



Serenity
Sliding Door Systems

Surface Mount **Install Manual**

Thank you for choosing Serenity Sliding Door Systems

This guide covers the installation of Serenity Sliding Door Systems® Surface Mount Systems. For information on our other systems, please contact us.

Contact Information

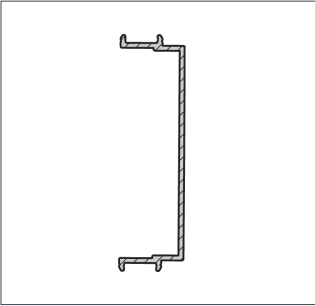
We're happy to help troubleshoot any issues that arise during installation. For assistance, please reach out to the email below with details on your situation.

Support@SerenitySlidingDoor.com

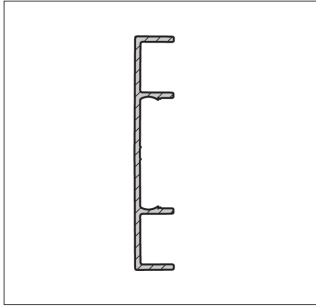
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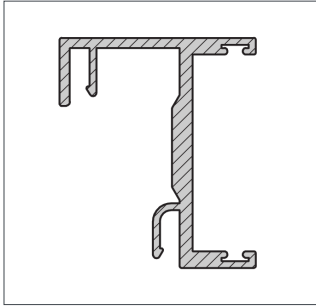
Parts Overview



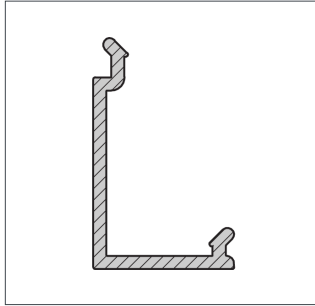
Cased Opening Frame
Attaches to Rough Opening



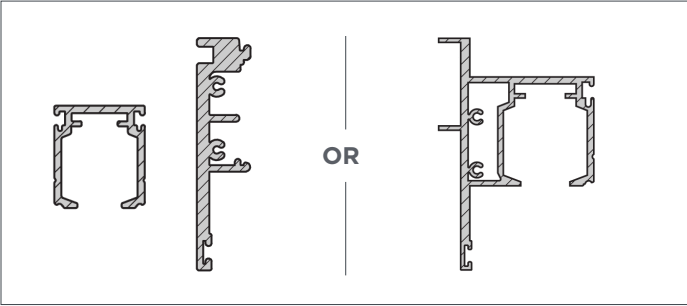
2" Snap-On Trim
Attaches to Cased Opening



Receiving Channel
Attaches to Leg Trim

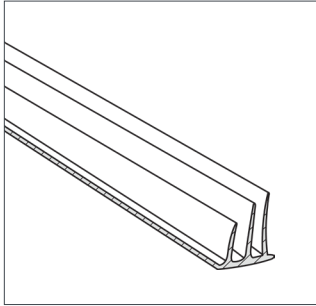


Rec. Channel Cover
Attaches to Rec. Channel

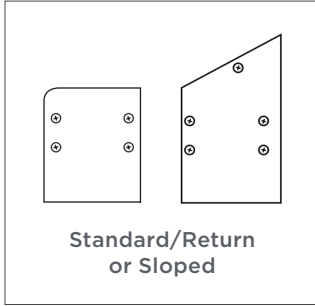


Track & Backer
Attaches to Header Trim

Integrated Backer
Attaches to Header Trim

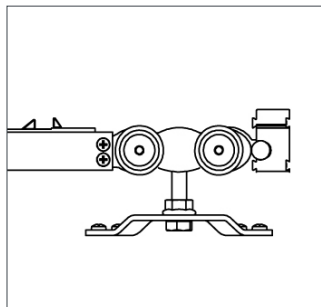


Sound Gasket
Attaches to Back of Door

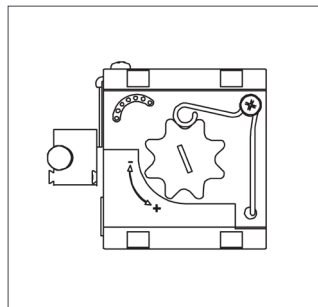


Endcaps
Attaches to Valance

Closing Options:

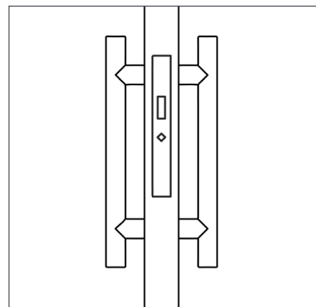


Soft Close

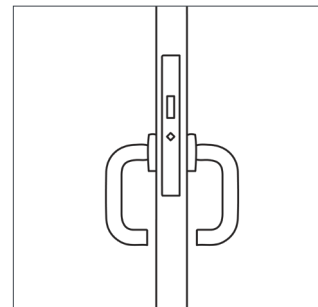


Spring Close

Handle Options:

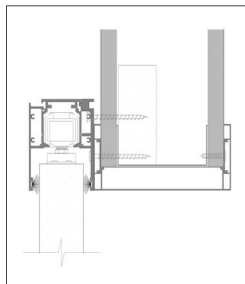


Ladder Pull

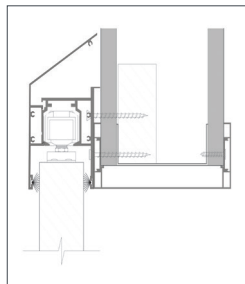


Lever

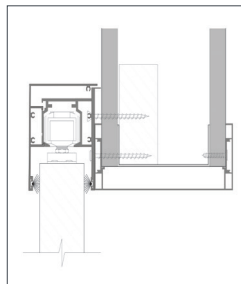
Valance Options:



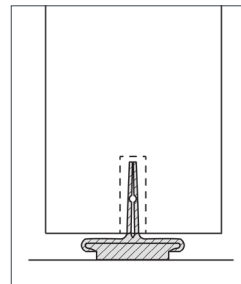
Standard



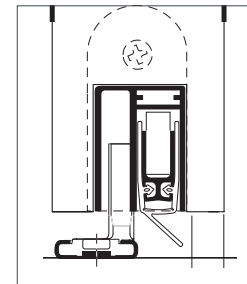
Sloped



Return



Floor Guide



Auto Door Bottom

Screws Included:



All parts should be inventoried upon receipt. Any shortages must be reported to Serenity in writing within five business days from the received date.



#8 X 2 3/8"

Backer Screw (Aluminum)

Used to mount Backer to the face of the Cased Opening Frame Header



#10 X 1 3/4"

Hanger Bracket Screw

Replacement screw to mount door to Hanger Bracket



#8 X 1/2"

Strike Screw

Used to mount strike to Receiving Channel, Used ONLY when there is lock



Integrated Backer Systems Only



#9 X 2 1/2"

Backer Screw (Wood)

Used to mount Backer to the wall



#6 X 1 5/8"

Aluminum Frame Screw

Used to mount Cased Opening Frame to wall



#6 X 3/8"

Frame Corner Clips + Screws

Used to mount Corner Clips to Cased Opening Frame



#12 X 2"

Receiving Channel Screw

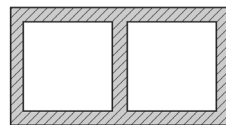
Used to secure the Receiving Channel to the Cased Opening Frame Leg



#5 X 5/8"

Endcap Screw

Used to secure Endcaps to Valance and Backer



2" X 0.625" X 0.325"

Backer Shim

Used to shim the space between the top of the Backer and the wall

Tools Required

Rubber Mallet

3' Level

6' Level

Small Laser Tool

Screw Gun and Drill - shaft with #2 insert bit

3/16" Drill Bit

1/4" Drill Bit

1/8" Drill Bit

Hex Head: 4" Long, 5/16" Diameter

Inflatable Air Shim

3mm Allen Wrench (for Soft Close triggers)

2.5mm Allen Wrench (for Soft Close stops)

#1 Phillips Screwdriver

#2 Phillips Screwdriver

Two 13 mm Open-end Flat Wrenches (no thicker than 1/4")

Rotohammer

1/4" Rotohammer Bit (1/8" Bit Used for Auto Door Bottom)

Utility knife

Ladder

Two 12-inch Clamps (if only one person installing door)

Caulk, caulk gun and additional drill bits may be needed for drilling the face preps on the doors, depending on what hardware is being used. Lock template should be included in lock packaging; if not, contact Serenity.

Preparation:

Verify Consistency Of Wall Thickness

Frames are ordered per the approved door submittal and rough openings should be consistent with the measurement specified within. This includes the wall thickness which should be consistent around the entire opening, any extra compound buildup at the headers or upper corners will need to be corrected prior to installation. If wall conditions are not within these tolerances, please notify the GC and Serenity or the distributor to correct the situation before attempting to install the Cased Open Frame. This a low tolerance product. If the wall is not built as specified, the Cased opening will not be able to be installed correctly.

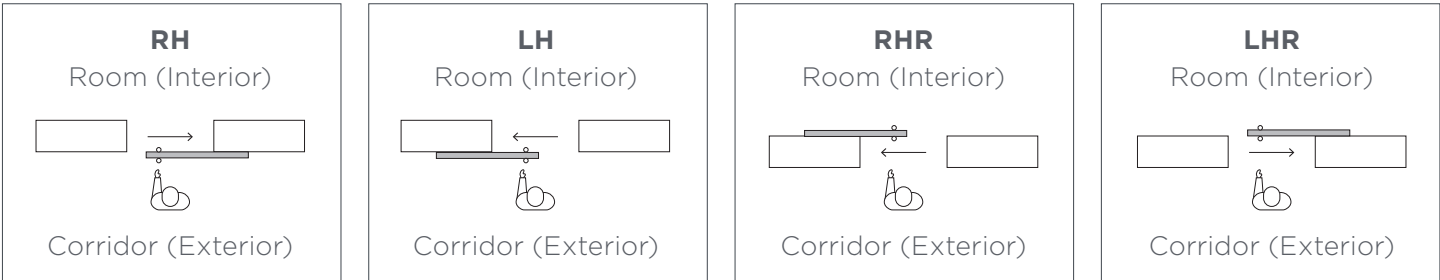
Verify R.O. and Backing Size

Verify rough opening size and wood backing per shop drawings.

Verify Sheetrock Size

Make sure all sheetrock is cut flush to the stud. Overhanging sheetrock will impede proper installation of the cased opening.

