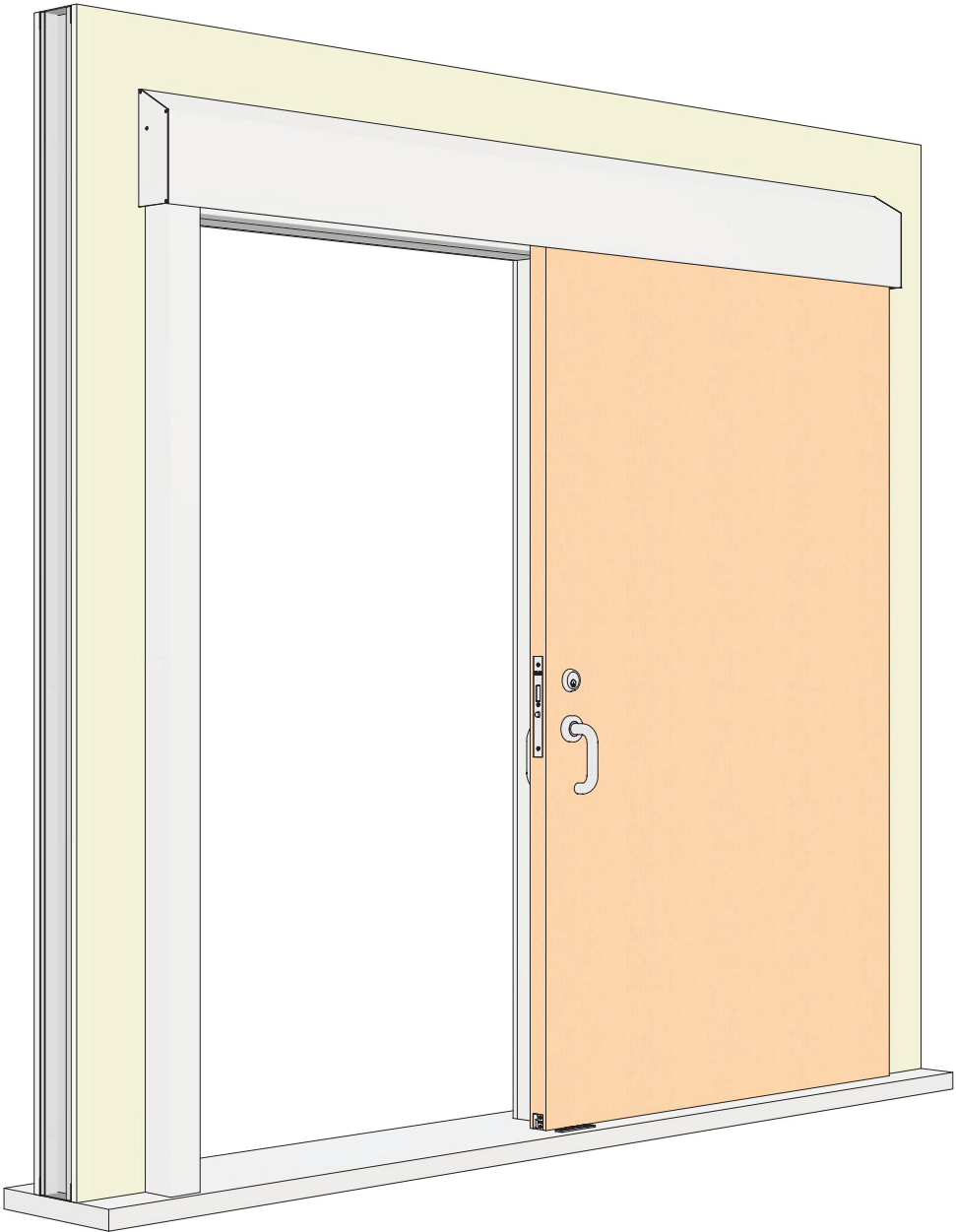


Crowder Slide-AR

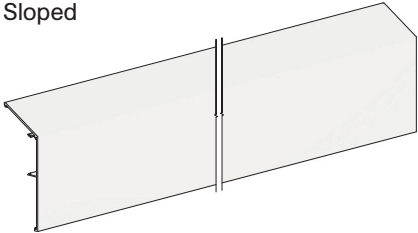
Acoustically-rated

Installation Instructions

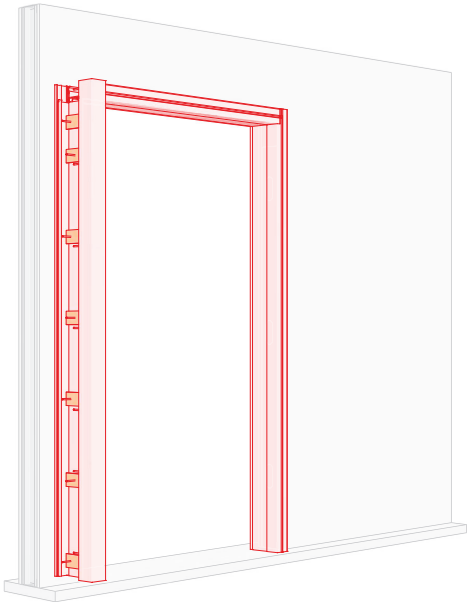
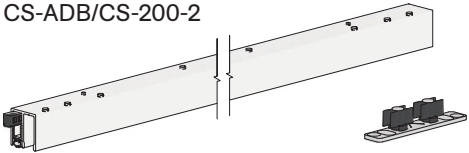
KNC
Catch 'N' Close



Fascia Style
Sloped

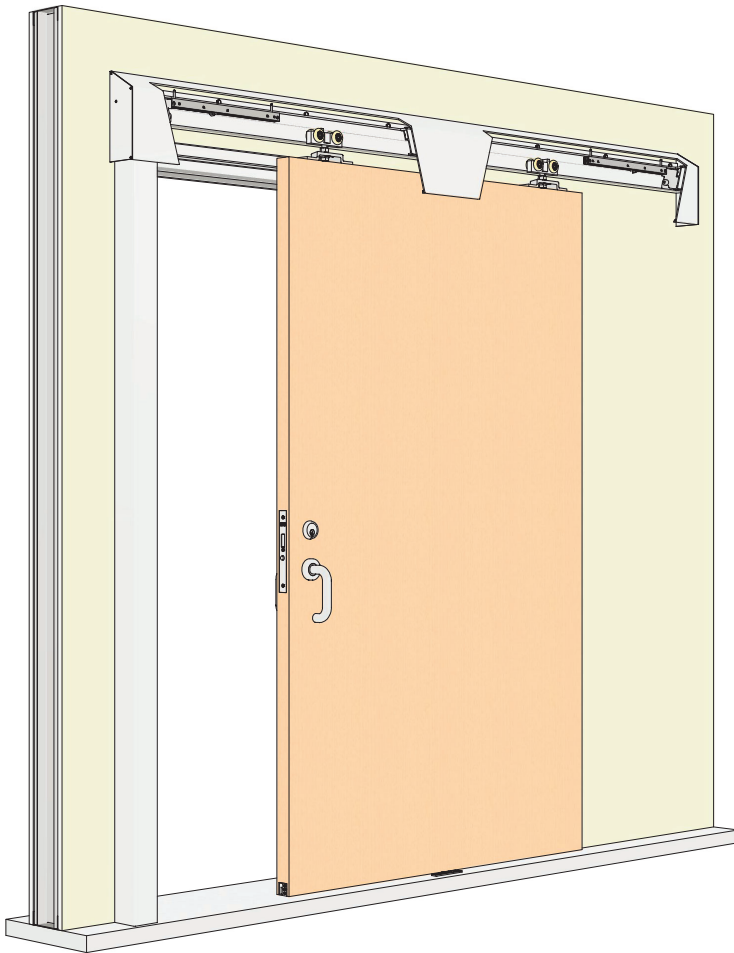


Guide System
CS-ADB/CS-200-2



Part 1 of 2

Crowder Slide-AR



Complete Crowder Slide illustrated

Features

- Designed to finish off a door opening with anodized or powder-coated aluminum snap-on covers and trim, to create a seamless and uniform look
- Provides quicker and easier installation than a traditional barn door kit built on-site by saving on installation and finishing labour
- 300 lbs. [136 kg] weight capacity
- Available for the following Overall Wall Thicknesses:
 - 4 7/8 in [124 mm] consisting of 3 5/8 in [92 mm] stud with 5/8 in [15.8 mm] drywall per side (CS-4875)
 - 7 1/4 in [184 mm] consisting of 6 in [152.4 mm] stud with 5/8 in [15.8 mm] drywall per side (CS-7250)
 - Custom wall thickness
- Effortless opening and closing of the door with the Catch 'N' Close Closing System
- Angled fascia design to reduce collection of dust and facilitate cleaning
- Nylon wheels and precision ball bearings provide smooth and quiet door operation
- Double guide system with automatic door bottom drop seal for stability, light and sound control
- Adjustable in-track stops
- Angled flat bar reduces continuous friction with gasket
- NIC acoustically-rated
- Handed openings
- Cycle tested for up to 150,000 cycles without fail
- ADA Compliant (Barrier-free) design
- Available in clear or black anodized, mill finish or powder coated
- For 1 3/4 in [44.5 mm] doors

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- 6 Section View
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8 Elevation Views
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Installation - Part 1

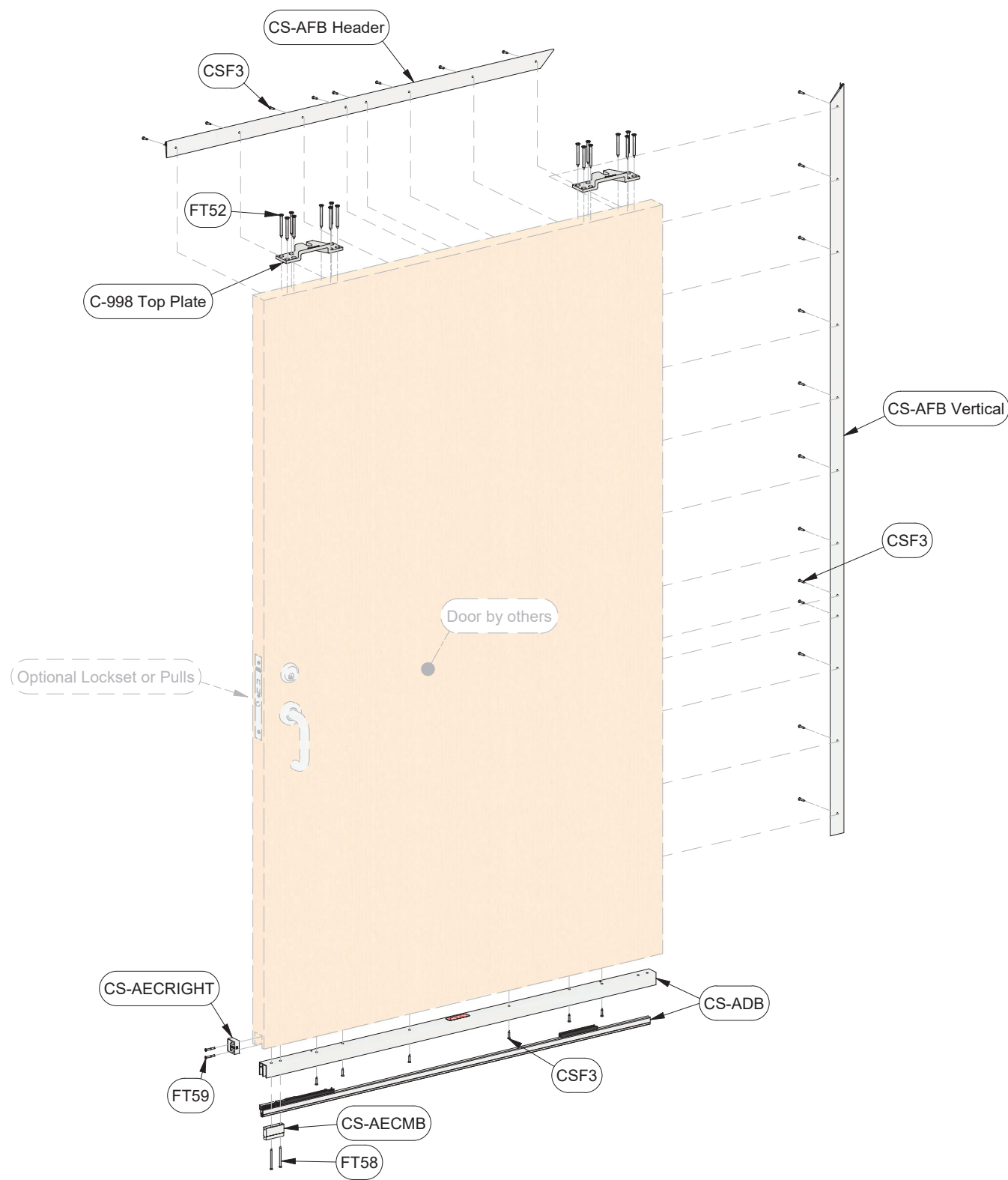
- 18 Before You Begin
19 Installation Steps

Installation - Part 2

- 41 Continued Installation Steps

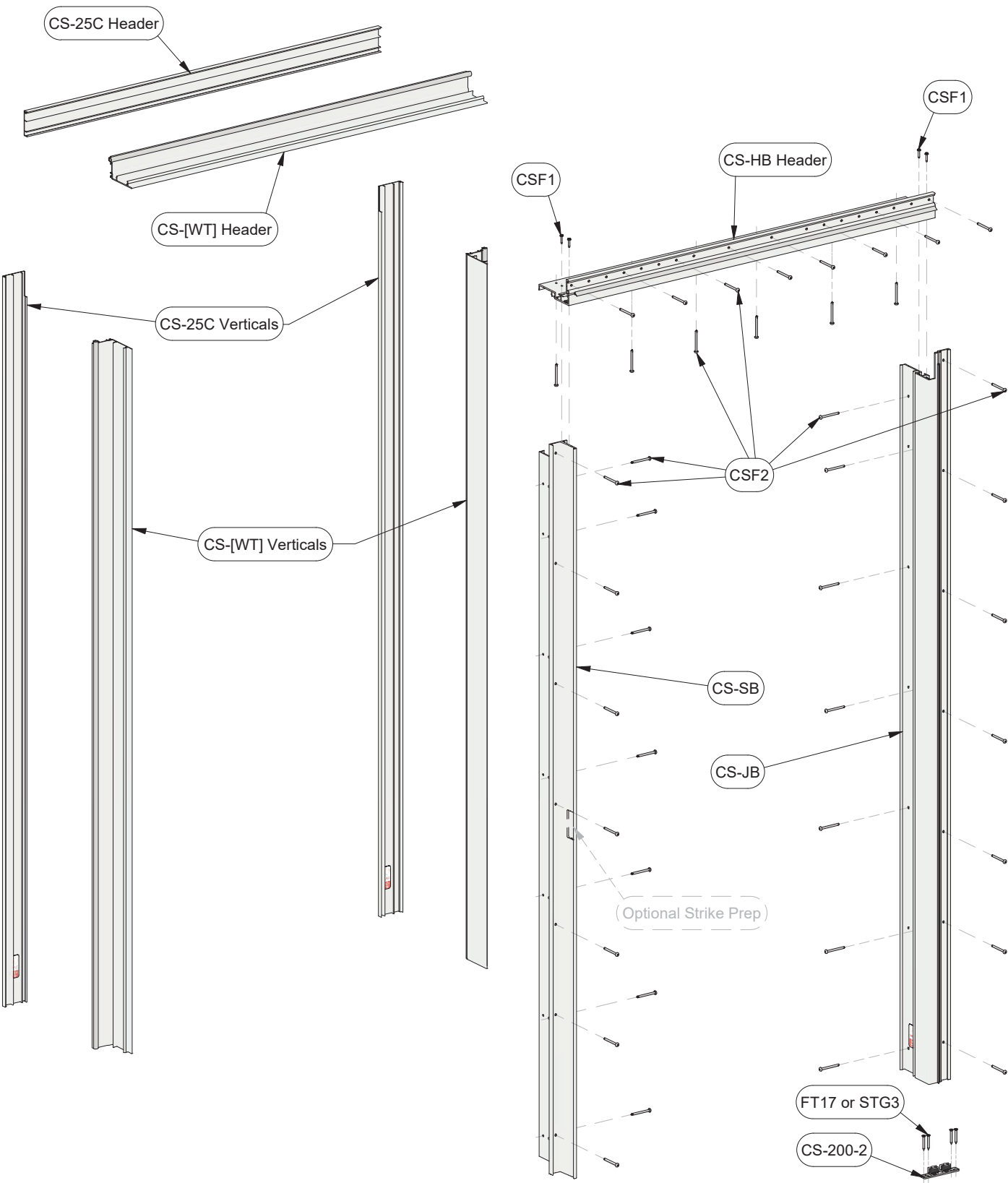
How It All Comes Together

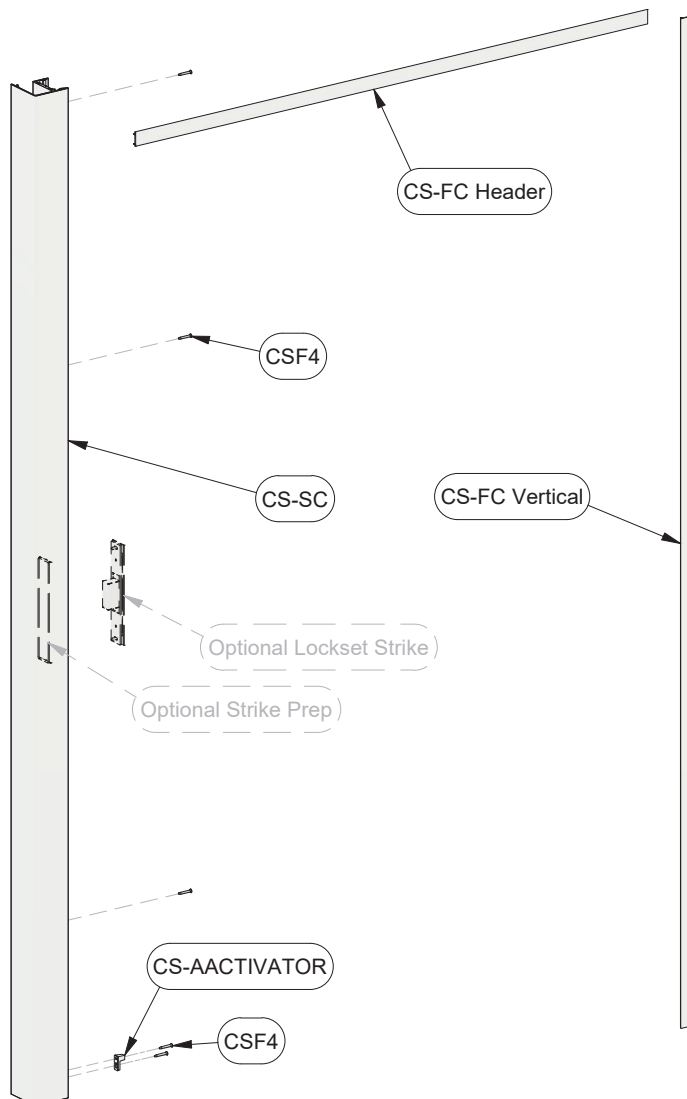
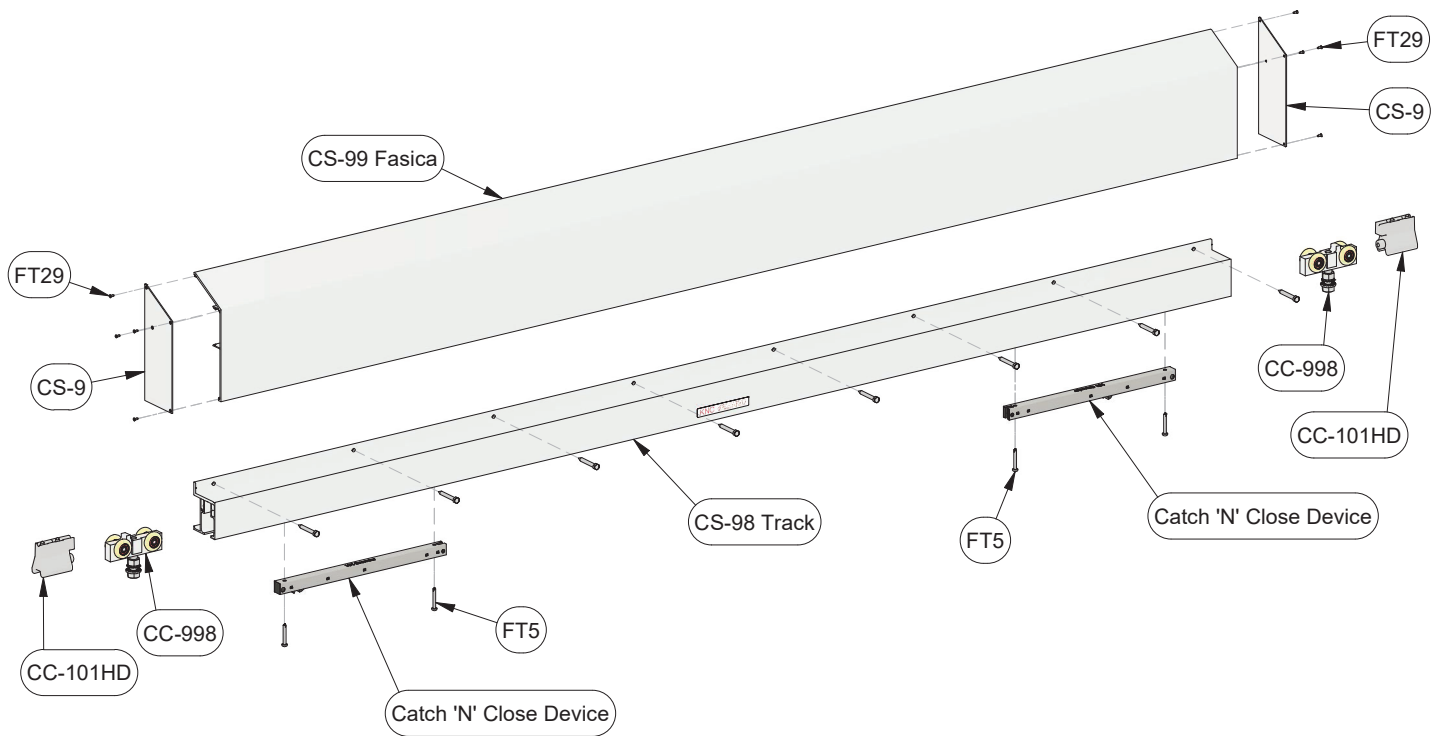
Note: Details are shown as **Right-hand Outside [RHO]** opening format



