

# Z-Articulating Cap Sill® Shop Replacement Instructions

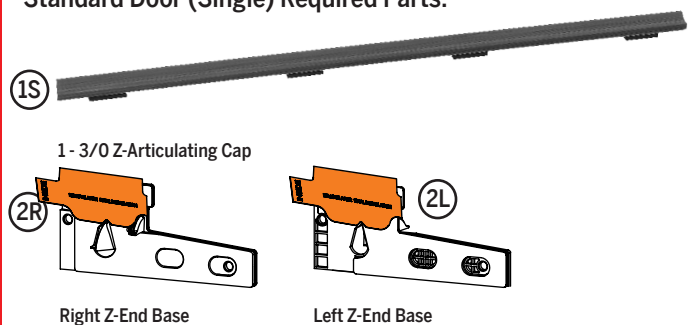
## Required Tools and Materials

1. **Flathead Screw Driver or Stiff Scraper:** To remove old Z-Series sill cap.
2. **Small Wood Block:** To protect aluminum sill deck when prying off sill cap.
3. **Measuring Tape:** For door sizing new sill cap and door bottom before cutting to proper length.
4. **Pen or Pencil:** To mark cap and door bottom.
5. **Cutting Tool:** Chop /Miter Saw recommended to trim cap and door bottom to proper length.
6. **Aluminum Epoxy/Putty:** to repair hole in aluminum Deck from Z-AC 1.0/1.1 Pin Capture

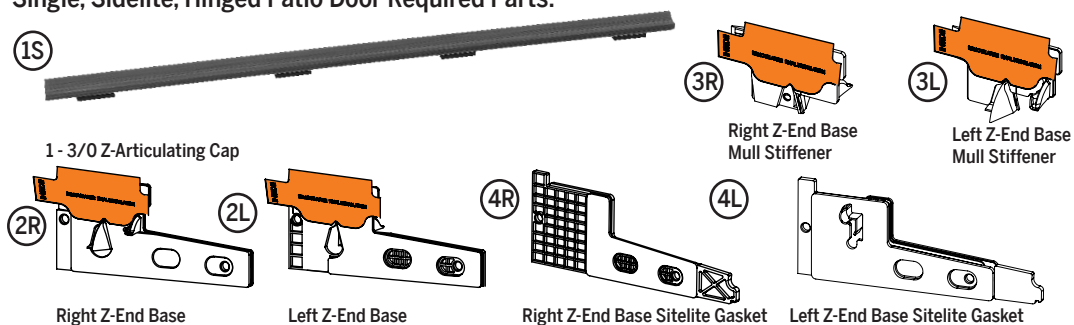
## ADDITIONAL TOOLS FOR FRENCH DOORS

1. **7/8" Diameter Drill Bit**
2. **Power Driver:** For anchor screw

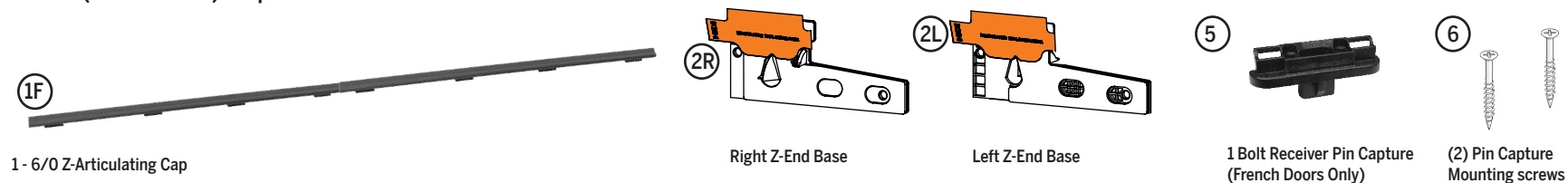
### Standard Door (Single) Required Parts:



### Single, Sidelite, Hinged Patio Door Required Parts:



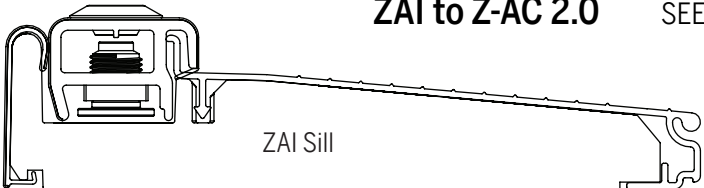
### French (Double Door) Required Parts:



## Identifying Your Sill System


Use the boxes below to identify your current sill system. Once your sill system has been properly identified, proceed to the appropriate section.

### Z-Series Adjustable Sill (ZAI )




**ZAI to Z-AC 2.0** SEE PAGE 4

ZAI Sill



Screw Hole Cover

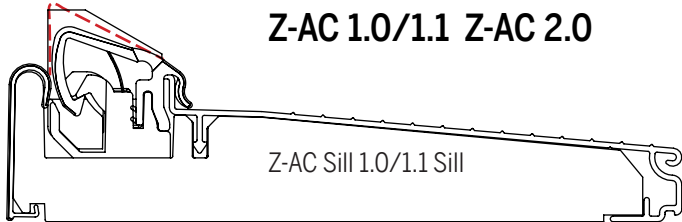


Bolt Receiver Cup  
(French Doors Only)

**ZAI Features**

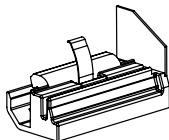
- Flat Cap
- Screw covers
- Receiver Cup Under Cap

### Z-Series Articulating Sill 1.0/1.1 (Z-AC 1.0/1.1 )

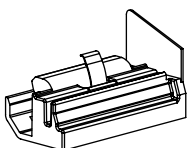


**Z-AC 1.0/1.1 Z-AC 2.0** SEE PAGE 17

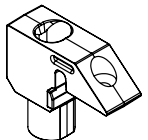
Z-AC Sill 1.0/1.1 Sill



1.0 Angular End Base



1.1 Slanted End Base

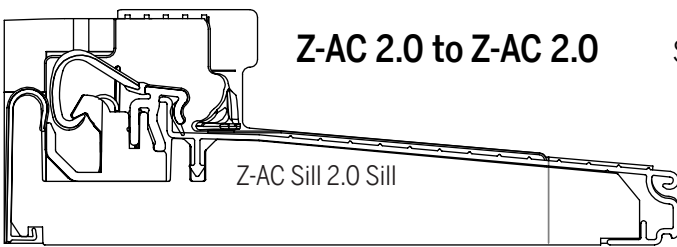


1.0/1.1 Pin Capture  
(French Doors Only)

**Z-AC 1.0/1.1 Features**

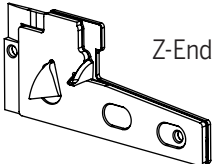
- Slanted cap
- End Bases with Angular/Slanted Rigid Wall
- Exposed Pin Capture

### Z-Series Articulating Sill 2.0 (Z-AC 2.0 )

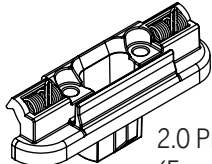


**Z-AC 2.0 to Z-AC 2.0** SEE PAGE 30

Z-AC Sill 2.0 Sill



Z-End Base



2.0 Pin Capture  
(French Doors Only)

**Z-AC 2.0 Features**

- Slanted Cap
- Z-End Bases with Weatherstrip Locator
- Pin Capture Under Cap

**ZAI to Z-AC 2.0** Page 4**Single Sills-** Page 5

1. **Remove OLD Adjustable Cap** Single
2. **Install New Cap** Single
3. **Cutting Down Sill** Single

**French Sills** Page 8

1. **Remove Old Adjustable Cap** French
2. **Locate and Drill Pin capture Hole**
3. **Install Pin Capture** French doors only
4. **Install New Cap** French doors only
5. **Cutting Down Sill** French
6. **Installing Z-End Bases** French

**Single, Sidelite, Hinged Patio** Page 13

1. **Remove OLD Adjustable Cap** Sidelite and Hinged Patio
2. **Cutting Down Cap and Sill** Sidelite and Hinged Patio
3. **Install New Cap** Sidelite and Hinged Patio
4. **Installing Z-End Bases** Sidelite and Hinged Patio

**Z-AC 1.0 / 1.1 to Z-AC 2.0** Page 17**Single Sills** Page 18

1. **Remove OLD Cap** Single
2. **Install New Cap** Single
3. **Cutting Down Sill** Single

**French Sills** Page 22

1. **Remove Old Articulating Cap** French
2. **Install Pin Capture** French doors only
3. **Install New Cap** French doors only
4. **Cutting Down Sill** French
5. **Installing Z-End Bases** French

**Single, Sidelite, Hinged Patio** Page 26

1. **Remove OLD Articulating Cap** Sidelite and Hinged Patio
2. **Cutting Down Cap and Sill** Sidelite and Hinged Patio
3. **Install New Cap** Sidelite and Hinged Patio
4. **Installing Z-End Bases** Sidelite and Hinged Patio

**Z-AC 2.0 to Z-AC 2.0** Page 30**Single Sills** Page 31

1. **Remove OLD Cap** Single
2. **Install New Cap** Single
3. **Installing New Z-End Bases** Single

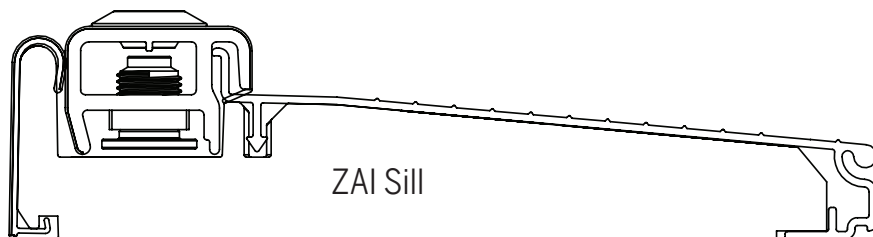
**French Sills** Page 34

1. **Remove Old Z-AC 2.0** French
2. **Install Pin Capture** French
3. **Cutting Down Cap** French
4. **Install New Cap** French
5. **Installing Z-End Bases** French

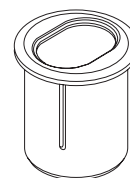
**Single, Sidelite, Hinged Patio** Page 39

1. **Remove Old Z-AC 2.0** Sidelite and Hinged Patio
2. **Cutting Down Cap** Sidelite and Hinged Patio
3. **Install New Cap** Sidelite and Hinged Patio
4. **Installing Z-End Bases** Sidelite and Hinged Patio

## Z-Series Adjustable Sill (ZAI )



Screw Hole Cover



ZAI Receiver Cup  
(French Doors)

### ZAI Features

- Flat Cap
- Screw covers
- Receiver Cup Under Cap

## Single Door Units

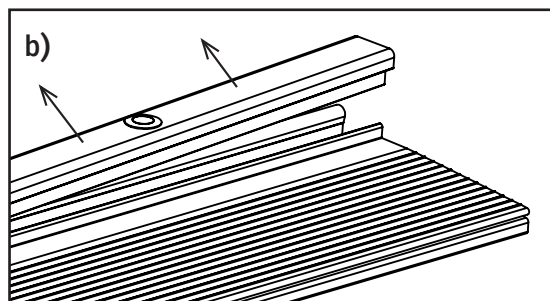
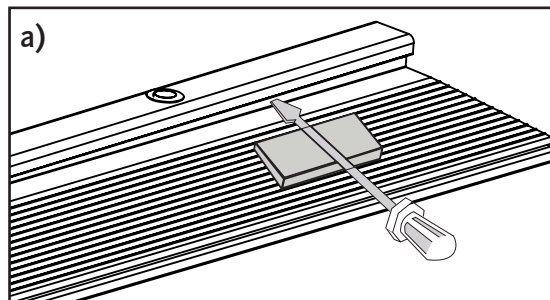
ZAI to Z-AC 2.0

### 1. Remove OLD Adjustable Cap (ZAI to Z-AC 2.0) Single Door Units




**Protect aluminum sill deck with a small wood block to prevent damage when prying off sill cap.**

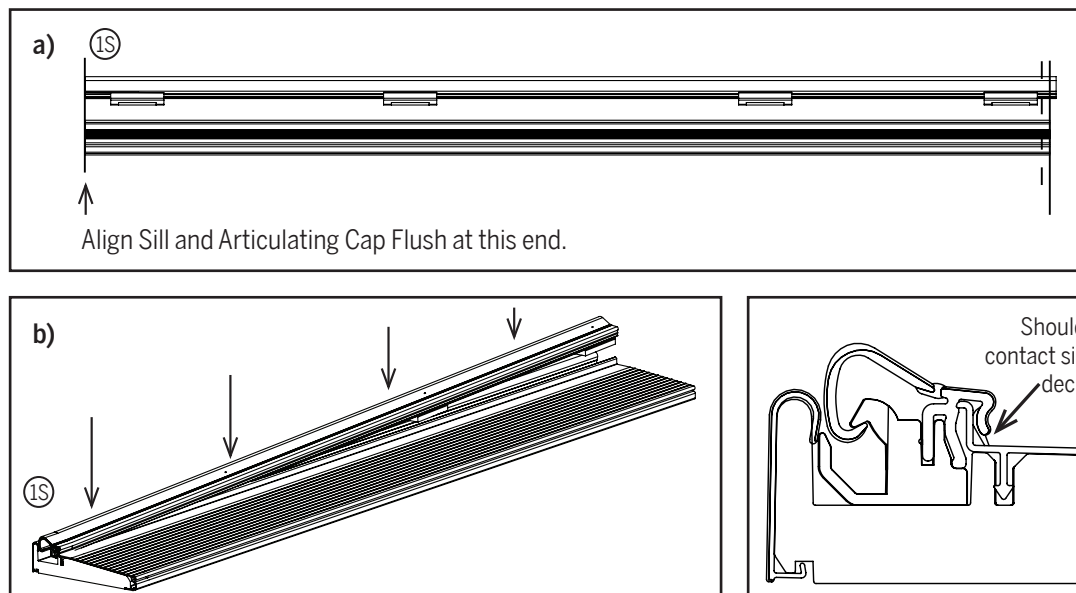
- a) Place a flathead screwdriver under front leg of sill cap at one end. Then pry sill cap up with screwdriver, working from one end to the other.
- b) Pull sill cap out of channel.
- c) Clean any debris out of sill channel.



