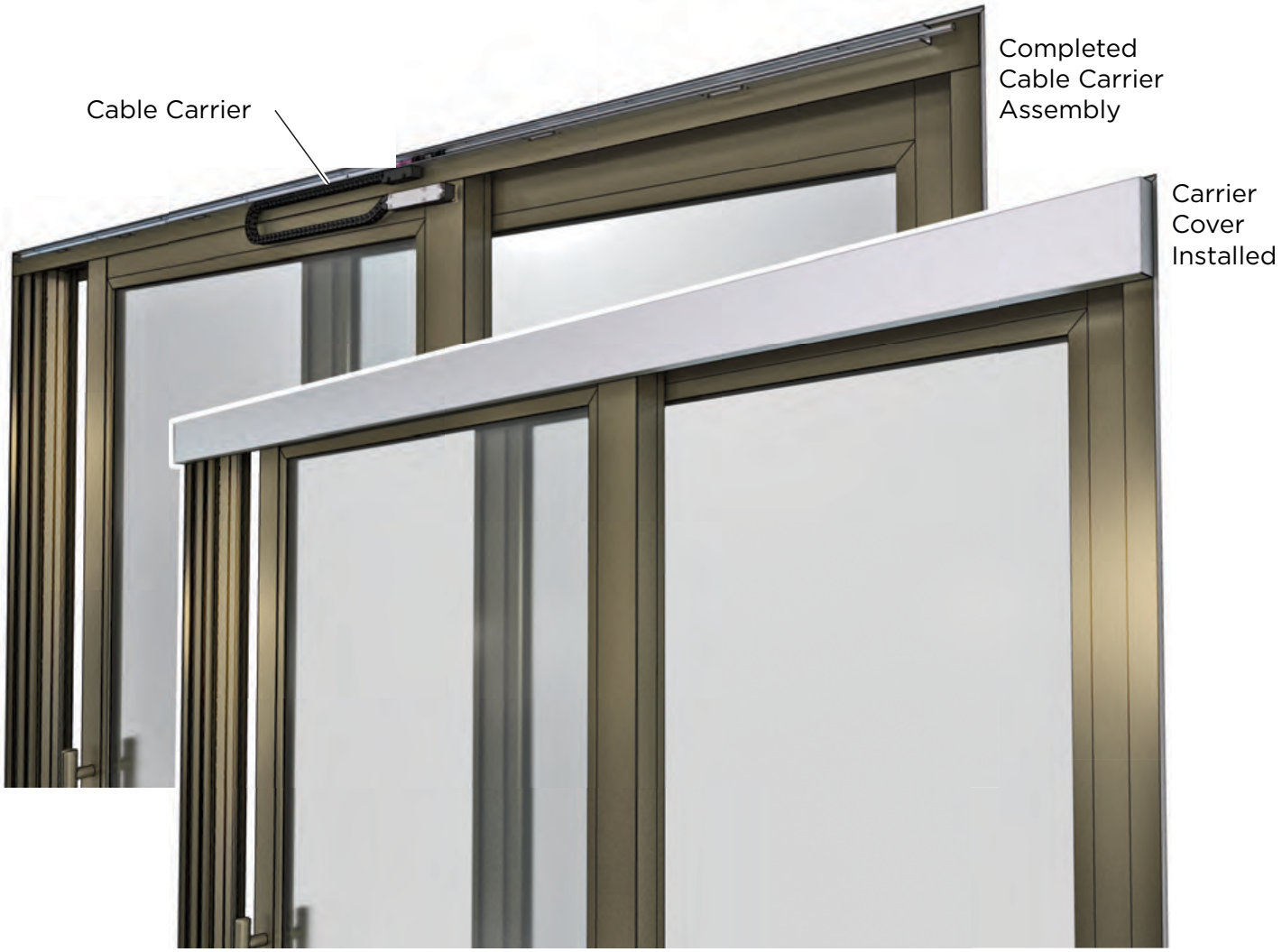
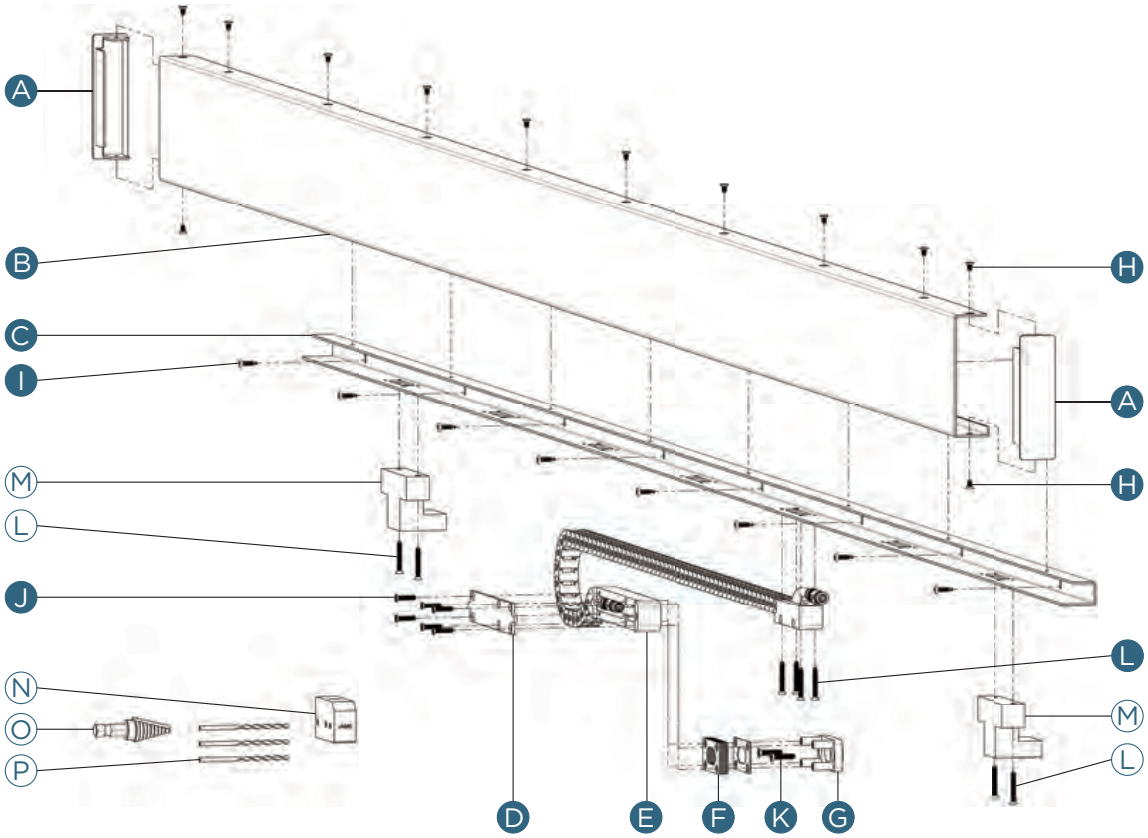
Sliding IGU Cable Management System

The Sliding IGU Cable Management System provides flexible connectivity for power and control to sliding door IGU installations that guides and protects movement of the IGU cable as the door is opened and closed. This is accomplished by using a cable carrier that is mounted, on one end, to a stile of the sliding door, and on the other, to a carrier base installed on the door frame head that provides the IGU cable connection to the Window Controller. A carrier cover is installed over the cable carrier and carrier base to complete the Cable Management System installation.