Door Handing Chart



Determine Installation Timing

Determine if frame is to be set before or after finished flooring. (In any case, the wood door should be set after finished flooring.)

These Are Your Options:

- Frame installed after finished flooring (preferred).
- Frame installed before finished flooring. This is necessary in some cases. For example, if vinyl flooring is to be coved up the wall, the frames need to be set prior to the flooring and a second trip may be required. In such a case, you will need to shim the bottom of the legs/jambs up off the floor to allow for finished flooring thickness.

A note about split flooring: If one side of the door is to be one type of flooring and the other side another, for example, vinyl and carpeting, or even two colors of the same material, position the back edge of the sliding door, not the centerline of the door, at the transition. The proper positioning is shown in the photo at right. When hanging the door, it should be positioned as close to the lower flooring as possible to provide maximum sound protection while still allowing easy opening and closing.

Flooring (Level)

Verify existing floor is level along the full run of the door (can be verified by Track length). If floor is out of level by more than $\frac{3}{8}$ " along that distance, possible issues include sound attenuation being lost and proper door functioning being inhibited.



Step 1: Set The Cased Opening Frame

A: Check the dimensions and square of the rough opening. Verify correct cased opening width per shop drawings. Make sure the wall is the proper height and width for the frame and is within tolerance.

B: Hold the Cased Opening Header along the top edge of the rough opening and center it in the RO. Then wrap it on over the wall.

Installer Note: Set the Cased Opening Header on the inside ledges of the snap-fit fins.

C: Hold one of the Legs/Jamb at an angle and slip the portion over the wall. Push upward to engage the Leg/Jamb to the header. Then push the rest of the Leg/Jamb over the wall.

Make sure the bottom of the Leg/Jamb is in contact with the floor, UNLESS you are installing the Frame before flooring has been finished. If installing the Frame before finished flooring, shim the bottom of Legs/Jamb up off the floor to the height of the finished flooring.

Installer Note: Level all the way throughout.

D: Install the second Leg/Jamb. If necessary, pull the header down to make contact with the Legs/Jamb. Use the four Corner Clips as a guide to help with the alignment of the header and the Legs/Jamb. The header will overlap the Legs/Jamb by approximately 5/8" on each side. Install Corner Clips.

Installer Note: Set the Leg/Jamb on the inside ledges of the snap-fit fins.

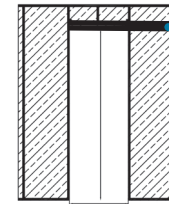


Figure A

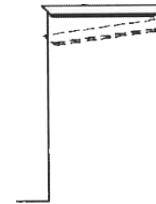


Figure B

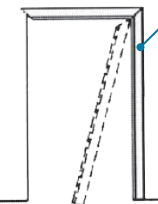


Figure C

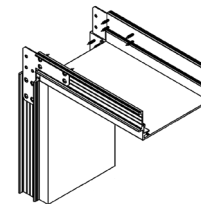


Figure D

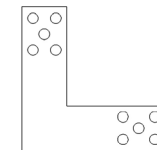


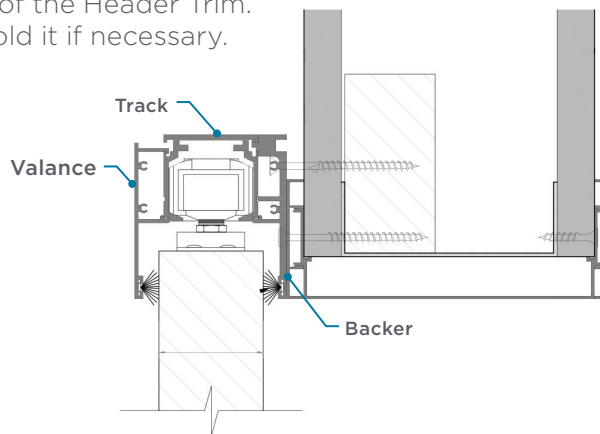
Figure D
Two Screws Per Side

Step 2: Install Trim

- A:** Center the trim header along the Cased Opening Header. Align the snap-on Trim with the channel on the Cased Opening Header.
- Installer Note:** Use Rubber Mallet to gently snap-on on trim. Make sure to only hit the center of the trim and start at top of leg to make sure it's aligned.
- B:** Align the Trim Legs with the Trim Header on the Cased Opening Channel. Repeat on reverse side.
-

Step 3: Install Backer

- A:** Align the Backer on the face of the 2" header Snap-On Trim. The Backer should be positioned to the edge of the Frame Leg Trim and bottom of the Header Trim. Install Backer Shims behind Backer. Use a quick clamp to hold it if necessary.
- B:** Predrill and use the provided Backer Screws to secure the Backer onto the face of the Cased Opening, starting with the bottom holes. The self-tapping Backer Screws (Aluminum) are used on the lower part of the Backer. Use the other Backer Screws (Wood) for the remaining top holes of the Backer.
- C:** Slip the Filler Trim behind the section of Backer where there is a gap between the wall and Backer, flush with the bottom of Filler Trim and Backer. Drill pilot holes (3/16"), using the existing holes in the Backer as guides, through the Filler Trim before attempting to screw in the Backer Screws.



Step 3 Detail



For systems that include an Integrated Backer, skip to step 5.