How It All Comes Together

Note: Details are shown as **Right-hand Outside [RHO]** opening format

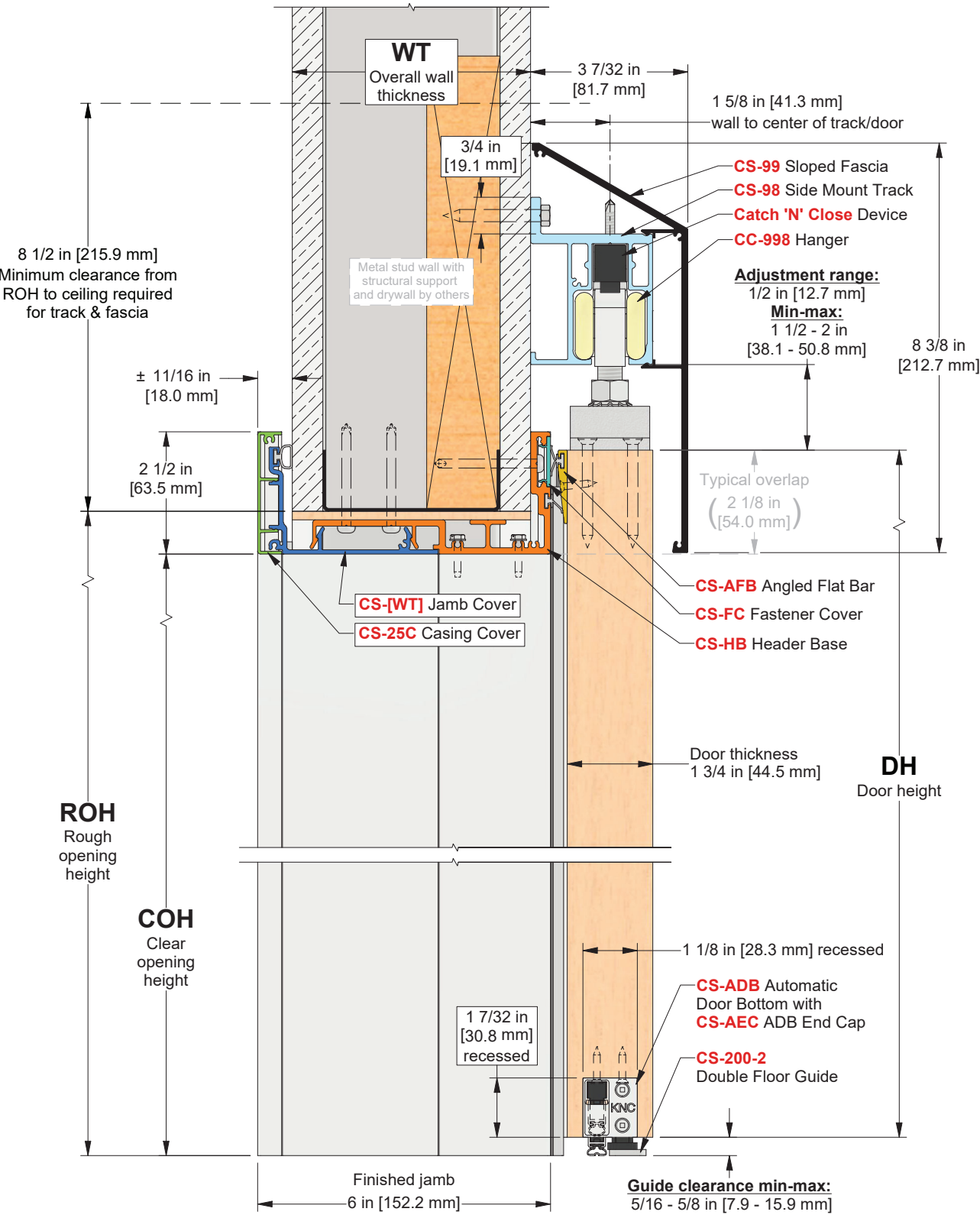




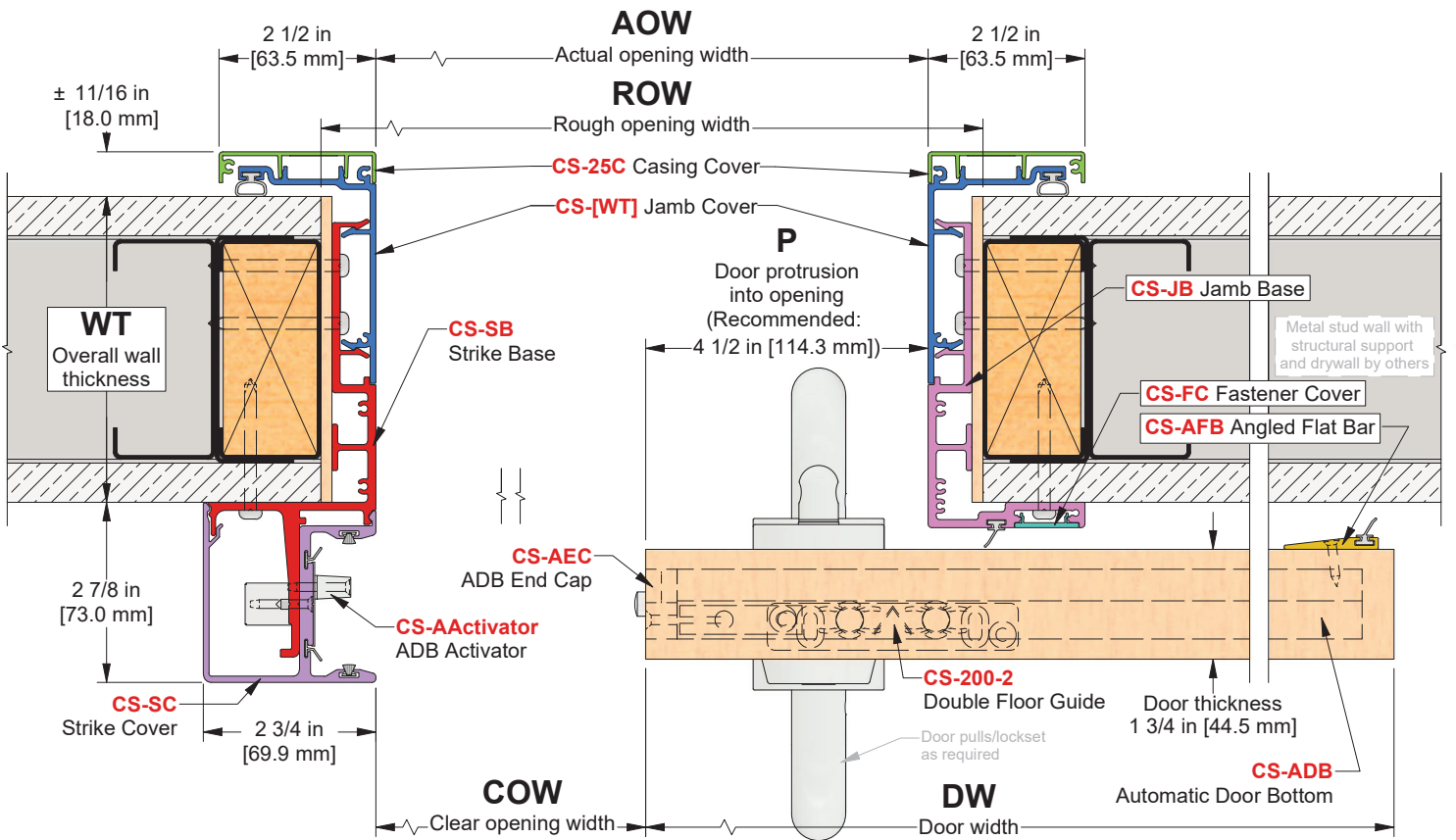
Product Details and Dimensions

Note: Details are shown as **Right-hand Outside [RHO]** opening format

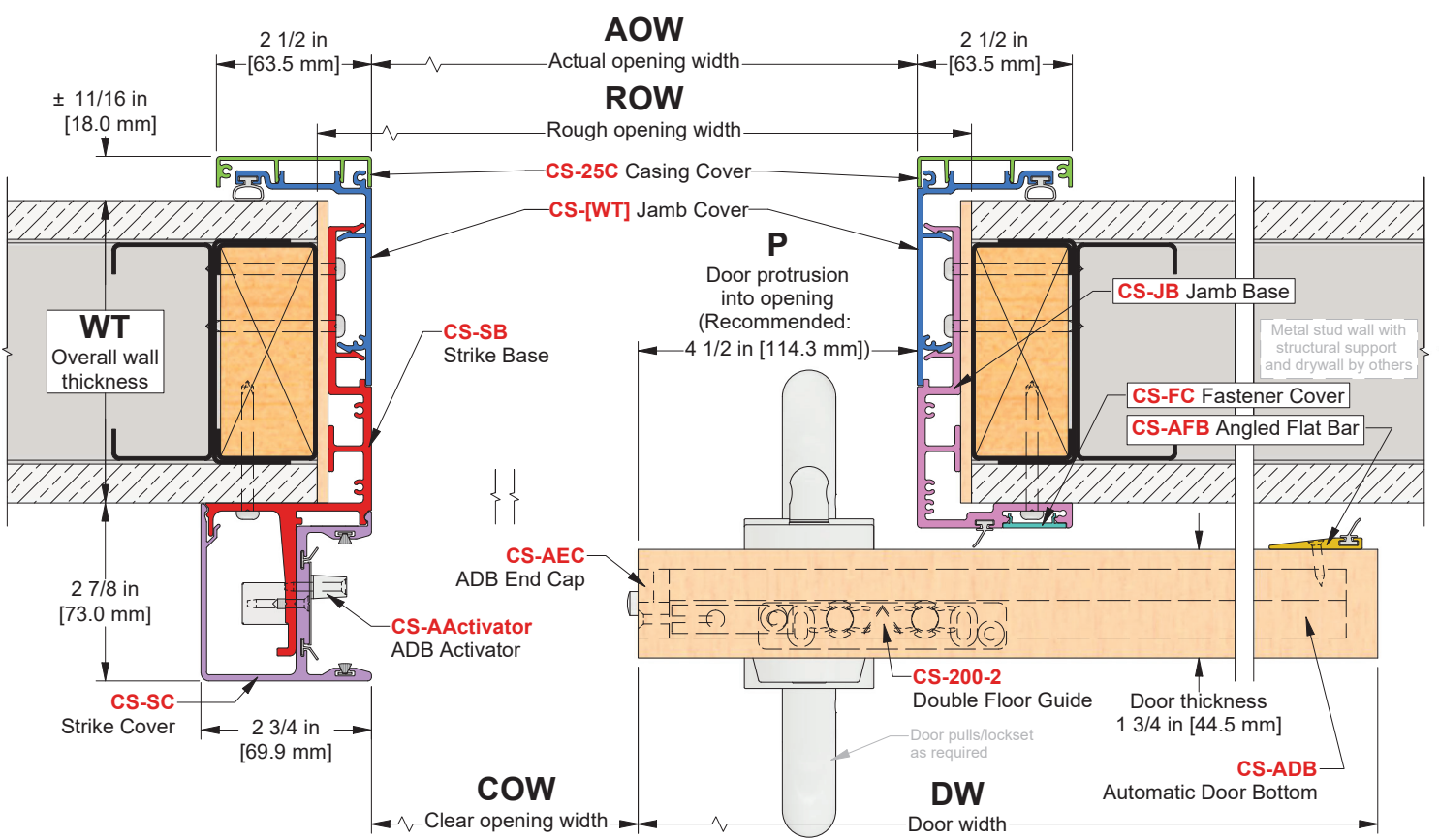
SECTION VIEW



PLAN VIEW - OPEN POSITION



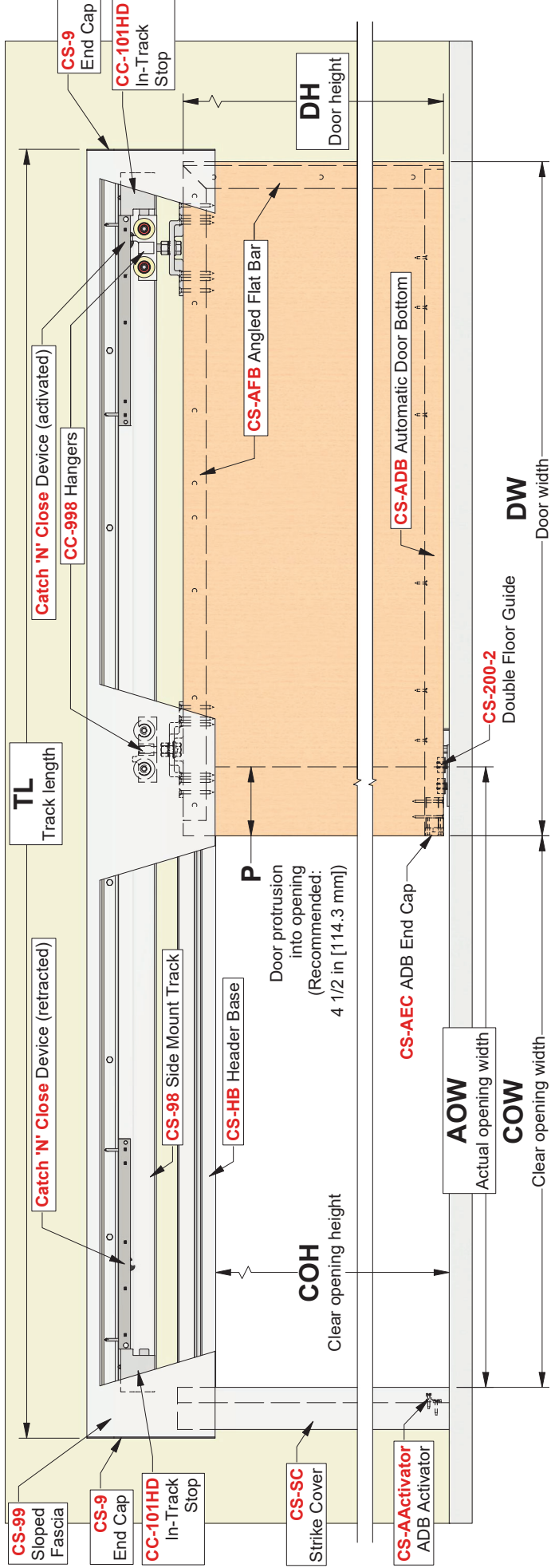
PLAN VIEW - CLOSED POSITION



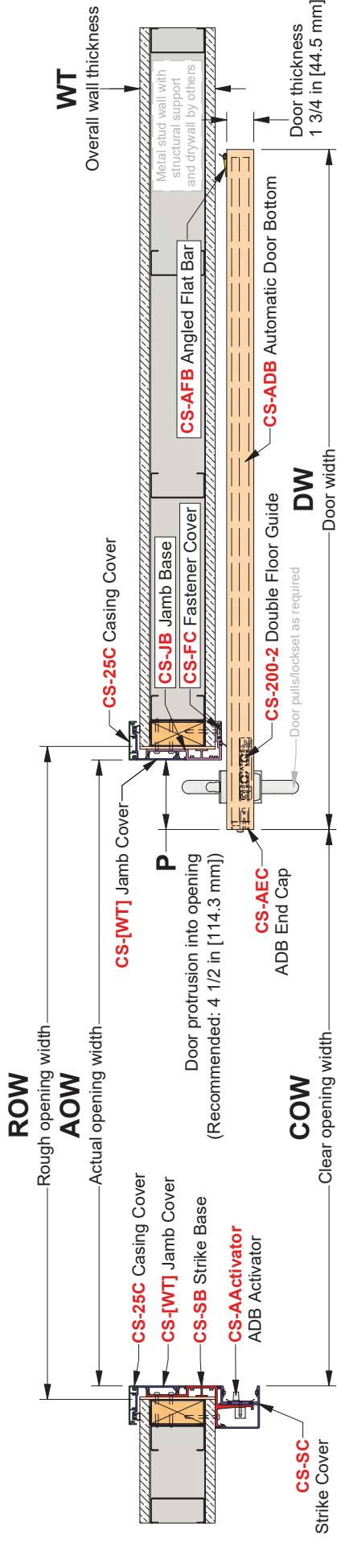
Product Details and Dimensions

Note: Details are shown as Right-hand Outside [RHO] opening format

ELEVATION VIEW - OPEN POSITION



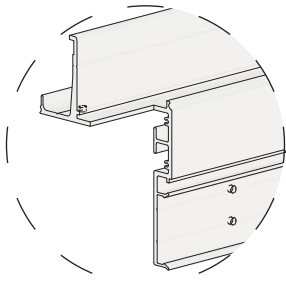
PLAN VIEW - OPEN POSITION



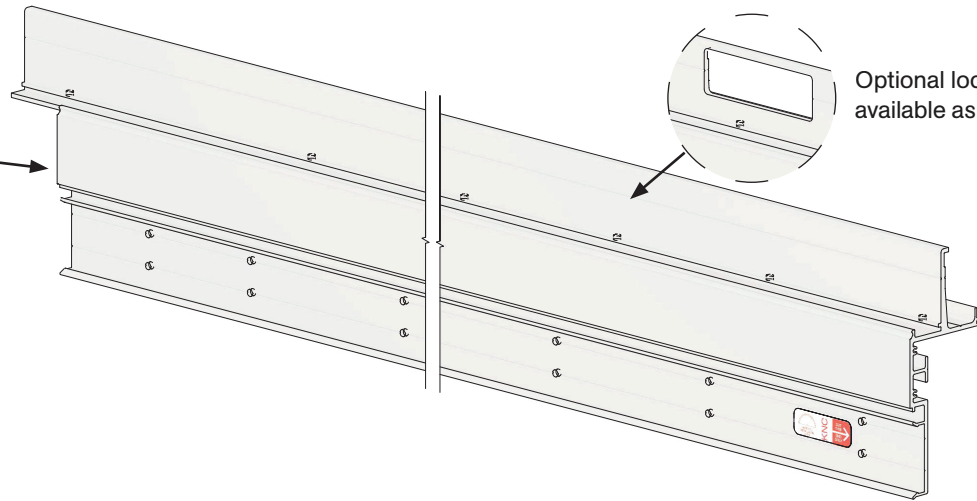
Parts List

Note: All products with 'x length' indicate item lengths will be based on Approved Opening Layout Drawing signed off by customer.

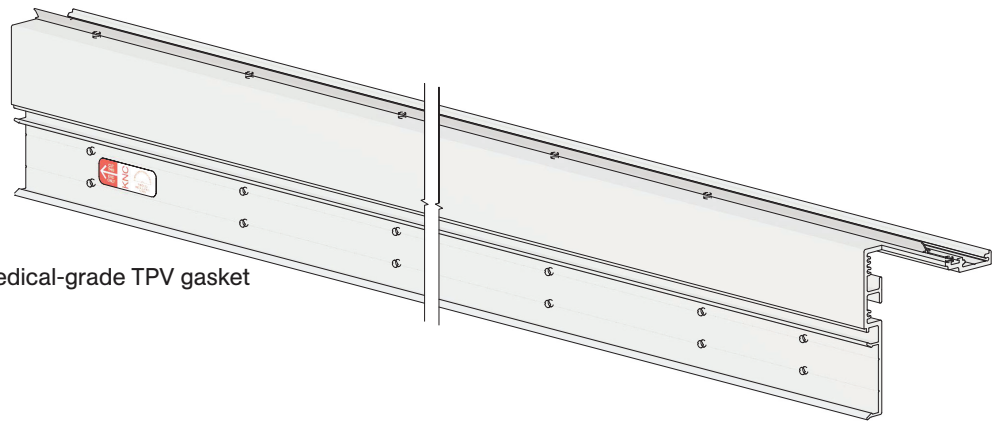
For **Left-Hand Outside [LHO]** / **Right-Hand Inside [RHI]** applications



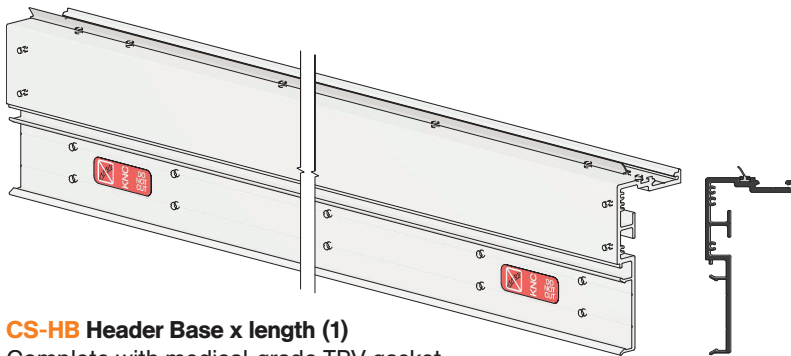
CS-SB Strike Base x length (1)
Complete with notched end



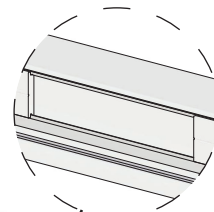
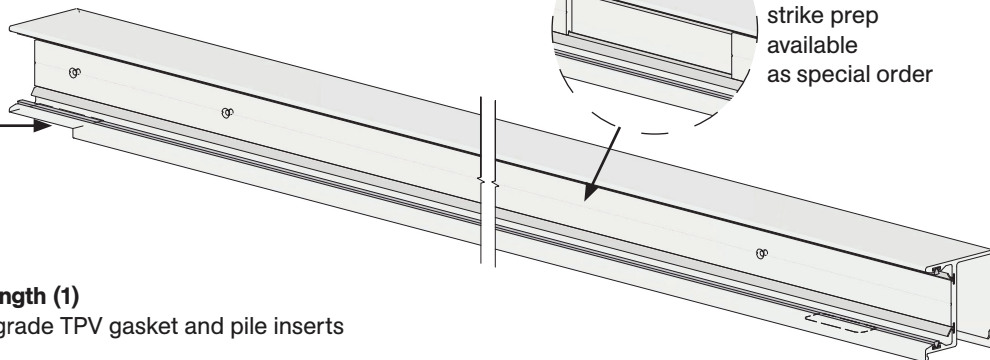
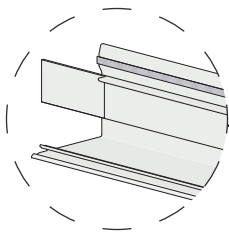
CS-JB Jamb Base x length (1)
Complete with notched end and medical-grade TPV gasket



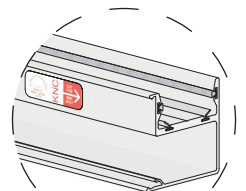
CS-HB Header Base x length (1)
Complete with medical-grade TPV gasket



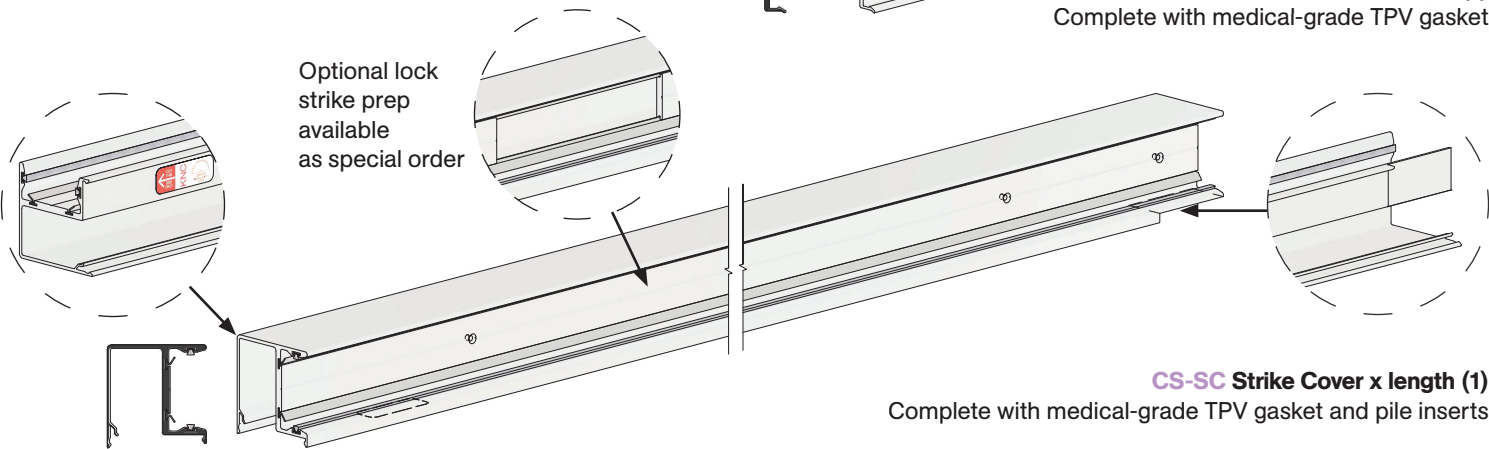
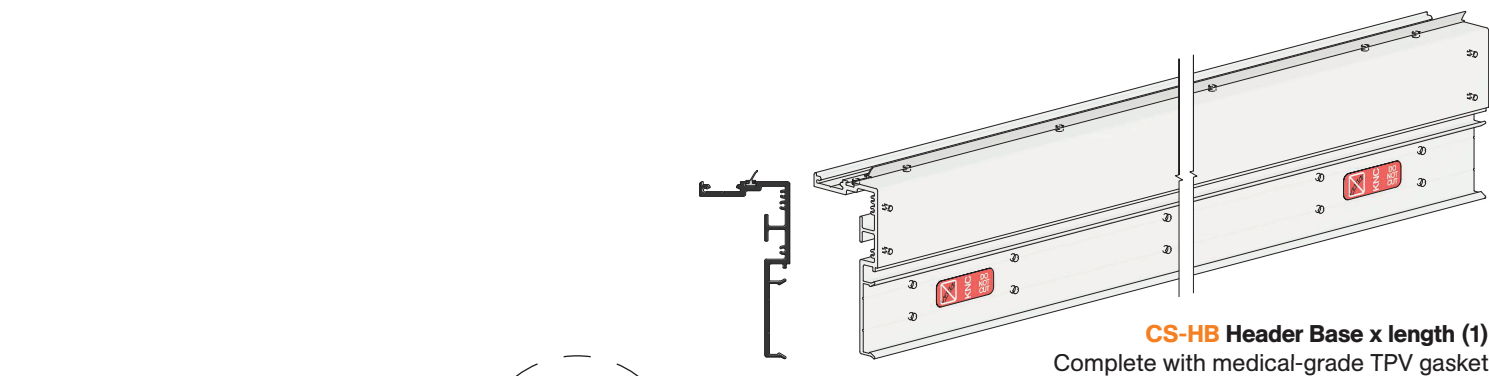
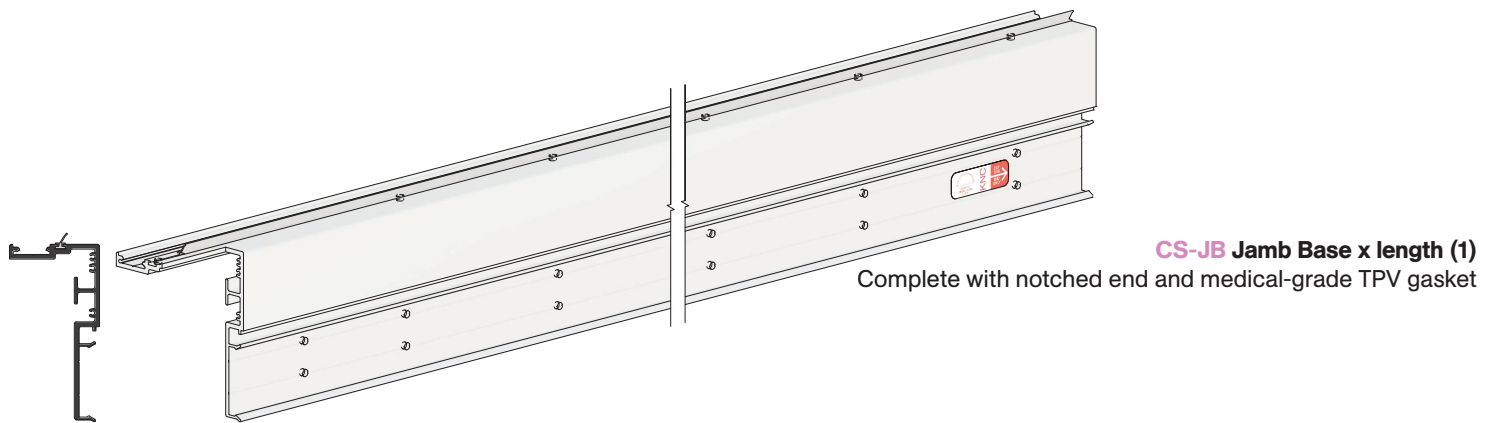
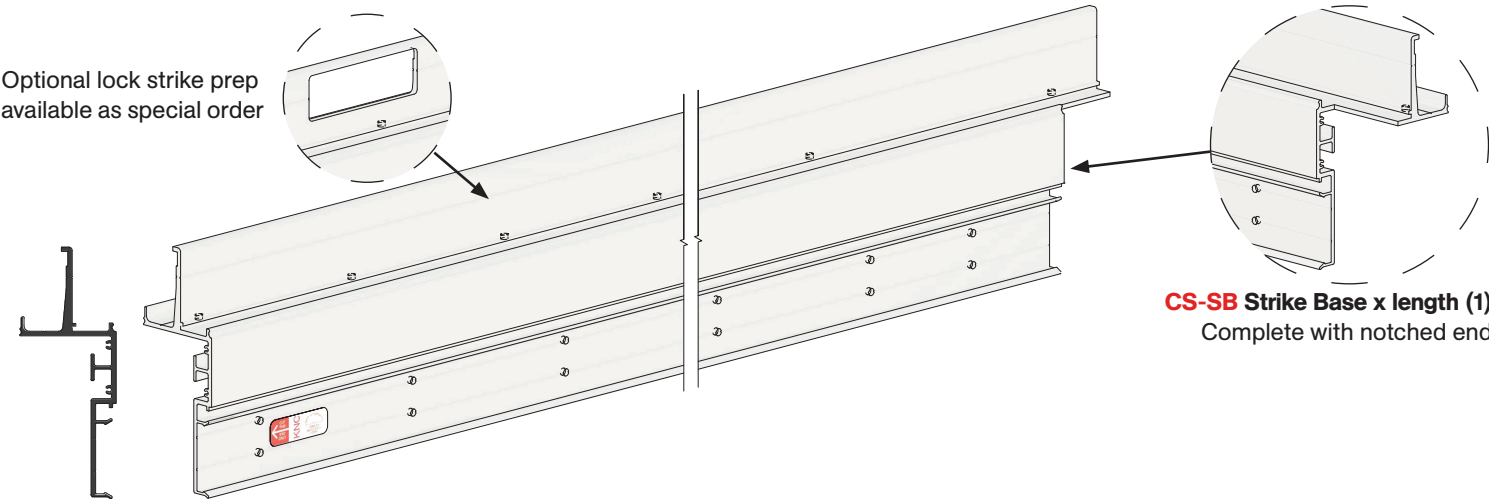
CS-SC Strike Cover x length (1)
Complete with medical-grade TPV gasket and pile inserts



