

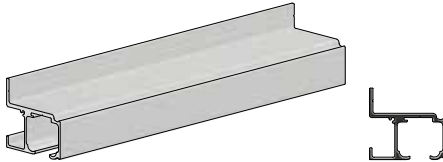
C-412/C-413

Installation Instructions

KNC

- Top mount hanger with 3/4 in [19.1 mm] adjustment range
- Precision ground ball bearings with nylon wheels
- Cycle tested up to 150,000 times
- Side mount track
- For up to 150 lbs. [68 kg] doors
- Optional snap-on fascia (C-413) and end caps (C-414)

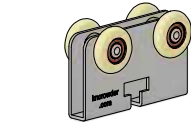
Parts' List



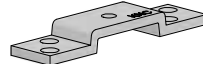
C-412 Side Mount Track x length (1)

Length = 2 x door width, example:

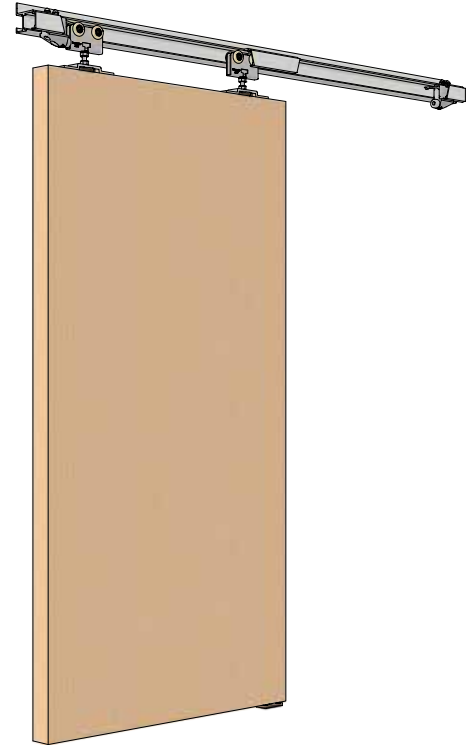
36 in [914 mm] door = 72 in [1829 mm] track



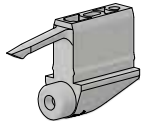
C-411 Hanger Body (2)
c/w wheels



C-411 Top Plate (2)



Complete C-412-W kit illustrated.
Cut-outs in track to expose components.



CDC-412 Catch/Stop (2)



#10 x 2-1/4" Self-Drilling Screw (4)
[FT6]



C-411 T-Bolt (2)



C-411 Spinwheel Nut (2)



#10-24 Acorn Nut (4)
[FT42]



#10-24 x 1-3/4" Machine Screw (4)
[FT46]

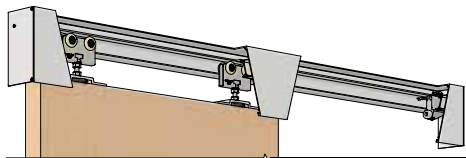


5/16-18 K-Lock Nut (4)
[FT17]

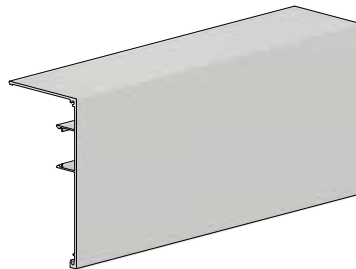


#10 x 1-3/4" Flathead Screw (8)
[FT9]

Optional Add-on Products



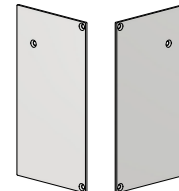
Complete C-413-W kit illustrated.
Cut-outs in track to expose components.



