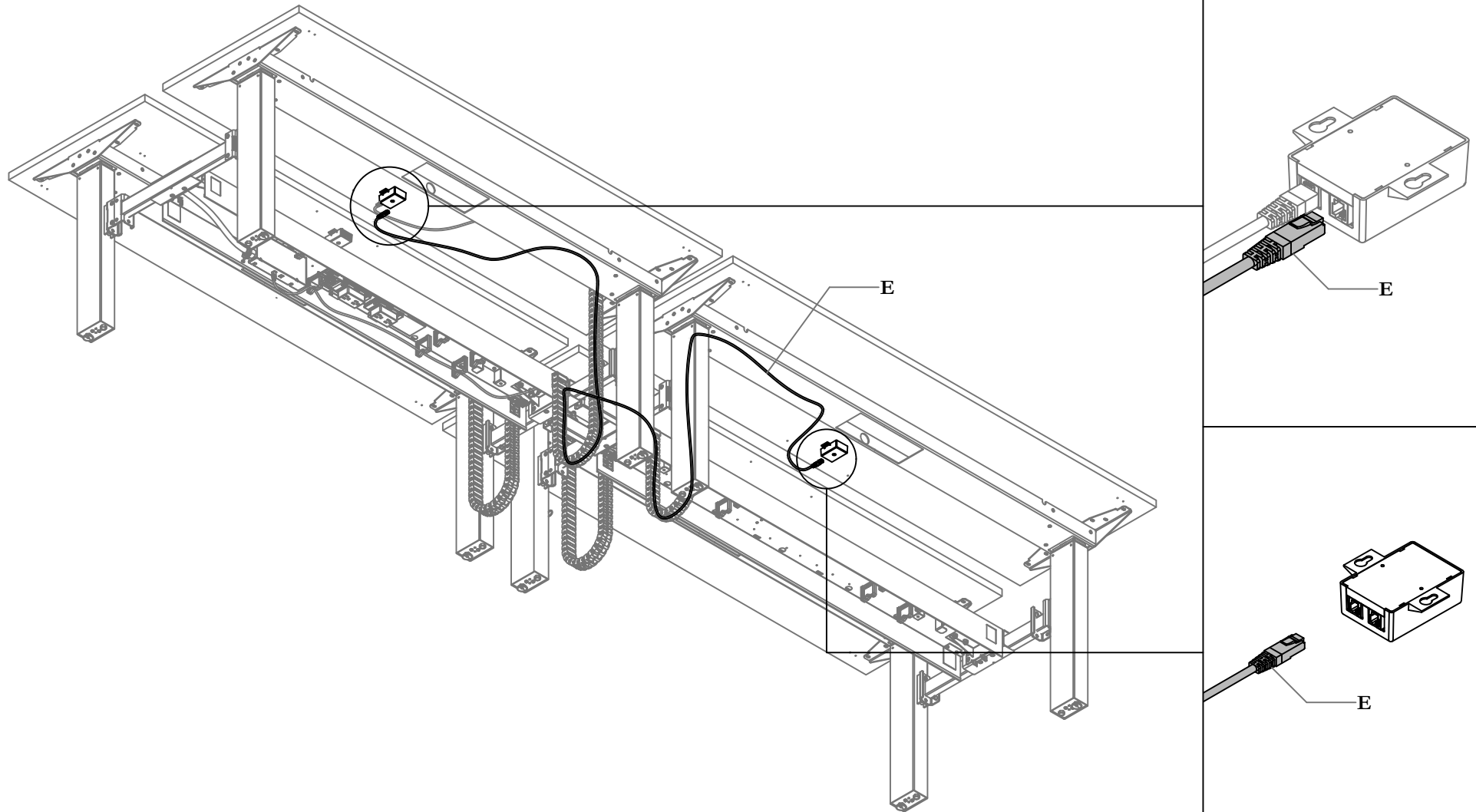
Note: Sensor placement will be based on location of User, Length of CAT3 Cable, and Desk Configuration

CONNECT SENSOR TO POWER CONSERVATION SYSTEM



STEP 5: Connect Sensor to Sensor using CAT3 Cable

SENSOR GANGING



STEP 6: Connect Sensors together using CAT3 Cable