Parts Diagram For XO/OX Configurations



Item	Qty	Part Number	Description
A	2	030-101093	Carrier Cover End Cap
B	1	030-101083	Carrier Cover
C	1	030-101084	Carrier Base
D	1	020-101146	Door Bracket Cover
E	1	010-101137	Cable Carrier
F	10	020-101142	Door Bracket Spacer
G	1	010-101140	Door Bracket Base
H	12	500-101118	Screw, Flat Head Phillips, Self-Tapping, 6-32 X 0.250
I	8	500-101119	Screw, Pan Head Phillips, Drill-Tap, 6-20 X 0.500
J	6	500-101115	Screw, Flat Head Phillips, Machine, 6-32 X 0.625

Item	Qty	Part Number	Description
K	2	500-101117	Screw, Flat Head Phillips, Self-Tapping, 8-32 X 0.750
L	4	500-101116	Screw, Flat Head Phillips, Self-Tapping, 6-32 X 1.000

Installation Kit Parts			
M	2	020-101148	Carrier Base Setup Guide
N	1	020-101147	Door Bracket Drill Guide
O	1	050-101218	Step Drill Bit, 1/4”-3/4”
P	3	050-101219	Drill Bit, #29 (0.136”)
L	4	500-101116	Screw, Flat Head Phillips, Self-Tapping, 6-32 X 1.000

Specifications

Installed Length	4”
Installed Depth	1-1/8” + Door Off set distance from mounting face to face of door
Door Offset	1/8” up to 3/4” (contact View if your application requires greater off set)
Width	Up to 96”
Material	Aluminum
Finish	Clear Anodized
Warranty	5 year warranty
Electrical	The Sliding IGU Cable Management System is a low voltage product and is only for use with View IGU cables and controllers manufactured by View Dynamic Glass. This product has an IP rated connector to transfer power and communication to and from the IGU.

Ordering Information

System Part Number	Door Configuration	Door Travel	Rough Opening
015-101390	XO/OX	Up to 46”	Up to 96”

Installation Kit Part Number	Description
015-101375	See Installation Kit Parts List, Page 3

Note to Glazier for IGU Installation

The IGU must be installed with the IGU CABLE CONNECTOR positioned and accessible at the top of the stile for connection to the CABLE CARRIER (E) as described on pages 8 through 11.

- The CABLE CONNECTOR must be positioned inside the stile so that it will not be damaged when drilling holes using the DOOR BRACKET DRILL GUIDE (O) as described on page 7.
- Fix position of the CABLE CONNECTOR inside the stile with tape.
- If the IGU Smart Window Connector is positioned on the lower right side, an EXTENSION CABLE will be needed to make a connection to the CABLE CARRIER (E).
- Doors with multiple lites require additional EXTENSION CABLES and WYE CONNECTORS as needed to make a single connection to the CABLE CARRIER. Note: the additional lites must be approximately the same size.
- Indicate location of the IGU CABLE CONNECTOR on the stile with tape or chalk.

Cutaway views of OX sliding doors showing IGU Smart Window Connector connections in left and right stiles of door.

Note to Glazier for IGU Installation (continued)

Cutaway views of OX sliding doors showing IGU Smart Window Connector connections in left and right stiles of door.

Step 1: Prepare Carrier Cover And Carrier Base

For most installations the CARRIER BASE (C) length should be 4” shorter than the width of the door frame.

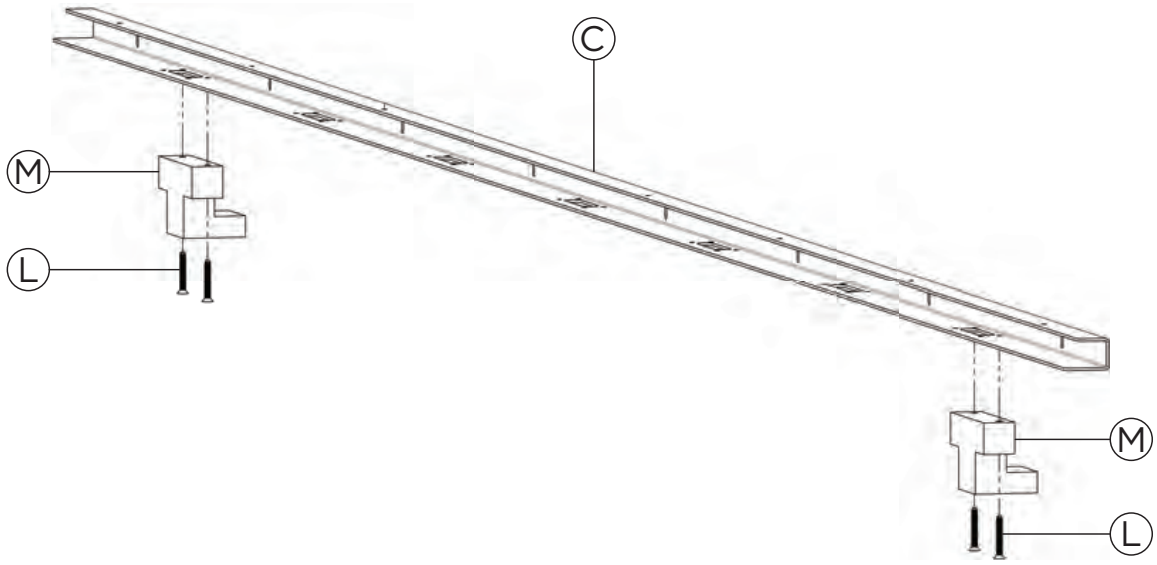
- Cut the CARRIER COVER (B) and CARRIER BASE (C) as needed.
- Cut one end only to simplify installation.

Measure width of the door frame and use the following table to calculate cut lengths for the CARRIER COVER (B) and CARRIER BASE (C).

Cut the CARRIER COVER (B) and CARRIER BASE (C) using values calculated in the following table.