C-413 Snap-on Fascia x length (1)

Length = same as track length, example:

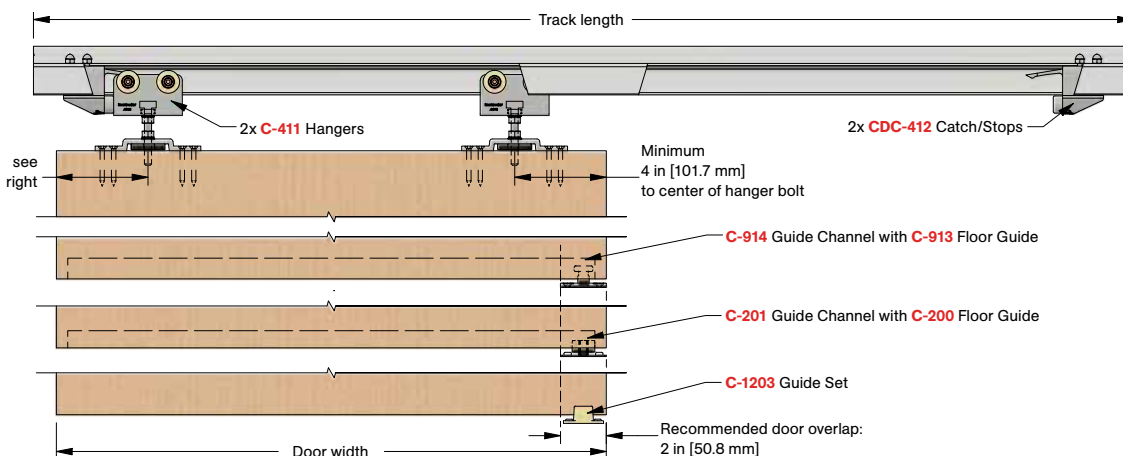
72 in [1829 mm] track = 72 in [1829 mm] fascia



C-414 End Cap (2)
Left and right

#4 x 5/16" Flathead Screw (6)
[FT29]

Elevation View

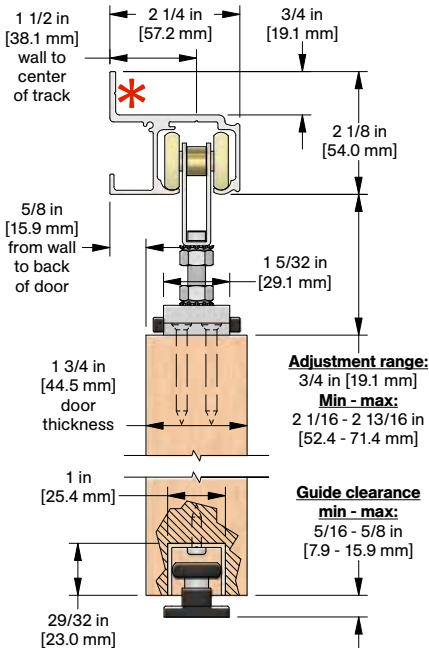


Product Details and Dimensions

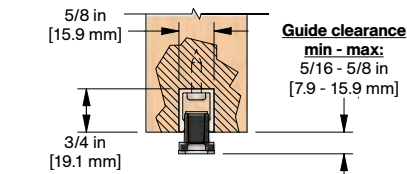
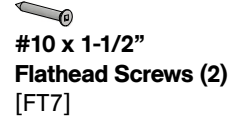
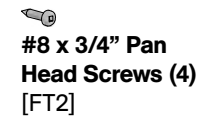
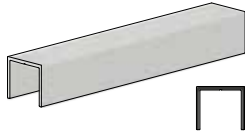
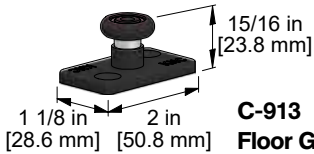
Section View

* Indicates mounting flange on C-412 Track

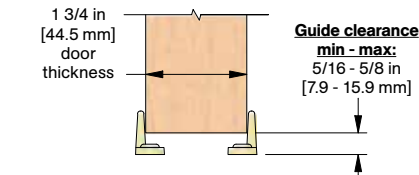
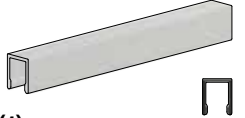
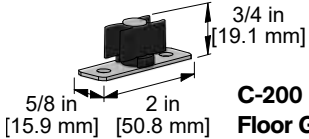
C-413 Snap-on Fascia illustrated as solid black profile