## 2. Install New Cap (ZAI to Z-AC 2.0) Single Door Units

- a) Align loose Z-AC 2.0 (1S) flush with one end of the sill and insert cap into sill channel.
- b) Apply Pressure to the cap to fully seat cap into place along entire length of sill.

 **Front leg of the cap should touch the deck when seated.**

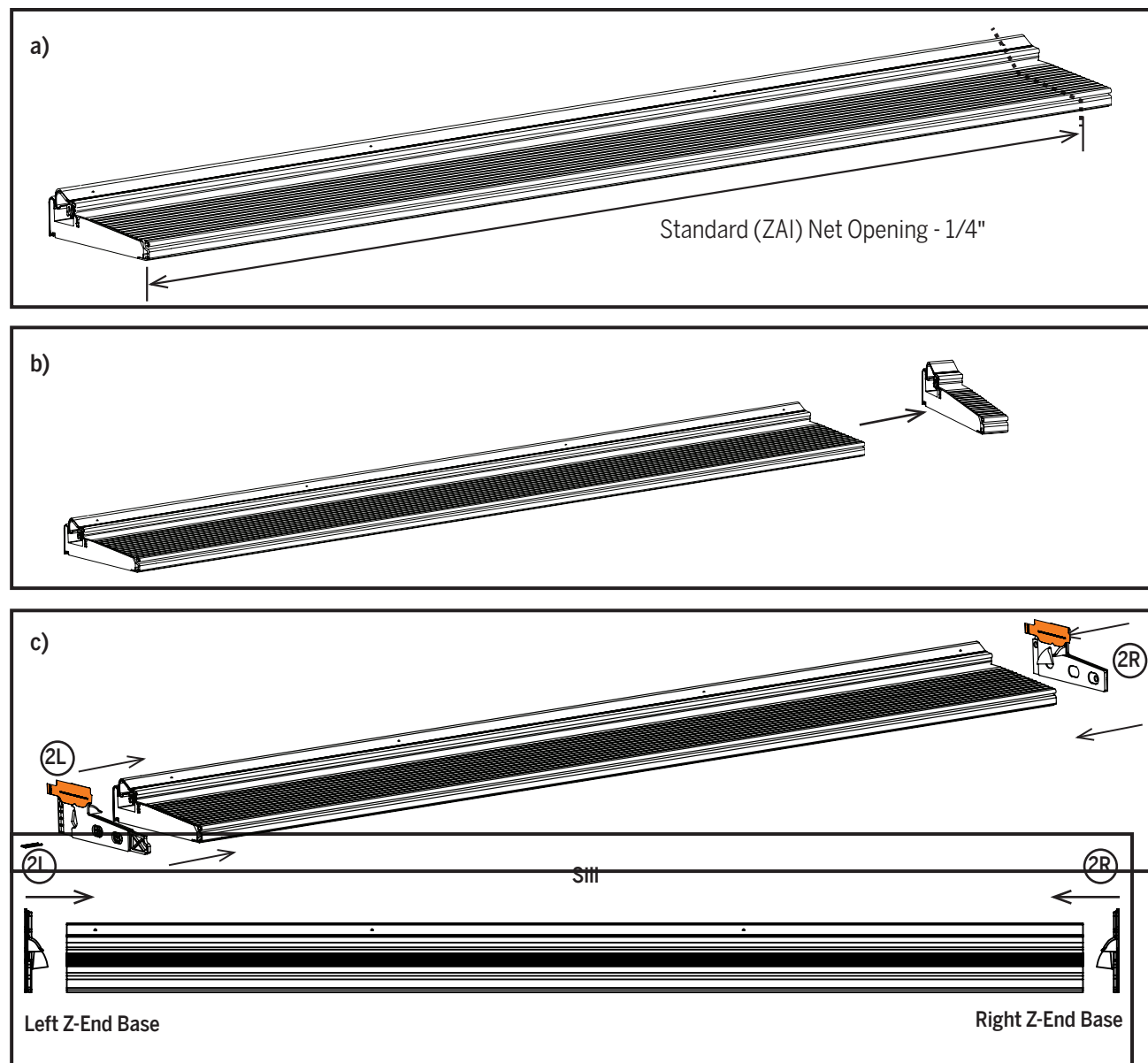


### 3. Cutting Down Sill (ZAI to Z-AC 2.0) Single Door Units Only

- a) Measure and mark Z-AC Sill to 1/4" less than the ZAI Net Opening to be cut down to accommodate Z-End Bases.
  - b) Cut the cap and sill along the mark made in the previous step and discard removed section.
- CAUTION:** Measure carefully and cut precisely within 1/32" to ensure proper operation. A cap cut too short will not seal correctly.
- c) Attach new Z-End Base (2R) & (2L) to each side of the cut sill and secure with staples

**NOTE:** The Z-End Bases are handed and can only be attached one way. The horn should be inserted into the sill channel

**Do not remove the orange protective gasket label until cap is fully installed into the door unit.**



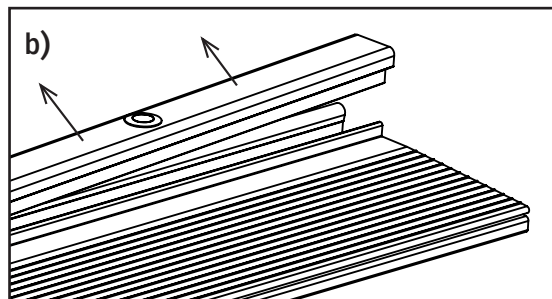
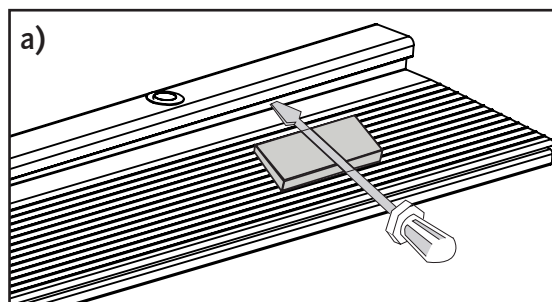
## French Door Units

ZAI to Z-AC 2.0

### 1. Remove OLD Adjustable Cap (ZAI to Z-AC 2.0) French Door Units

**Protect aluminum sill deck with a small wood block to prevent damage when prying off sill cap.**

- a) Place a flathead screwdriver under front leg of sill cap at one end. Then pry sill cap up with screwdriver, working from one end to the other.
- b) Pull sill cap out of channel.
- c) Clean any debris out of sill channel.

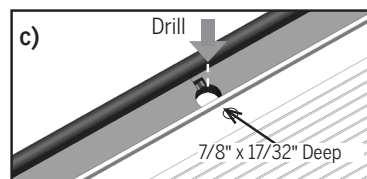
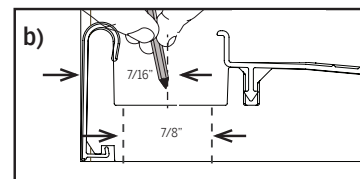
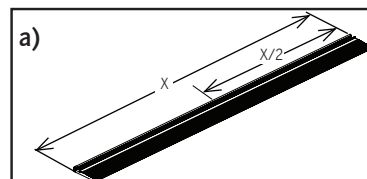




## 2. LOCATE AND DRILL Pin capture HOLE (ZAI to Z-AC 2.0) French Door Units Only

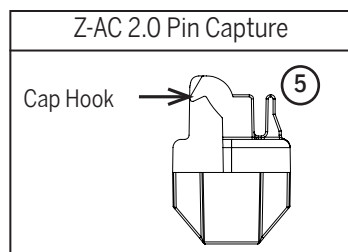
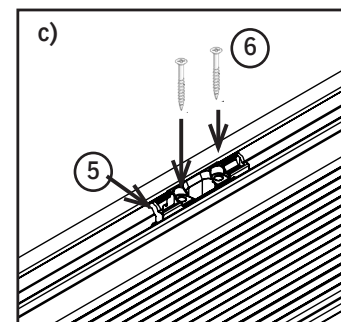
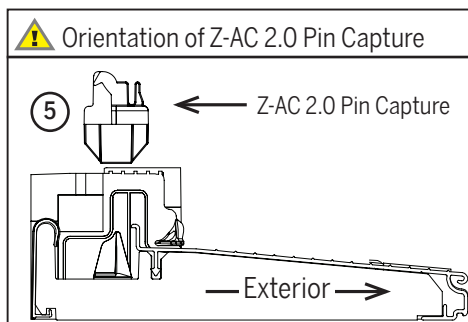
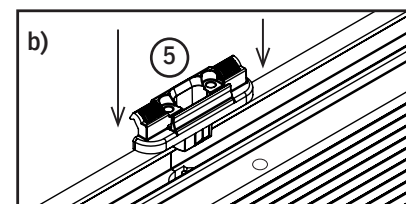
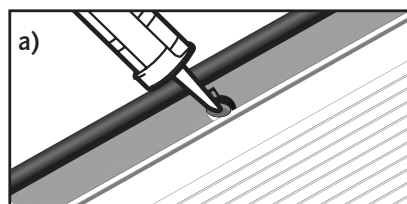
**NOTE:** If hole already exists from previous pin cup, the old hole can be used, provided it is centered exactly in the sill from end to end. Simply drill a 7/8" diameter hole deep through the sill substrate in its place .  
**If the hole is not completely centered, Follow the below steps.**

- Measure sill length from jamb to jamb (x).
- Mark the cap channel at exactly 1/2 the sill length and 7/16" from the interior of the sill dam.
- Drill 7/8" diameter hole deep through the sill substrate. This is where the pin capture will be inserted.




## 3. Install Pin Capture French doors only

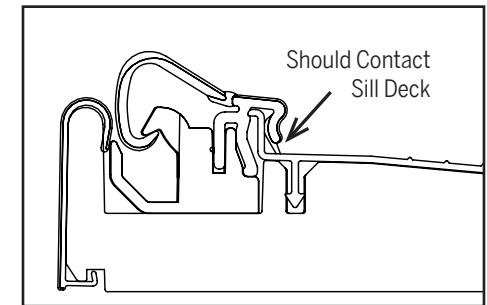
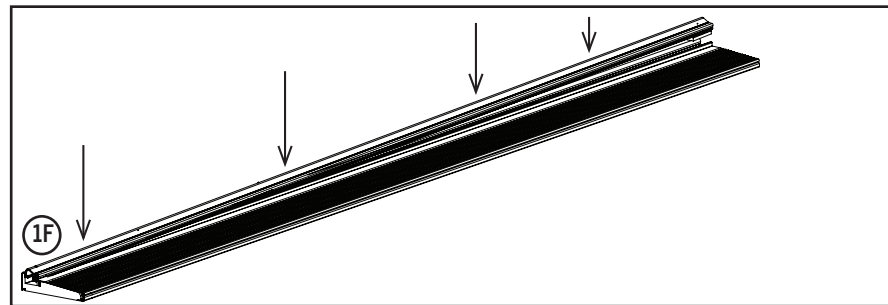
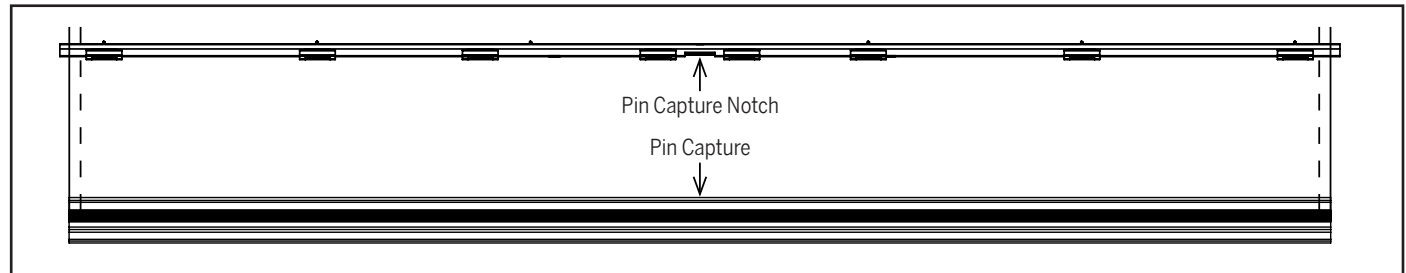
- Fill bottom of pin capture hole with exterior grade caulking.
  - Insert pin capture ⑤ into and tap into place with a rubber mallet, if necessary.
- NOTE:** Ensure the Pin Capture is properly inserted as shown. The Cap Hook should be facing towards the interior of sill.
- Insert two provided screws ⑥ into mounting holes on pin capture.



#### 4. Install New Cap (ZAI to Z-AC 2.0) French Door Units Only

- a) Align the pin capture notch on the loose Z-AC 2.0 ①F with the pin capture installed in the sill channel, and insert the cap into sill channel.
- b) Apply Pressure to the cap to fully seat cap into place along entire length of sill.