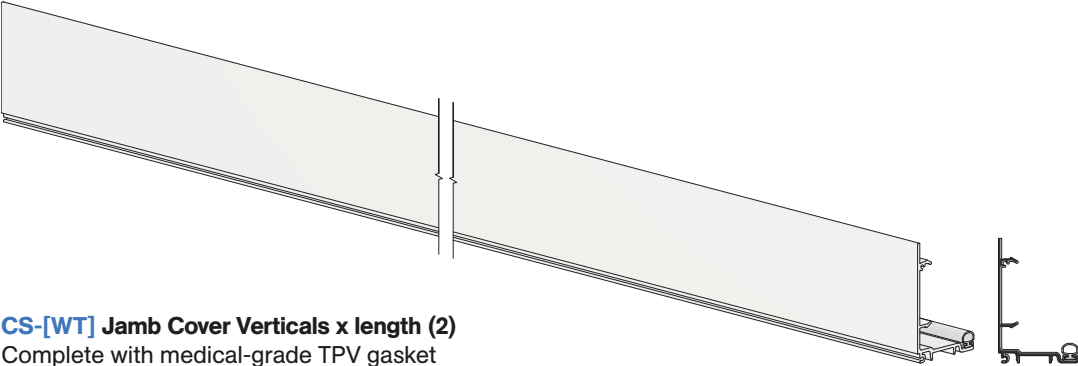
Optional lock strike prep available as special order



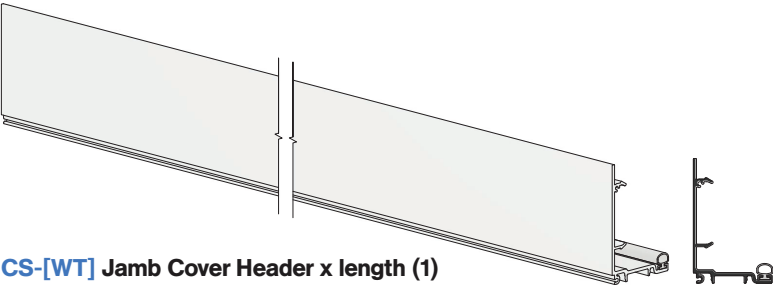
For **Right-Hand Outside [RHO]** / **Left-Hand Inside [LHI]** applications



For **Left-Hand Outside [LHO]** / **Right-Hand Inside [RHI]** applications



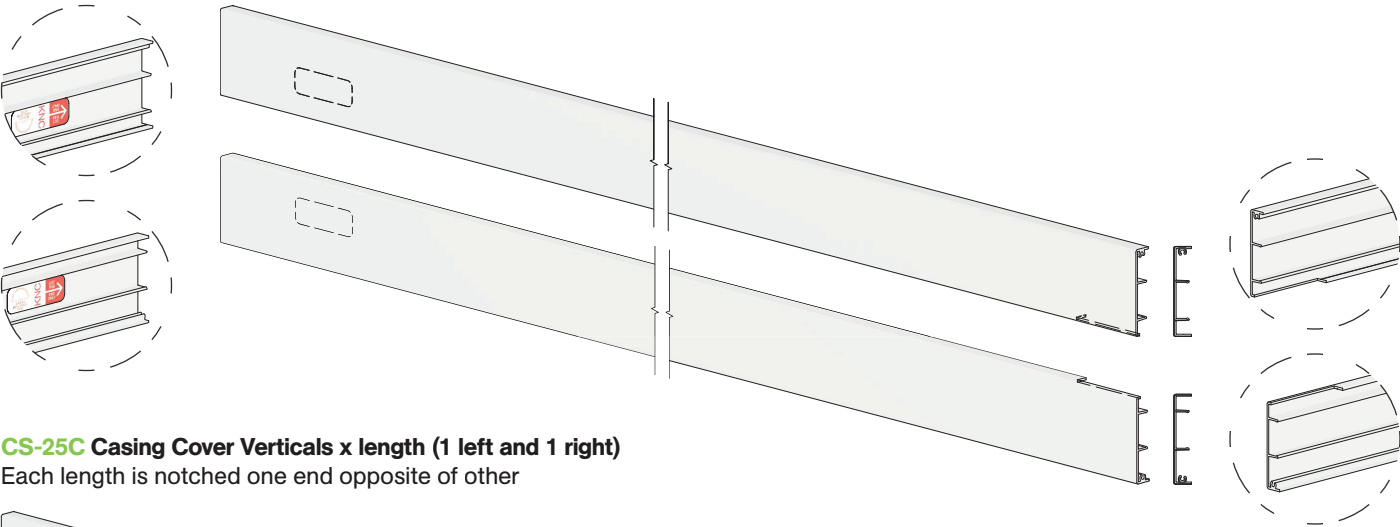
CS-[WT] Jamb Cover Verticals x length (2)
Complete with medical-grade TPV gasket



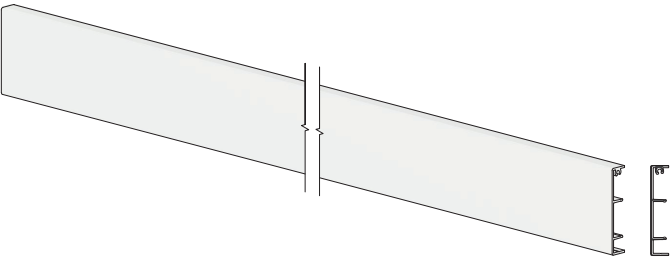
CS-[WT] Jamb Cover Header x length (1)
Complete with medical-grade TPV gasket

CS-[WT] is supplied based on wall thickness:

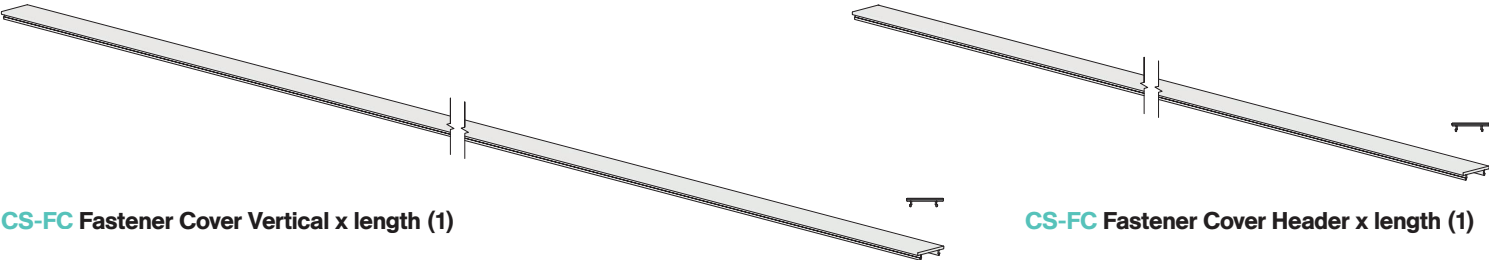
Part number	Overall wall thickness
CS-4875	4 7/8 inch [124 mm]
CS-7250	7 1/4 inch [184 mm]
CS-CUST	Custom



CS-25C Casing Cover Verticals x length (1 left and 1 right)
Each length is notched one end opposite of other



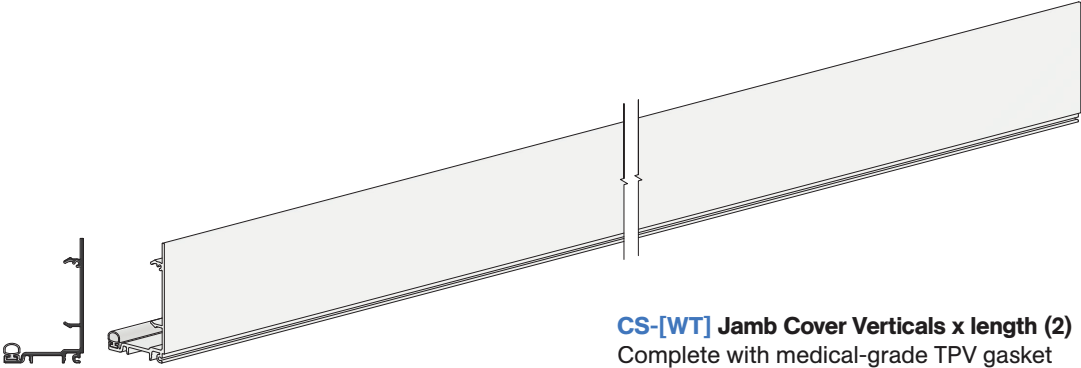
CS-25C Casing Cover Header x length (1)



CS-FC Fastener Cover Vertical x length (1)

CS-FC Fastener Cover Header x length (1)

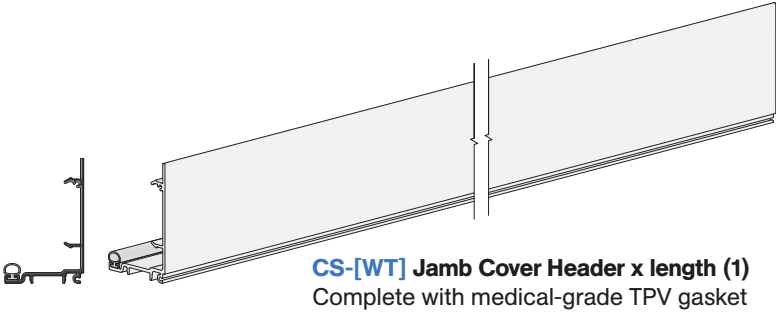
For **Right-Hand Outside [RHO]** / **Left-Hand Inside [LHI]** applications



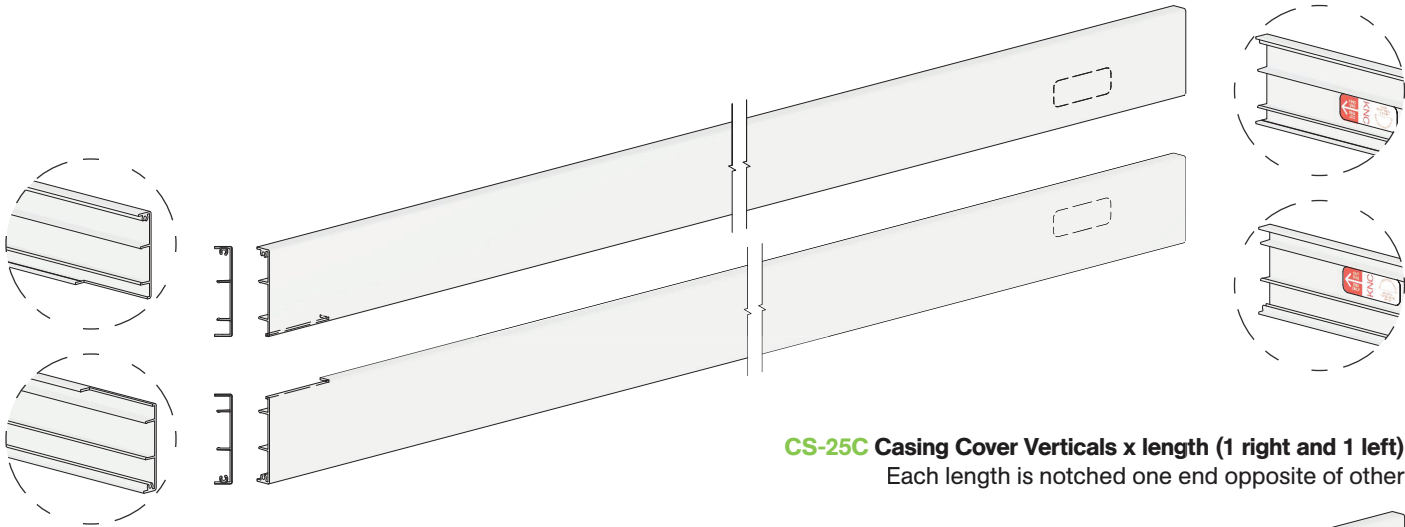
CS-[WT] Jamb Cover Verticals x length (2)
Complete with medical-grade TPV gasket

CS-[WT] is supplied based on wall thickness:

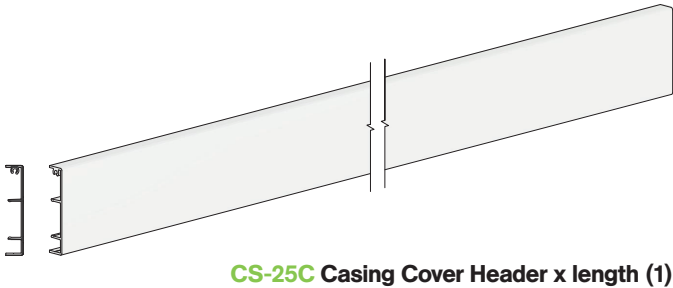
Part number	Overall wall thickness
CS-4875	4 7/8 inch [124 mm]
CS-7250	7 1/4 inch [184 mm]
CS-CUST	Custom



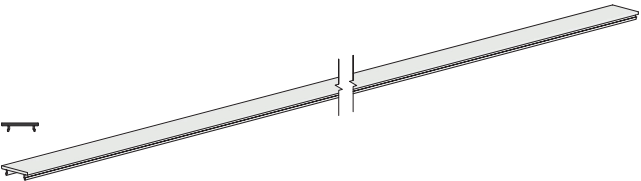
CS-[WT] Jamb Cover Header x length (1)
Complete with medical-grade TPV gasket



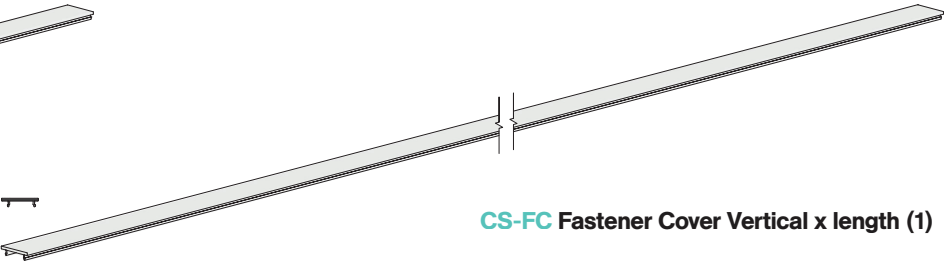
CS-25C Casing Cover Verticals x length (1 right and 1 left)
Each length is notched one end opposite of other



CS-25C Casing Cover Header x length (1)

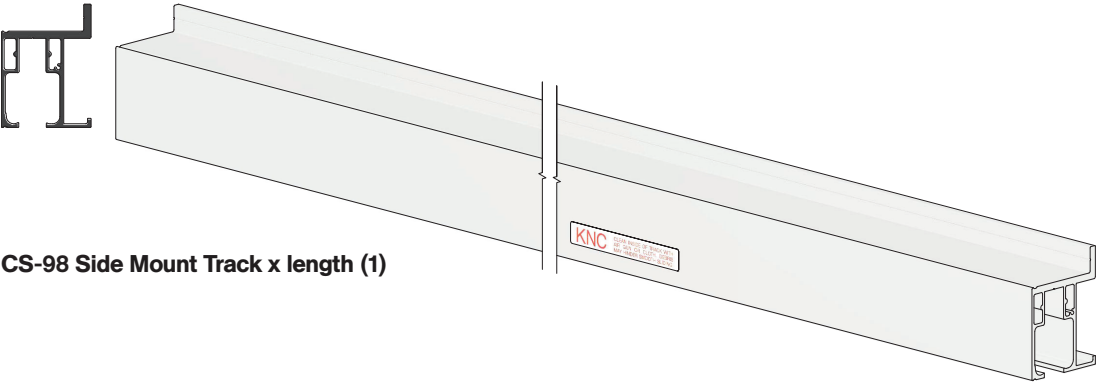


CS-FC Fastener Cover Header x length (1)

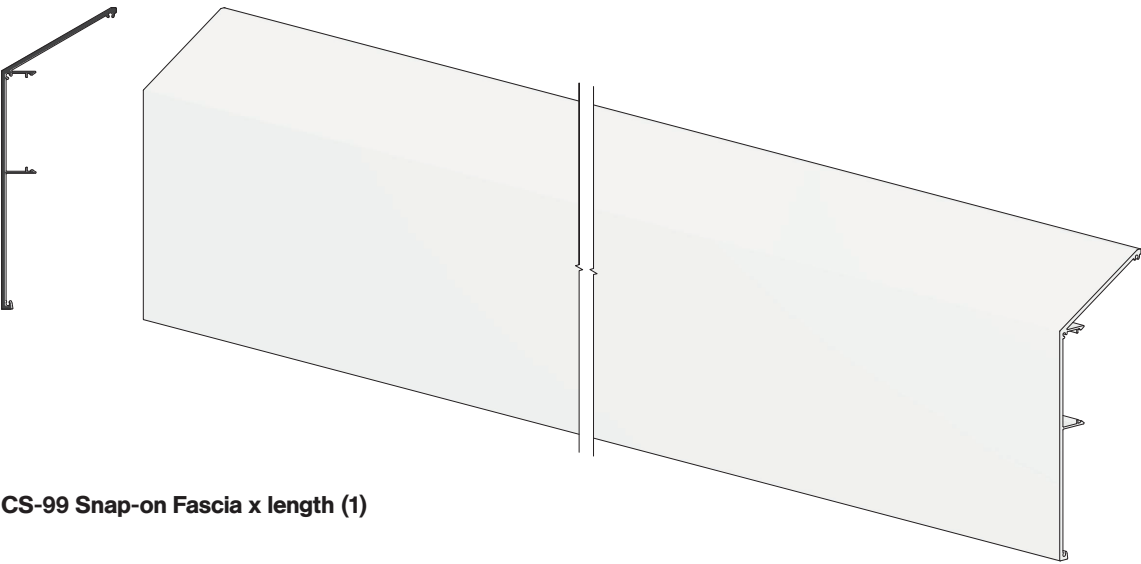


CS-FC Fastener Cover Vertical x length (1)

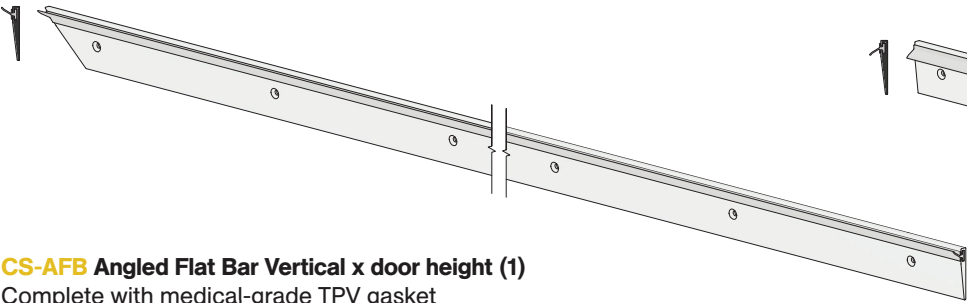
For **Left-Hand Outside [LHO]** / **Right-Hand Inside [RHI]** applications



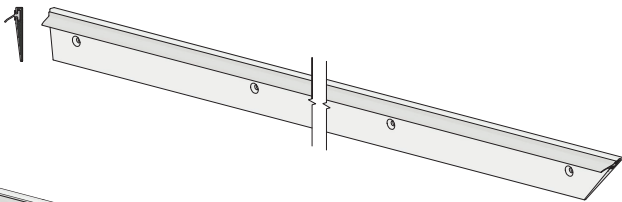
CS-98 Side Mount Track x length (1)



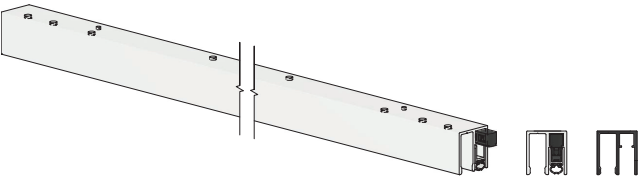
CS-99 Snap-on Fascia x length (1)



CS-AFB Angled Flat Bar Vertical x door height (1)
Complete with medical-grade TPV gasket

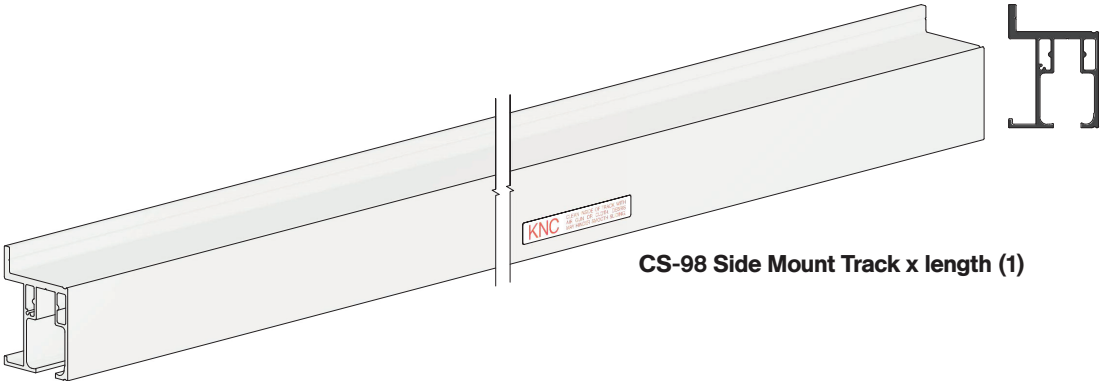


CS-AFB Angled Flat Bar Header x length (1)
Complete with medical-grade TPV gasket

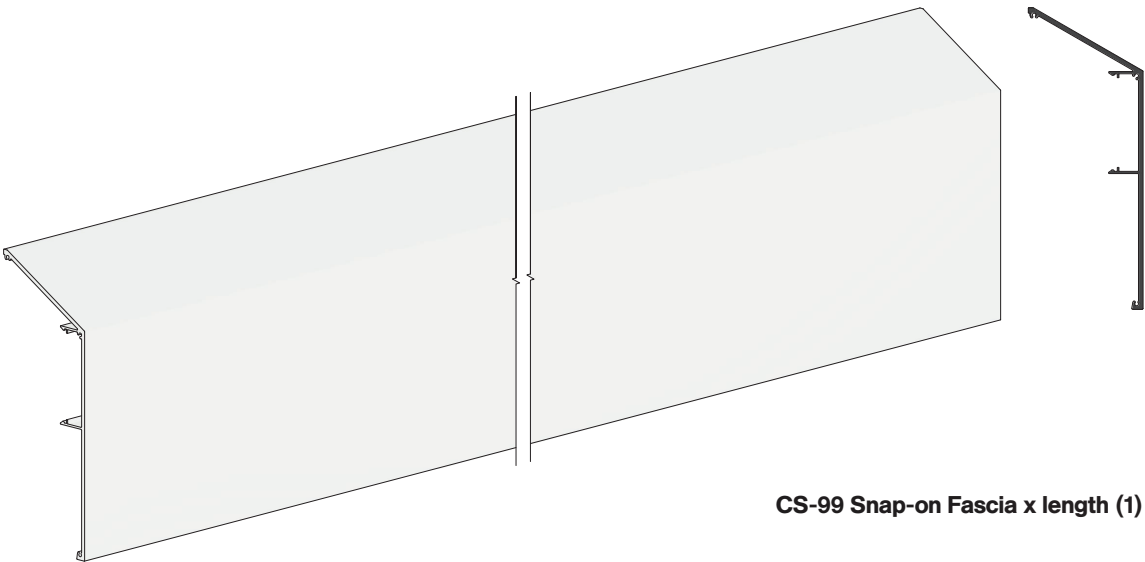


CS-ADB Automatic Door Bottom x length (1)
Complete with built-in guide channel and silicone insert