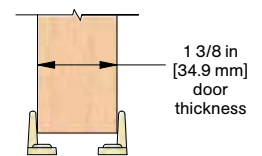
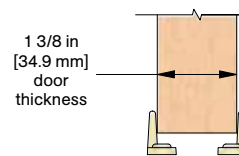
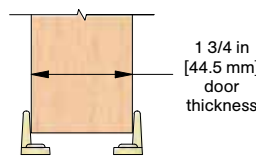
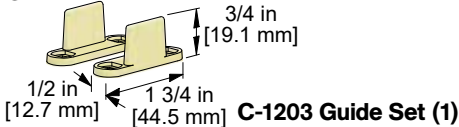
C-412-W



C-412-B

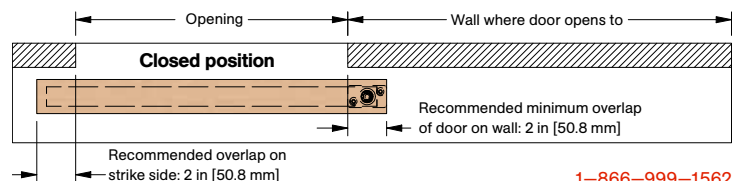
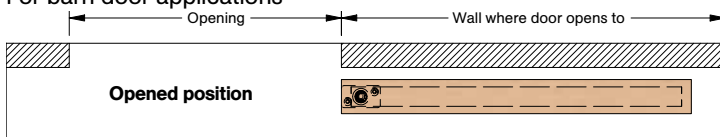


C-412



Typical installation location for floor guides

For barn door applications



Installation Steps

Step #1:

Determine door size, header height, track position and bottom clearance based on the kit code ordered by using dimensions shown in detail views on previous page.

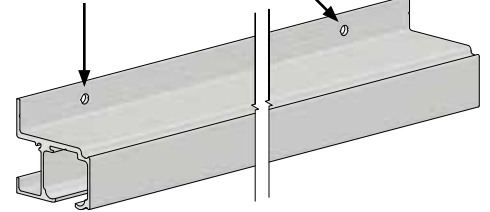
Step #2:

Note: If access to the ends of track is not available, step #3 must be completed before step #2.

Cut C-412 aluminum track to size if required, typically 2 x the door width. Locate and pre-drill holes in mounting flange on track. Secure track to structural support/backing.

Note: Solid backing is required. Recommended to use Ø5/16 in lag or structural bolts to secure track. Spacing is recommended to be between 12-16 in [300-400 mm] on center. Consult structural engineer to ensure adequate support and fastening.

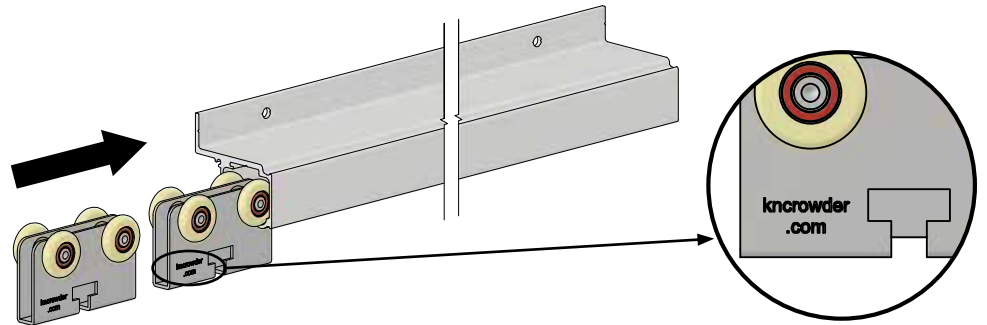
Holes not provided. Must be located and drilled by installer.



Step #3:

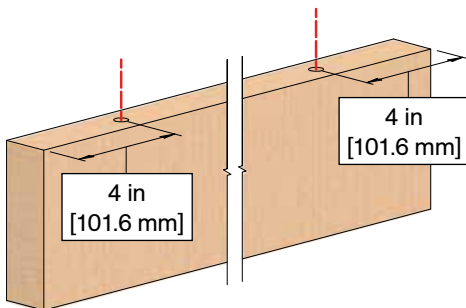
Slide two (2) C-411 Hanger Bodies with wheels into track as shown right.