 Front leg of the cap should touch the deck when seated.



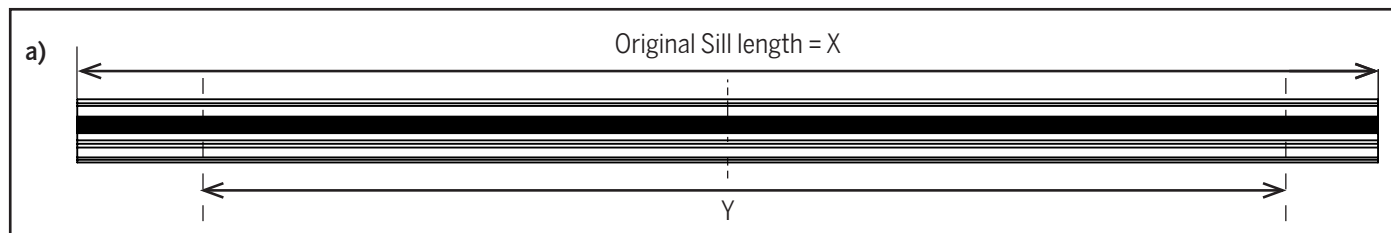
## 5. Cutting Down Sill (ZAI to Z-AC 2.0) French Door Units Only



**Note: Cap notch and bolt hole must remain in the center of the sill.**

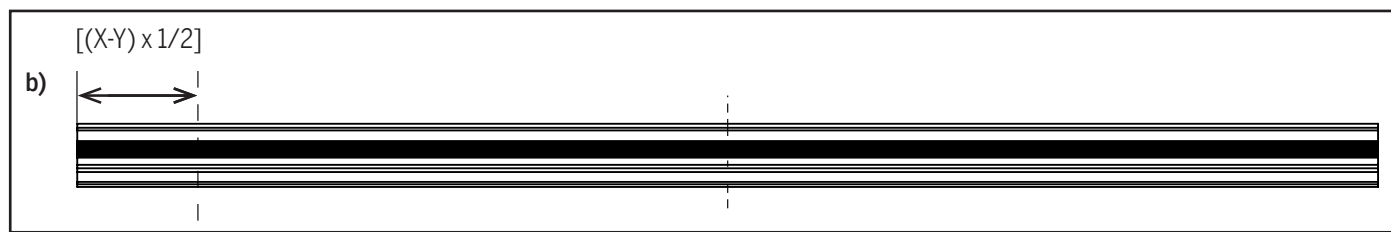
a. Determine the desired cut down length (1/4" shorter than standard sill length).

$$\begin{aligned}\text{Desired length} &= Y \\ \text{Original Sill length} &= X\end{aligned}$$

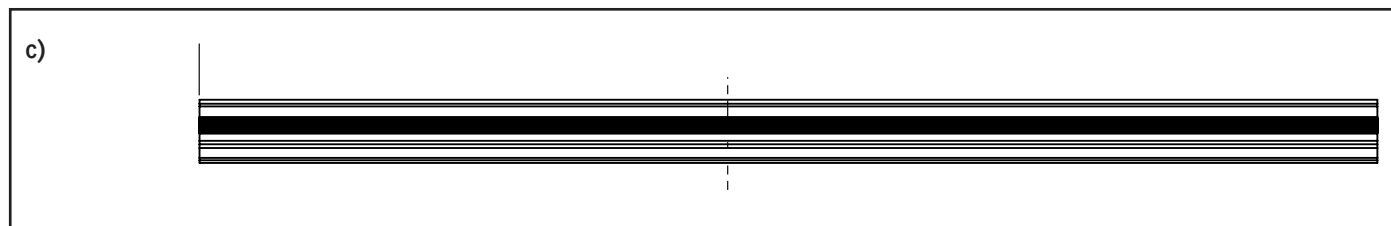


b. Subtract new desired length from the length of the sill and divide result in half.

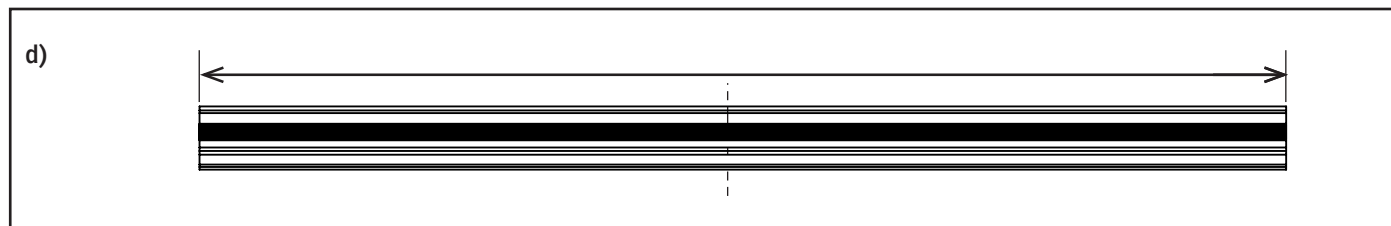
$$(\text{Original Sill length} - \text{Desired length}) \times 1/2$$



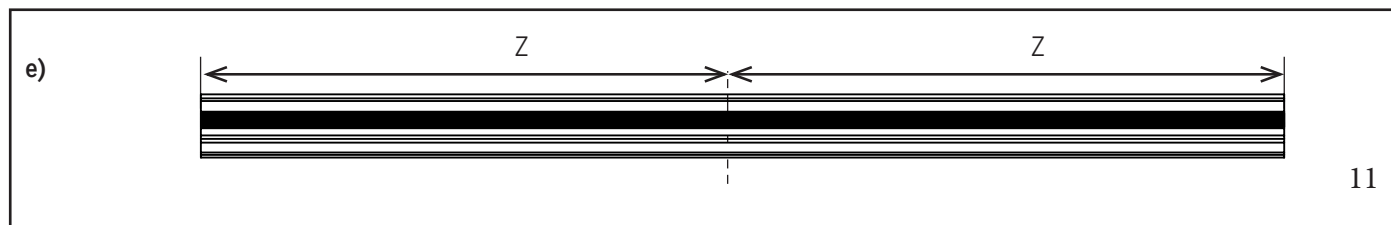
c. Using the measurement from the previous step, cut down one end of the sill. **DO NOT repeat this step on the other side of the sill.** Proceed to step D, which accounts for tolerances in cutting and prevents errors.



d. Measure from cut down end, and mark sill at the desired length found in step A. Cut down other end of the sill to the desired length.



e. Confirm that the cap notch and bolt hole are still in the center of the sill. The sill should be equal in length on either side of the notch and bolt hole.

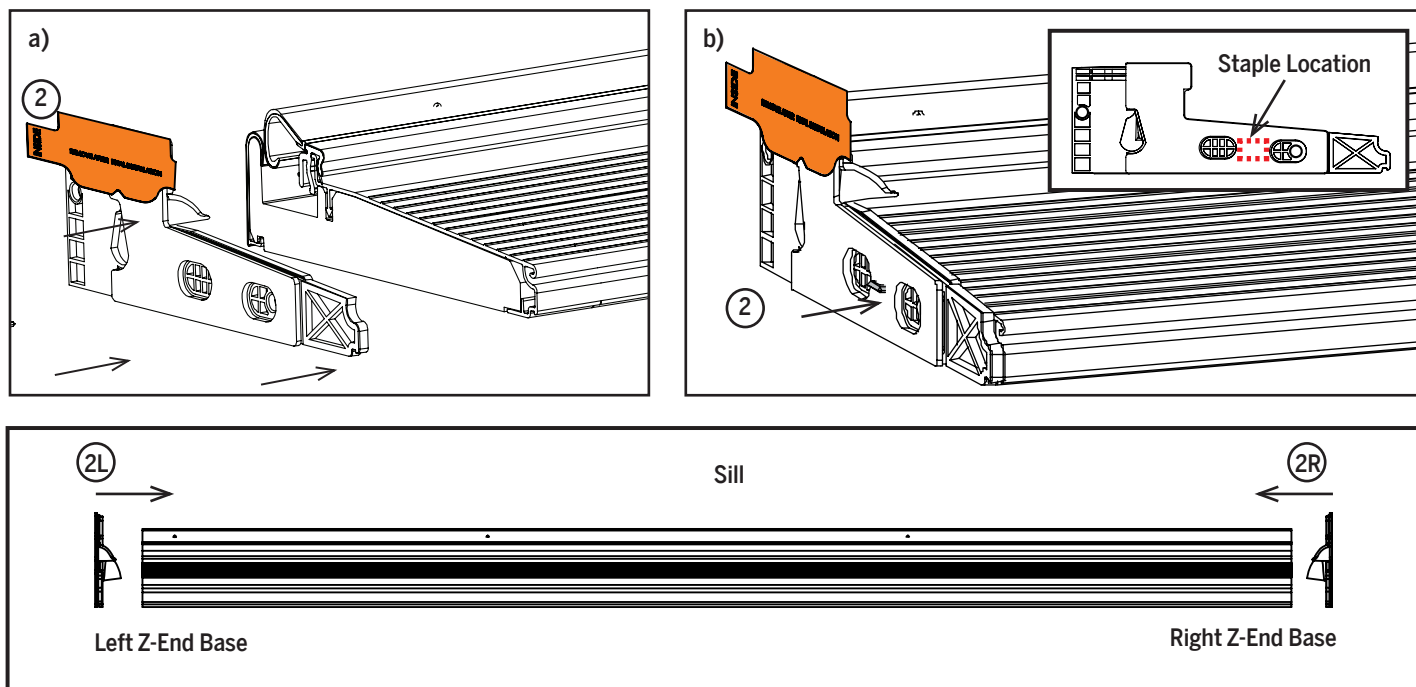


## 6. Installing Z-End Bases (ZAI to Z-AC 2.0) French Door Units

- Align the Z-End Base ②R & ②L with each end of the sill and Z-Articulating Cap then attach.
- Secure Z-End Base ②R & ②L to the sill with a staple on each side of the sill. Repeat at other end of sill if no Sidelite Cap is present.

**⚠ NOTE:** The Z-End Bases are handed and can only be attached one way. The horn should be inserted into the sills channel.

**⚠** Do not remove the orange protective gasket label until cap is fully installed into the door unit.



## Sidelite and Hinged Patio Door Units

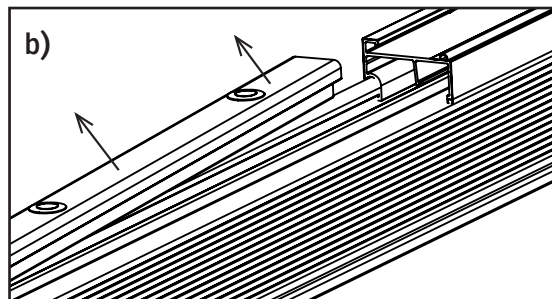
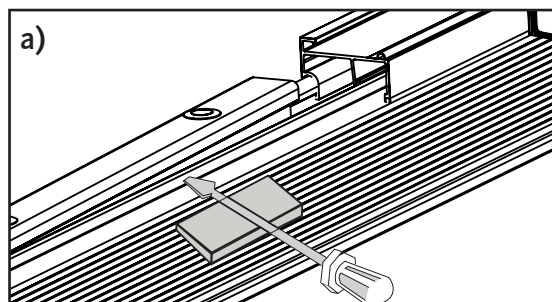
ZAI to Z-AC 2.0

### 1. Remove OLD Adjustable Cap (ZAI to Z-AC 2.0) Sidelite and Hinged Patio Door Units



Protect aluminum sill deck with a small wood block to prevent damage when prying off sill cap.

- a) Place a flathead screwdriver under front leg of sill cap at one end. Then pry sill cap up with screwdriver, working from one end to the other.
- b) Pull sill cap out of channel.
- c) Clean any debris out of sill channel and on the jambs.



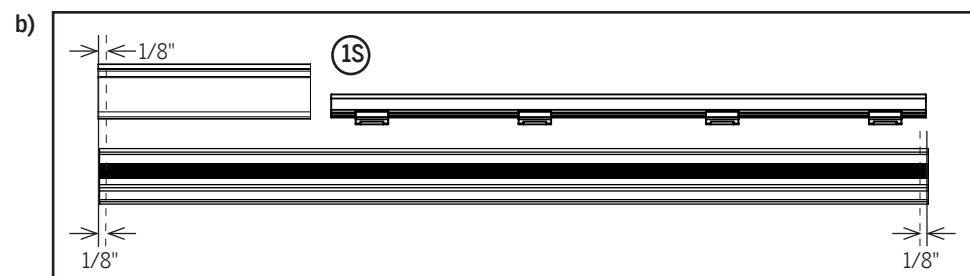
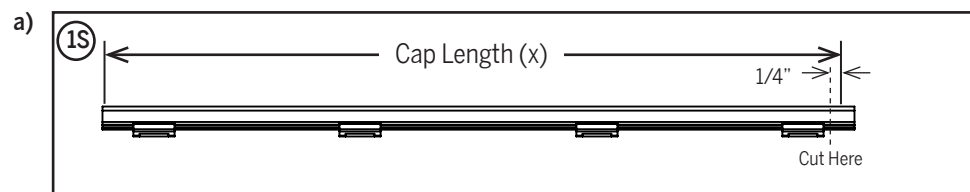
## 2. Cutting Down Cap and Sill (ZAI to Z-AC 2.0) Sidelite and Hinged Patio Door Units Only

- a) Measure and cut new cap (1S) to match width of active opening (Standard Sill Length) of the sill minus 1/4".
- b) Measure and cut sill to match width of Single Sidelite ZAI Net Active Length minus 1/4".