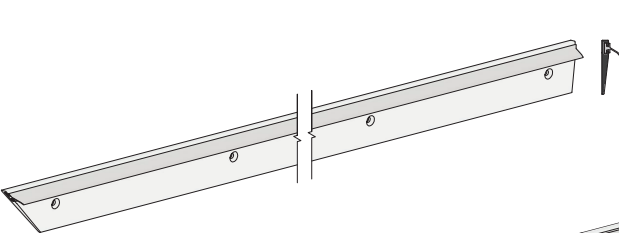
For **Right-Hand Outside [RHO]** / **Left-Hand Inside [LHI]** applications



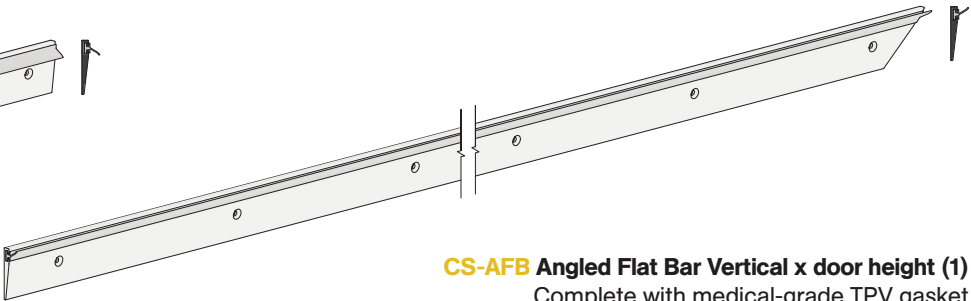
CS-98 Side Mount Track x length (1)



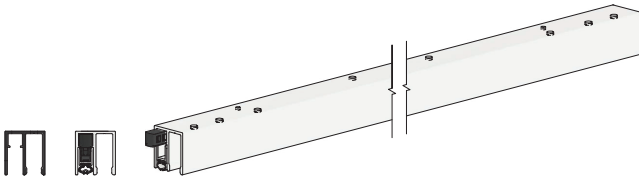
CS-99 Snap-on Fascia x length (1)



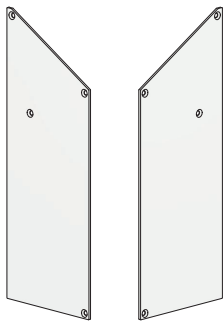
CS-AFB Angled Flat Bar Header x length (1)
Complete with medical-grade TPV gasket



CS-AFB Angled Flat Bar Vertical x door height (1)
Complete with medical-grade TPV gasket

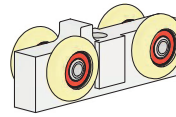


CS-ADB Automatic Door Bottom x length (1)
Complete with built-in guide channel and silicone insert

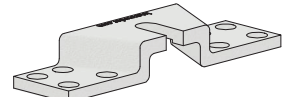


CS-9 End Caps (2)
Left and right

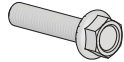
**#4 x 5/16" Flat Head
Screws (8)**
[FT29]



CC-912 Hanger Bodies (2)
c/w wheels



C-998 Top Plates (2)



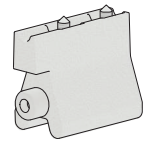
**1/2-13 x 2-1/4" Hex
Flange Bolt (2)**
[FT34]



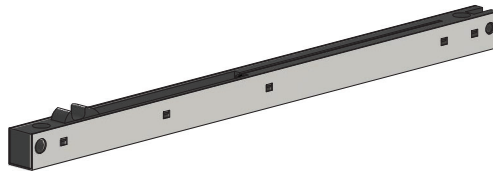
1/2-13 K-Lock Nut (2)
[FT33]



**#12 x 2-1/4" Flat Head
Screws (16)**
[FT52]



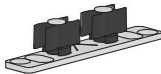
**CC-101HD Catch 'N' Close
In-Track Stops (2)**



Catch 'N' Close Devices (2)



**#10 x 1-1/2" Self-Drilling
Screws (4)**
[FT5]



CS-200-2 Double Floor Guide (1)



#10 x 1-1/2" Flat Head Screws (4)
[FT7]



**3/16" x 1-3/4" Cement Flat Head Phillips
Screws w/Grey Ruspert Finish (4)**
[STG3]

For **LHO/RHI**
openings



For **RHO/LHI**
openings



**CS-AECLEFT or CS-AECRIGHT
ADB End Cap (1)**



**#6-32 x 1" Flat Head Machine
Screws w/ Blue Patch (3)**
[FT59]



**CS-AAActivator ADB Activator
(1)**



**#6-32 x 1" Flat Head
Type F Screws (2)**
[FT60]



**CS-AECMB ADB End Cap
Mounting Block (1)**



#6 x 2" Flat Head Screws (3)
[FT58]



**(CSF1) #6-32 x 3/4" Hex
Washer Head Type F Screws (6)**
[FT56]



**(CSF2) #10 x 2-1/4" Pan Head
Self-Drilling Screw (50)**
[FT6]



**(CSF3) #6 x 3/4" Flat Head
Screws (40)**
[FT57]



**(CSF4) #6-32 x 1" Flat Head
Type F Screws (6)**
[FT60]

Before You Begin

Please read these instructions carefully before starting installation. Proper adherence ensures optimal performance and longevity of product. **Failure to follow these instructions may void the warranty or result in damage or injury.**

Project Layout and Dimensions

Refer to the Approved Opening Layout Drawing provided with each order for key dimensions, including rough opening, door size, and positioning. Views in the Parts List are for general reference only.

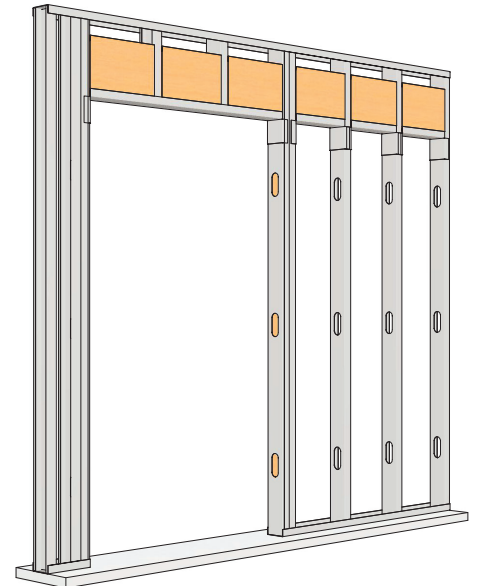
Important Framing Information

Proper framing is essential for the performance and longevity of the system. This product has been tested with 3 5/8 in [92 mm] metal stud framing and integrated lumber framing. Framing details may vary—refer to local codes.

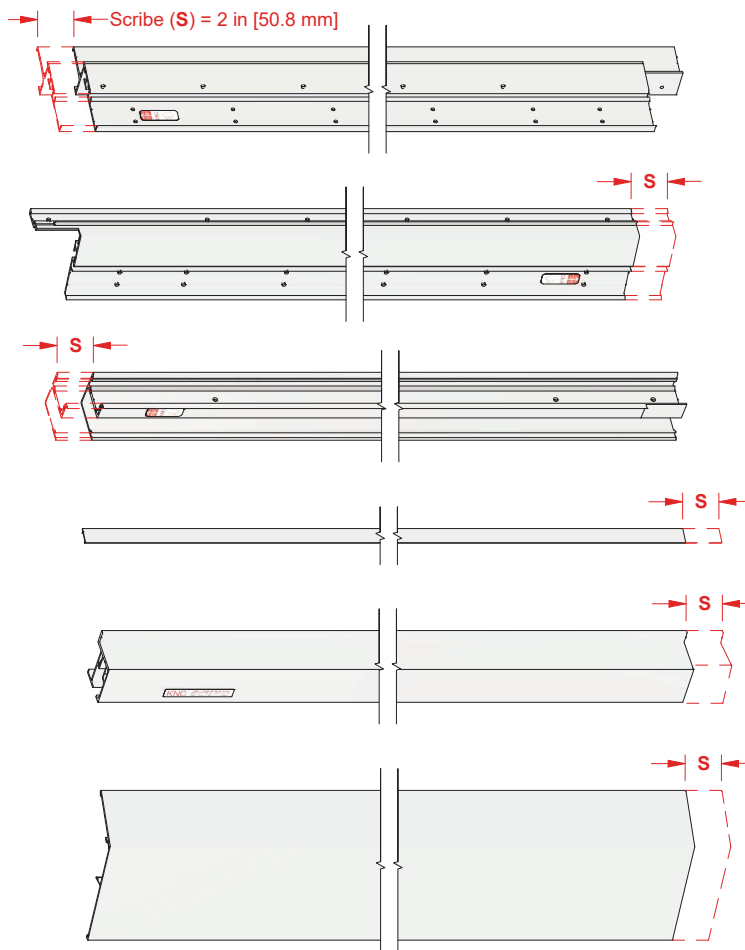
A certified structural engineer must verify metal stud support. KN Crowder is not responsible for framing details; the warranty does not cover issues from improper structural support.

Important Component Lengths

1. CS-HB Header Base, CS-AFB Angled Flat Bars, and CS-ADB Automatic Door Bottom cannot be cut down on site. Lengths were determined based on final door size specified in the Approved Opening Layout Drawing. Contact KN Crowder if sizing is incorrect.
2. Regarding vertical jamb components shown below; CS-SB Strike Base, CS-SC Strike Cover, CS-FC Fastener Cover, CS-98 Track, and CS-99 Sloped Fascia; Lengths are supplied cut to final size per the Approved Opening layout Drawing unless Scribe was specified. If Scribe is ordered, the listed components will be supplied 2 in [50.8 mm] longer at the floor end to be cut down on site.
3. Other vertical and select header jamb components, including CS-[WT] Jamb Covers, CS-25C Casing Covers, and CS-FC Fastener Covers are supplied with at least 1/2 in [12.7 mm] of extra length for on-site cutting after base components are securely installed. This ensures a clean, tight fit of all covers, minimizing gaps at joints.



Metal stud and wood framing by others



Installation Steps

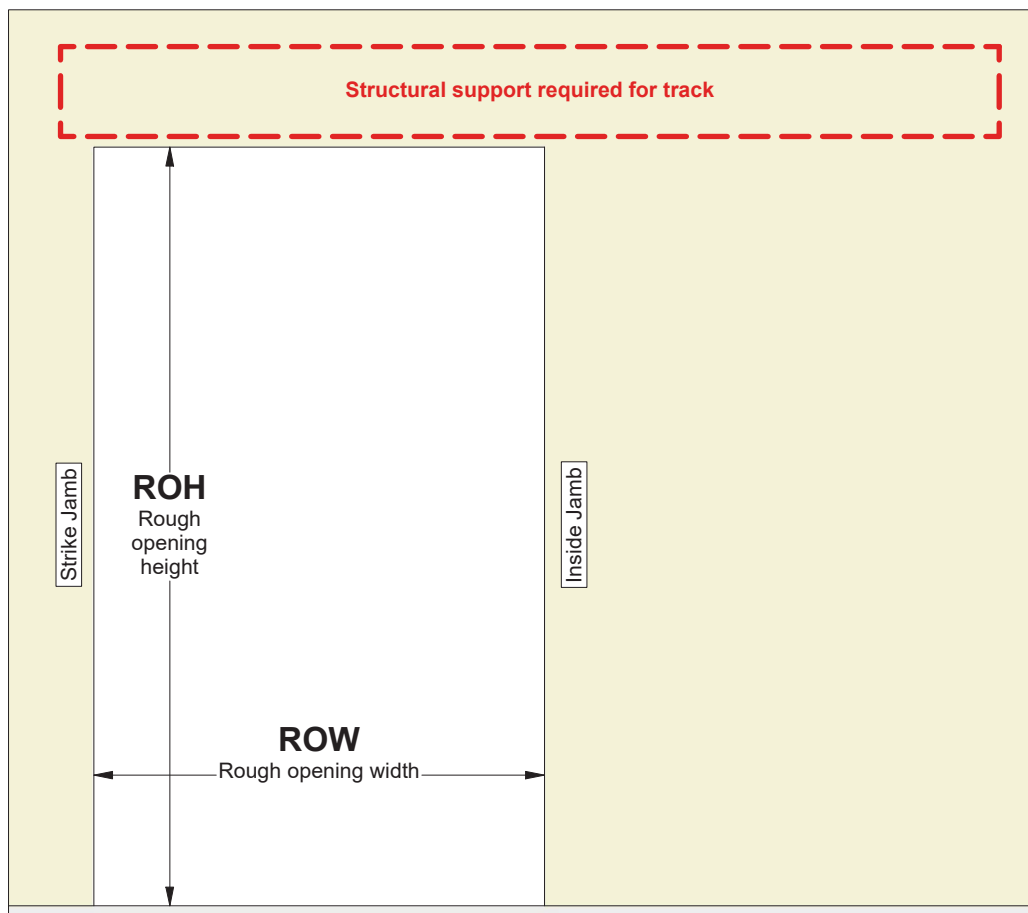
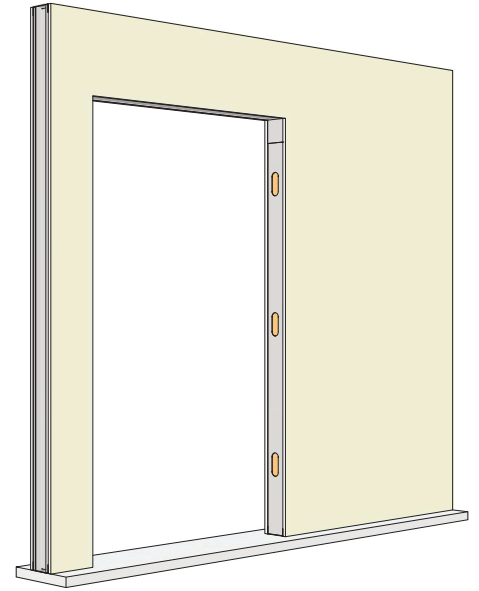
Note: Details and step illustrations show a typical installation using **Right-Hand Outside (RHO)** opening set-up for a 4 7/8 in [124 mm] wall.

Step #1:

Verify Rough Opening Size

Confirm rough opening size on-site matches dimensions shown on Approved Opening Layout Drawing and relatively plumb and square. A total tolerance of up to 1/8 in [3.2 mm] is allowed in each direction.

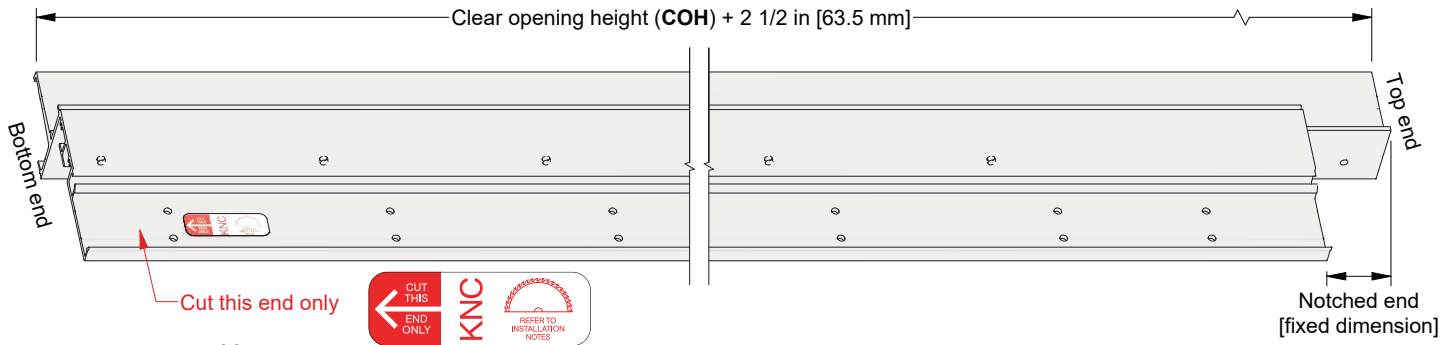
Note: If rough opening dimensions are considerably different than Approved Opening Layout Drawing, please contact KN Crowder as supplied components may not be usable.



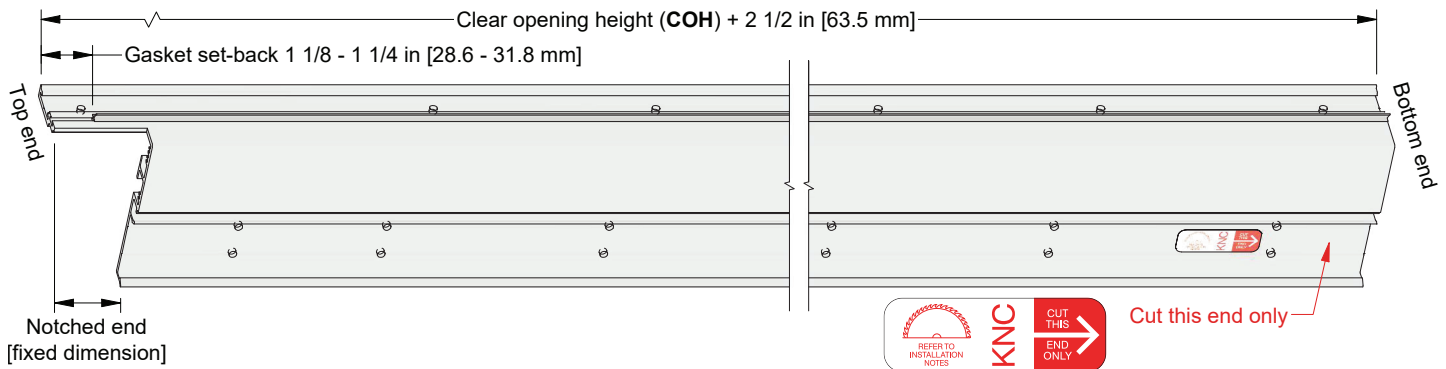
Step #2:

Constructing the Base Framing

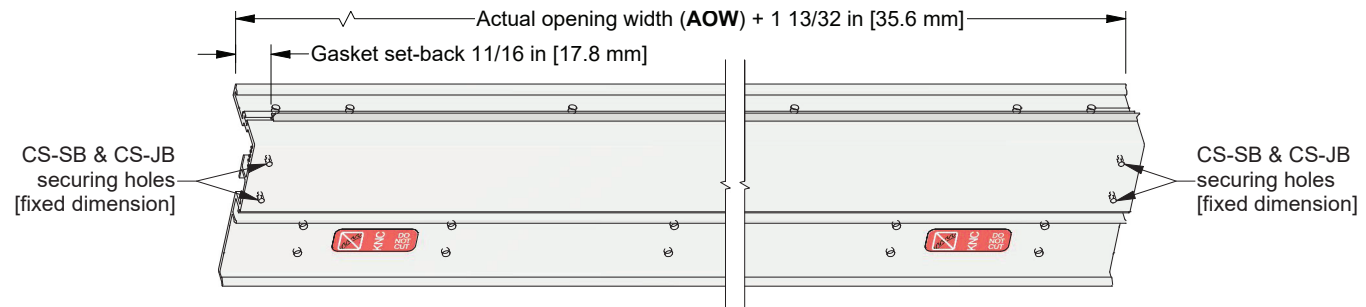
Components required:



CS-SB Strike Base (1)



CS-JB Jamb Base (1)



CS-HB Header Base (1)

(CSF1) #6-32 x 3/4" Hex Washer
Head Type F Screws (6)
[FT56]

Preparing Strike, Jamb, and Header Bases

Strike Base and Jamb Base are supplied cut to final size per Approved Opening Layout Drawing (unless Scribe was ordered) and typically do not require on-site cutting, except for minor adjustments due to rough opening (RO) size variations.

- If Scribe was ordered, only bottom ends (opposite notched ends) should be cut, as indicated by sticker.
- To determine correct cut length, add 1 5/8 in [41.3 mm] to on-site rough opening height (ROH).

Note: Do not cut notched ends, as they are essential for proper installation of jamb system.

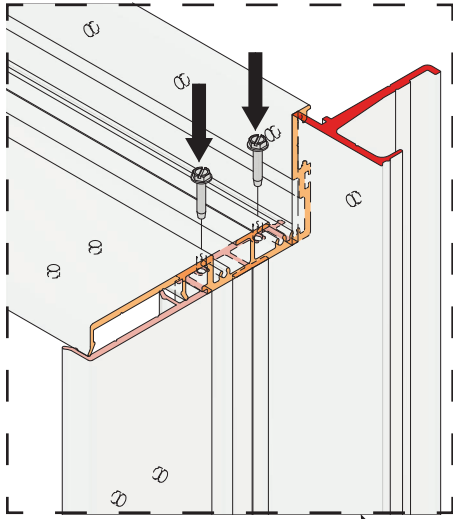
Header Base is supplied cut to final size and **CANNOT** be trimmed on-site, as it is precision cut based on the Approved Opening Layout Drawing. Contact KN Crowder if sizing is incorrect.



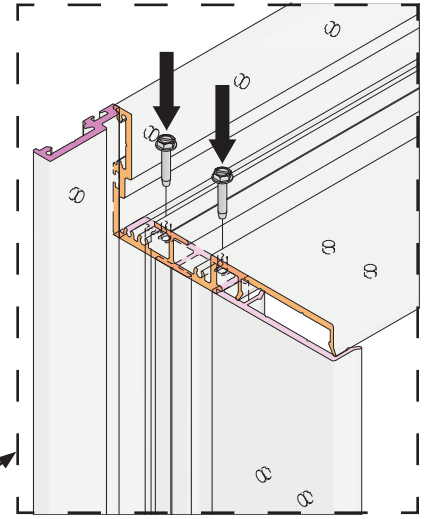
Joining Sections

Position **CS-HB** against notched section of **CS-SB** and **CS-JB**, aligning two small holes at each end of **CS-HB** with hole grooves on **CS-SB** and **CS-JB**. Secure with two (2) #6-32 x 3/4" Hex Washer Head Type F Screws [**CSF1**] on each end.

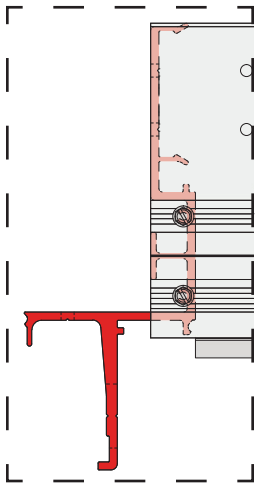
Note: If using an impact driver, avoid overtightening to prevent stripping extrusion or breaking screw. If screws are not tightly secured, gaps may appear at joints after installation.