Note: Ensure “kncrowder.com” text on hanger bodies both face same side as shown.



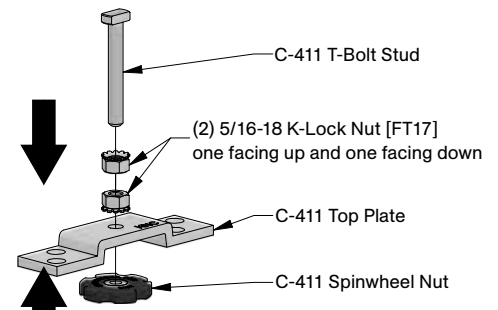
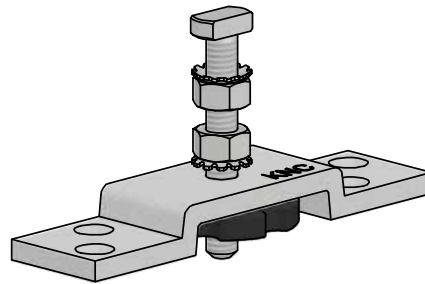
Step #4:

Locate center of clearance hole/top plate on top of door and drill a Ø1/2 in [12.7 mm] clearance hole at least 2 in [50.8 mm] deep as shown.



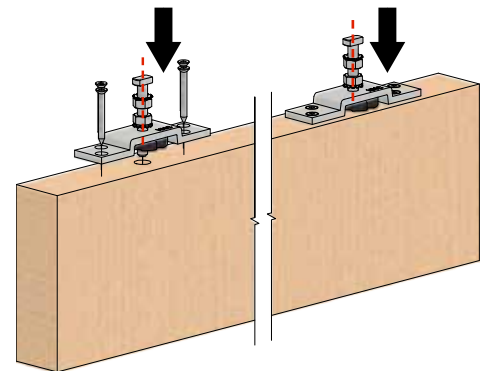
Step #5:

Assemble C-411 Top Plate assemblies as shown. 2 assemblies required:

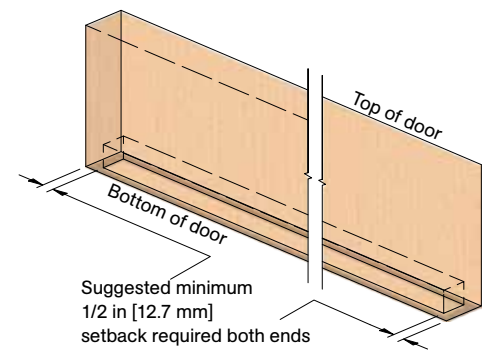


Step #6:

Place assemblies from **step #5** on top edge of door with t-bolt placed into clearance hole. Mark screw hole locations and pre-drill Ø1/8 in [3.2 mm] holes at least 1 1/2 in [38.1 mm] deep. Secure with (4 per hanger) #10 x 1-3/4" Flathead Screws [FT9].



Note: If door has sufficient overlap, guide channel can be recessed into door without cutting a full-length slot in door. If guide channel will be fully recessed, it is recommended to have at least 1/2 in [12.7 mm] door material at each end of door before start of guide channel slot.



For C-412

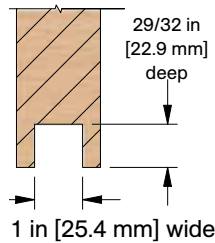
Steps #7 and 8:

No guide channel prep or installation required.