Step 3: Install Backer

D: Use the Backer Screws to hold both the Backer and the Filler Trim in place. If the Filler Trim is short, push it flush with the side opposite of the opening. Do not screw in the top screws until all the bottom ones are secured. Before tightening the top screws, put 3/8" Backer Shims behind the top of the Backer, next to each of the screws. This prevents the tightening of the screws from warping the shape of the Backer.

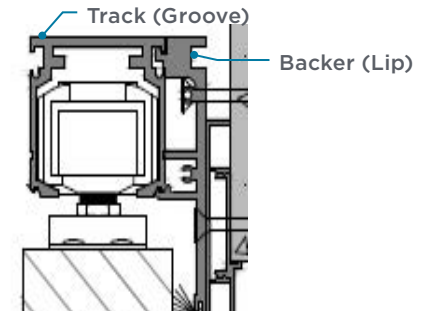
Installer Note:

- Self-drilling screws are used on lower part of Backer that goes into the cased opening frame only.
- Use wood screws on the remainder of the Backer.
- Have solid side of Filler facing Backer.
- Use shims for top screws of Backer.
- Any gap involving filler should be next to frame.

Step 4: Install Track

Snap in the Track. You may need a rubber mallet to do this. Hold the Track at a 45-degree angle to the Backer so that the groove at the top of the Track is positioned to roll into a lip in the Backer (see drawing). Using the rubber mallet, hit the Track at the top of the face to snap into place. Hitting the Track at the bottom of the face, or with too much force, will warp it and may cause the Wheel Sets to malfunction. Start on one end and work your way to the other.

Installer Note: When putting Track onto Backer, do not hit lower part of track face with mallet as track will bend.



Step 4 Detail NTS

Step 5: Install Receiving Channel

Raise the Receiving Channel up to the bottom of the Backer and shim underneath if necessary. Hold the pre-drilled Receiving Channel flush with the face of the cased opening leg/jamb and secure with self-tapping Receiving Channel screws.

Installer Note: Predrill Receiving Channel Holes into Trim prior to installing screws. Serenity logo indicates top of receiver channel.

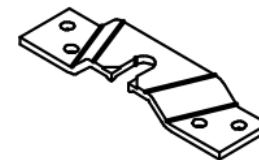


Step 5 Detail

NTS

Step 6: Install Hanger Brackets & Hang Door

- A:** Hanger bracket holes should be predrilled on the doors from Serenity. Use predrilled holes to mount brackets. If holes are not predrilled from factory, proceed to Step B.
- B:** Cut out the “Door Screw Template” located beside the next page (Page 17). Set the door on the floor along one long edge. Note that the bottom edge of the door has a groove in it. Starting at one corner that will be an upper corner of the door, measure along the top edge of the door. Do the same on the opposite end of the top edge for the second Hanger Bracket.
- C:** Center the Hanger Bracket on your mark. Double-check that the Hanger Bracket is centered in the 1 3/4” thickness of the door. Use the provided Hanger Bracket Screws to secure the Hanger Bracket. It is important to note the handing of the door so that the open face of the Hanger Bracket will face the cased opening / wall when the door is hung.



The open face of the Hanger Bracket needs to face the Cased Opening/Wall when the Door is hung.

Installer Note: Center the Hanger Bracket in the 1 3/4” thickness of the door.

For systems that include a Spring Close, install an extra Hanger Bracket Screw in the center of the door on the leading edge of the Hanger Bracket. This will be used to hook the Spring Close cable.

Step 6: Install Hanger Brackets & Hang Door

D: Place the adhesive-backed gasketing 1/4" in. along the back edge of door that faces wall. Be sure the largest fin is closest to the edge of the door. Do not stretch the gasketing as you place it or it will fall off later.

E: Using the inflatable air shim, lift the door up to the Hanger Bolts and slide the bolts into the Hanger Bracket.

Installer Note: The Hanger Bracket can be adjusted to raise or lower the door. Contact Serenity for accommodations if more adjustments are needed. Before setting door, align soft closes with top of hanger brackets.

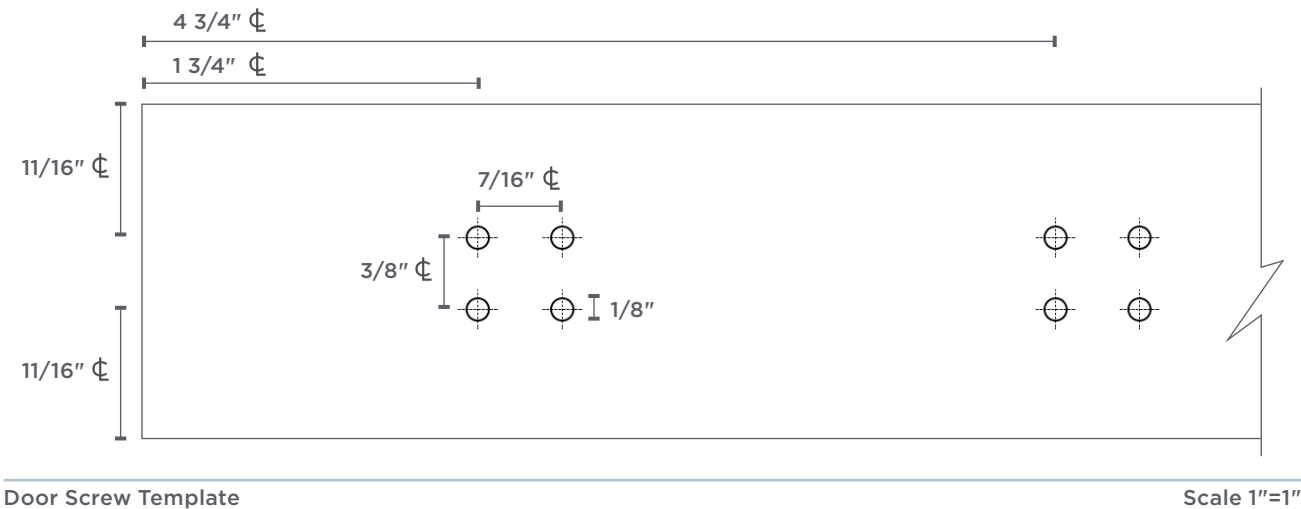
F: "Reveal" or align the door, adjusting the height of each Hanger Bracket Bolt as needed. The door needs to be plumb with the Receiving Channel and centered between the strips of felt at both sides of the channel. Double-check the bottom clearance: make sure the bottom of the door is not too low or too high off the floor—1/4" to 3/8" from the floor is optimal. The door needs to be as low to the ground as possible, with just enough clearance for the Floor Guide Channel.