Operation	Measurement
Enter Door Frame Width:	
Subtract To Determine CARRIER COVER (B) Length:	- 1/8”
CARRIER COVER (B) Length:	
Subtract to Determine CARRIER BASE (C) Length:	- 4”
CARRIER BASE (C) Length:	

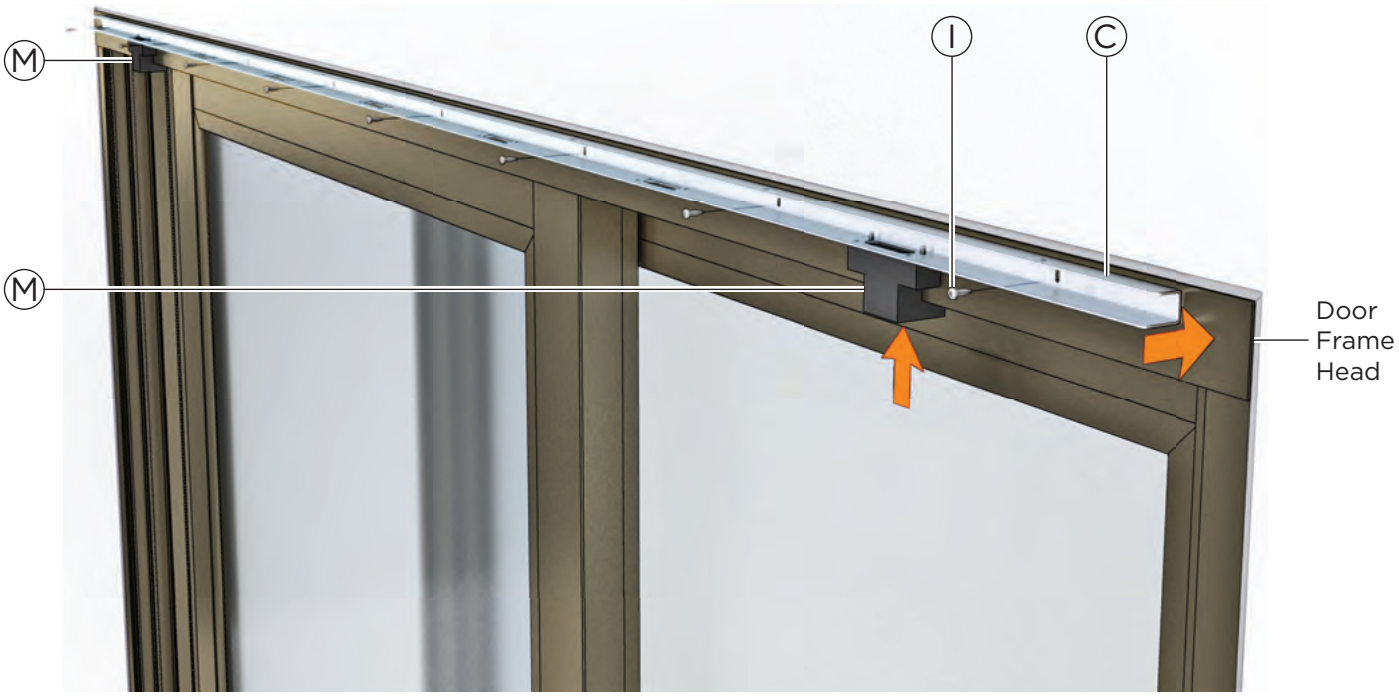
Attach a CARRIER BASE SETUP GUIDE (M) to each end of the CARRIER BASE (C) using SCREWS (L).



Step 2: Install Carrier Base

Attach CARRIER BASE (C) to the door frame head using self drilling screws:

- Slide the door partially open to a position with clearance from both CARRIER BASE SETUP GUIDES (N).
- Place the CARRIER BASE (C) to a position centered over the door frame, and raise the CARRIER BASE (C) until the CARRIER BASE SETUP GUIDES (M) rest against the door frame head.
- Attach CARRIER BASE (C) to the door frame head using SCREWS (I).
- Remove the CARRIER BASE SETUP GUIDES (M) and SCREWS (L), and store for future use.



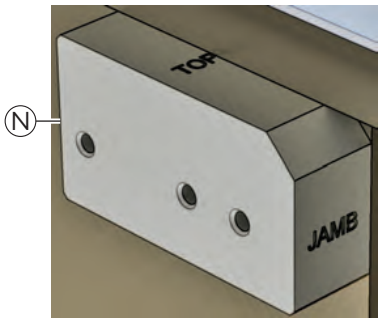
Step 3: Drill Door Stile for Door Bracket Base Installation

Determine which stile of the sliding door contains the IGU Smart Window Connector and the IGU Cable and Connector assembly.

NOTE: The View Dynamic Glass logo is etched on the same corner of the glass as the IGU Smart Window Connector location.

Slide door to the right or left, closed or open to the maximum extent, so that the stile containing the IGU Cable Connector is positioned adjacent to, fl ush against, or fi tted into the right or left door jamb.

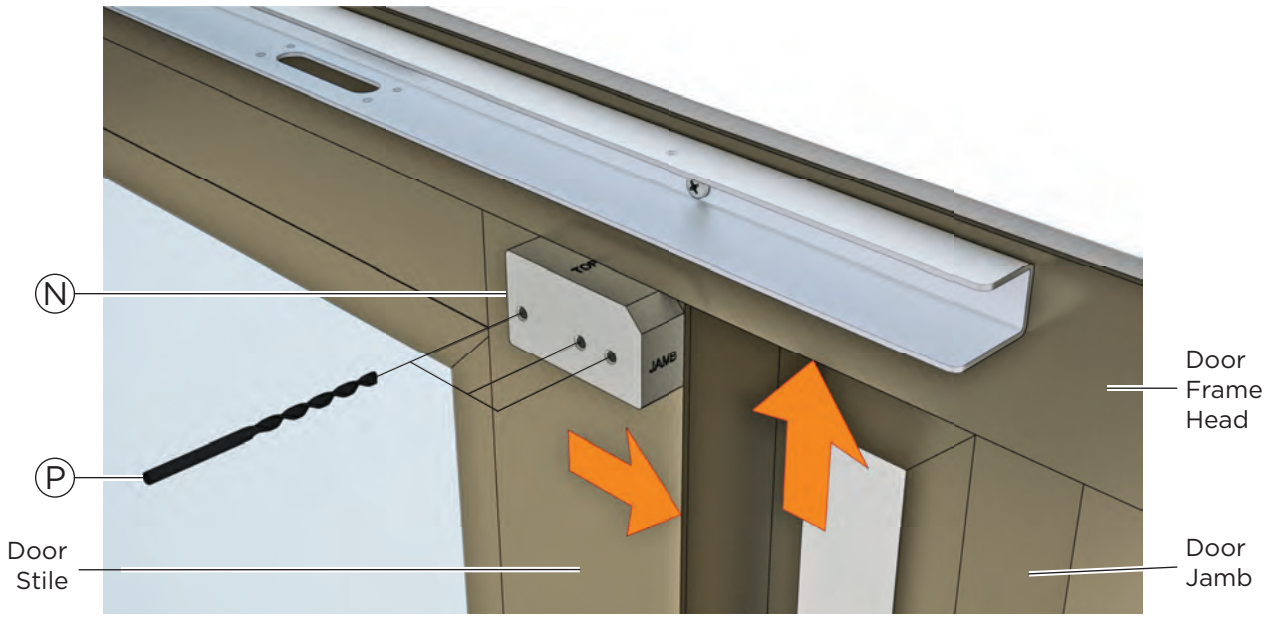
Place DOOR BRACKET DRILL GUIDE (N) on the door stile with the upper side labeled “TOP” positioned against the door frame head, and the angled corner side labeled “JAMB” facing the corresponding door jamb.