For C-412-W

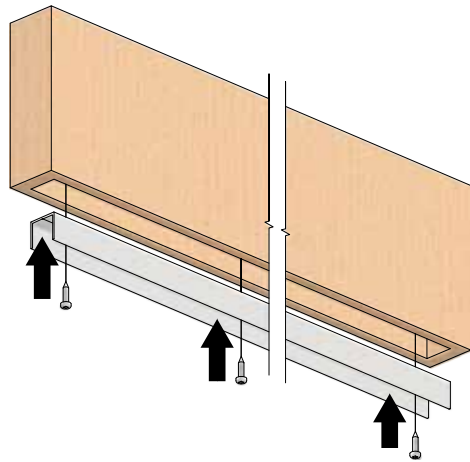
Step #7:

Prepare C-914 Guide Channel Slot in bottom of door:
1 in [25.4 mm] wide in center of door,
29/32 in [23 mm] deep and set back
1/2 in [12.7 mm] from both edges of
door. It is recommended to make slot as
accurate as possible for secure fit and
neat appearance.



Step #8:

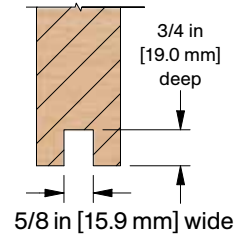
Cut C-914 aluminum guide channel to correct length as required.
Drill holes in C-914 Guide Channel and pre-drill holes in door. Locate
C-914 Guide Channel in slot and secure channel into place with
(4) #8 x 3/4" Pan Head Screws [FT2].



For C-412-B

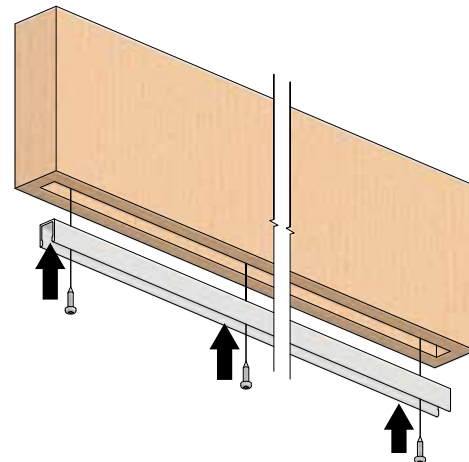
Step #7:

Prepare C-201 Guide Channel Slot in
bottom of door:
5/8 in [15.9 mm] wide in center of door,
3/4 in [19.1 mm] deep and set back
1/2 in [12.7 mm] from both edges of
door. It is recommended to make slot as
accurate as possible for secure fit and
neat appearance.



Step #8:

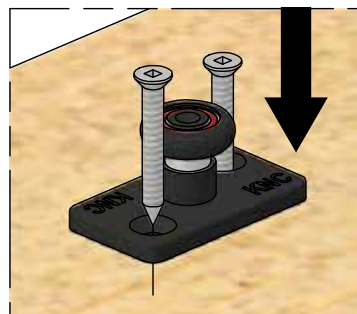
Cut C-201 aluminum guide channel to correct length as required.
Drill holes in C-201 Guide Channel and pre-drill holes in door. Locate
C-201 Guide Channel in slot and secure channel into place with
(4) #8 x 3/4" Pan Head Screws [FT2].



For C-412-W

Step #9:

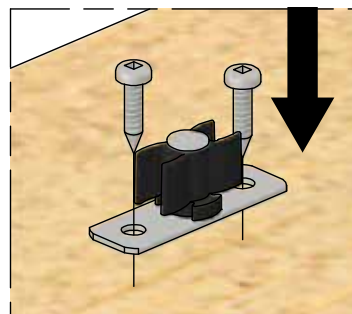
Position C-913 Guide per typical installation
location details and secure to floor with
(2) #10 x 1-1/2" Flathead Screws [FT7].



For C-412-B

Step #9:

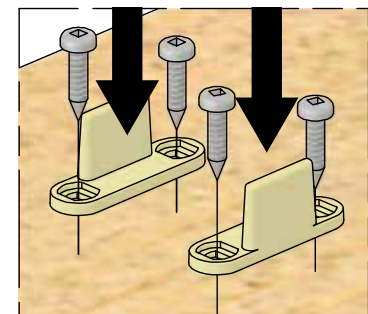
Position C-200 Guide per typical installation
location details and secure to floor with
(2) #8 x 3/4" Pan Head Screws [FT2].