Installer Note: Do this step after finished flooring is in place.

Door Screw Template

If needed, remove the page to complete Step 6.

Screw preparation to be 1 1/4" deep by 1/8" diameter.



Prep to be performed on both ends of the door

Step 7: Position the Floor Guide

A: Mark the floor to position the Floor Guide Channel:

- Begin with the door in the closed position, all the way inside the Receiving Channel. Mark on the floor at the back edge of the door (i.e., the end of the door not in the Receiving Channel), just below the center of the groove visible at the door's bottom edge.
- Open the door a couple of inches out of the Receiving Channel.
- Swing the door out at an angle to the wall, wedging your rubber mallet between the door and the jamb/leg trim to hold the door out of the way.
- Standing behind your mark on the floor, use your laser to shoot a straight beam along the floor over the dot and into the center of the Receiving Channel. Trace the 2" of laser line that is right in front of the jamb/leg trim.

B: Position the Floor Guide Base in the path of the laser lined up with the beam. Mark the position of the screw holes on the flooring, then drill with a 1/4" rotohammer drill bit. Insert the Floor Guide Anchors into the holes.

Installer Note: Skinny Floor Guide Channel with small set screw.
1/4" x 12" rotohammer bit. If using an Automatic Door Bottom, see Step 8:D.

Floor Guide Base —●
Position this end toward
the front, closer to the
Receiving Channel.



Step 7: Position the Floor Guide

- C:** Place the base over them with the more horizontal hole positioned at the front, closer to the receiving channel. (This will make it easier to make slight adjustments later). Screw the Floor Guide Base to the floor.
- D:** Before positioning the Floor Guide Channel, insert the small Allen screw (set screw) in one end of the channel, as shown. Screw it in with a 2 mm Allen wrench until the outside of the screw is flush with the edge of the guide. This makes the guide slightly wider so the door won't have too much play.
- E:** Remove the mallet that was wedged in at the center of the door to hold the door out at an angle.
- F:** Slide the door closed, then slide the Floor Guide Channel into place over the Floor Guide Base. Position the Channel with the Allen/set screw facing toward the back of door.

Floor Guide Channel
with Allen screw in place.