- If door closes or opens fl at against the jamb, position the side labeled JAMB” against the outer edge of the jamb.
- If door fits into a recessed jamb, position the side labeled “JAMB” against the outer edge of the jamb.
- If door stops short of the jamb, align the side labeled “JAMB” with the outer edge of the door stile.

Drill 3 holes through the door stile using DRILL BIT (P) and DOOR BRACKET DRILL GUIDE (N).

CAUTION: Take care when drilling to avoid damage to the IGU Cable Connector inside the stile.



Step 3: Drill Door Stile for Door Bracket Base Installation (continued)

Enlarge the middle hole to 3/4” diameter using the STEP DRILL (O).

Step 4: Install Door Bracket Base

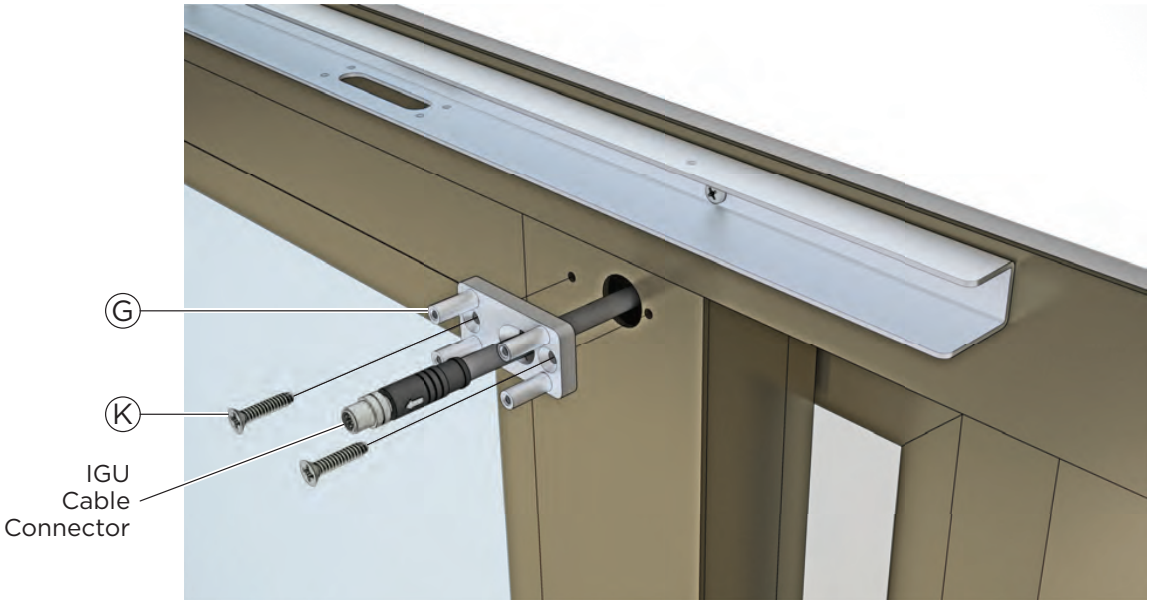
Pull IGU Cable Connector through the 3/4” drilled hole.

NOTE: It may be necessary to remove the door to access the IGU Cable Connector. Before removing the door make reference marks to easily reposition the door to the same location.

Slide DOOR BRACKET BASE (G) over the IGU Cable Connector and position DOOR BRACKET BASE (G) on the door with the 2 outside holes aligned.

Secure DOOR BRACKET BASE (G) to the door using 2 SCREWS (K).

Reinstall the door if it was removed. Adjust the door’s position to match the reference marks.



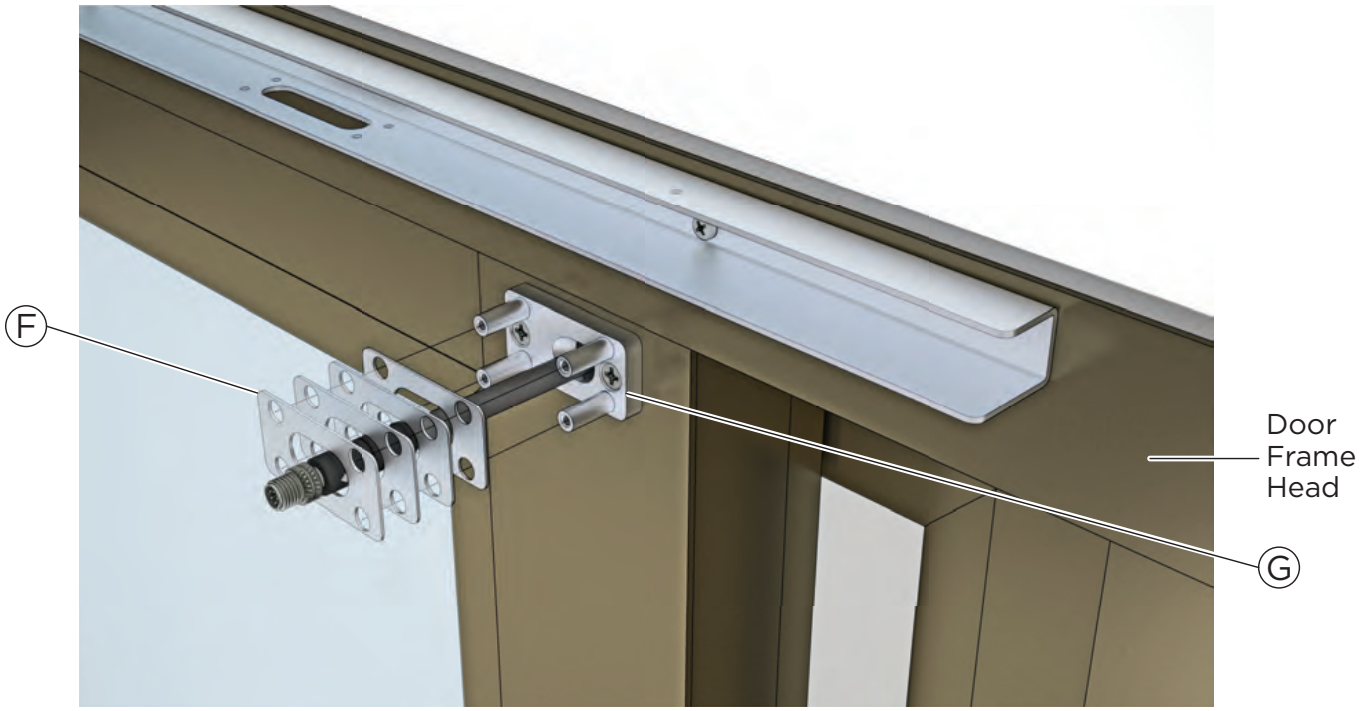
Step 5: Mount Cable Carrier Door-End Adapter to Door Bracket Base