⚠ 1/8" should be removed from each end of the sill.


⚠ Sidelite Cap Z-AC Application always 1/8" Shorter than Sidelite Cap in ZAI Application

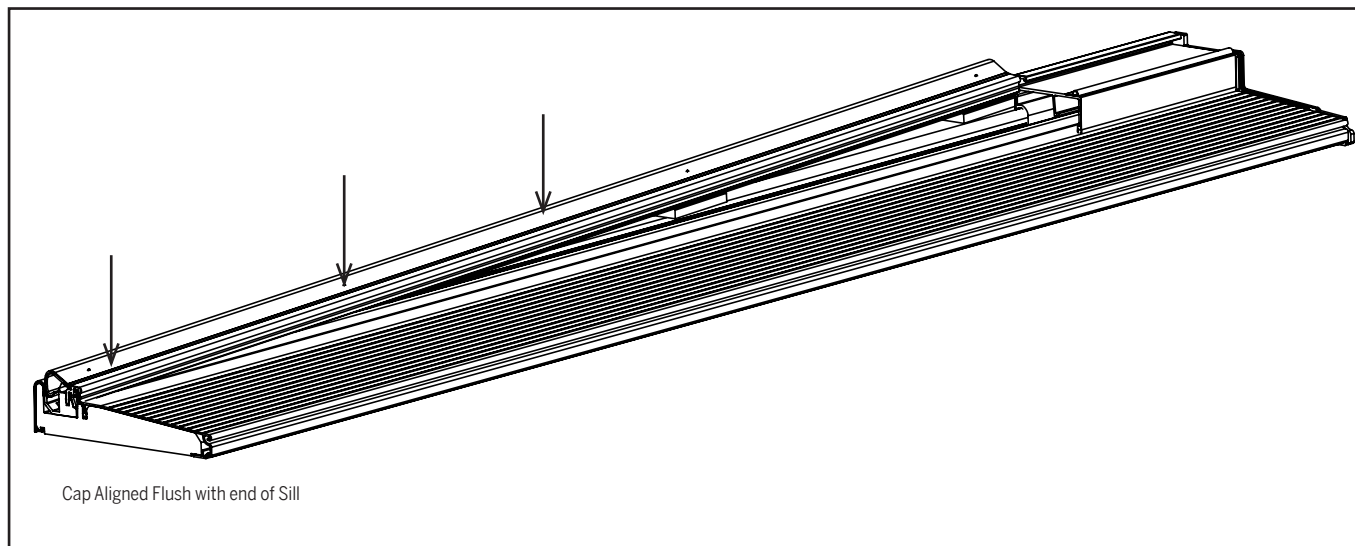
⚠ **CAUTION:** Measure carefully and cut precisely within 1/32" to ensure proper operation. A cap cut too short will not seal correctly.



### 3. Install New Cap (ZAI to Z-AC 2.0) Sidelite and Hinged Patio Door Units

- a) Align loose Z-AC 2.0 (1S) flush with one end of the sill and insert cap into sill channel.
- b) Apply Pressure to the cap to fully seat cap into place along entire length of sill.

 Front leg of the cap should touch the deck when seated.



#### 4. Installing Z-End Bases (ZAI to Z-AC 2.0) Sidelite and Hinged Patio Door Units

- a. Align the Z-End Base (2L) & (2R) with the end of the sill and Z-Articulating Cap then attach.

**NOTE:** The Z-End Bases are handed and can only be attached one way. The horn should be inserted into the sill channel.

- b. Secure Z-End Base to the sill with staples. Repeat at other end of sill if no Sidelite Cap is present.

##### Installing the Z-End Base Sidelite Gasket

- a. Align the Z-End Base Sidelite Gasket (4R) & (4L) with the end of the sill and Sidelite Cap then attach.

**NOTE:** The Z-End Base Sidelite Gaskets are handed and can only be attached one way. The horn should be inserted into the sill channel.

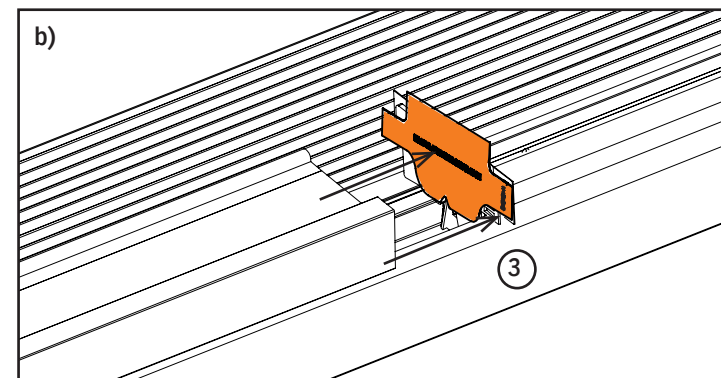
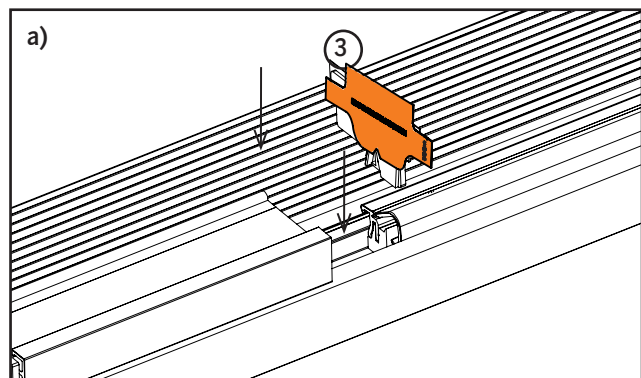
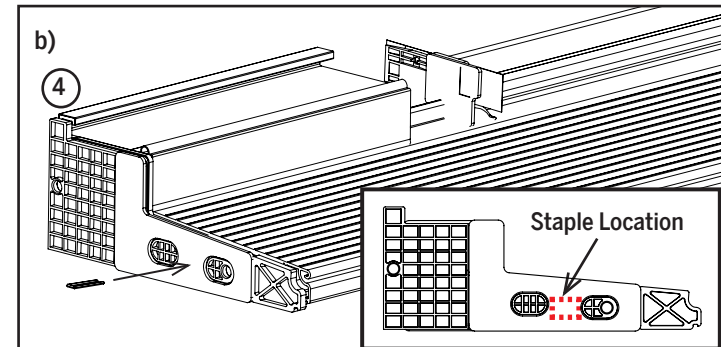
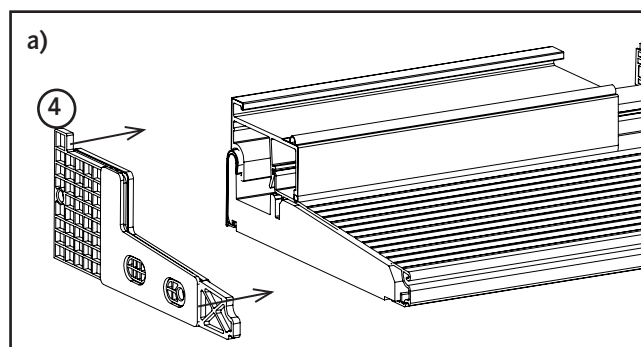
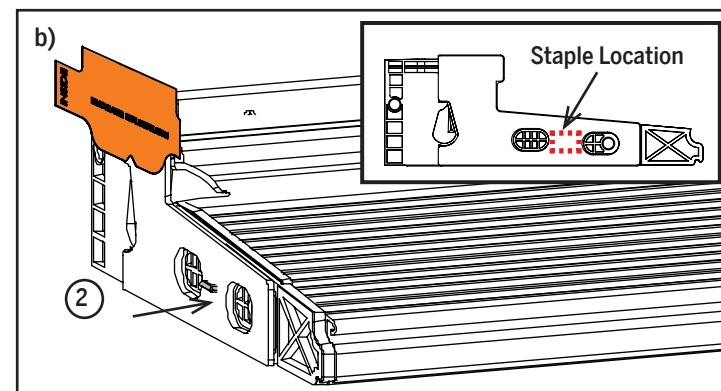
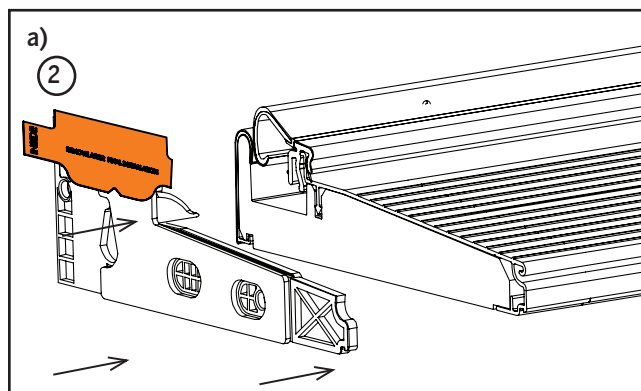
- b. Secure Z-End Base Sidelite Gasket to sill with a staple on each side of the sill. Repeat at other end of sill if a Sidelite Cap is present.

##### Installing the Z-End Base Mull Stiffener

- a. Insert the Z-End Base Mull Stiffener (3R) & (3L) into the sill channel between the Z-Articulating Cap and Sidelite Seat.

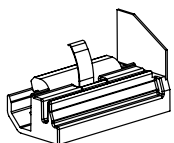
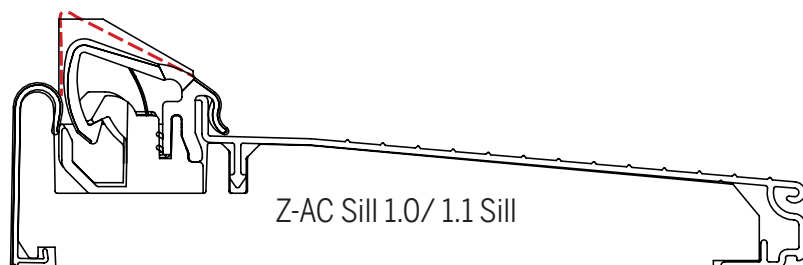
**NOTE:** The Z-End Base Mull Stiffeners are handed and can only be attached one way. The horn should be inserted into the sill channel.

- b. Insert the Z-End Base Mull Stiffener into the sill channel between the Z-Articulating Cap and Sidelite Seat.

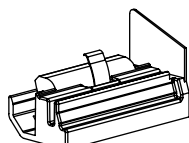




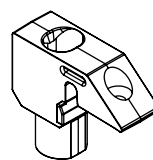
## Z-Series Articulating Cap Sill 1.0/1.1 (Z-AC 1.0/1.1 )



1.0 Angular  
End Base



1.1 Slanted  
End Base



1.0/ 1.1  
Pin Capture  
(French Doors Only )

### Z-AC 1.0 Features

- Slanted cap
- End Bases with Angular Rigid Wall
- Exposed Pin Capture

### Z-AC 1.1 Features

- Slanted cap
- End Bases with Slanted Rigid Wall
- Exposed Pin Capture

## Single Door Units

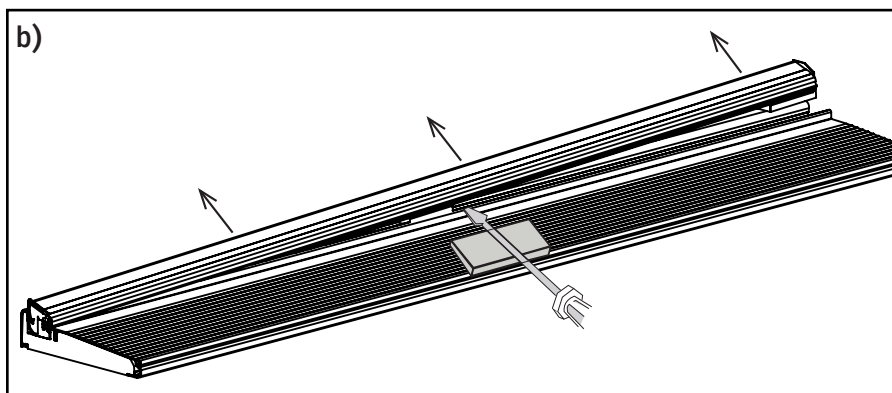
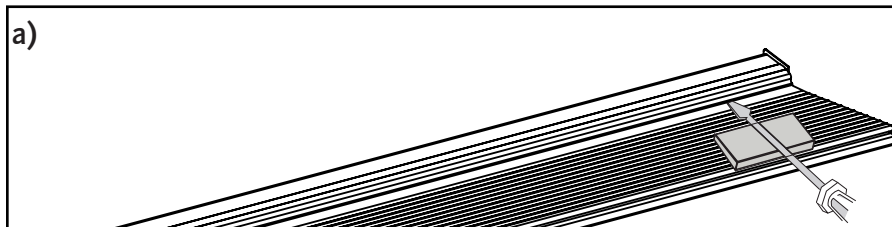
Z-AC 1.0 / 1.1 to Z-AC 2.0