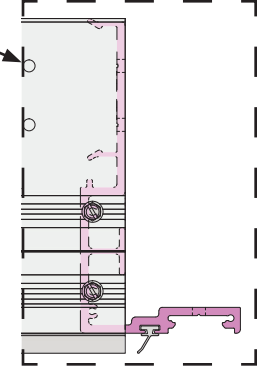
Close-up:
CS-SB Strike Base and
CS-HB Header Base



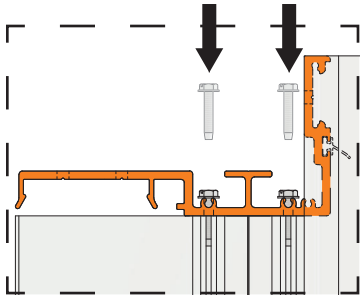
Close-up:
CS-JB Jamb Base and
CS-HB Header Base



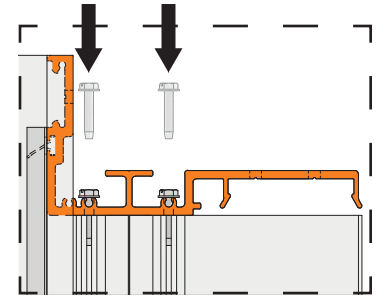
Top view:
CS-SB Strike Base and
CS-HB Header Base



Top view:
CS-JB Jamb Base and
CS-HB Header Base



End view:
CS-SB Strike Base into
CS-HB Header Base

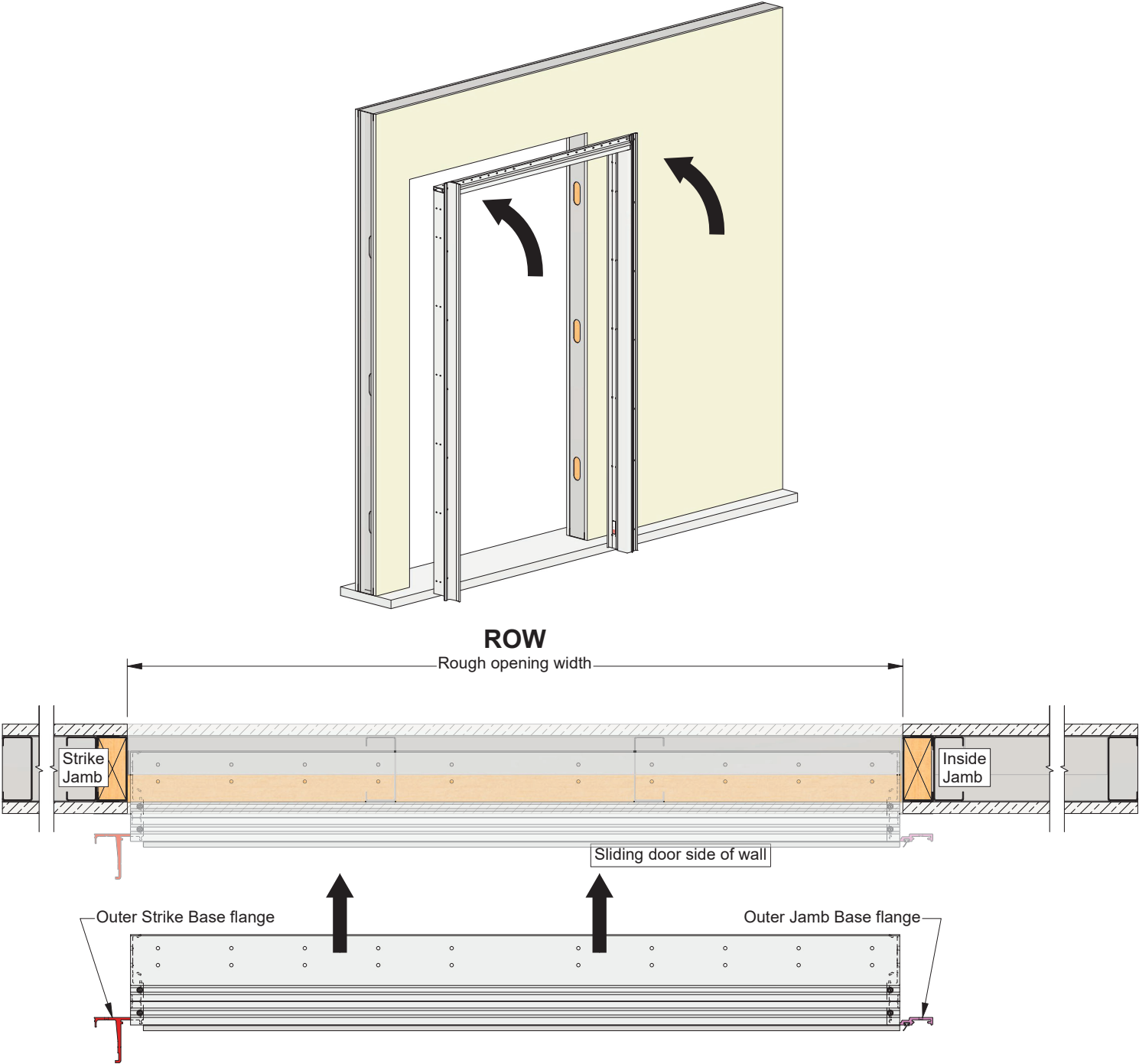


End view:
CS-HB Header Base into
CS-JB Jamb Base

Step #3:

Positioning Base Framing

Raise each joined base framing, one at a time, and place it into rough opening. Ensure outer base flanges are tight against wall where door will slide. Refer to Approved Opening Layout Drawing for guidance.
Use an adjustable bar clamp to temporarily hold bases against wall.



Step #4:

Levelling and Securing Outer Base Flanges

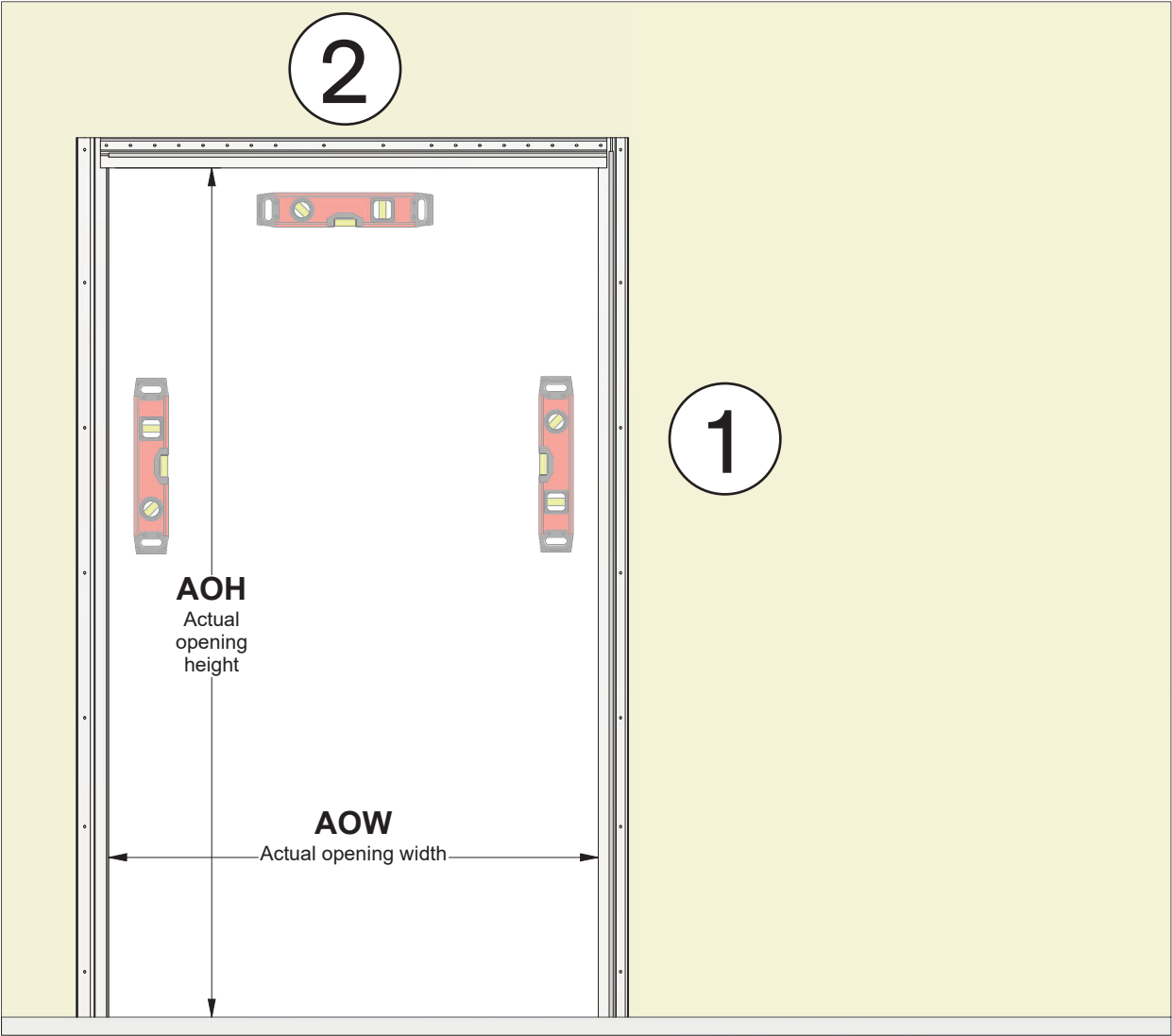
Components required:



(CSF2) #10 x 2-1/4" Pan Head
Self-Drilling Screws (50)
[FT6]

Levelling Vertical and Header Base Components

Use a level to ensure Strike Base, Jamb Base and Header Base are plumb.



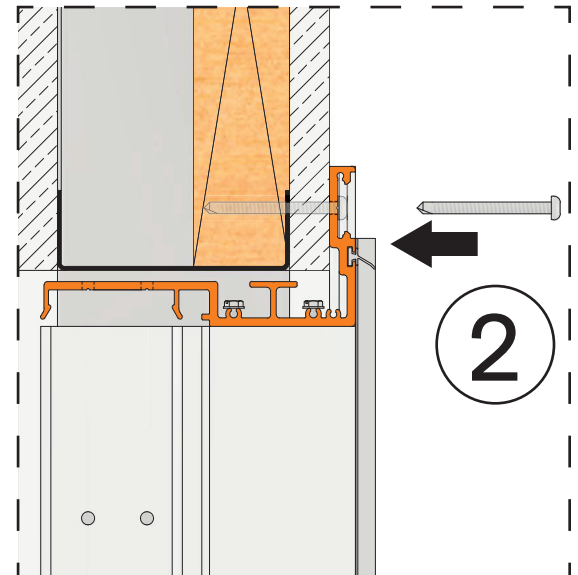
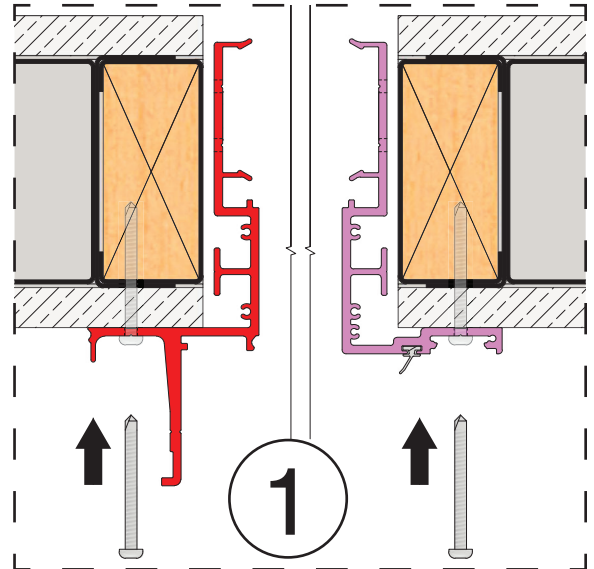
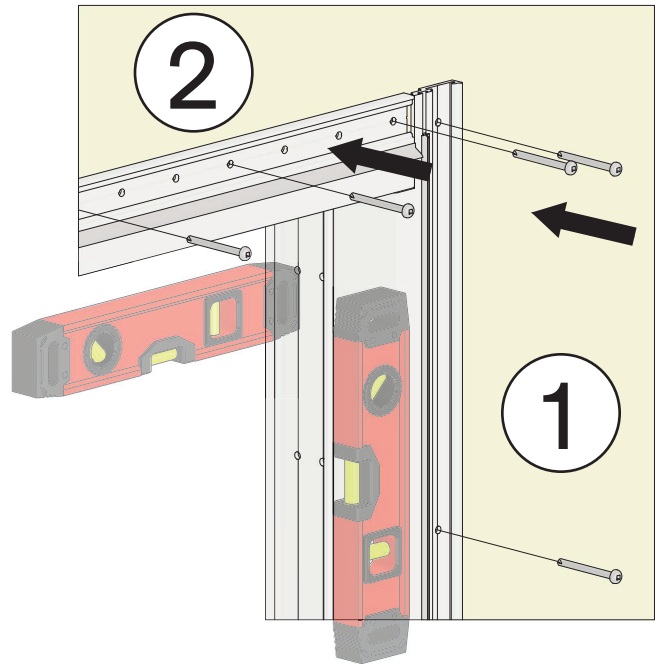
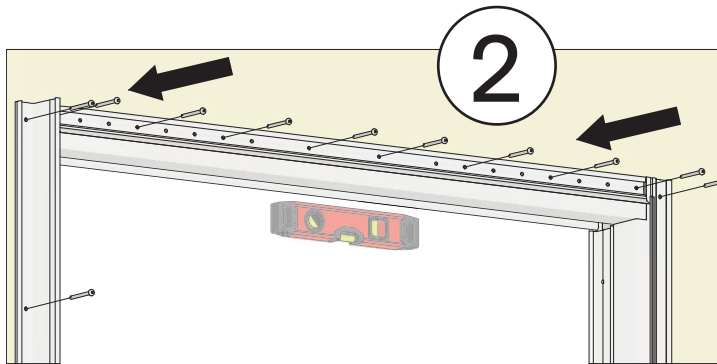
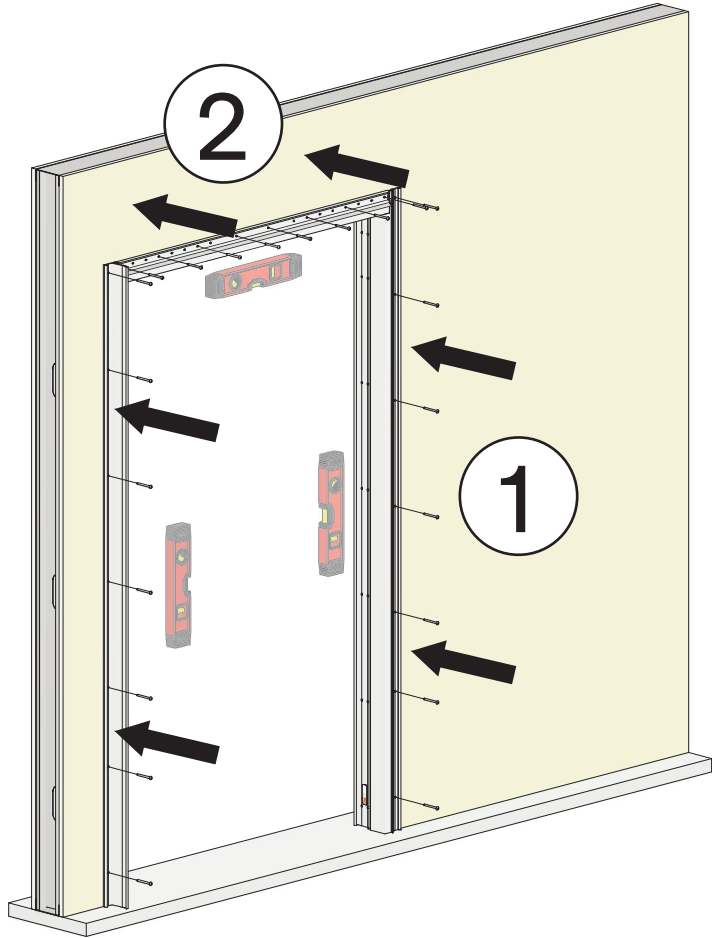
Secure Vertical Base Components ①

Secure to wall through pre-drilled holes on outer base flanges using #10 x 2-1/4" Self-Drilling Screws [CSF2]. A total of fifty (50) screws are supplied for securing all base components.

Secure Header Base Components ②

Secure to wall through pre-drilled holes on outer base flanges using #10 x 2-1/4" Self-Drilling Screws [CSF2].

Note: If all components are plumb and level, there should be no visible gaps at joints of base components. Misalignment may result in exposed gaps.



Step #5:

Shim and Secure Base Framing

Once outer base flanges are secured to wall, move to opposite side of wall (non-sliding door side).

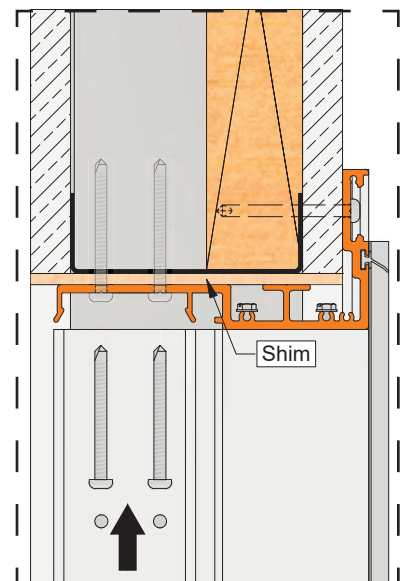
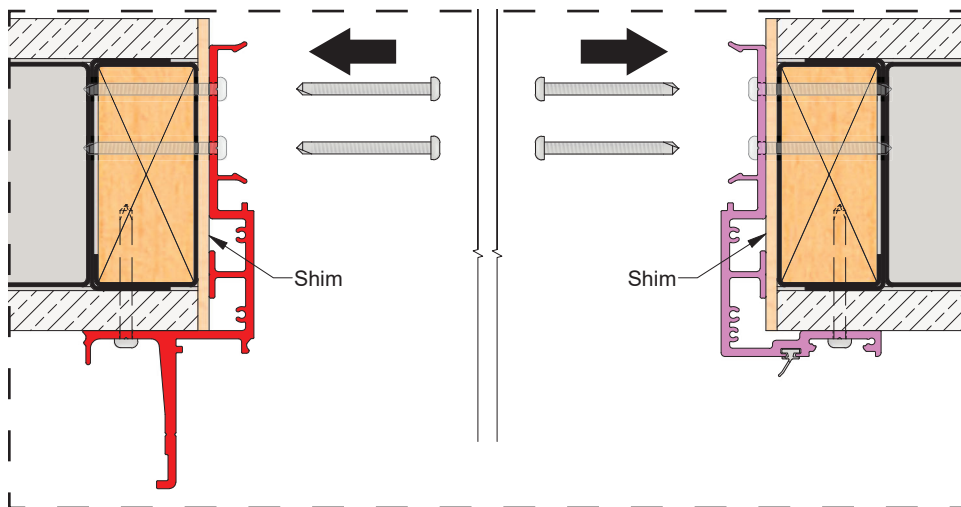
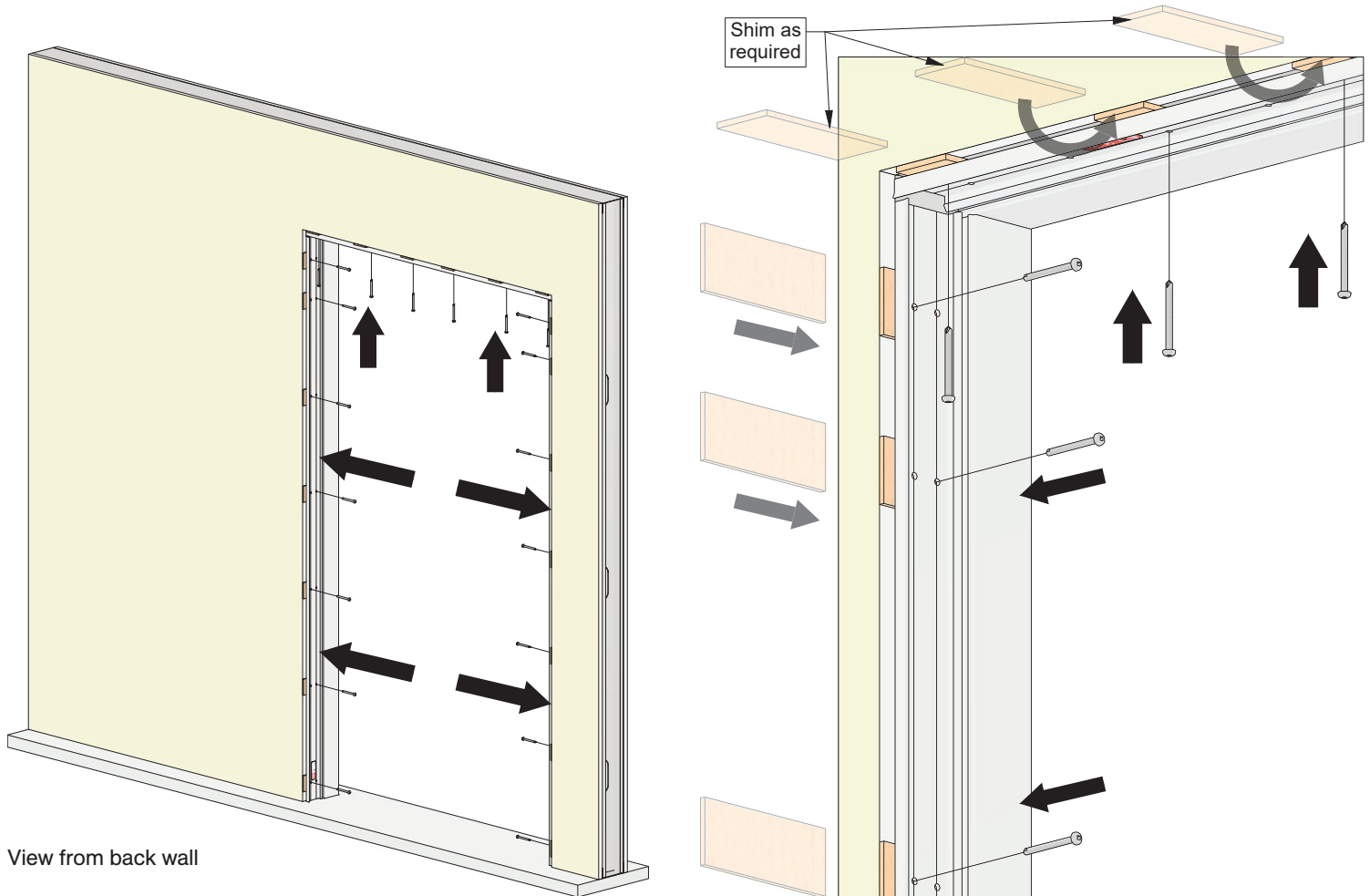
Shim Gaps

Use shims (not supplied) to fill gaps between base components and rough opening framing for proper support.

Note: Using too many or too few shims can result in an uneven or distorted base frame, which may prevent finishing covers from fitting or aligning properly.

Secure Base Framing

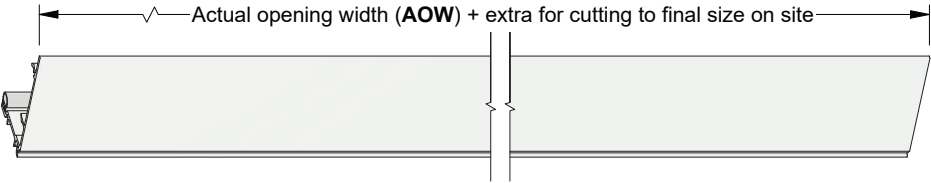
Fasten through pre-drilled holes and into rough opening framing, ensuring shims remain in place.



Step #6:

Installing Jamb Cover Header

Components required:



CS-[WT] Jamb Cover Header (1)

CS-[WT] is supplied based on wall thickness:

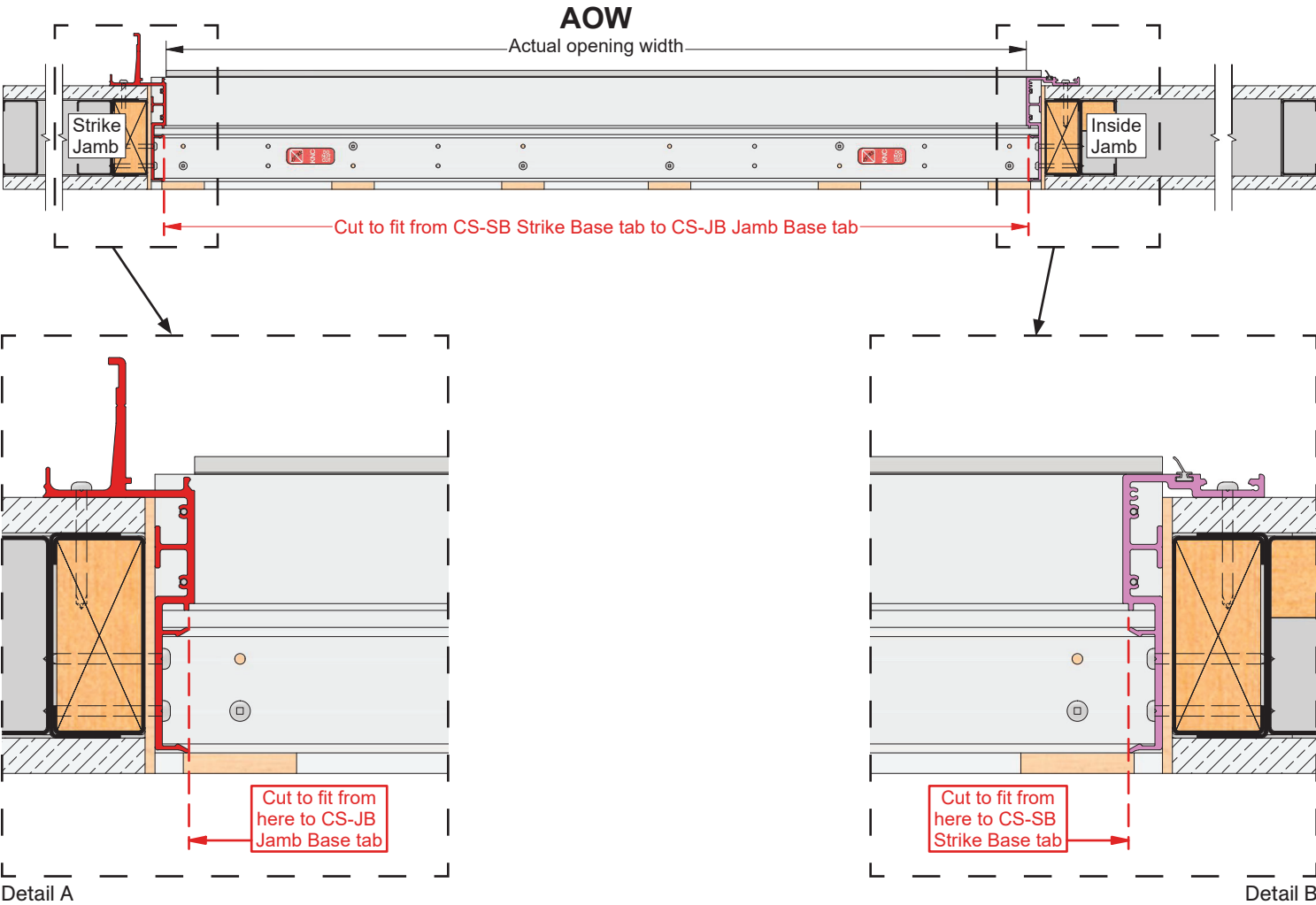
Part number	Overall wall thickness
CS-4875	4 7/8 inch [124 mm]
CS-7250	7 1/4 inch [184 mm]
CS-CUST	Custom

Note: Jamb Covers are supplied with extra length to allow for on-site measurements, ensuring a clean, tight fit and minimizing gaps at joints. Gasket inserts are also supplied longer and can be trimmed after installation if necessary.