Determine the number of DOOR BRACKET SPACERS (F) required to align the base of the CABLE CARRIER (E) Door Bracket with the interior surface of the door frame head:

- Open the door partially and measure the horizontal off set distance between the fl at surface of the DOOR BRACKET BASE (G) and the room-facing surface of the door frame head.
- Use the following table to determine the number of DOOR BRACKET SPACERS (F) required to fit the shim thickness.
- Each SPACER (F) is 1/32" [0.8mm] thick.

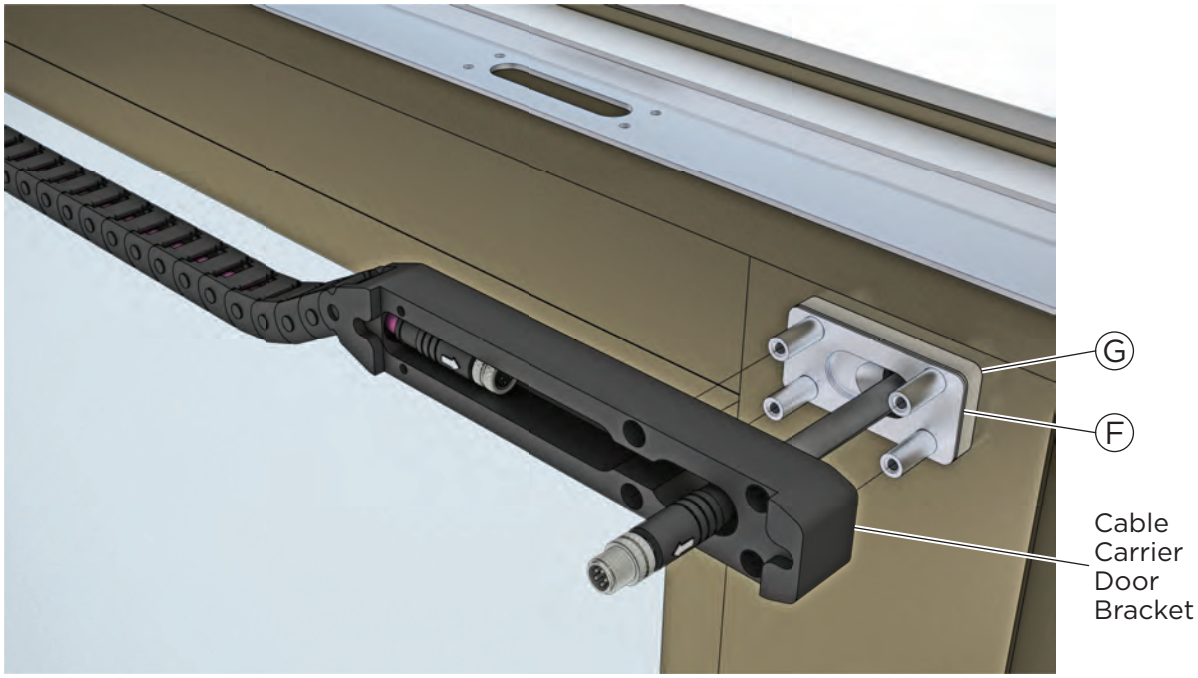
Shim Thickness	Number of Spacers	Shim Thickness	Number of Spacers	Shim Thickness	Number of Spacers	Shim Thickness	Number of Spacers
1/32"	1	5/32"	5	9/32"	9	13/32"	13
1/16"	2	3/16"	6	5/16"	10	7/16"	14
3/32"	3	7/32"	7	11/32"	11	15/32"	15
1/8"	4	1/4"	8	3/8"	12	1/2"	16

Place the required number of DOOR BRACKET SPACERS (F) on the DOOR BRACKET BASE (G):

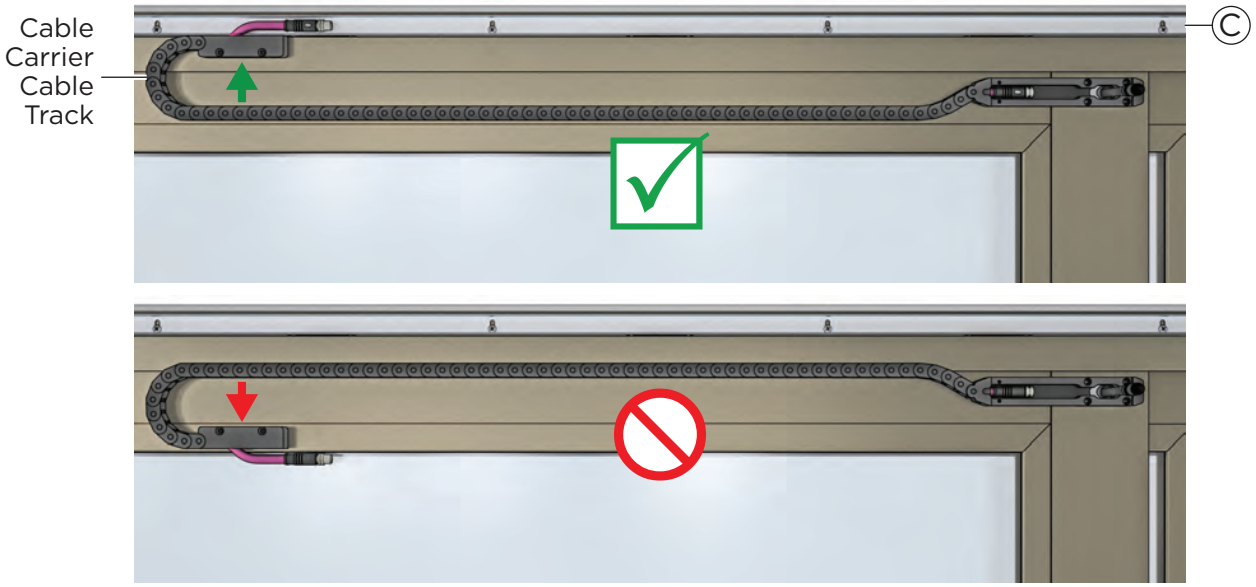


Step 5: Mount Cable Carrier Door-End Adapter to Door Bracket Base (continued)

Place the CABLE CARRIER (E) Door Bracket over the DOOR BRACKET BASE (G) and SPACERS (F).