### 1. Remove OLD Cap (Z-AC 1.0 / 1.1 to Z-AC 2.0) Single Door Units




**Protect aluminum sill deck with a small wood block to prevent damage when prying off sill cap.**

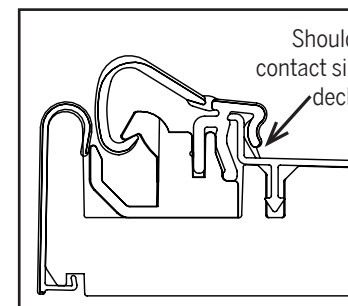
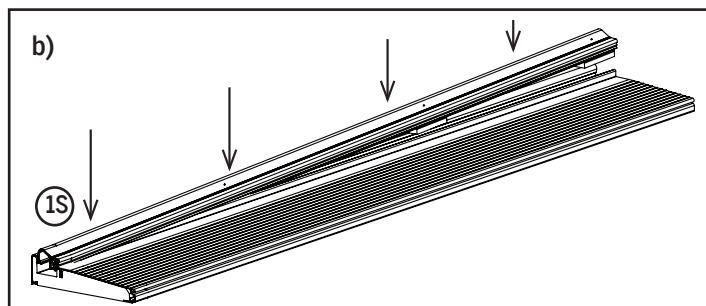
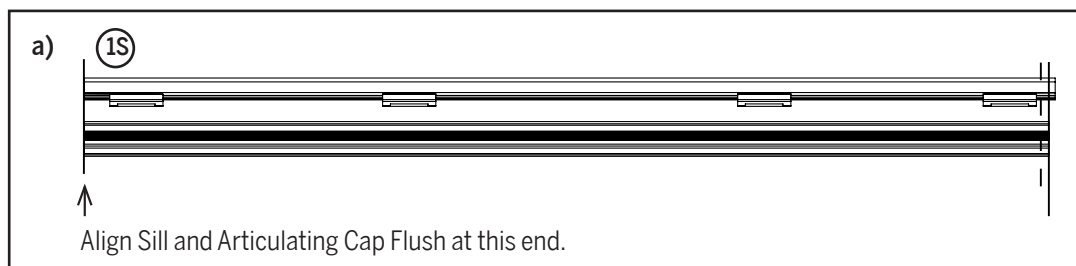
- a) Place a flathead screwdriver under front leg of sill cap at one end. Then pry sill cap up with screwdriver, working from one end to the other.
- b) Pull sill cap out of channel.
- c) Clean any debris out of sill channel and on the jambs.



## 2. Install New Cap (Z-AC 1.0 / 1.1 to Z-AC 2.0) Single Door Units

- a) Align loose Z-AC 2.0 (1S) flush with one end of the sill and insert cap into sill channel.
- b) Apply Pressure to the cap to fully seat cap into place along entire length of sill.

 **Front leg of the cap should touch the deck when seated.**



### 3. Cutting Down Sill (Z-AC 1.0 / 1.1 to Z-AC 2.0) Single Door Units

- a) Measure and mark Z-AC Sill to 1/4" less than the ZAI Net Opening to be cut down to accommodate Z-End Bases.

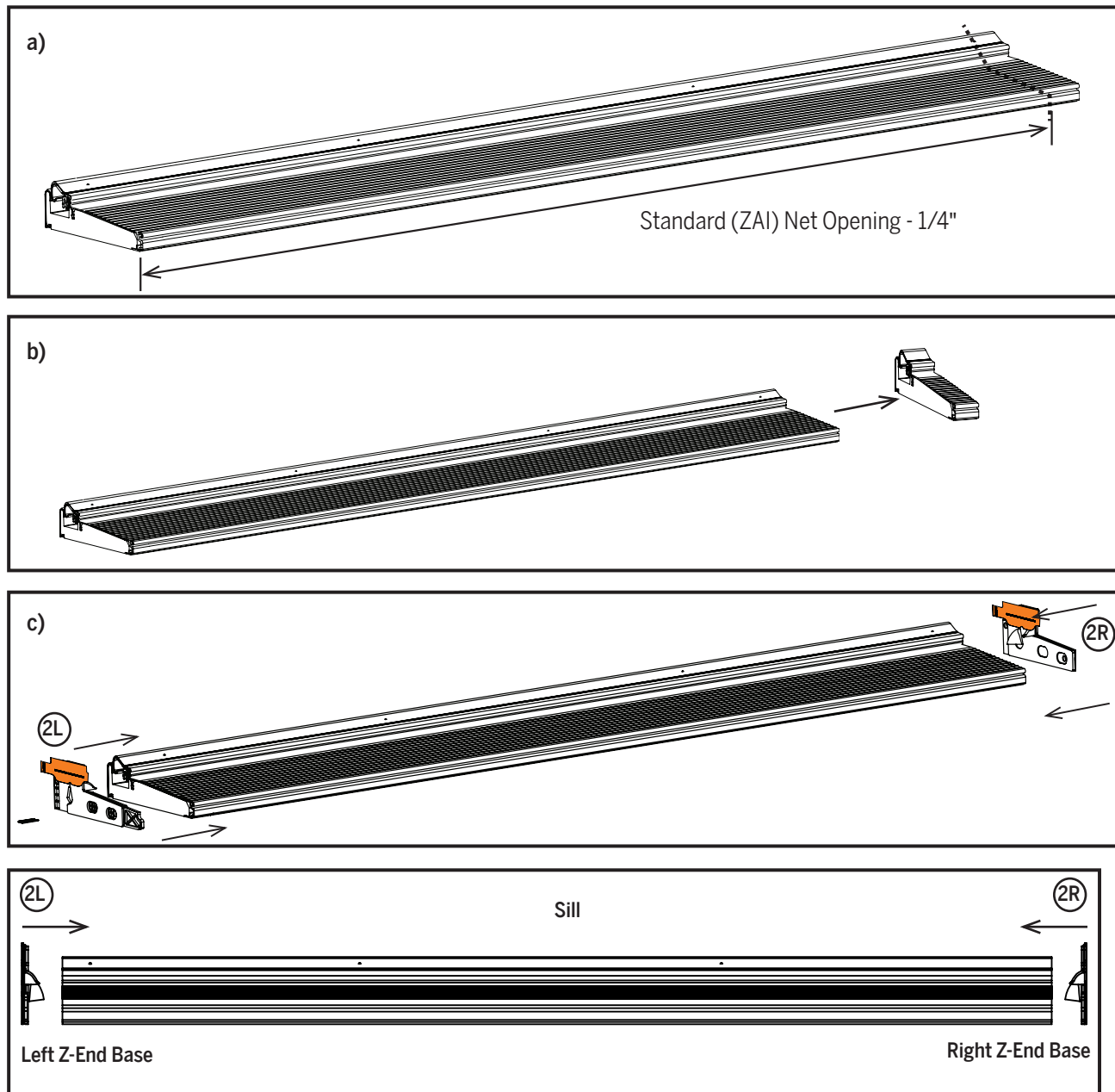
- b) Cut the cap and sill along the mark made in the previous step and discard removed section.

**CAUTION:** Measure carefully and cut precisely within 1/32" to ensure proper operation. A cap cut too short will not seal correctly.

- c) Attach new Z-End Bases (2R) & (2L) to each side of the cut sill and secure with a staple.

**NOTE:** The Z-End Bases are handed and can only be attached one way. The horn should be inserted into the sill channel.

**Do not remove the orange protective gasket label until cap is fully installed into the door unit.**



## French Door Units

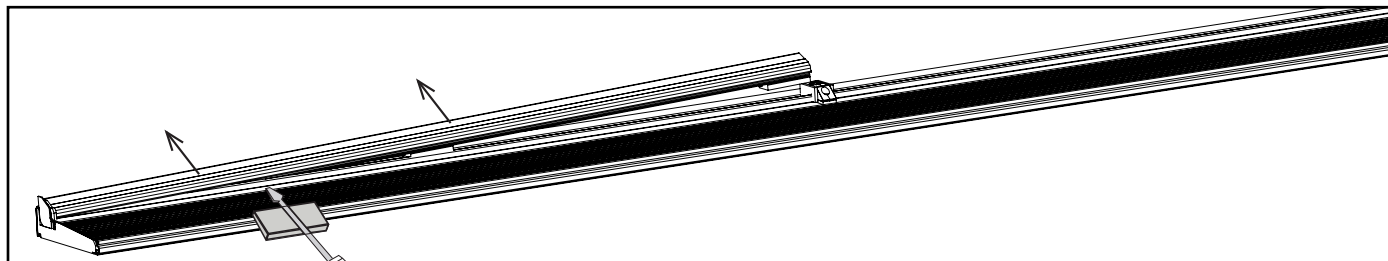
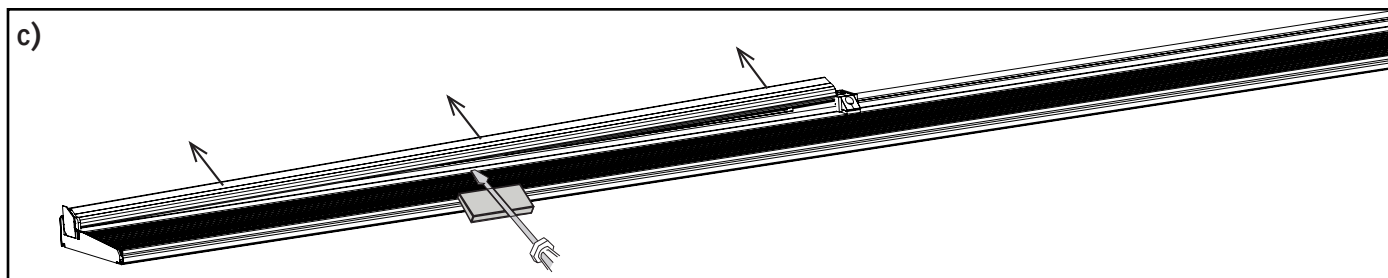
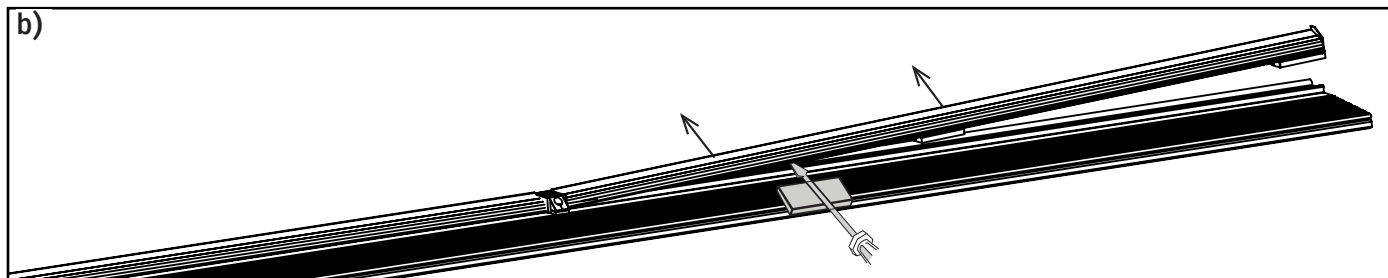
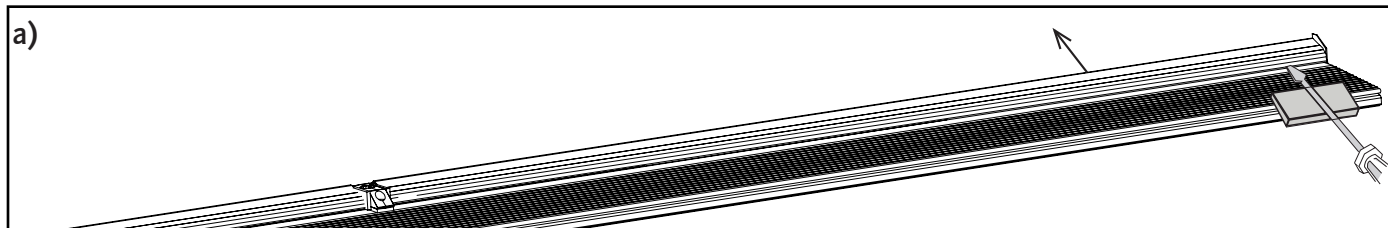
Z-AC 1.0 / 1.1 to Z-AC 2.0

### 1. Remove OLD Cap (Z-AC 1.0 / 1.1 to Z-AC 2.0) French Door Units



**Protect aluminum sill deck with a small wood block to prevent damage when prying off sill cap.**

- a) Place a flathead screwdriver under front leg of sill cap at one end. Then pry sill cap up with screwdriver, working from one end to the other.
- b) Pull sill cap out of channel.
- c) Repeat steps a and b for the remaining cap.
- d) Clean any debris out of sill channel and on the jambs.

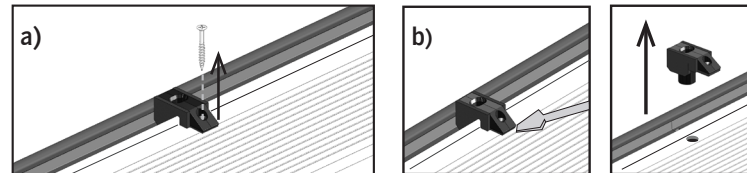


## 2. Install New Z-AC Pin Capture *French Door Units Only* (Z-AC 1.0/ 1.1 to Z-AC 2.0)


### FOR FRENCH DOOR UNITS ONLY

#### REMOVE Z-AC 1.0/ 1.1 PIN CAPTURE

- Remove screw from screw boss on pin capture.
- Using a flathead screw driver, pry the pin capture from the sill.