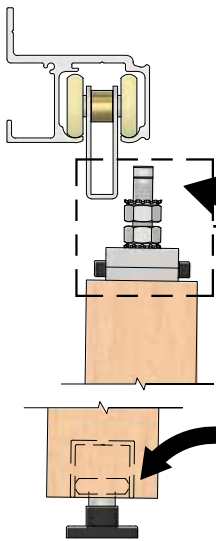


For C-412

Step #9:

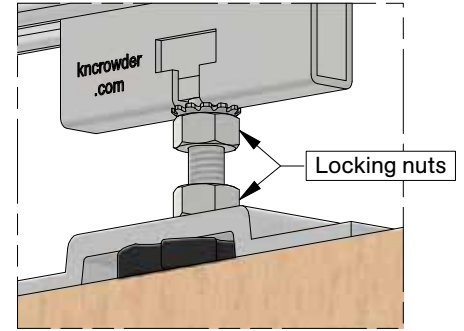
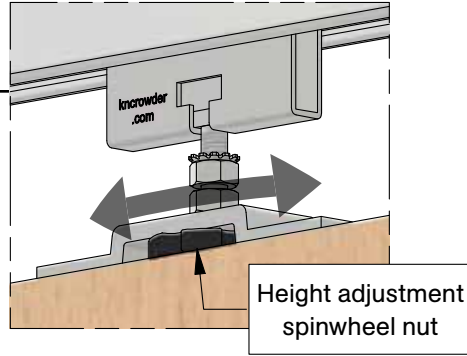
Position C-1203 Nylon Guide Set per
typical installation location details and
secure to floor with (4) #8 x 3/4" Pan Head
Screws [FT2].





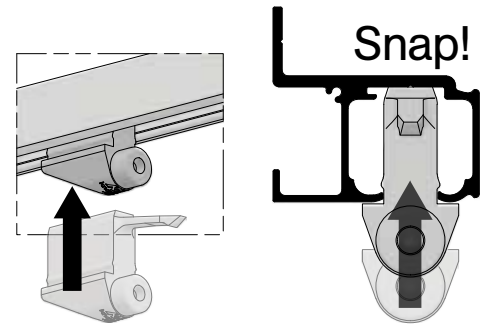
Step #10:

Raise door, position over guide and under C-411 Hanger Bodies in track. Lift door up and engage t-bolt with t-slot on C-411 Hanger Bodies. Adjust door height and plumb using spinwheel nuts on top plate assembly lock final height adjustment with 5/16-18 K-Lock Nuts [FT17] using 1/2 in wrench.



Step #11:

After door has been installed, snap CDC-412 Catch/Stops into each end of track with bumpers facing towards center of track. Once snapped into track, CDC-412 Catch/Stops should be free to slide within track.



Step #12:

Position door approximately 5-10 in [127-254 mm] away from final position at one end, shown right with left side. Push loose CDC-412 Catch/Stop against hanger and engage it with hanger. Bumper should be against hanger body.



Step #13:

With CDC-412 Catch/Stop loose, slide door to final/desired position of door.

Note: Ensure that strike and trim thickness are taken into consideration for final/desired position of door.



Step #14:

Once final position is achieved, mark outside edge of CDC-412 Catch/Stop as shown below, disengage CDC-412 Catch/Stop from hanger and slide door back. Position CDC-412 Catch/Stop at mark and pre-drill Ø3/16 in hole in oblong hole and secure with one (1) #10 x 1-3/4" Machine Screw [FT46] and one (1) 10-24 Acorn Nut [FT42].