Verify that the CABLE CARRIER (E) Cable Track bends up towards the CARRIER BASE (C).



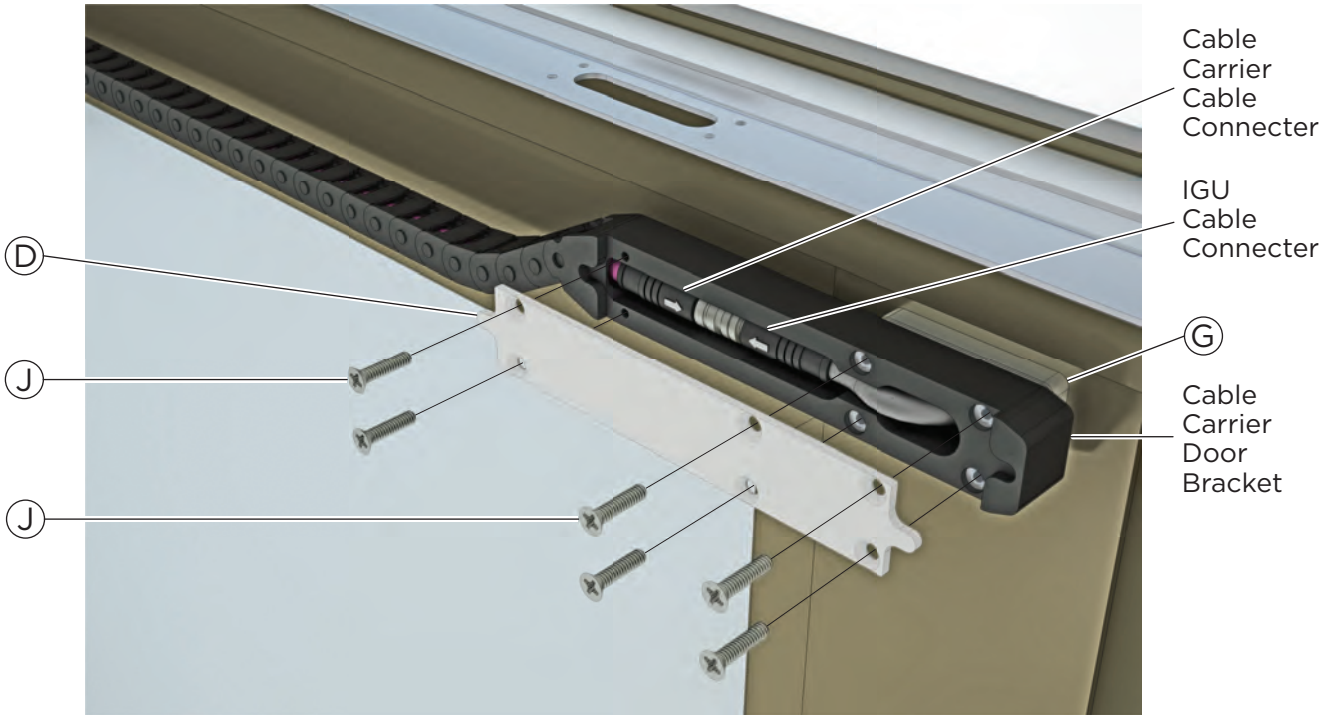
Step 5: Mount Cable Carrier Door-End Adapter to Door Bracket Base (continued)

If the CABLE CARRIER (E) Cable Track bends down, as shown on page 11, the CABLE CARRIER (E) Door Bracket must be rotated 180° using the following procedure:

1. Separate the Cable Track by squeezing at the indicated points and pulling it gently out of the Door Bracket.
2. Rotate Door Bracket 180°.
3. Reattach Cable Track by squeezing at the indicated points and pressing it back into the Door Bracket.

Position the CABLE CARRIER (E) Door Bracket on the DOOR BRACKET BASE (G), and connect the IGU Cable Connector to the CABLE CARRIER (E) Cable Connector.

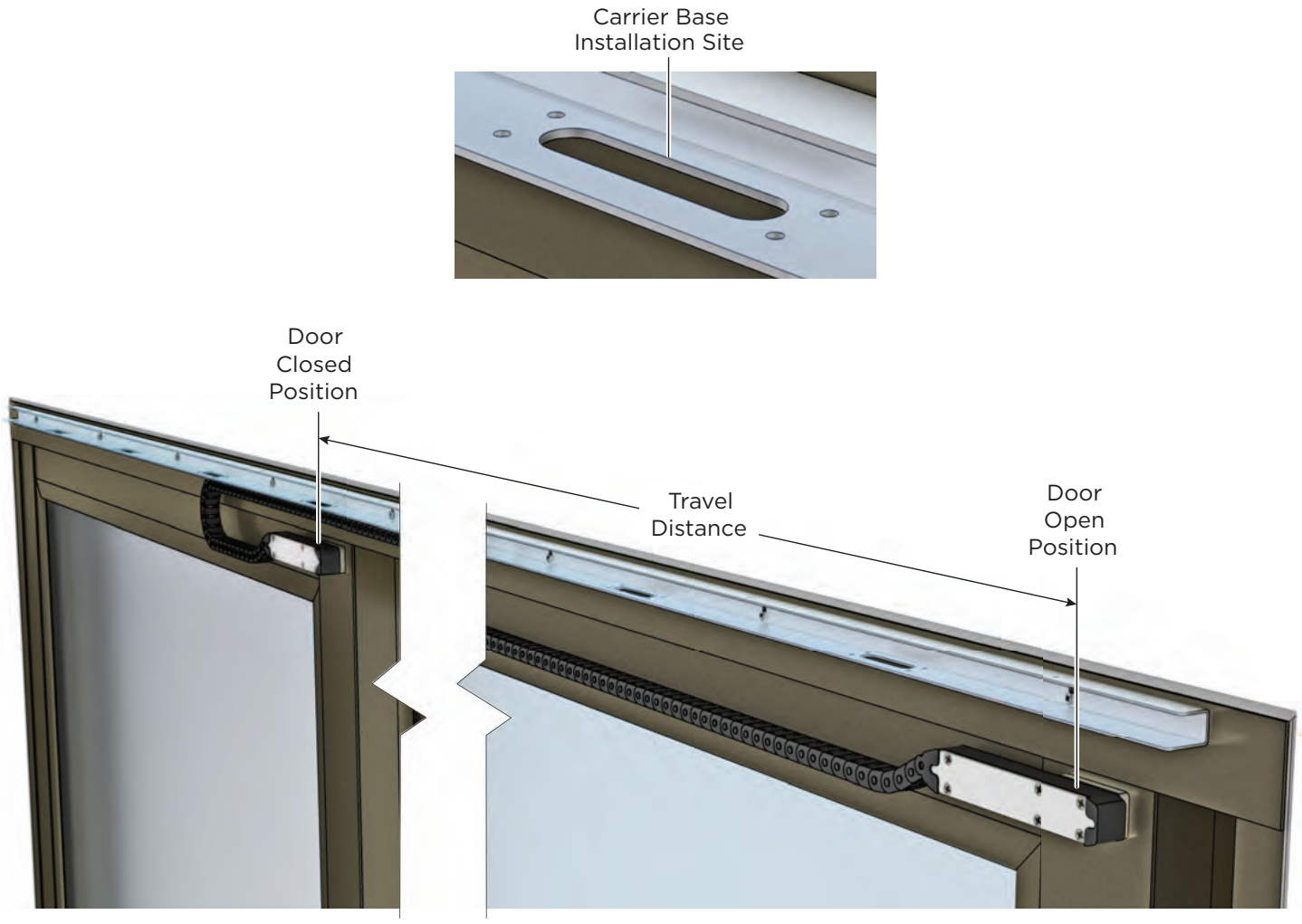
Place the DOOR BRACKET COVER (D) over the CABLE CARRIER (E) Door Bracket and attach using 2 SCREWS (J). Secure the entire Door Bracket assembly to the DOOR BRACKET BASE (G) using 4 SCREWS (J).