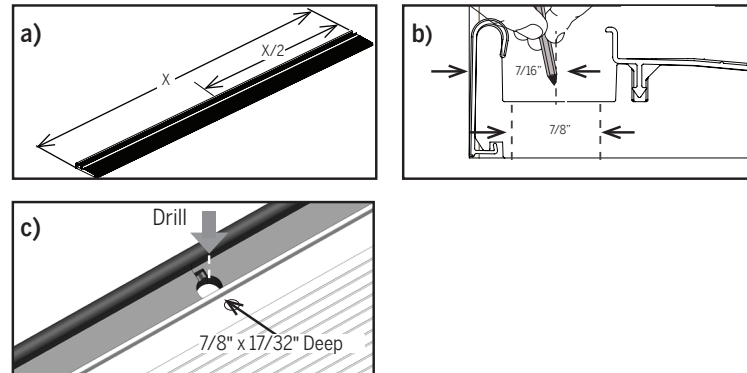


#### LOCATE AND DRILL PIN CAPTURE HOLE

 **NOTE:** If hole already exists from previous pin cup, the old hole can be used, provided it is centered exactly in the sill from end to end. Simply drill a 7/8" diameter hole deep through the sill substrate in its place.

**If the hole is not completely centered, Follow the below steps.**

- Measure sill length from jamb to jamb (x).
- Mark the cap channel at exactly 1/2 the sill length and 7/16" from the interior of the sill dam.
- Drill 7/8" diameter hole deep through the sill substrate. This is where the pin capture will be inserted.

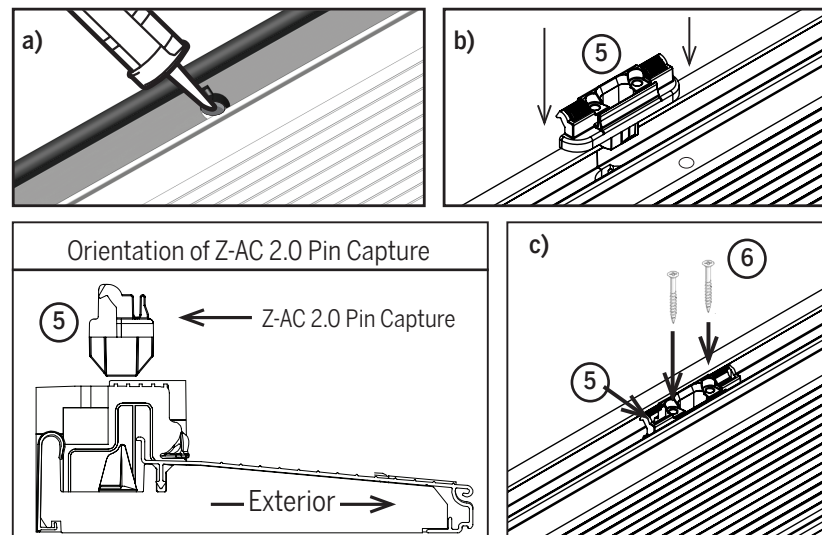
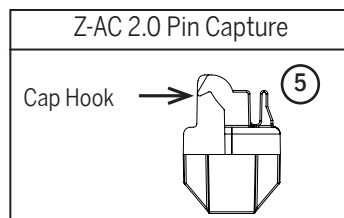


## 3. Install Pin Capture French doors only

- Fill bottom of pin capture hole with exterior grade caulking.
- Insert pin capture ⑤ into and tap into place with a rubber mallet, if necessary.


 Ensure the Pin Capture is properly inserted as shown. The Cap Hook should be facing towards the interior of sill.

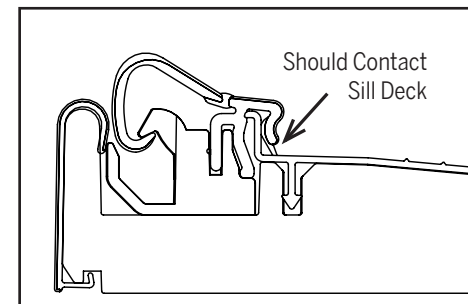
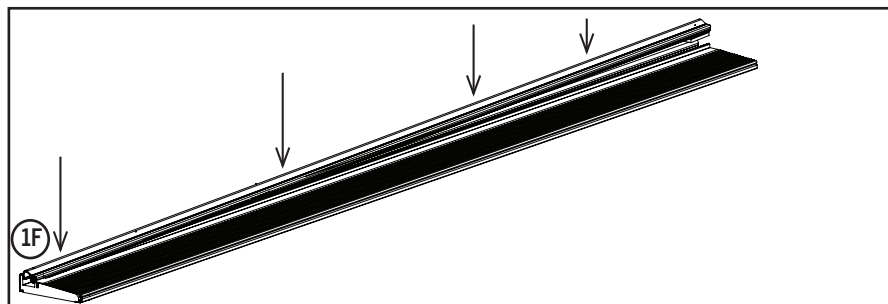
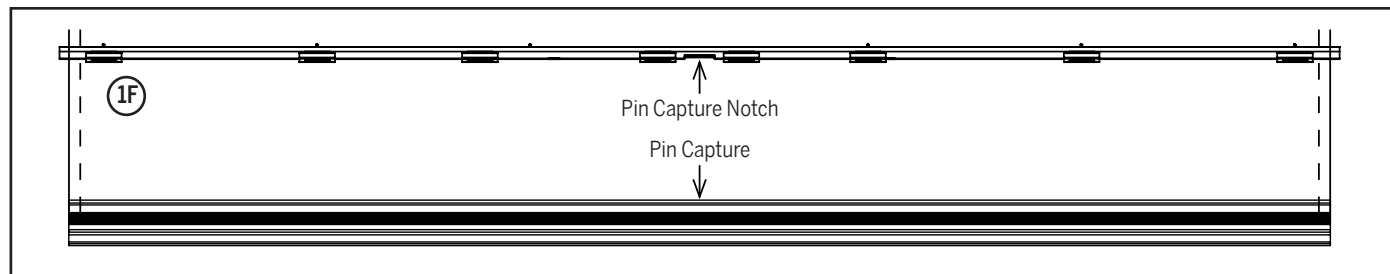
- Insert two provided screws ⑥ into mounting holes on pin capture.



### 3. Install New Cap *French Door Units Only* (Z-AC 1.0 / 1.1 to Z-AC 2.0)

- a) Align the pin capture notch on the loose Z-AC 2.0 (1F) with the pin capture installed in the sill channel, and insert the cap into sill channel.
- b) Apply Pressure to the cap to fully seat cap into place along entire length of sill.

 **Front leg of the cap should touch the deck when seated.**



#### 4. Cutting Down Sill *French Door Units Only* (Z-AC 1.0 / 1.1 to Z-AC 2.0)

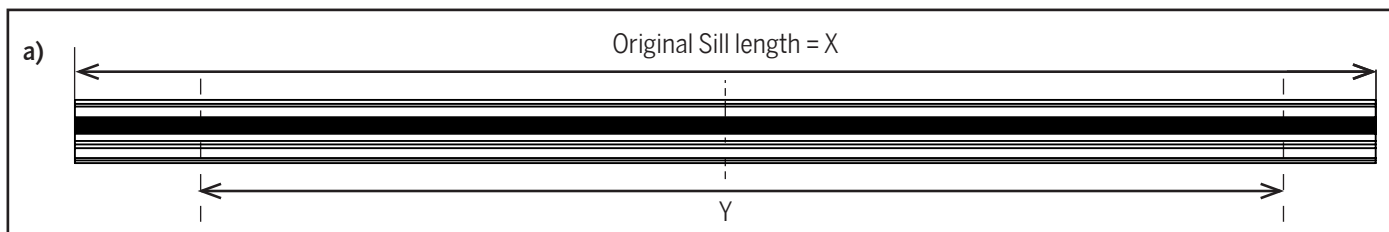


**Note:** Cap notch and bolt hole must remain in the center of the sill.

a. Determine the desired cut down length (1/4" shorter than standard sill length).

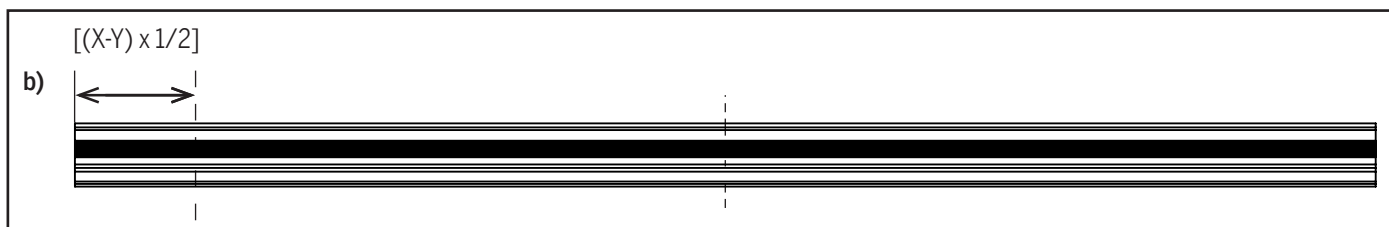
Desired length = Y

Original Sill length = X

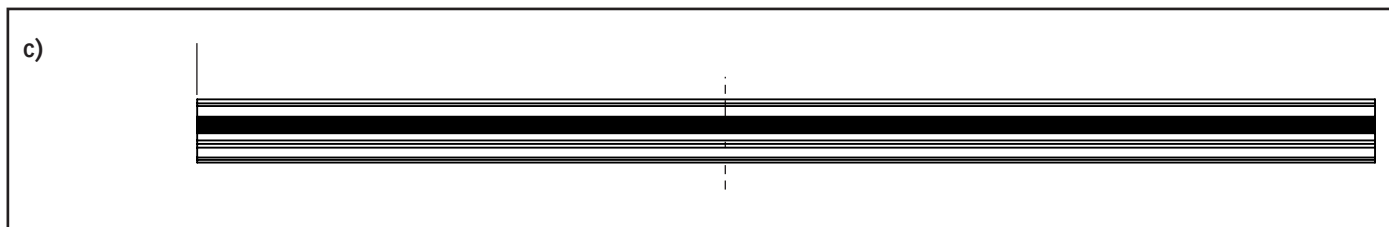


b. Subtract new desired length from the length of the sill and divide result in half.

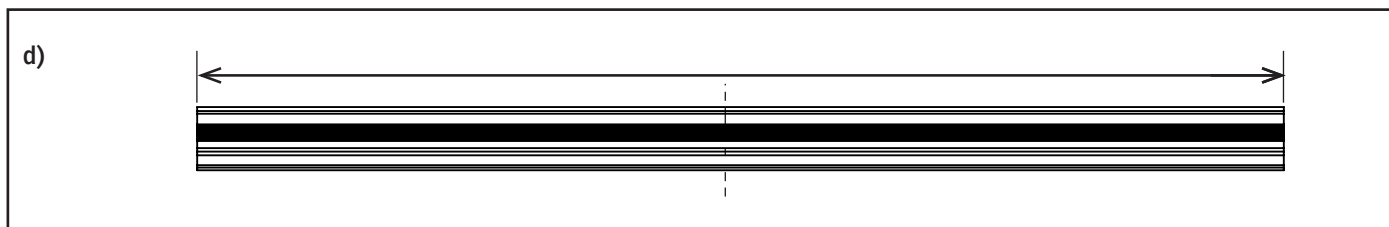
$(\text{Original Sill length} - \text{Desired length}) \times 1/2$



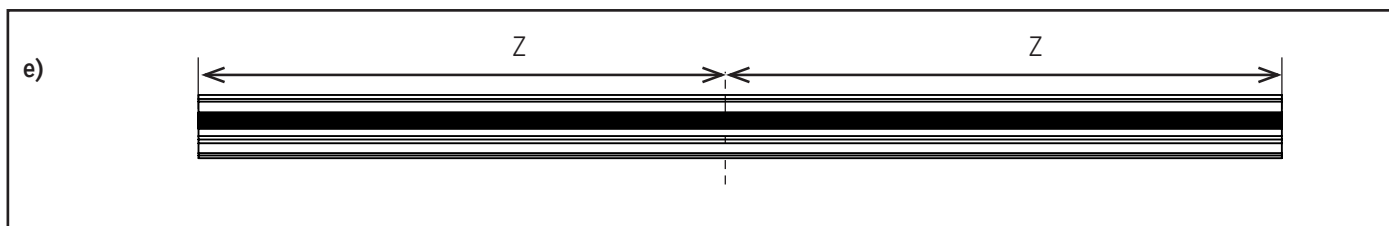
c. Using the measurement from the previous step, cut down one end of the sill. **DO NOT repeat this step on the other side of the sill.** Proceed to step D, which accounts for tolerances in cutting and prevents errors.



d. Measure from cut down end, and mark sill at the desired length found in step A. Cut down other end of the sill to the desired length.



e. Confirm that the cap notch and bolt hole are still in the center of the sill. The sill should be equal in length on either side of the notch and bolt hole.