Measure and Cut

For Jamb Cover Header length, measure from CS-SB Strike Base inner stepped tab (see Detail A) to CS-JB Jamb Base inner stepped tab (see Detail B).
Cut Jamb Cover Header to measured length.

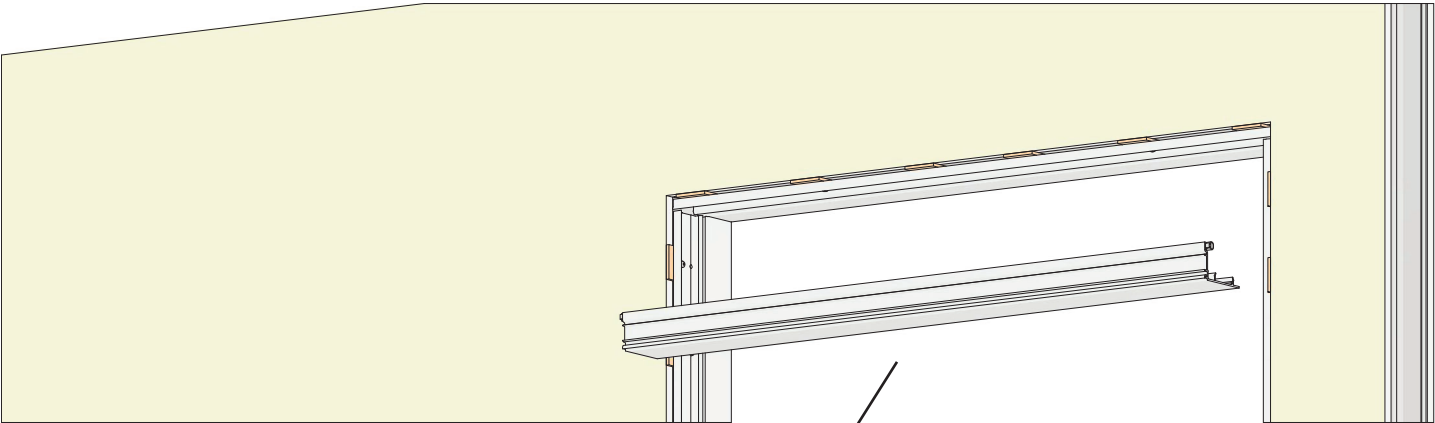
Note: Cutting covers too short may result in a loose fit between vertical and header covers, increasing gaps at joints and exposed ends.



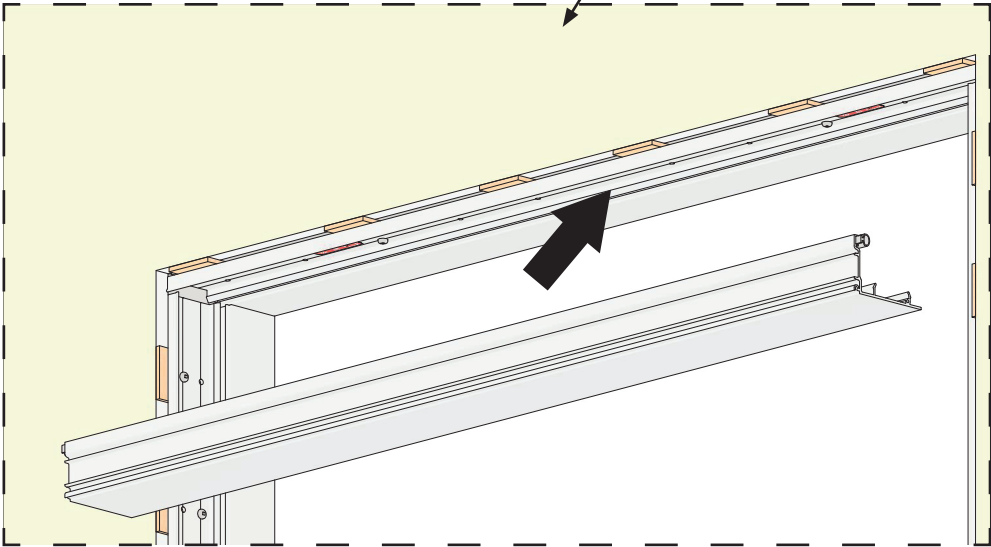
Install Jamb Cover Header

Snap cover onto header base as shown. A rubber mallet may be used to assist with snapping covers on, but take care not to damage, deform, or scratch parts.

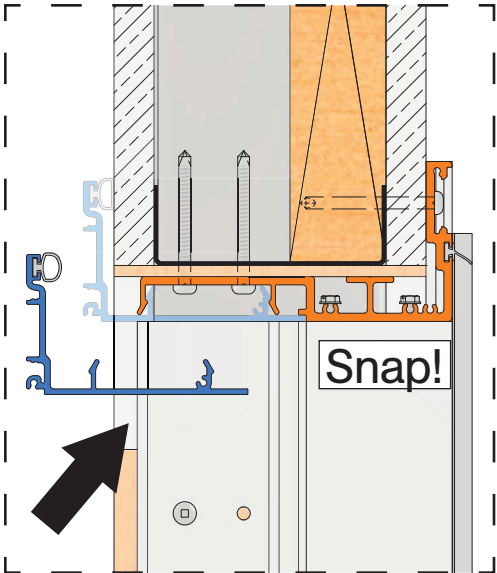
Note: Once in place, gasket inserts will compress against drywall to accommodate minor wall thickness variations.



View from back wall



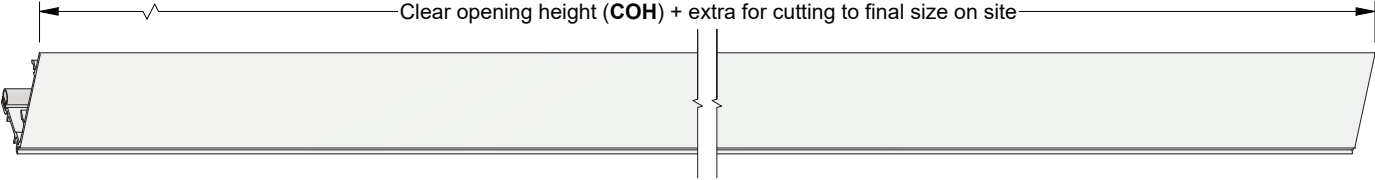
View from back wall, installing
CS-[WT] Jamb Cover Header



Step #7:

Installing Jamb Cover Verticals

Components required:



CS-[WT] Jamb Cover Verticals (2)

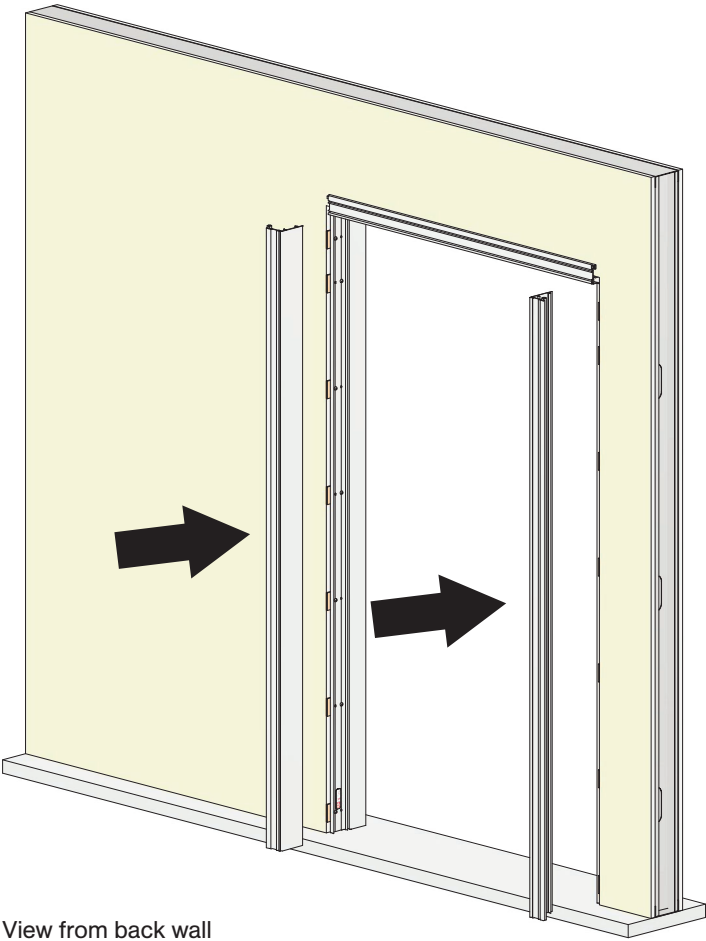
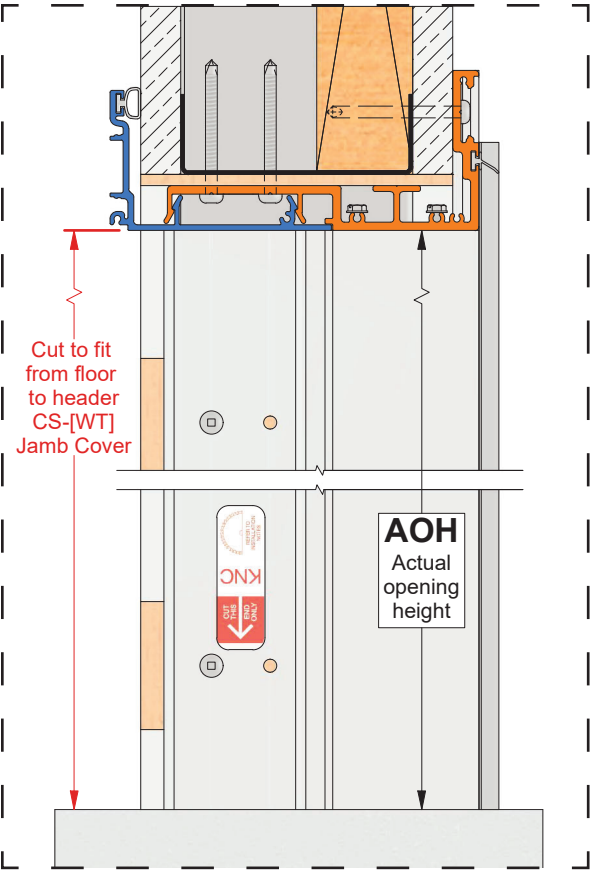
CS-[WT] is supplied based on wall thickness:

Part number	Overall wall thickness
CS-4875	4 7/8 inch [124 mm]
CS-7250	7 1/4 inch [184 mm]
CS-CUST	Custom

Measure and cut

Vertical covers need to fit between **CS-[WT]** Jamb Cover Header and floor, as shown.

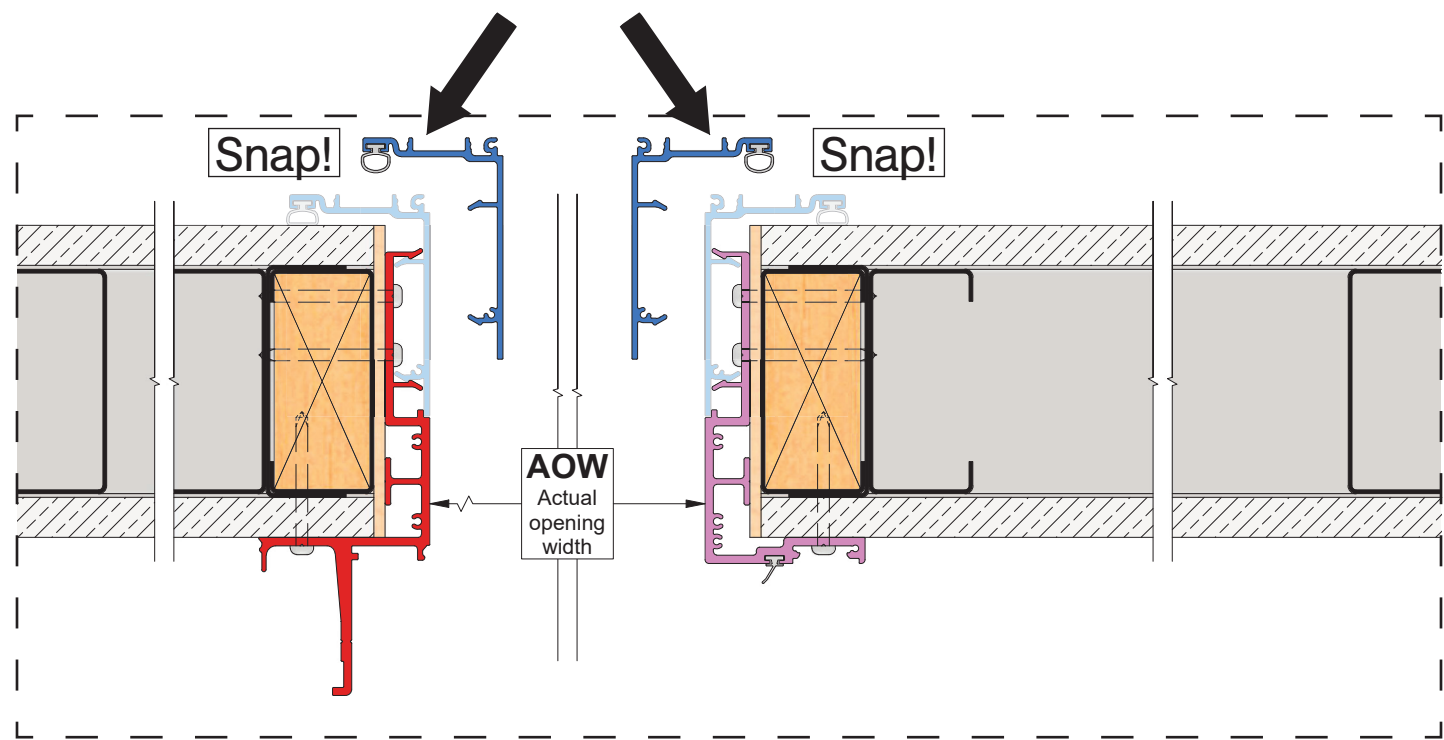
Note: Cutting covers too short may result in a loose fit between vertical and header covers, increasing gaps at joints and exposed ends.



Install Vertical Covers

Snap covers onto vertical bases as shown. A rubber mallet may be used to assist with snapping covers on, but take care not to damage, deform, or scratch parts.

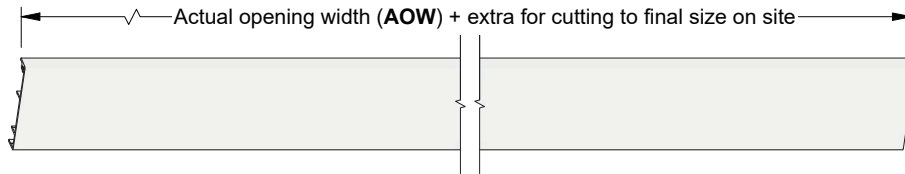
Ensure gasket is flush with floor end of covers, and trim any excess gasket at top end, after installation.



Step #8:

Installing Casing Cover Header

Components required:



CS-25C Casing Cover Header (1)

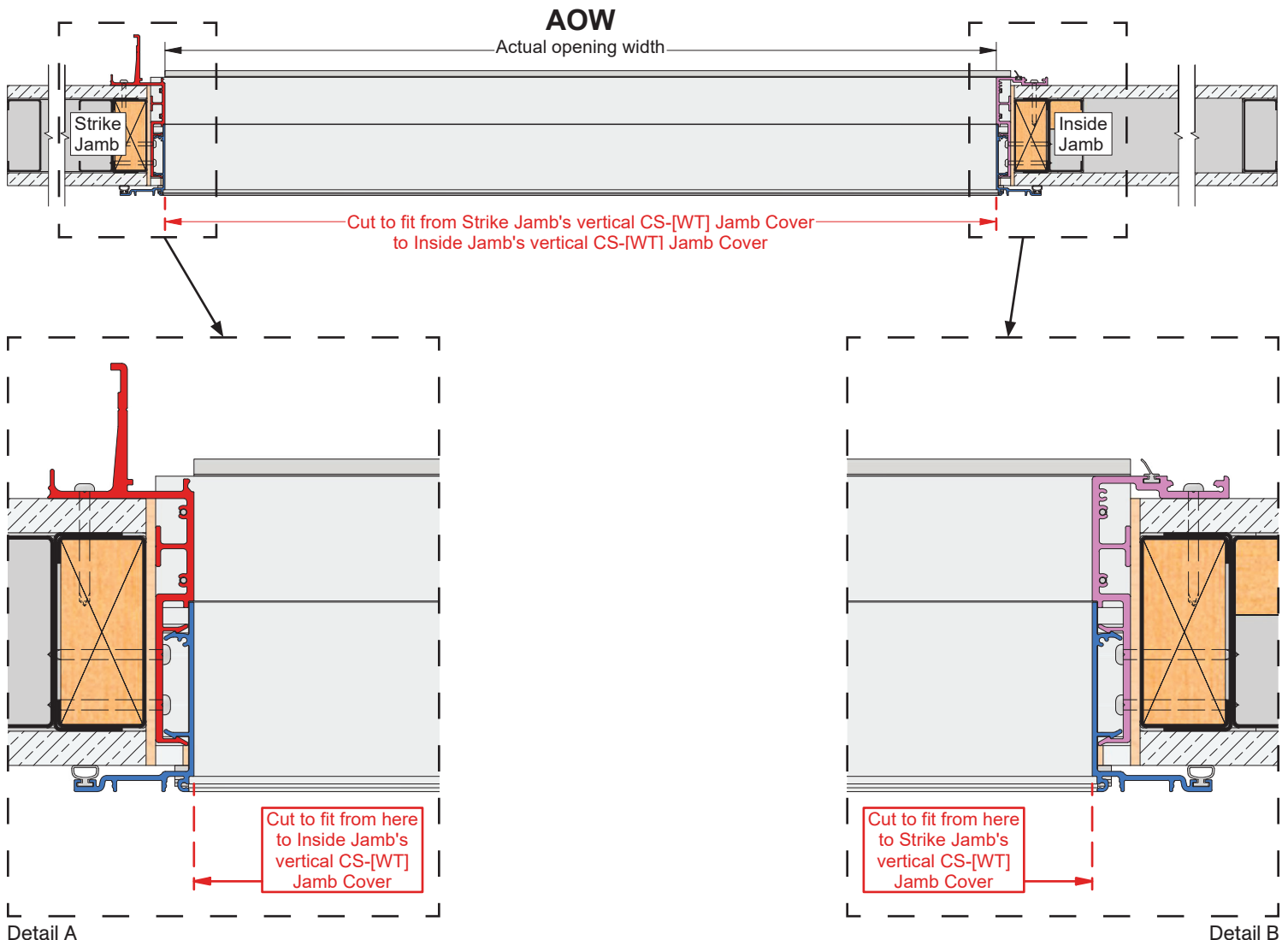
Note: Casing Covers are supplied with extra length to allow for on-site measurements, ensuring a clean, tight fit and minimizing gaps at joints. This extra length also allows installers to create mitered corners if desired.

Measure and Cut

For Casing Cover Header length, measure from **CS-[WT]** Jamb Cover Vertical installed on **CS-SB** Strike Base (see Detail A) to **CS-[WT]** Jamb Cover Vertical installed on **CS-JB** Jamb Base (see Detail B).

To ensure a precise fit, temporarily snap **CS-25C** Casing Cover Header onto **CS-[WT]** Jamb Cover Verticals. This will serve as a reference point for accurate cutting.

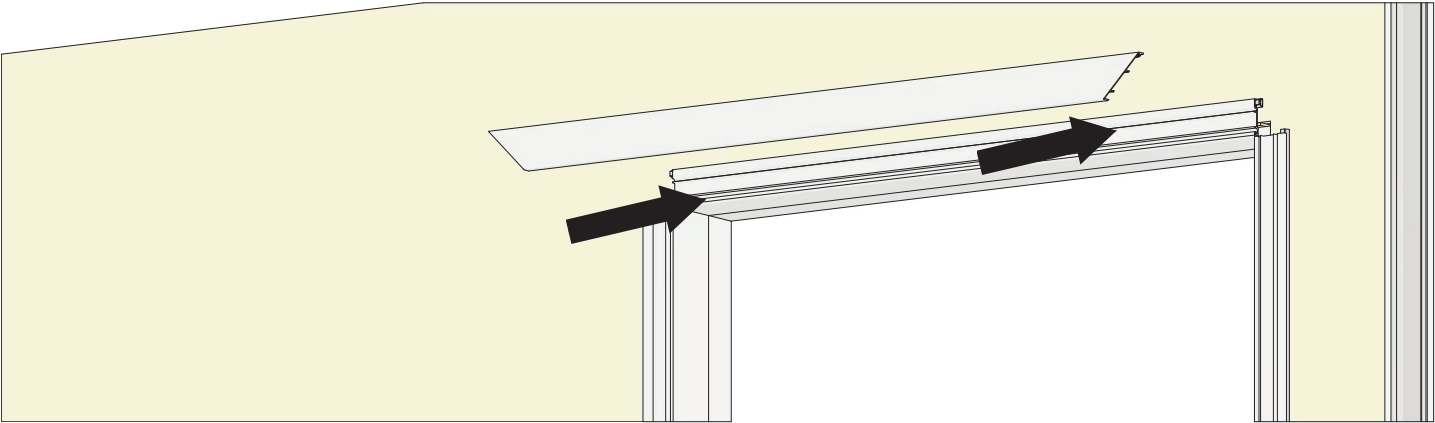
Cut Casing Cover Header to measured length and install.



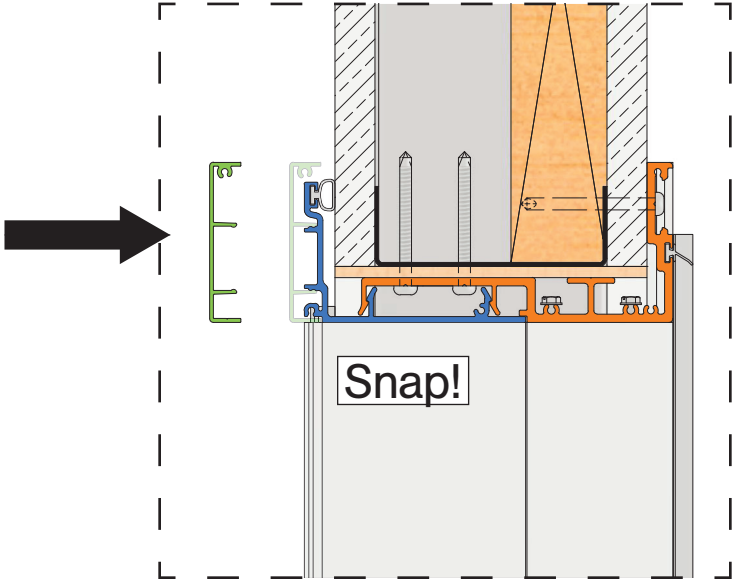
Install Casing Cover Header

Snap Casing Cover onto **CS-[WT]** Jamb Cover Header. A rubber mallet may be used to assist with snapping covers on, but take care not to damage, deform, or scratch parts.

Note: Cutting cover too short may result in a loose fit, increasing gaps at joints and exposed ends.