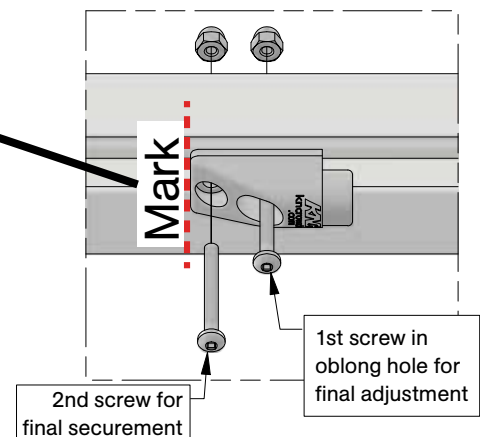
Recheck door position and adjust CDC-412 Catch/Stop if necessary before securing by pre-drilling and with machine screw and acorn nut in second hole. (4) #10 x 2-1/4" Self-Drilling Screws [FT6] are supplied for alternative securement of CDC-412.

Note: Remove any drill fillings from inside of track as this will affect operation of sliding door system.

Step #15:

Repeat steps #12 - 14 for opposite CDC-412 Catch/Stop.

Note: Ensure that strike and trim thickness are taken into consideration for where door will be in final position.



Optional C-413 Fascia Installation

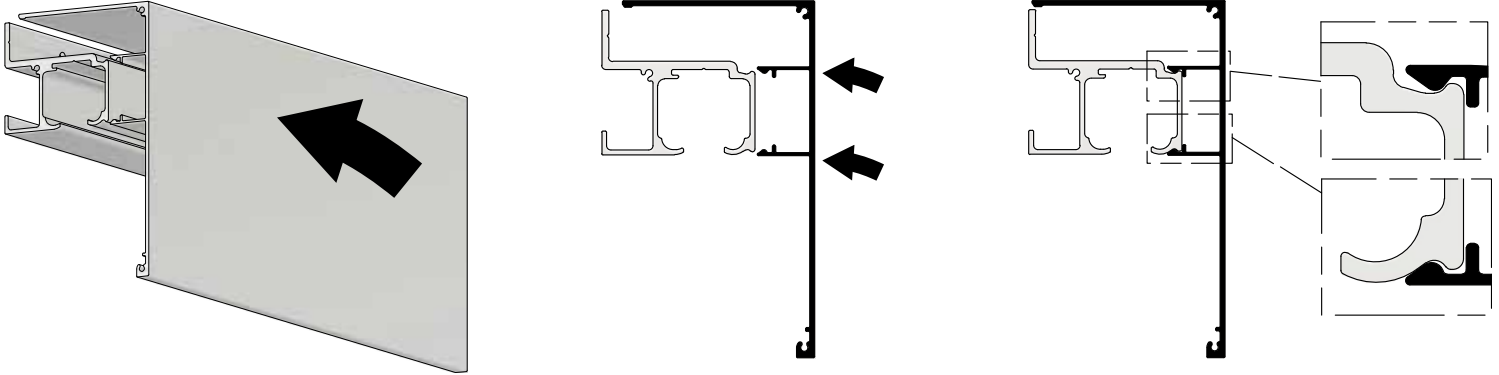
Step #F1:

Cut C-413 Fascia to correct length as required. Typically, fascia is same length as track previously installed.

Step #F2:

Lift fascia up to track and snap on as shown.

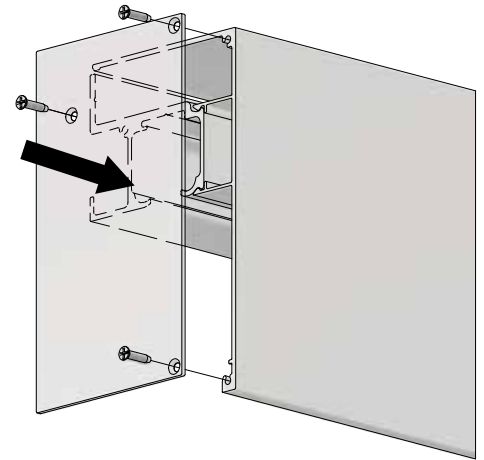
Note: If fascia is loose and a tighter fit is desired, use a rubber mallet on inside leg of fascia to reduce gap at ± 24 in [610 mm] intervals.



Optional C-414 End Cap Installation

Install C-414 End Cap as shown to the right with the supplied #4 x 5/16" Flathead Screws [FT29], 3 screws per end cap provided.

Note: Do not install with impact driver.



Top Plate Template