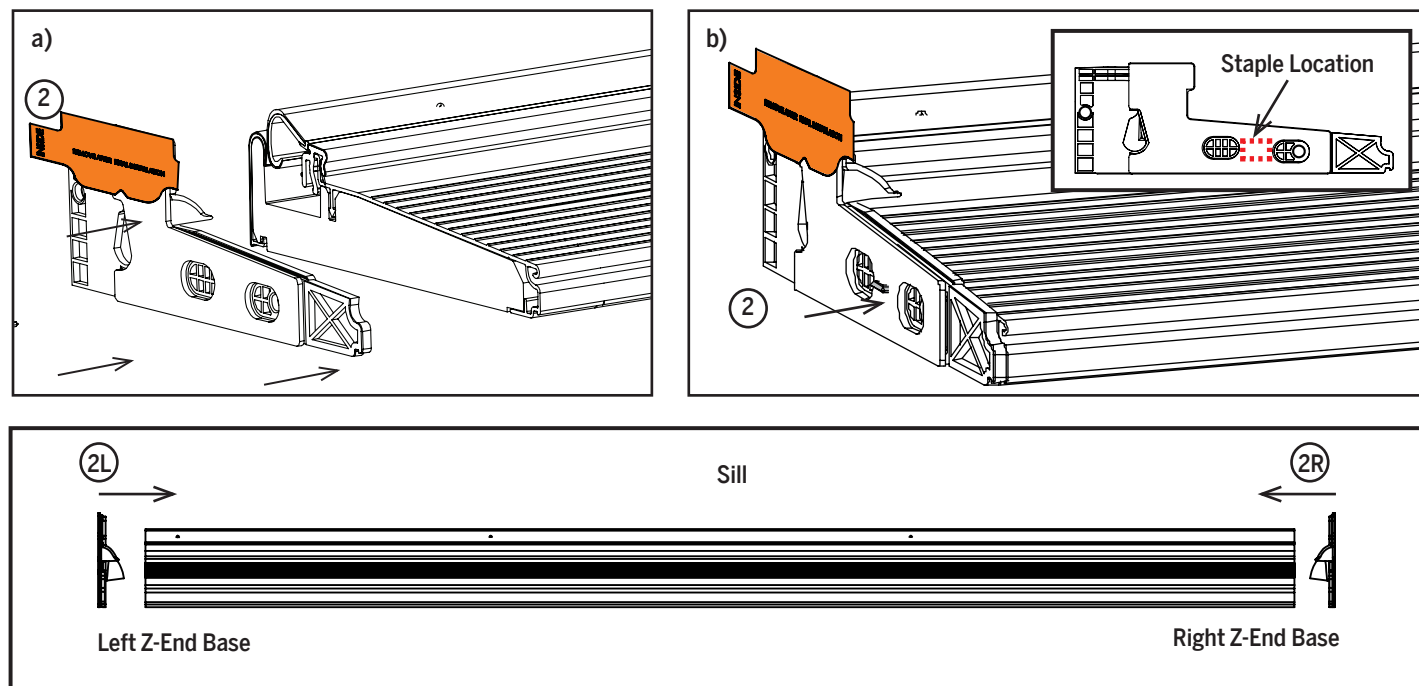


## 5. Installing Z-End Bases (Z-AC 1.0 / 1.1 to Z-AC 2.0) French Door Units

- Align the Z-End Base ②R & ②L with each end of the sill and Z-Articulating Cap then attach.
- Secure Z-End Base ②R & ②L to the sill with a staple on each side of the sill. Repeat at other end of sill if no Sidelite Cap is present.

**⚠ NOTE:** The Z-End Bases are handed and can only be attached one way. The horn should be inserted into the sills channel.

**⚠** Do not remove the orange protective gasket label until cap is fully installed into the door unit.



## Sidelite and Hinged Patio

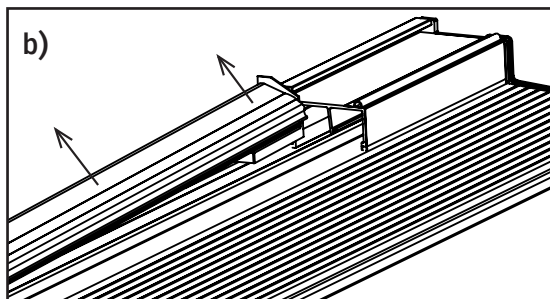
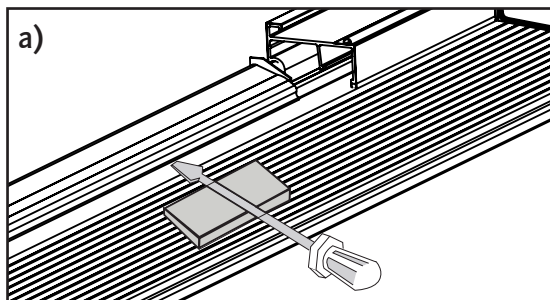
Z-AC 1.0 / 1.1 to Z-AC 2.0

### 1. Remove OLD Z-Articulating Cap (Z-AC 1.0 / 1.1 to Z-AC 2.0) Sidelite and Hinged Patio Door Units



Protect aluminum sill deck with a small wood block to prevent damage when prying off sill cap.

- a) Place a flathead screwdriver under front leg of sill cap at one end. Then pry sill cap up with screwdriver, working from one end to the other.
- b) Pull sill cap out of channel.
- c) Clean any debris out of sill channel.



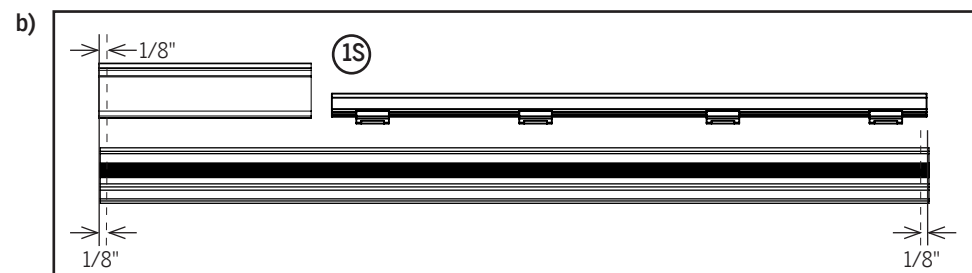
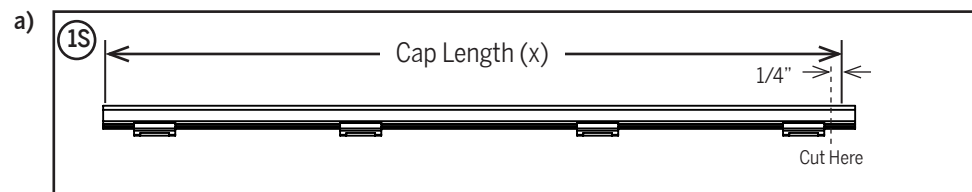
## 2. Cutting Down Cap and Sill (Z-AC 1.0 / 1.1 to Z-AC 2.0) Sidelite and Hinged Patio Door Units

- a) Measure and cut new cap (1S) to match width of active opening (Standard Sill Length) of the sill minus 1/4".
- b) Measure and cut sill to match width of Single Sidelite ZAI Net Active Length minus 1/4".

⚠ 1/8" should be removed from each end of the sill.


⚠ Sidelite Cap Z-AC Application always 1/8" Shorter than Sidelite Cap in ZAI Application

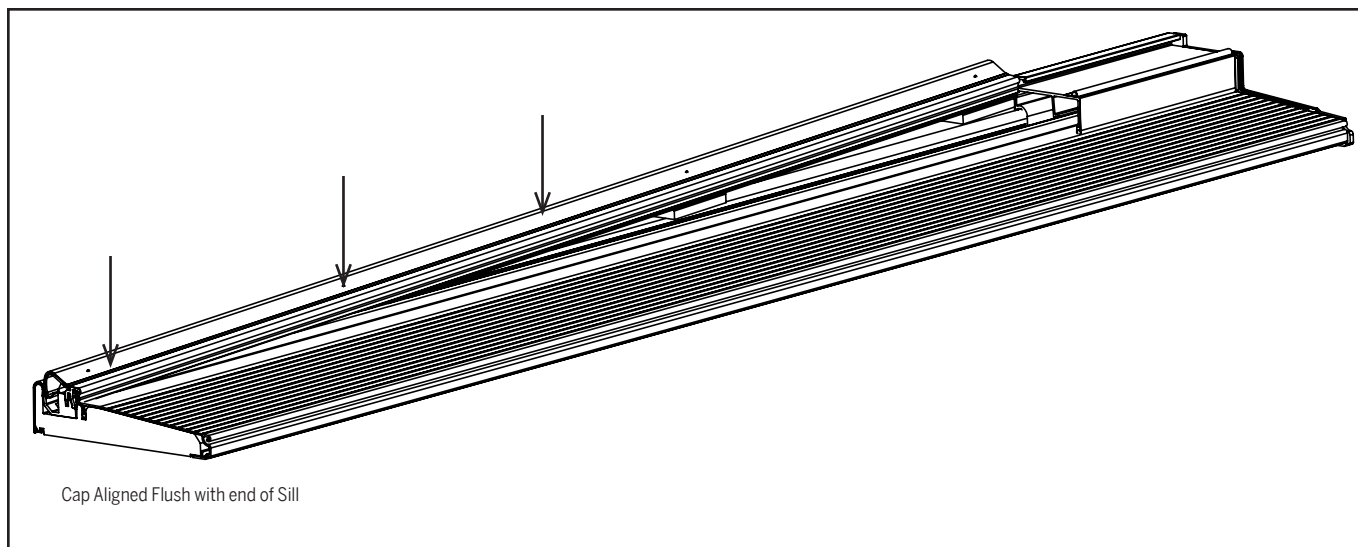
⚠ **CAUTION:** Measure carefully and cut precisely within 1/32" to ensure proper operation. A cap cut too short will not seal correctly.



### 3. Install New Cap (Z-AC 1.0 / 1.1 to Z-AC 2.0) Sidelite and Hinged Patio Door Units

- a) Align loose Z-AC 2.0 flush with one end of the sill and insert cap into sill channel.
- b) Apply Pressure to the cap to fully seat cap into place along entire length of sill.

 Front leg of the cap should touch the deck when seated.



#### 4. Installing Z-End Bases (Z-AC 1.0 / 1.1 to Z-AC 2.0) Sidelite and Hinged Patio Door Units

- a. Align the Z-End Base (2L & 2R) with the of end of the sill and Z-Articulating Cap then attach.

**NOTE:** The Z-End Bases are handed and can only be attached one way. The horn should be inserted into the sills channel.

- b. Secure Z-End Base to the sill with staples. Repeat at other end of sill if no Sidelite Cap is present.

##### Installing the Z-End Base Sidelite Gasket

- a. Align the Z-End Base Sidelite Gasket (4R & 4L) with the of end of the sill and Sidelite Cap then attach.

**NOTE:** The Z-End Base Sidelite Gaskets are handed and can only be attached one way. The horn should be inserted into the sill channel

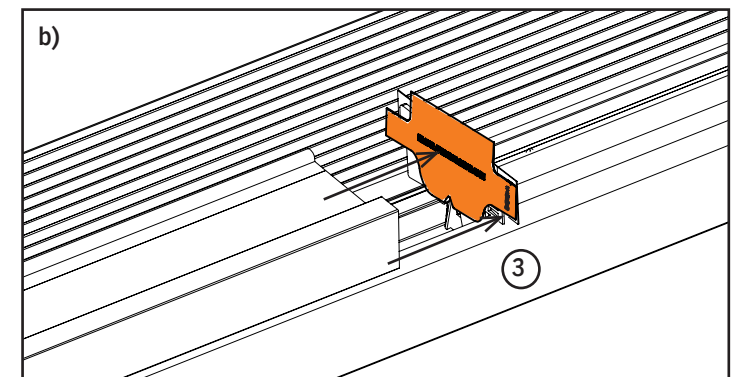
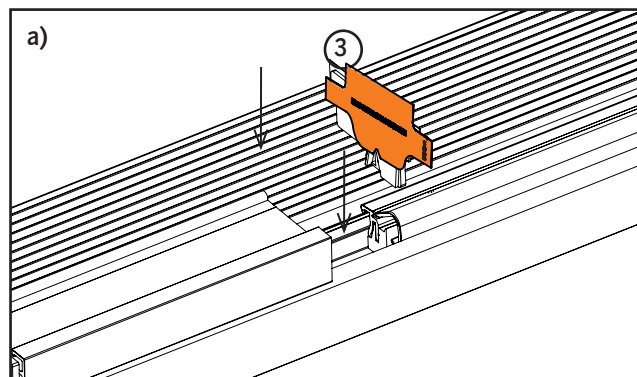
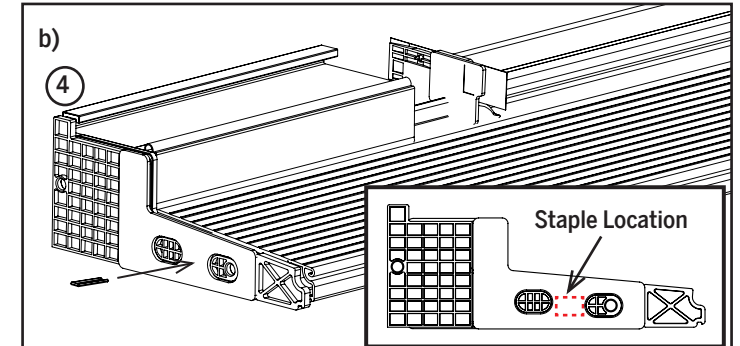
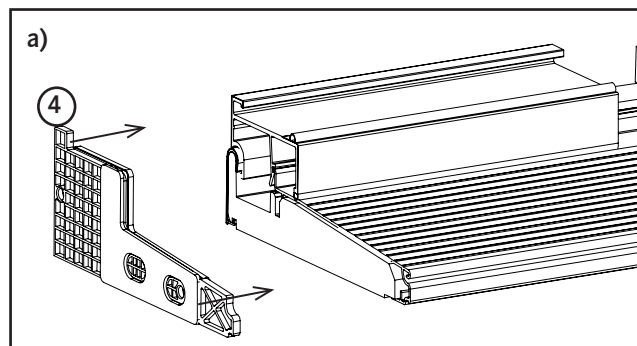
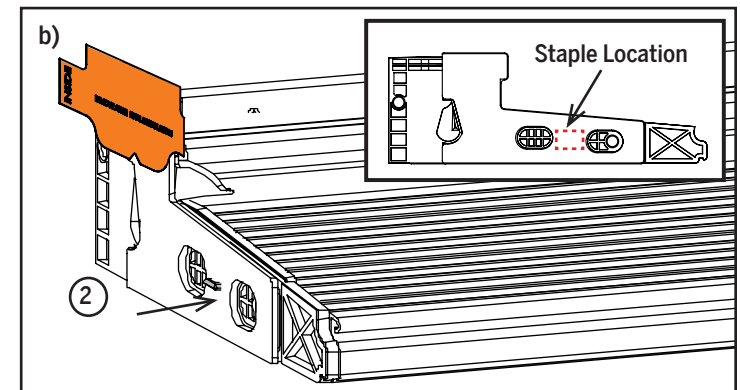
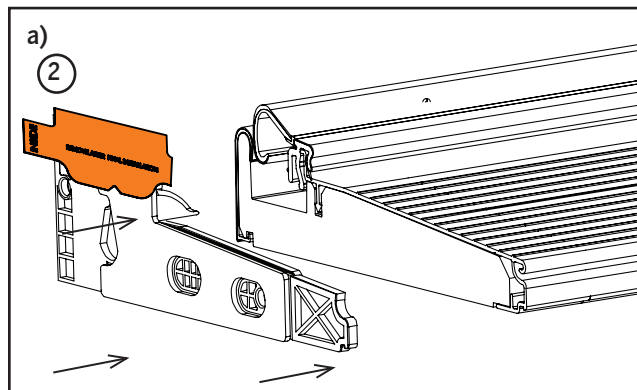
- b. Secure Z-End Base Sidelite Gasket to sill with a staple on each side of the sill. Repeat at other end of sill if a Sidelite Cap is present.