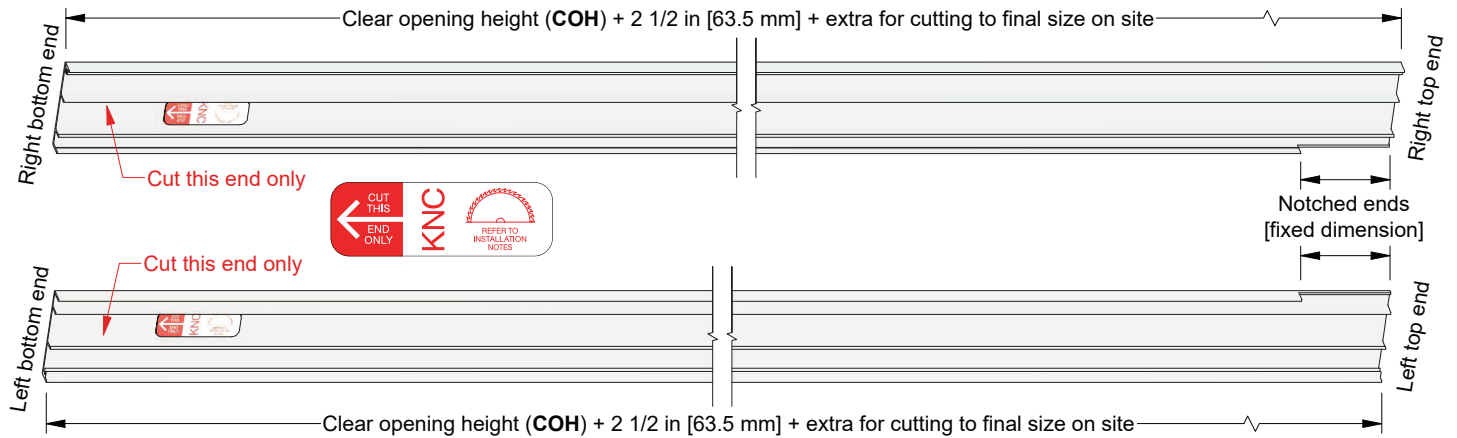
View from back wall



Step #9:

Installing Casing Cover Verticals

Components required:

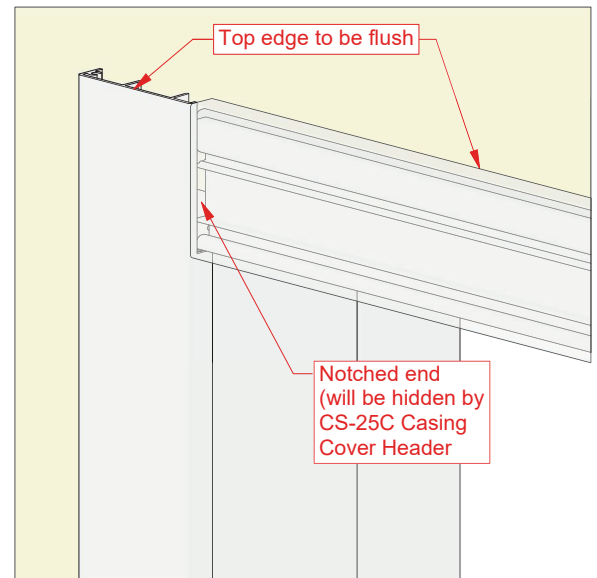
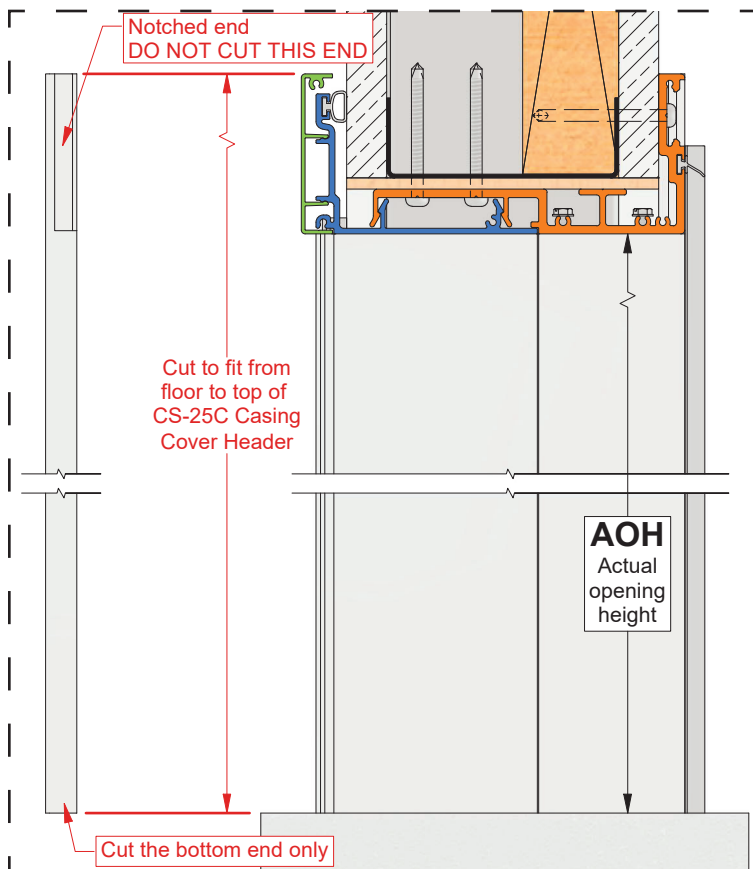


CS-25C Casing Cover Verticals (1 right and 1 left)

Measure and cut

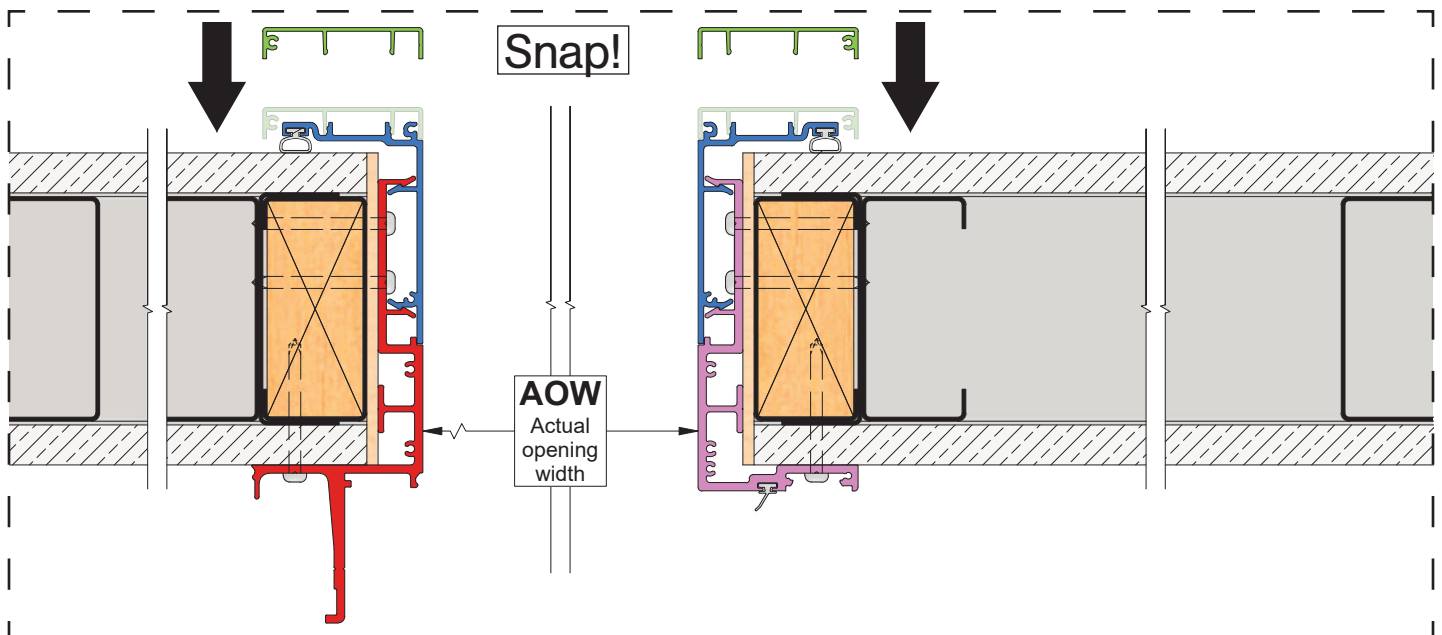
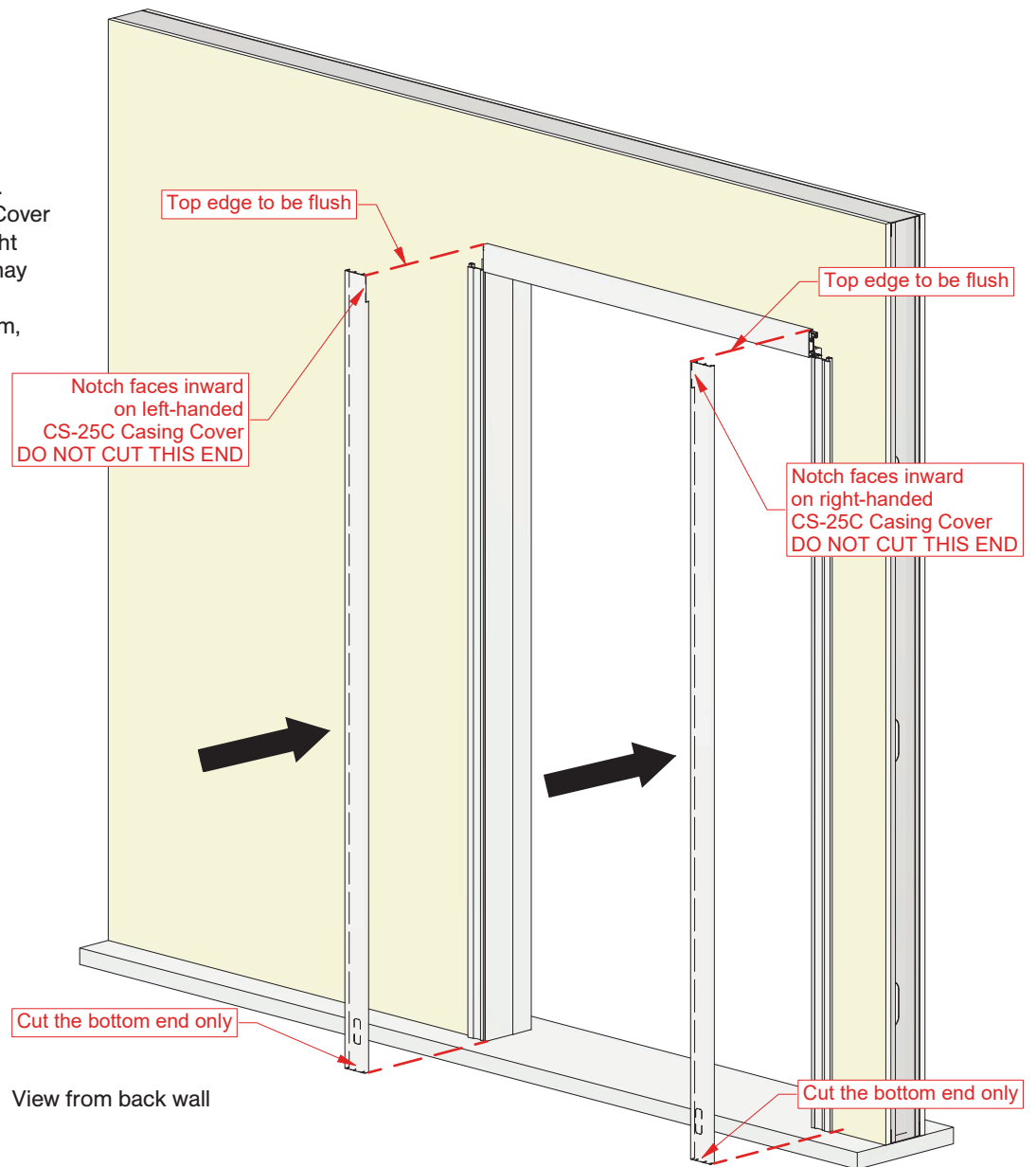
Casing Cover Verticals need to fit from floor to top of **CS-25C** Casing Cover Header, ensuring top edge of each Casing Cover Vertical is flush with top of Casing Cover Header as shown.

Note: Do not cut notched ends, as they are essential for proper installation of complete jamb system.



Install Casing Cover Verticals

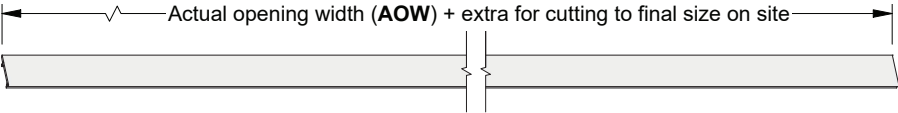
Ensure notch on each Casing Cover Verticals faces inward, toward opening. Snap left casing cover onto left Jamb Cover Vertical and right casing cover onto right Jamb Cover Vertical. A rubber mallet may be used to assist with snapping covers on, but take care not to damage, deform, or scratch parts.



Step #10:

Installing Fastener Cover Header

Components required:



CS-FC Fastener Cover Header (1)

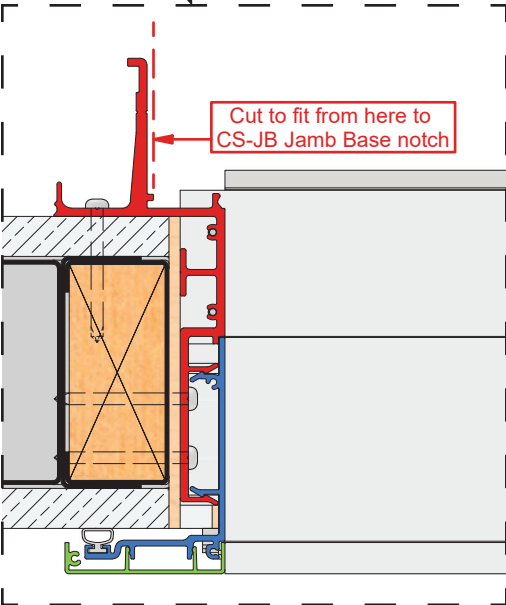
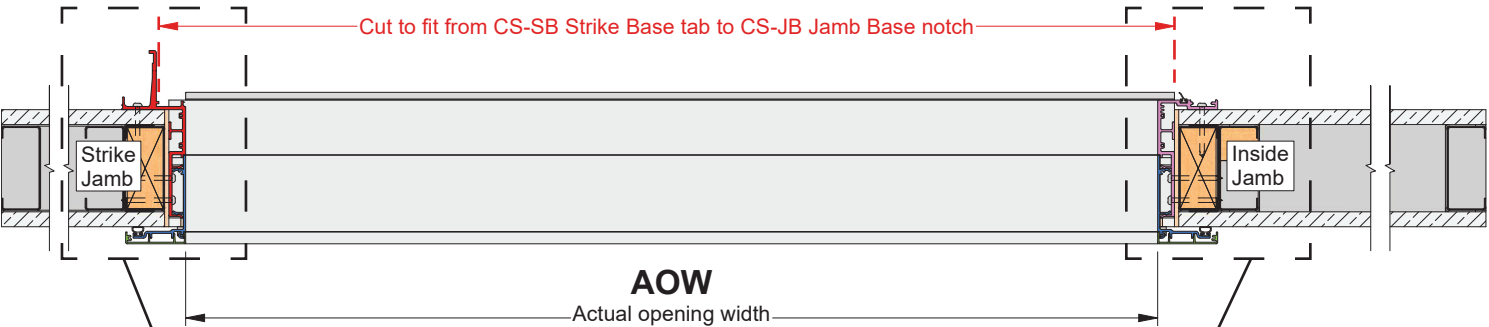
Note: Fastener Covers are supplied with extra length to allow for on-site measurements, ensuring a clean, tight fit of all covers and minimizing gaps at joints.

Measure and Cut

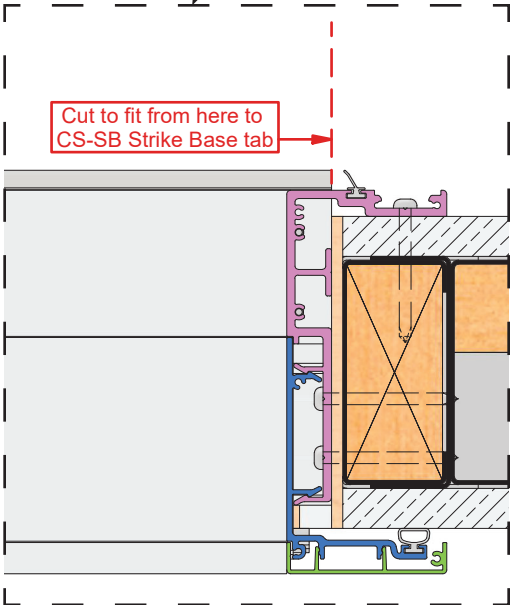
For CS-FC Fastener Cover Header length, measure from stepped tap on CS-SB Strike Base (see Detail A and red arrow labelled A on next page) to notched surface of CS-JB Jamb Base (see Detail B and pink arrow labelled B on next page).

Cut Fastener Cover Header to measured length.

Note: If cut too short, excessive gaps may appear at joints or exposed ends.



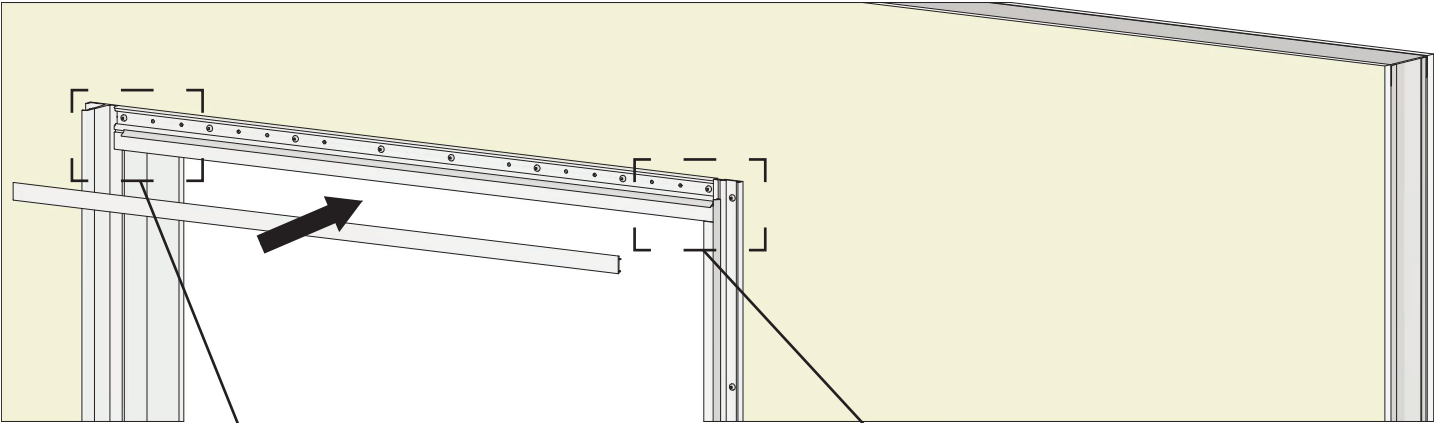
Detail A



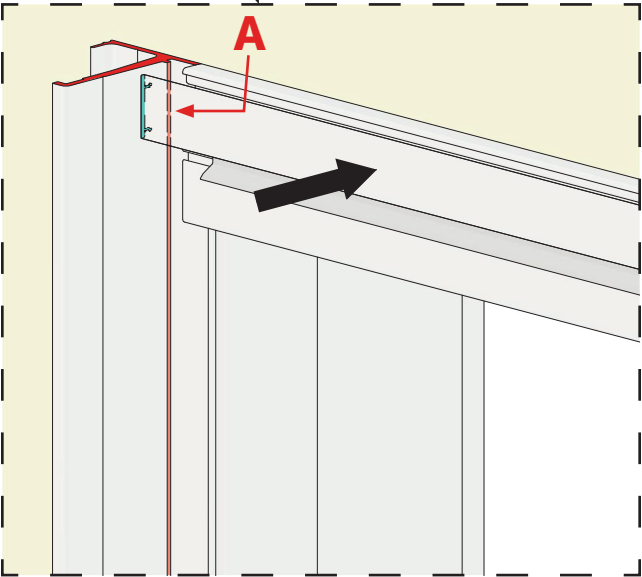
Detail B

Install Fastener Cover

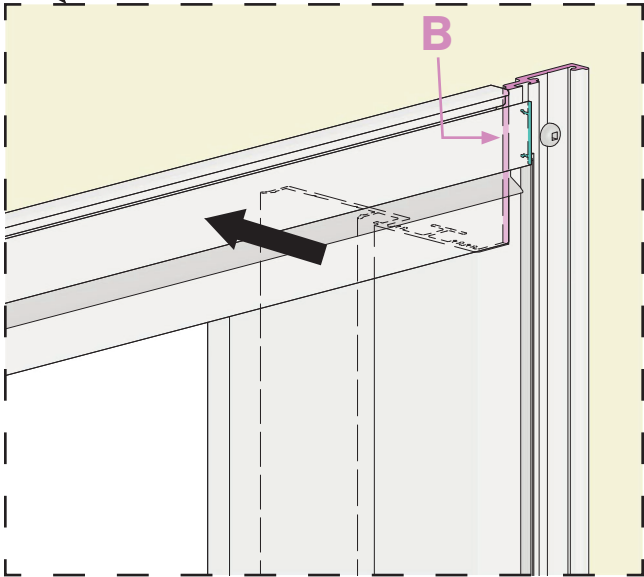
Snap **CS-FC** Fastener Cover Header into **CS-HB** Header Base, as shown below.
If Fastener Cover Header feels loose when installed, use pliers to gently crimp legs at multiple points along their length to create a more secure fit. Take care not to over-crimp, as they may affect alignment.



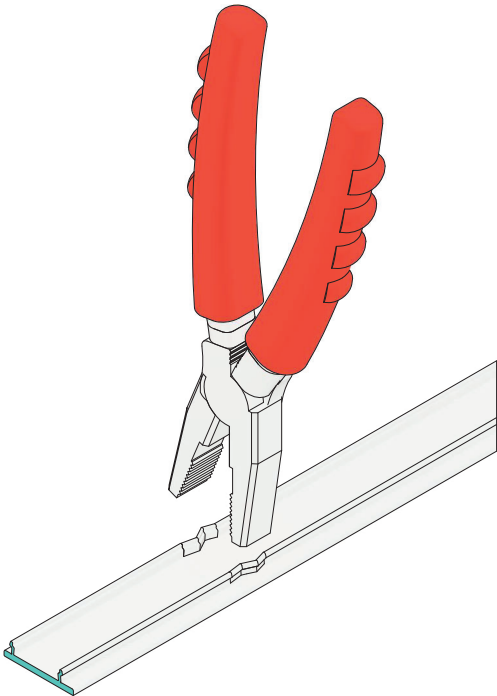
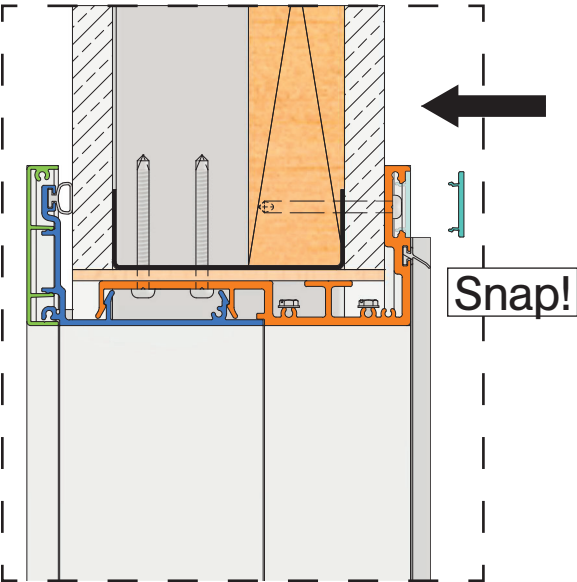
View from front wall



View from front wall, Strike Jamb side



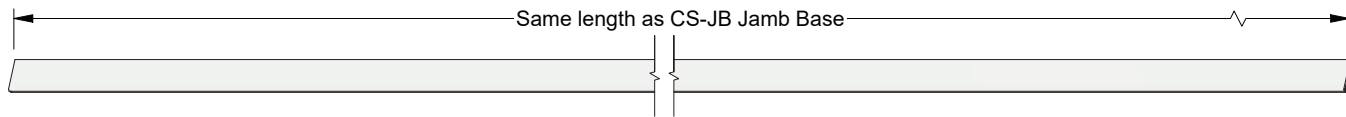
View from front wall, Inside Jamb side



Step #11:

Installing Fastener Cover Vertical

Components required:



CS-FC Fastener Cover Vertical (1)

Check Length

Fastener Cover Vertical is pre-cut to match length of **CS-JB** Jamb Base and should not require additional cutting unless a Scribe was ordered or on-site adjustments were made in **step #2**.