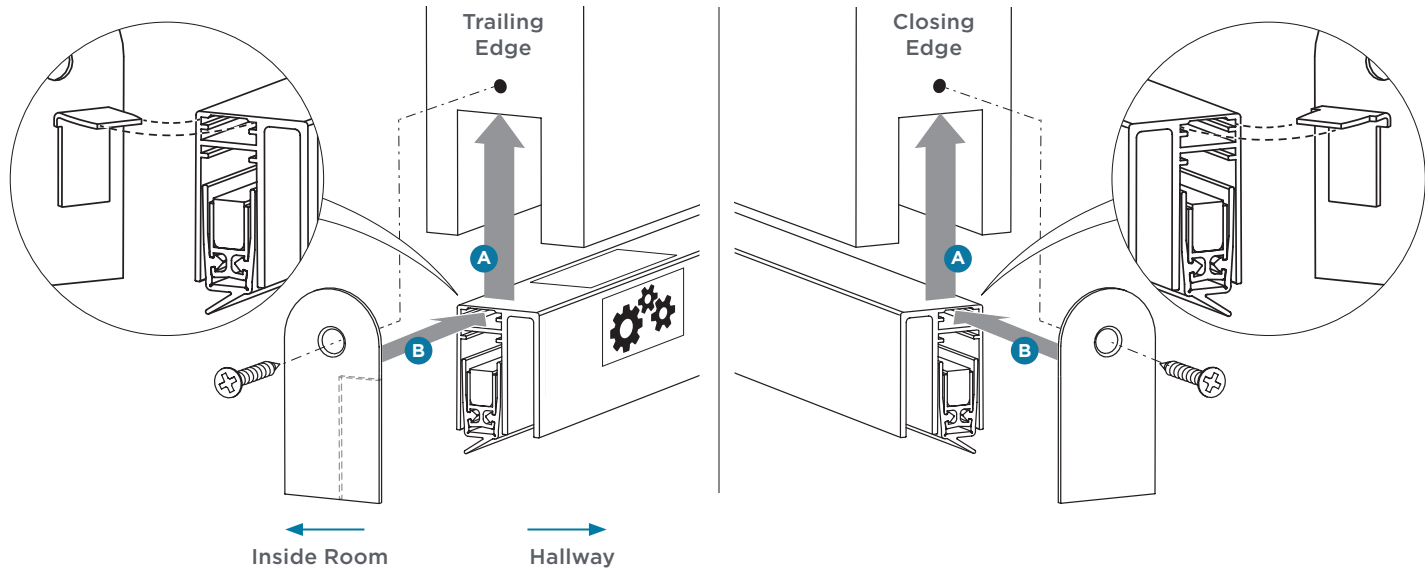


For systems that include an Automatic Door Bottom, proceed to step 8. If your system is not configured to include this part for sound attenuation, skip to step 9.

Step 8: Install Auto Door Bottom

A: Insert the seal noting the handing of the door. The drop seal should face the inside of the room with the floor guide channel towards the corridor.

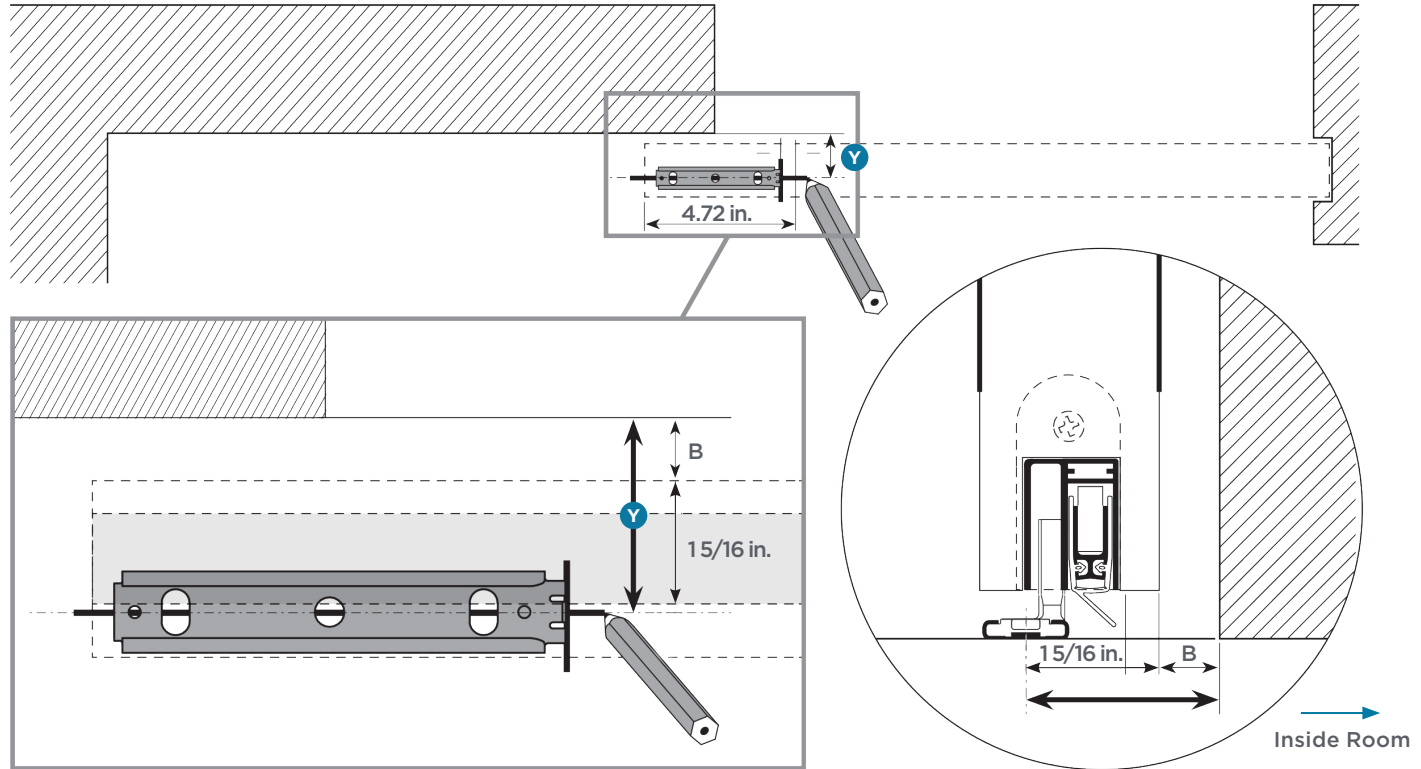
B: Fix the angle bracket. Mark and drill pilot hole.



C: Push floor guide to trigger drop seal. Mark position of floor guide.