Step 6: Select Carrier Base Installation Site

Determine the best CARRIER BASE (C) installation site to mount the CABLE CARRIER (E) Base Bracket by locating the approximate midpoint of the travel distance between the closed and open positions of the sliding door, as measured from the horizontal center of the DOOR BRACKET BASE (G) in both positions.

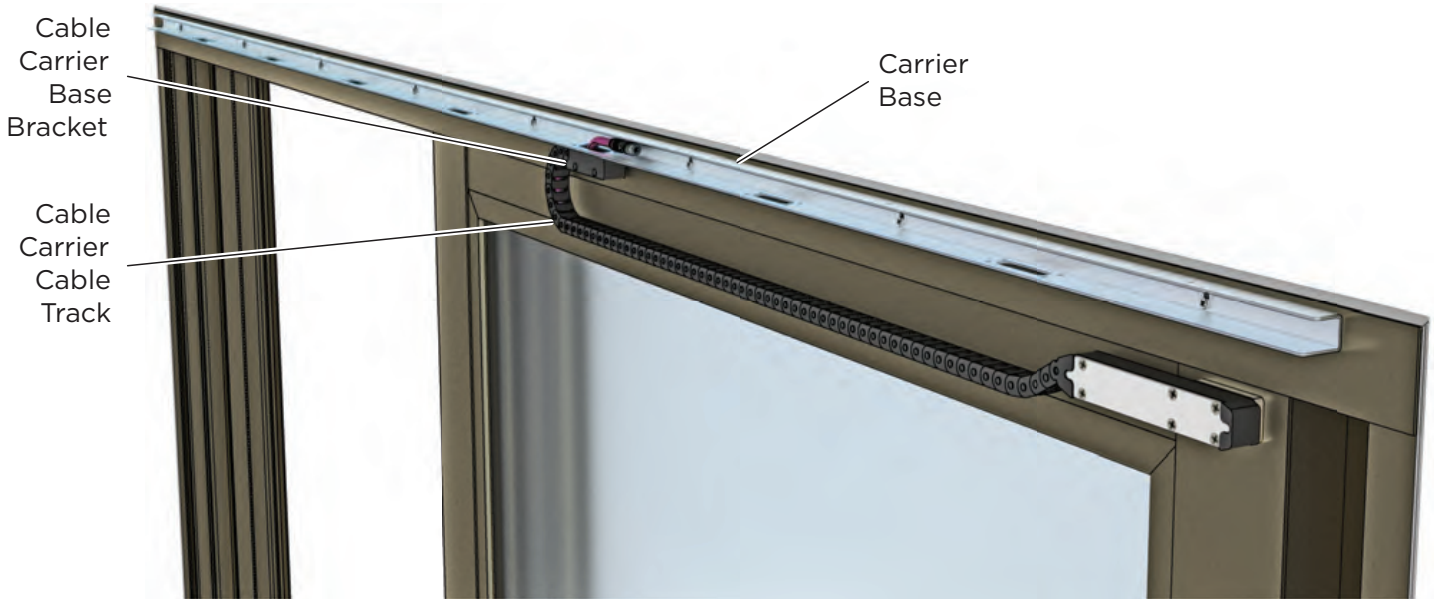
- Close the sliding door, and place a temporary mark with chalk or tape on the door frame head aligned with the horizontal center of the DOOR BRACKET BASE (G).
- Open the sliding door, and place a second temporary mark on the door frame head aligned with the horizontal center of the DOOR BRACKET BASE (G).
- Measure the door travel distance between the two marks and select the CARRIER BASE (C) installation site that is at or near the midpoint of the travel distance.



Step 7: Mount Cable Carrier Base Bracket to Carrier Base

Mount the CABLE CARRIER (E) Base Bracket to the selected CARRIER BASE (C) installation site:

- Pass the CABLE CARRIER (E) Cable and Connector through the slotted hole of the installation site.
- Temporarily attach the CABLE CARRIER (E) Base Bracket to the CARRIER BASE (C) using 2 SCREWS (L).
- Test to ensure that the CABLE CARRIER (E) Cable Track extends and contracts suffi ciently when the door is opened and closed.