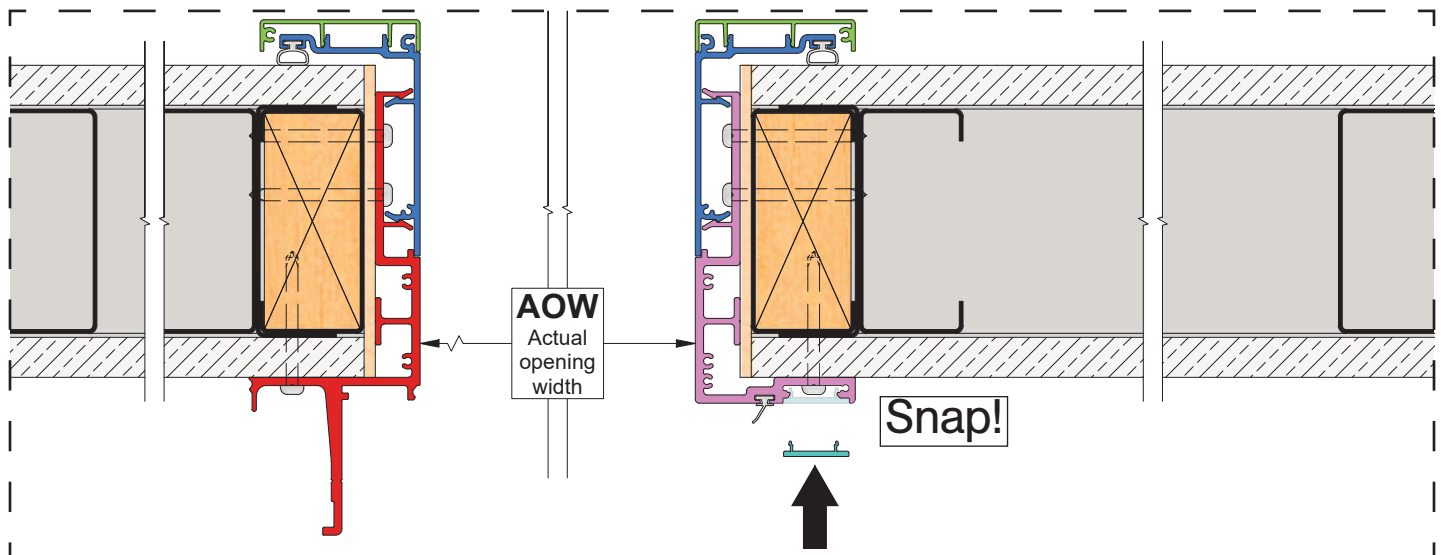
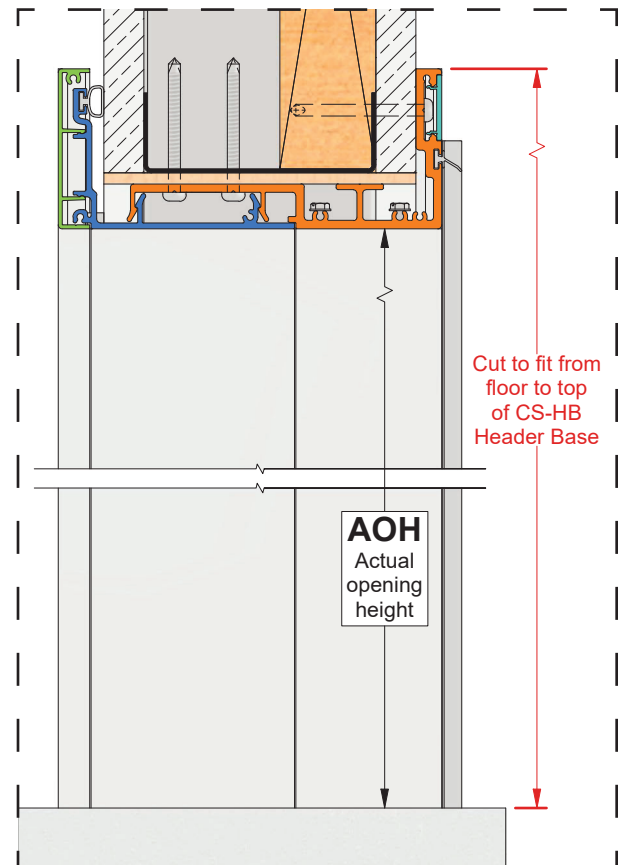
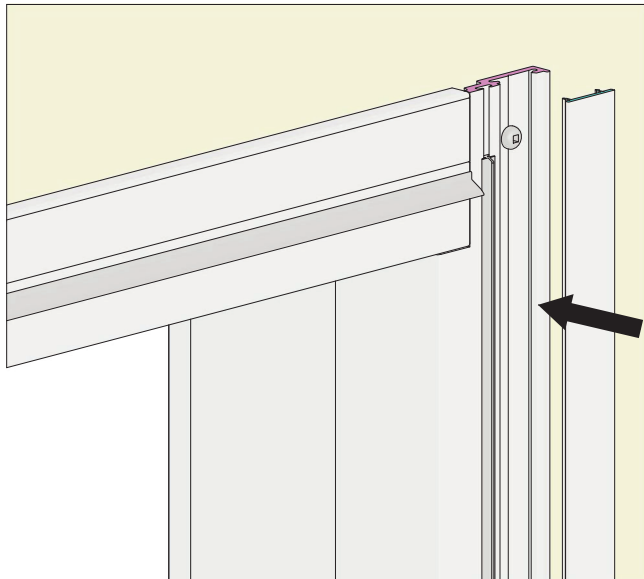
Measure and cut (if necessary)

If required, trim **CS-FC** Fastener Cover Vertical to match overall length of **CS-JB** Jamb Base.

Note: If cut too short, excessive gaps may appear at joints or exposed ends.

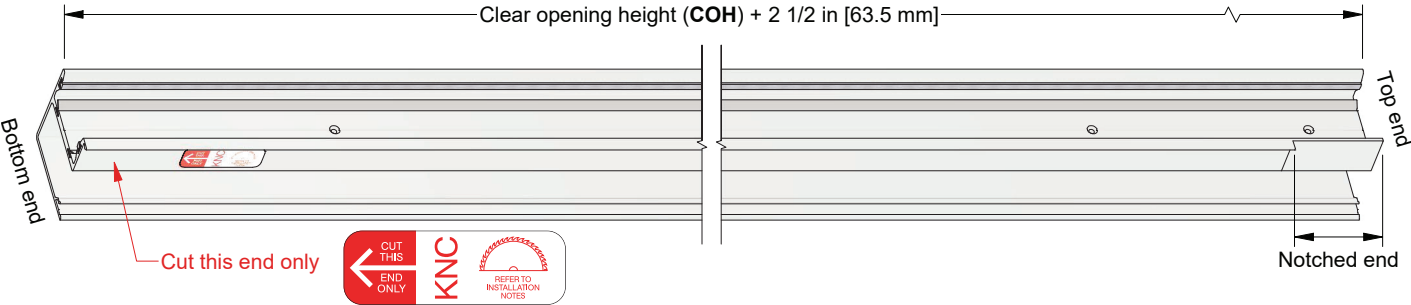
Install Fastener Cover

Snap **CS-FC** Fastener Cover Vertical into **CS-JB** Jamb Base, as shown below. If Fastener Cover Header feels loose when installed, use pliers to gently crimp legs at multiple points along their length to create a more secure fit. Take care not to over-crimp, as they may affect alignment.



Step #12:
Installing Strike Cover

Components required:



CS-SC Strike Cover (1)

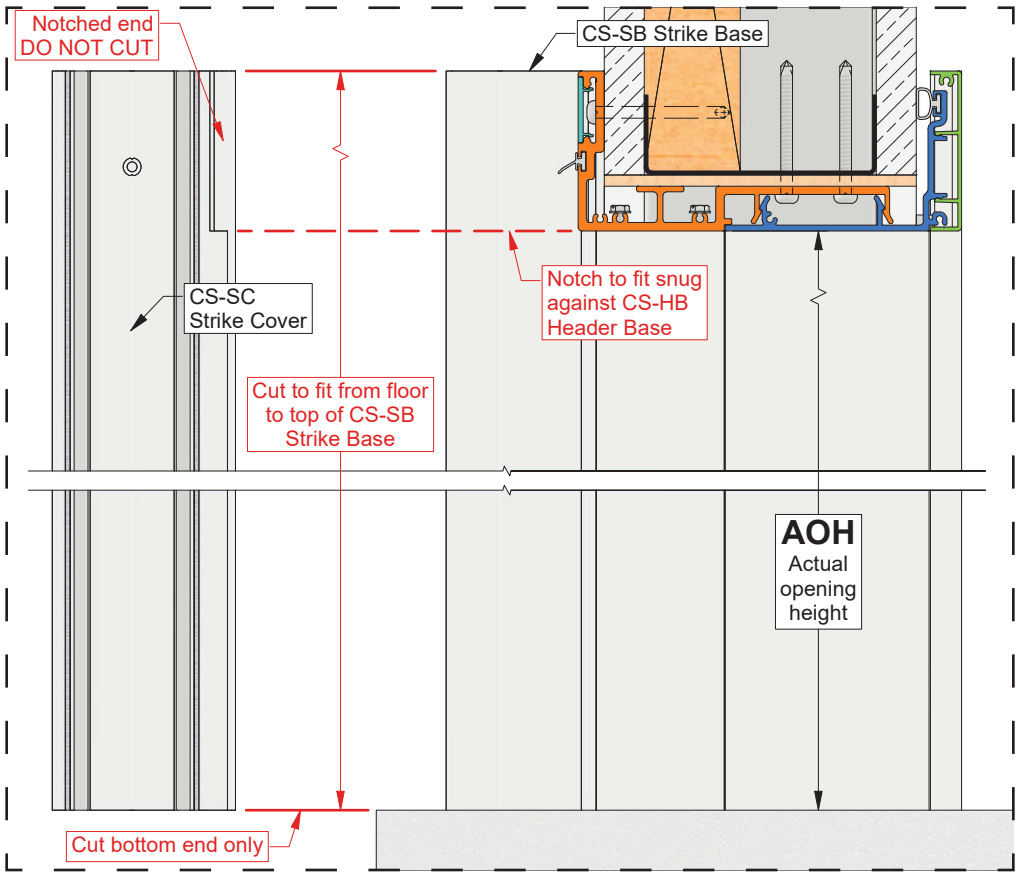
Check Length

Strike Cover is pre-cut to match length of CS-SB Strike Base and should not require additional cutting unless a Scribe was ordered or on-site adjustments were made in **step #2**.

Measure and cut (if necessary)

If required, cut bottom end (opposite notched end) to match overall length of CS-SB Strike Base.

Note: Do not cut notched ends, as it is essential for proper installation of complete jamb system.



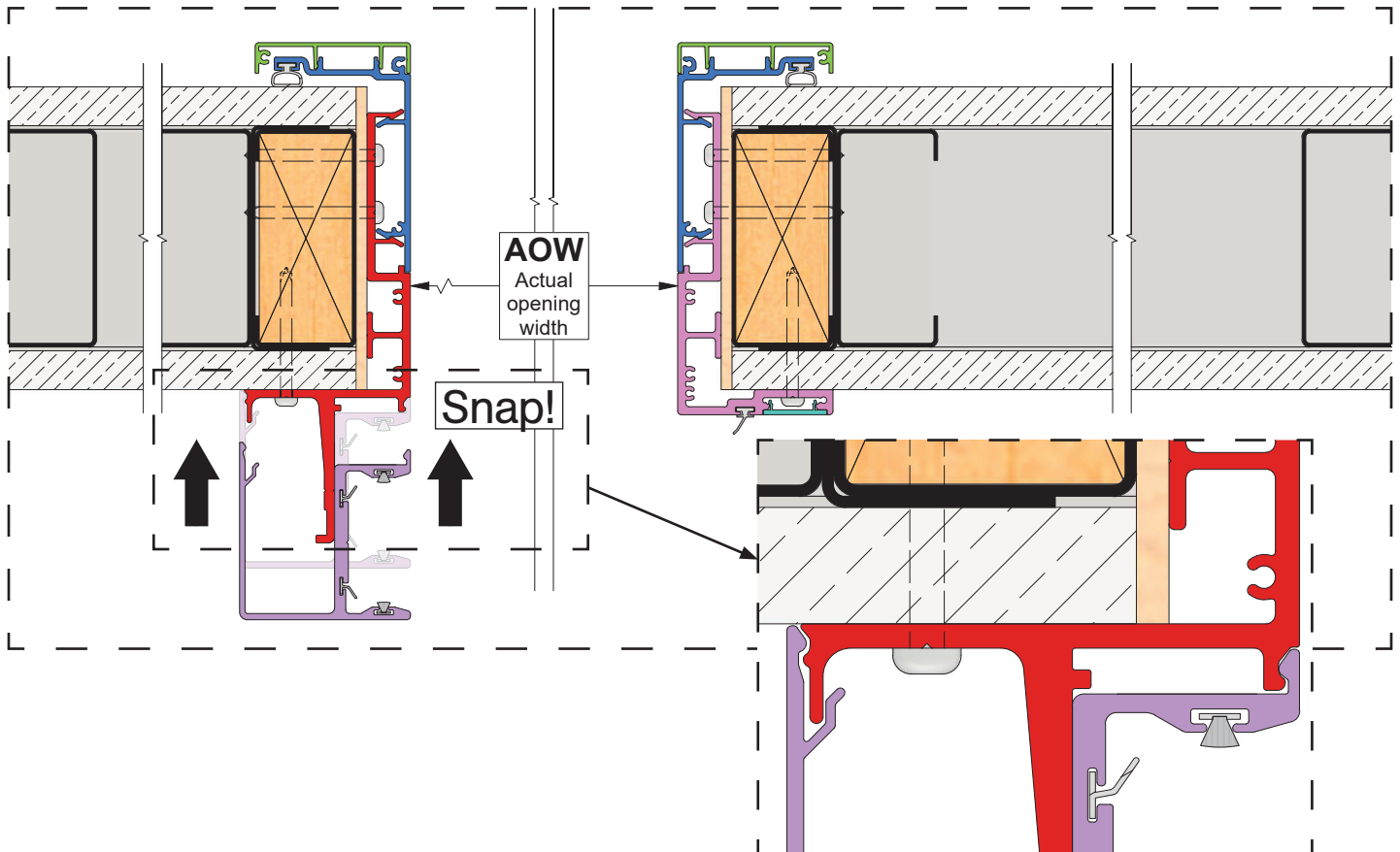
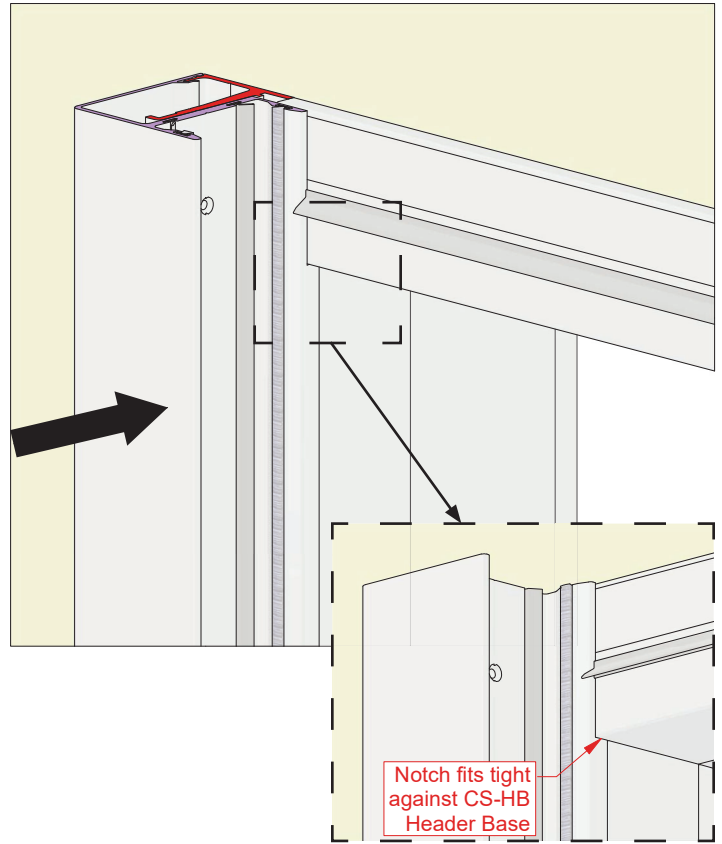
Install Strike Cover

Ensure notched end fits tight against **CS-HB** Header Base. Snap **CS-SC** Strike Cover onto **CS-SB** Strike Base. A rubber mallet may be used to assist with snapping cover on, but take care not to damage, deform, or scratch parts.



Cut Gasket and Pile Inserts

Ensure gasket and pile inserts are flush with floor end of strike cover. If inserts are too long, cut excess material from top end only.



Step #13:

Secure Strike Cover

Components required:

 **(CSF4) #6-32 x 1" Flat Head
Type F Screws (6)**
[FT60]

Pre-Drill Strike Base

Strike Cover comes with pre-drilled and countersunk holes in middle of strike channel. Using a $\varnothing 1/8$ in [3 mm] drill bit, pre-drill through center of these holes into **CS-SB** Strike Base flange behind. This will allow #6-32 x 1" Flat Head Type F Screws [FT60] to self-tap and secure cover.

Note: If pre-drilled holes are too large, screws will not self-tap properly.

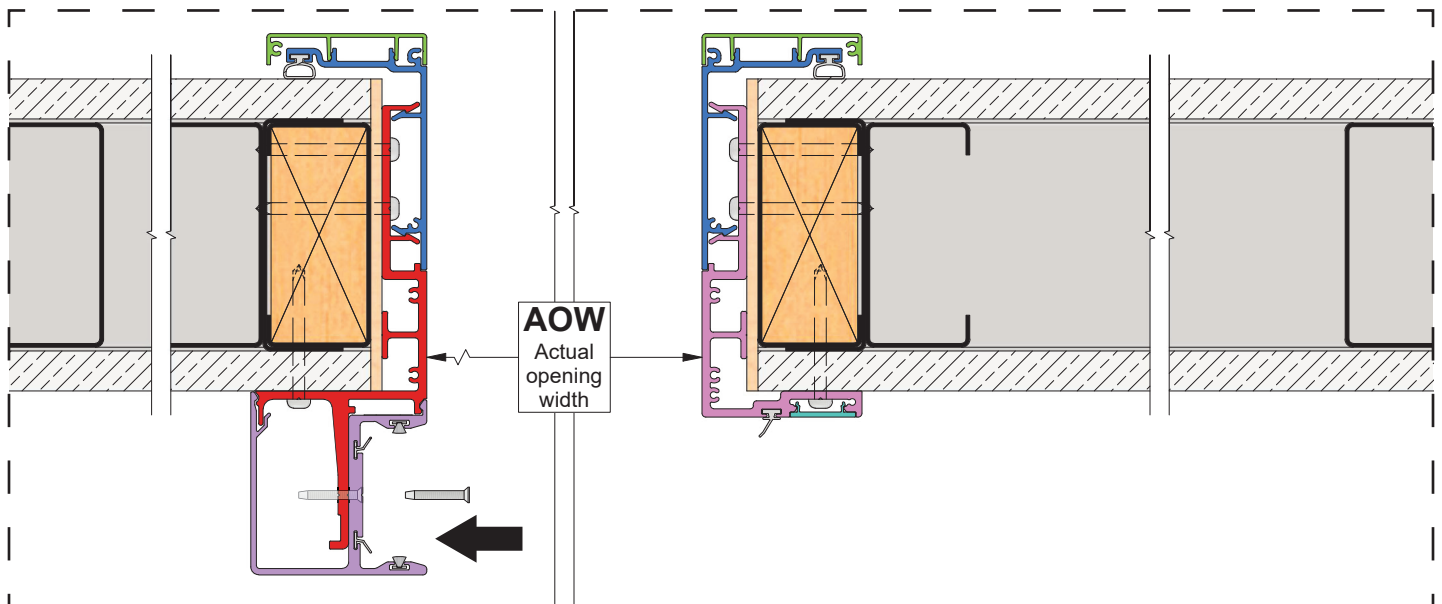
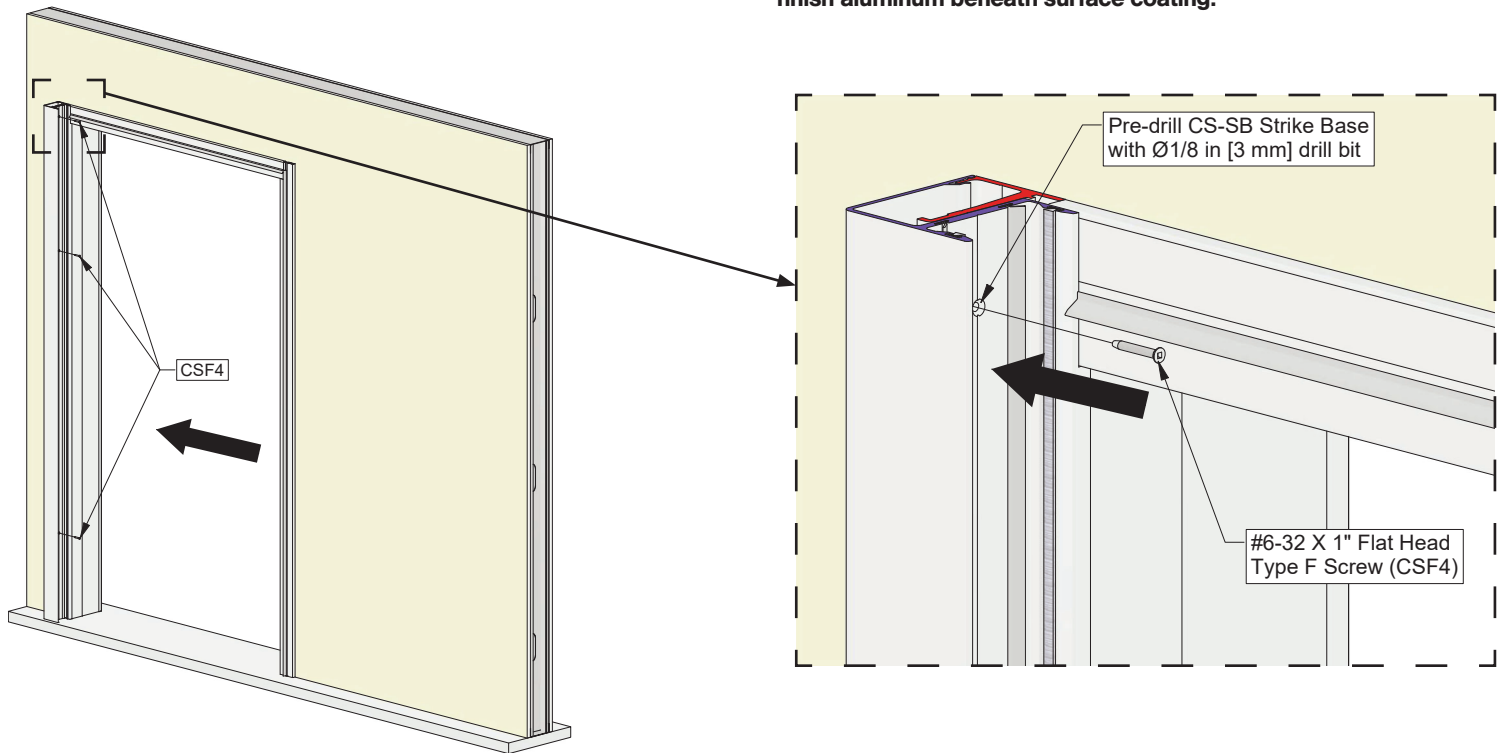
Secure Strike Cover

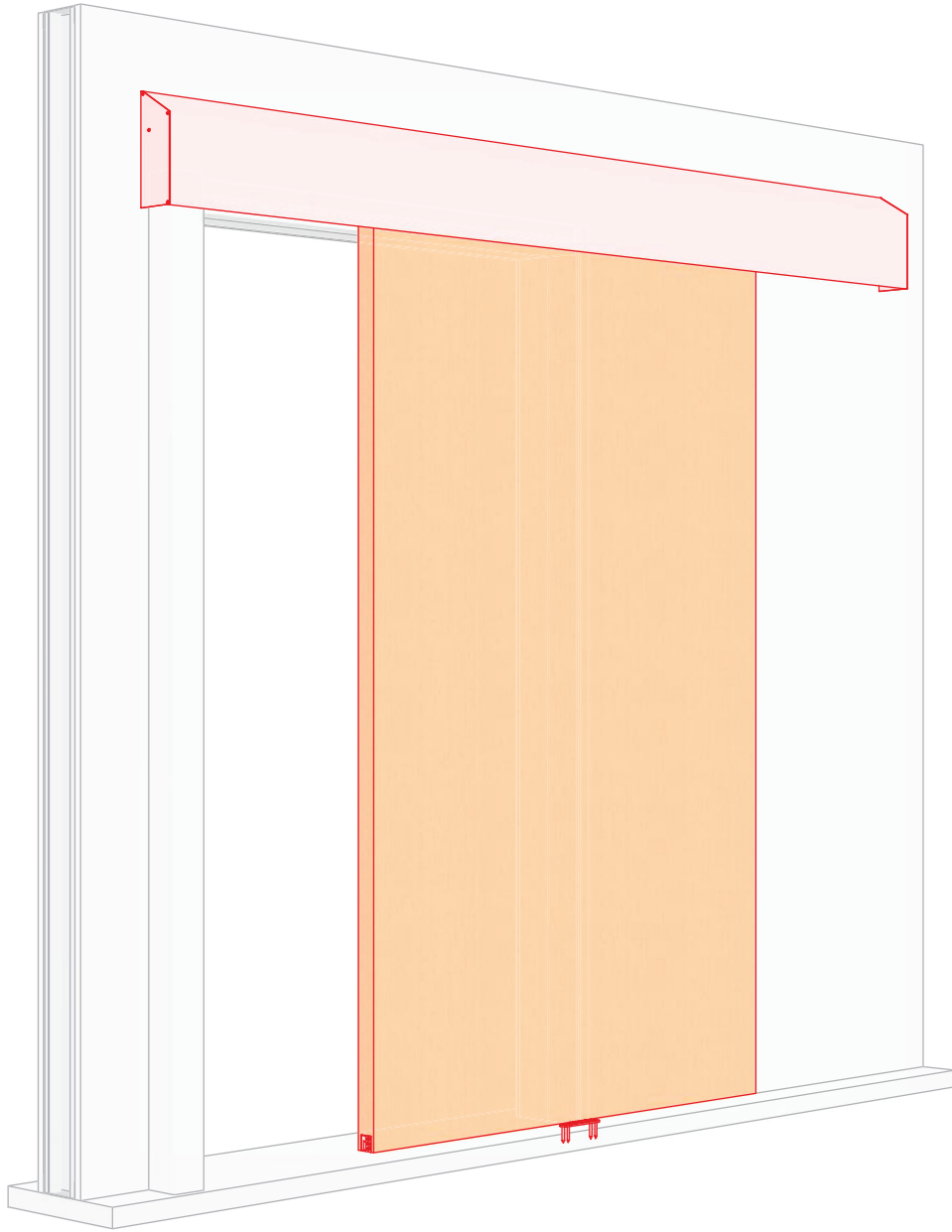
Secure Strike Cover to **CS-SB** Strike Base using #6-32 x 1" Flat Head Type F Screws [FT60].

Optional Additional Screws

For added security, remainder of supplied screws can be installed.

Note: Avoid over-countersinking. Doing so may expose raw mill finish aluminum beneath surface coating.





See **Part 2 of 2** for next steps