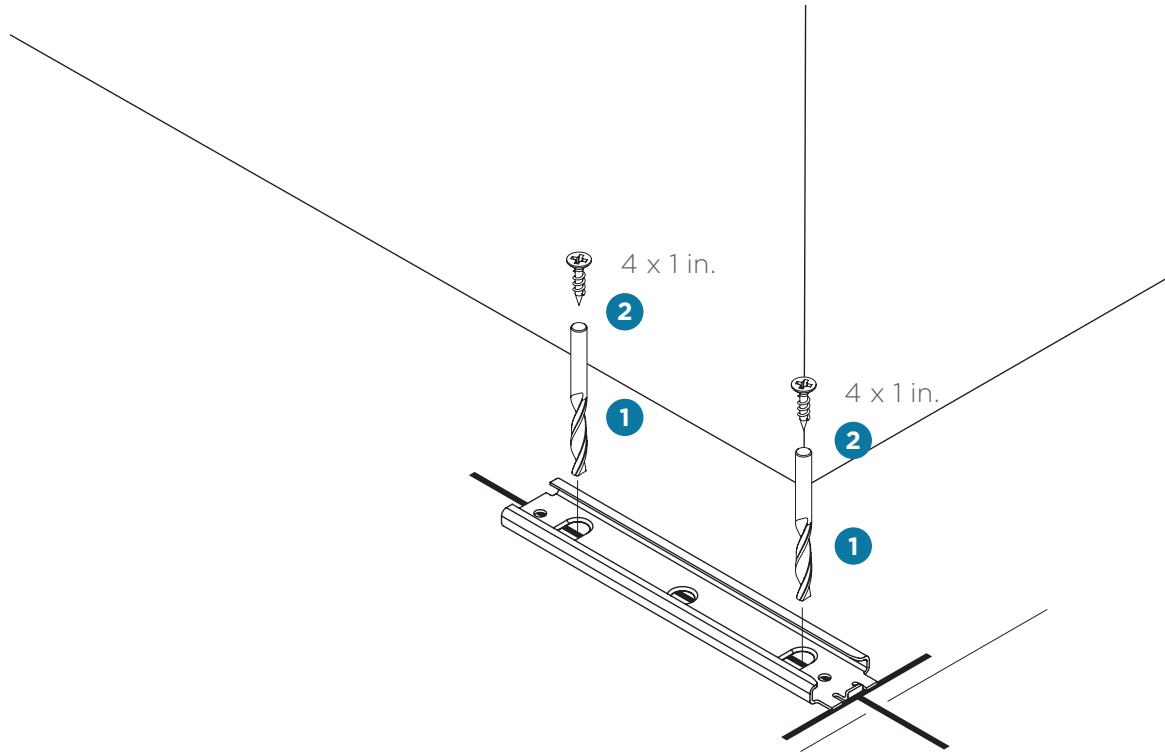
Installer Note: Diagram is not exact.

Y = $1\frac{5}{16}$ in. + B



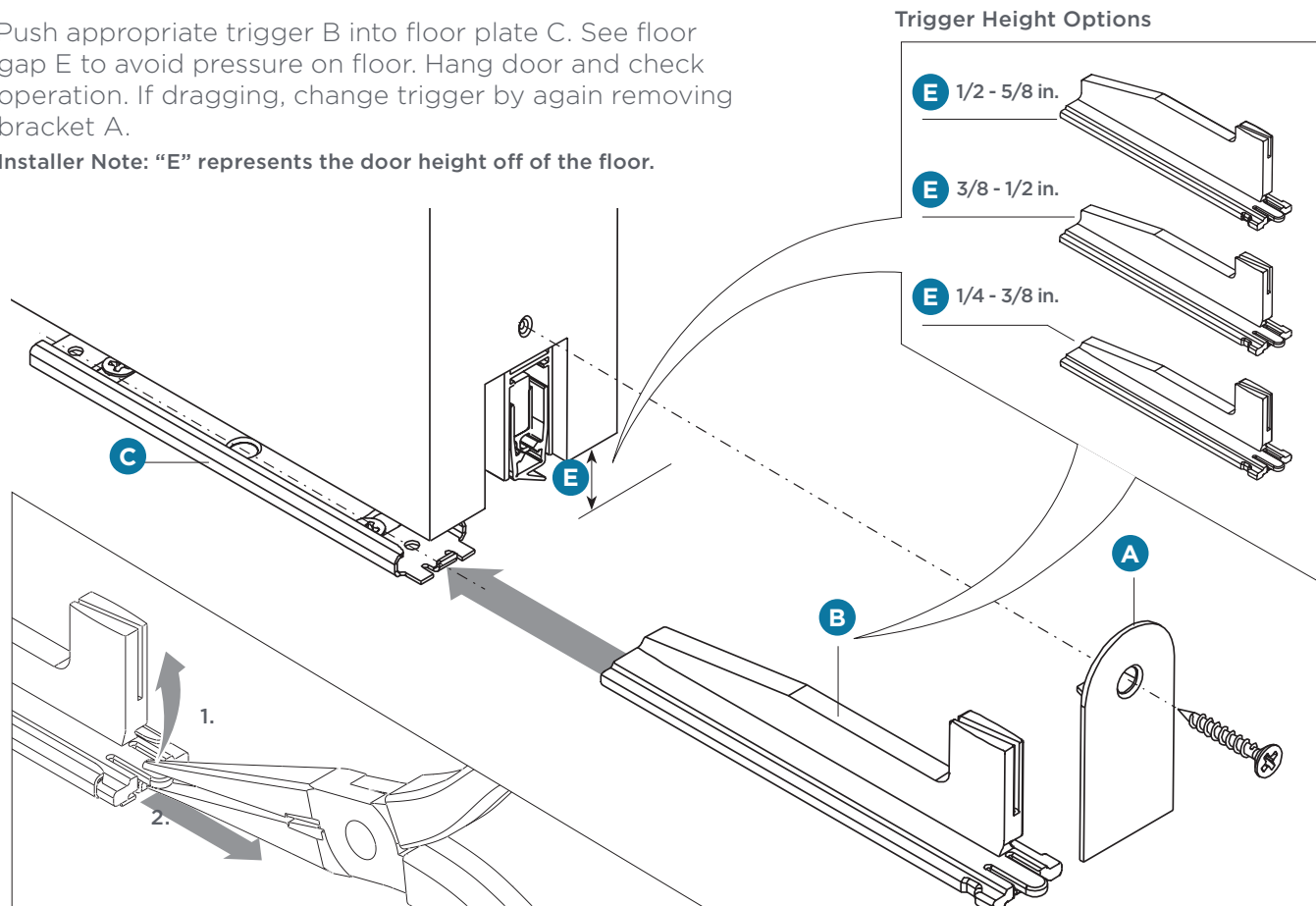
D: Screw floor guide base.