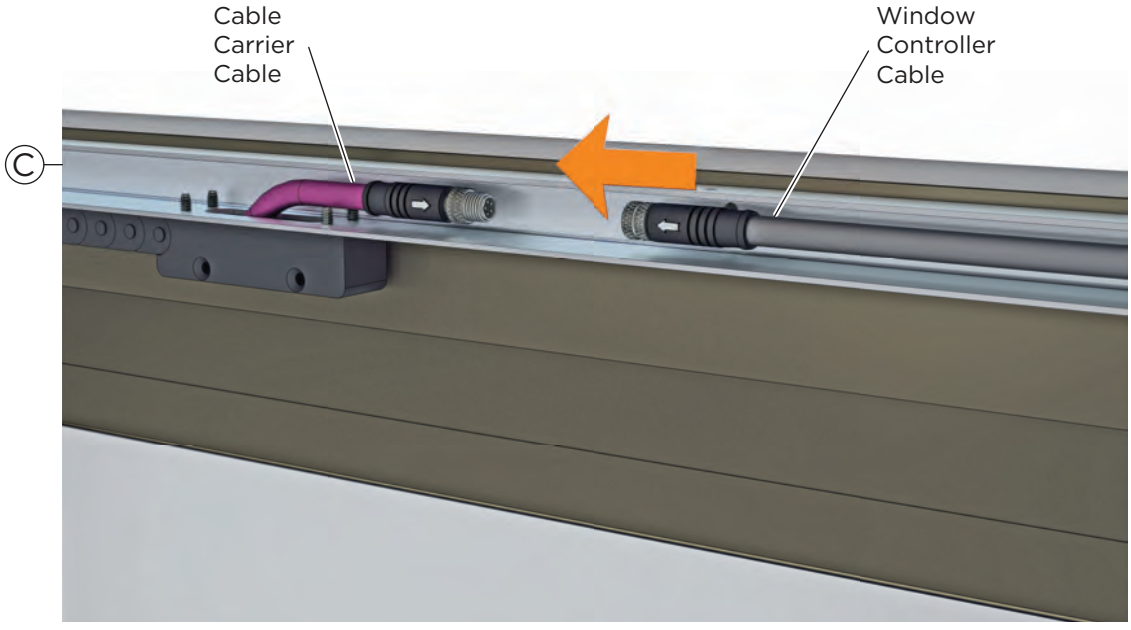
CABLE CARRIER (E) Cable Track in extended position with door open.

CABLE CARRIER (E) Cable Track in contracted position with door closed.

Step 7: Mount Cable Carrier Base Bracket to Carrier Base (continued)

After verification of the CARRIER BASE (C) installation site, mount the CABLE CARRIER (E) Base Bracket to the CARRIER BASE (C) using 4 SCREWS (L).

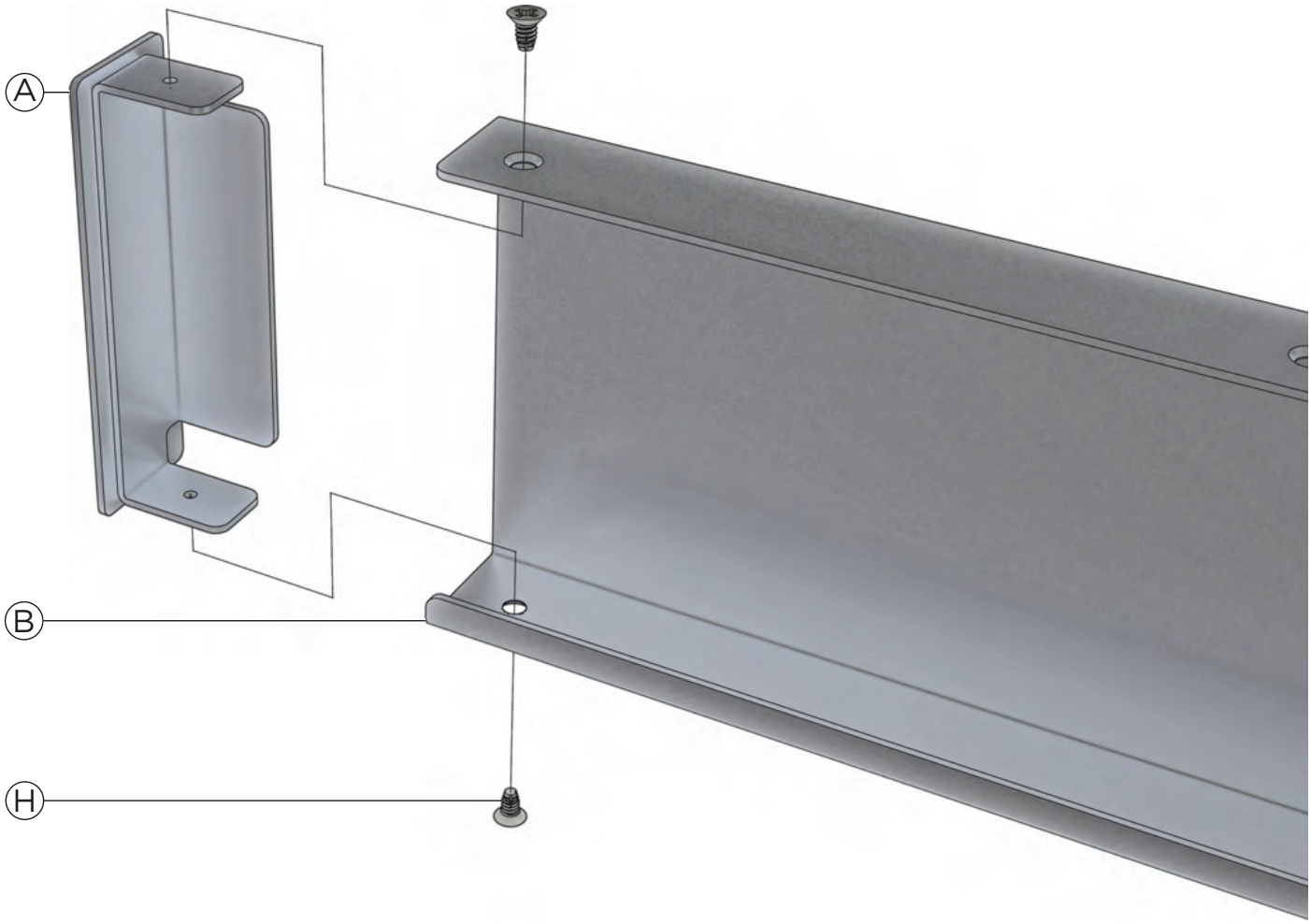
Channel the Window Controller Cable through CARRIER BASE (C), and connect to the CABLE CARRIER (E) Cable .



Step 8: Install Carrier Cover

Mount the CARRIER COVER END CAPS (A) to the CARRIER COVER (B) using 2 (each) SCREWS (H).

- If the CARRIER COVER (B) was trimmed to fit door frame dimensions, drill and countersink new holes on the CARRIER COVER (B) to install the CARRIER COVER END CAPS (A).



Step 8: Install Carrier Cover (continued)

Position the CARRIER COVER (B) over the CARRIER BASE (C), with screw holes of the CARRIER COVER (B) aligned with those of CARRIER BASE (C).

Secure the CARRIER COVER (B) to the CARRIER BASE (C) using SCREWS (H)