Installer Note: Predrill with 1/8" Rotohammer Bit.



E: Push appropriate trigger B into floor plate C. See floor gap E to avoid pressure on floor. Hang door and check operation. If dragging, change trigger by again removing bracket A.

Installer Note: “E” represents the door height off of the floor.

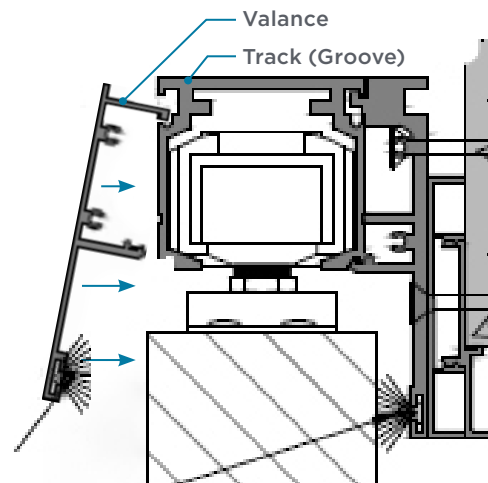


Installer Note: For systems that include a Spring Close, once door is hung and operating, hook Spring Close cable around Hanger Screw from Step 5:C. Ensure operation of Spring Close and adjust tension as needed.

Step 9: Install Valance

Hold the Valance at a 45-degree angle to the Track so that the lip of the Valance is positioned to roll into a groove on the Track, as shown. Snap the Valance onto the Track.

Installer Note: Have door in open position when installing. When snapping on, hit the middle of the Valance.



Step 9 Detail

NTS

Step 10: Install Receiving Channel Cover

Snap on the Receiving Channel Cover. Use a mallet to tap it into position. Make sure the Receiving Channel and the Receiving Channel Cover are even at the top.

Step 11: Install Handles, Endcaps, and Labels

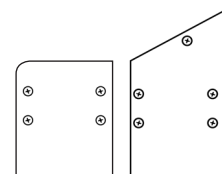
A: Install the door pull or back to back ladder handle.

Installer Note: Make sure the set screws are facing the floor.

B: Screw Endcaps onto both ends of the track system securing the Backer to Valance. The Endcaps should be flush.

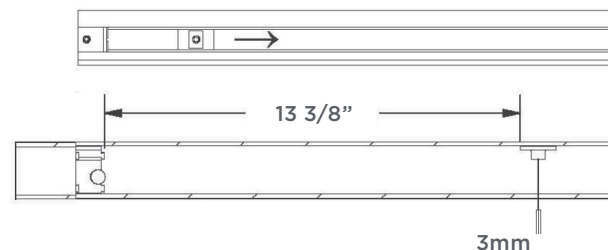
The Endcap should be tight to the side of the cased opening, with no gap, and flush with the bottom of the Header.

Installer Note: Install by hand with a #2 Phillips screwdriver.



Endcaps (Std/Sloped)

C: If the door has locking hardware you may need to drill the face prep on the door. Install the lock into the door and extend the bolt. Line up the strike plate with the Receiving Channel strike prep and mark its correct position in relation to the bolt. Mark the strike prep holes then drill them with a 1/8" drill bit. Using the strike screws that we provided secure the strike plate & dust box to the Receiving Channel and verify that the lock engages. Follow instructions for locks provided. Check submittal for location and application.



Step 12 Detail

NTS

Step 12: Verify Stop and Trigger

Close door until it barely touches the Receiving Channel. It should measure 13 3/8" from the edge of the Stop to the edge of the Trigger. This is a critical measurement to ensure proper functioning of the Soft Close Assembly. Overextension of the Soft Close Assembly can cause it to fail. Make final adjustments if necessary.

Close Side: Verify the rollers are touching the stop when the door is fully closed - then verify trigger distance.

Open Side: Verify Door hangs into opening 4 1/2" - 5" when the rollers are touching the stop - then verify trigger distance.

The system install is complete.

You have successfully installed the Serenity Sliding Door Systems® Surface Mount System. No additional steps are required.

Need Help with Your Install?

Reach out to our team below.

Support@SerenitySlidingDoor.com



Serenity
Sliding Door Systems

SerenitySlidingDoor.com