##### Installing the Z-End Base Mull Stiffener

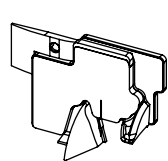
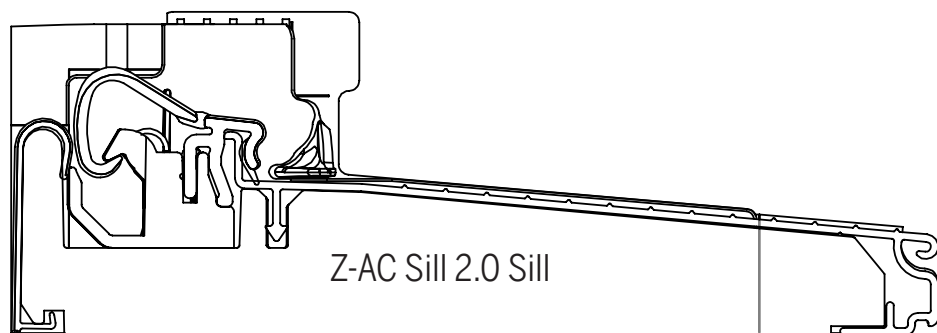
- a. Insert the Z-End Base Mull Stiffener (3R & 3L) into the sill channel between the Z-Articulating Cap and Sidelite Seat.

**NOTE:** The Z-End Base Mull Stiffeners are handed and can only be attached one way. The horn should be inserted into the sill channel

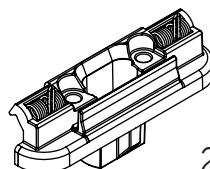
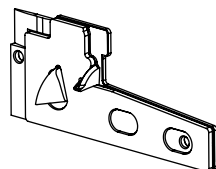
- b. Insert the Z-End Base Mull Stiffener into the sill channel between the Z-Articulating Cap and Sidelite Seat.



## Z-Series Articulating Cap Sill 2.0 (Z-AC 2.0 )



Z-End Base



2.0 Pin Capture  
(French Doors)

### Z-AC 2.0 Features

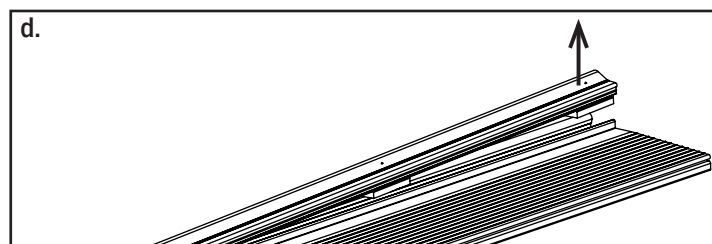
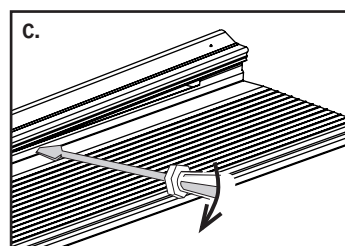
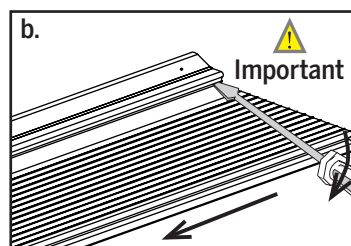
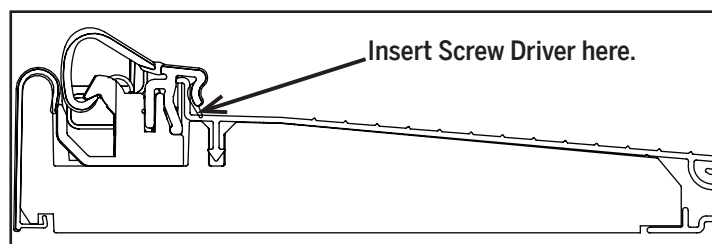
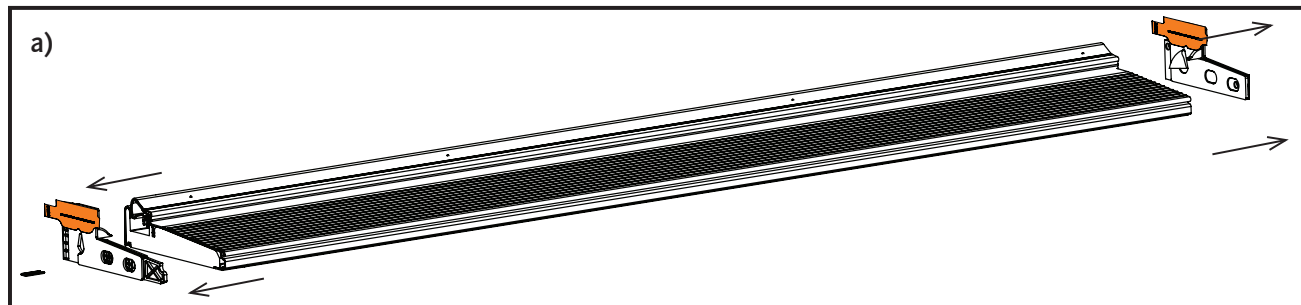
- Slanted Cap
- Z-End Bases with Weatherstrip Locator
- Pin Capture Under Cap

## Single Door Units

Z-AC 2.0 to Z-AC 2.0


### 1. Remove Z-AC 2.0 (Z-AC 2.0 to Z-AC 2.0)

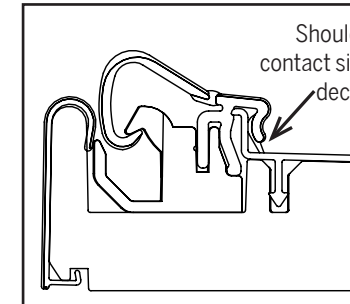
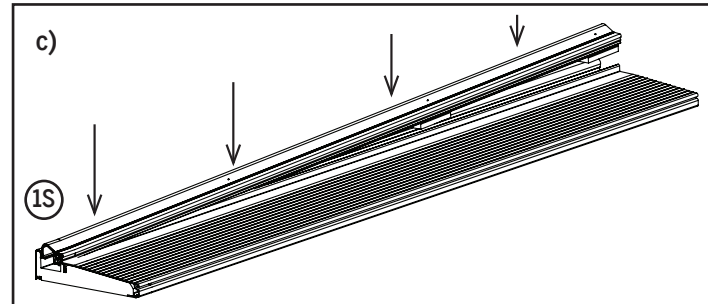
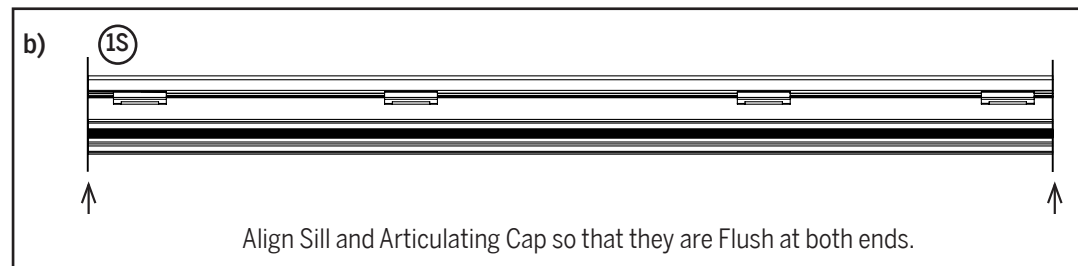
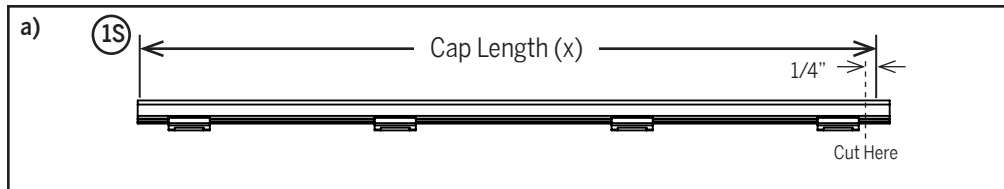
- a) Remove the Z-End Bases from each end of the sill. Using a flat head screwdriver, and pry off both of the old Z-End Bases.
- b) Starting **at the end of the sill**, using a flat head screw driver, insert screw driver head between the front leg of the cap and the sill deck.
- c) Pry the cap up and out of the sill channel along the length of the sill.
- d) Once the end of the cap is no longer attached to the sill, simply pull the cap up and out of the sill.



## 2. Install New Cap (Z-AC 2.0 to Z-AC 2.0) Single Door Units

- a) Measure and cut new cap ①S to match width of active opening (Standard Sill Length) of the sill minus 1/4".
- b) Align loose Z-AC 2.0 1S flush with ends of the sill and insert cap into sill channel.
- c) Apply Pressure to the cap to fully seat cap into place along entire length of sill.


 **Front leg of the cap should touch the deck when seated.**




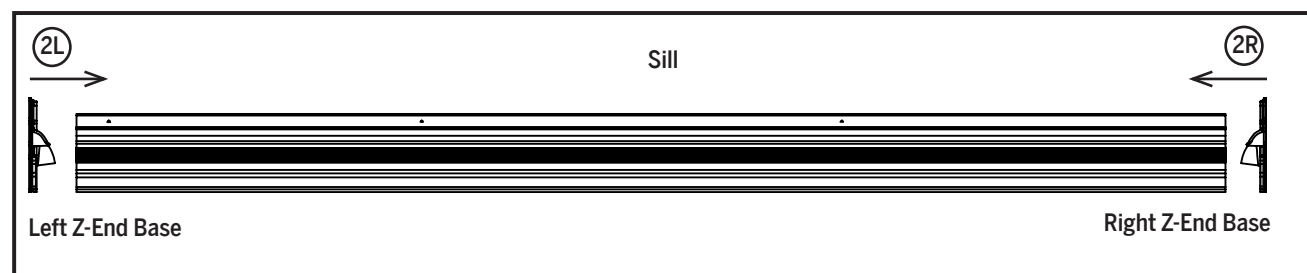
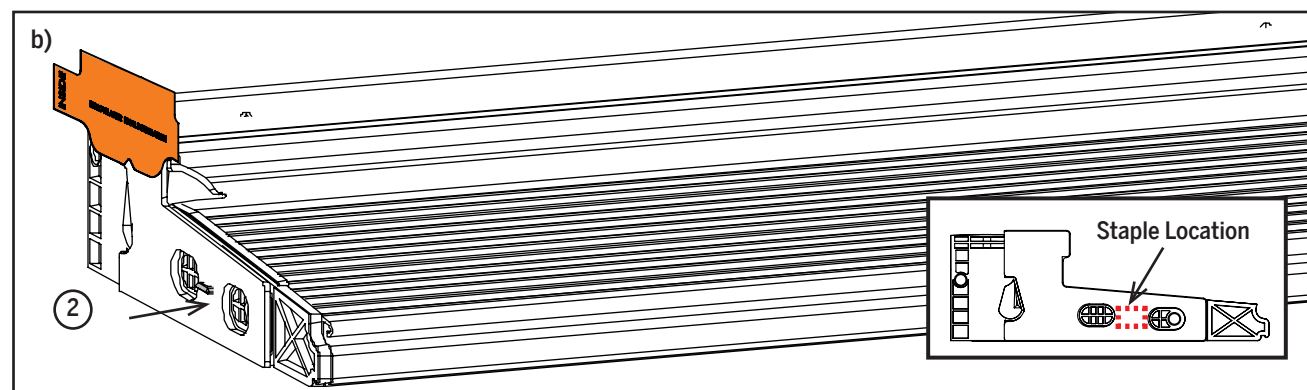
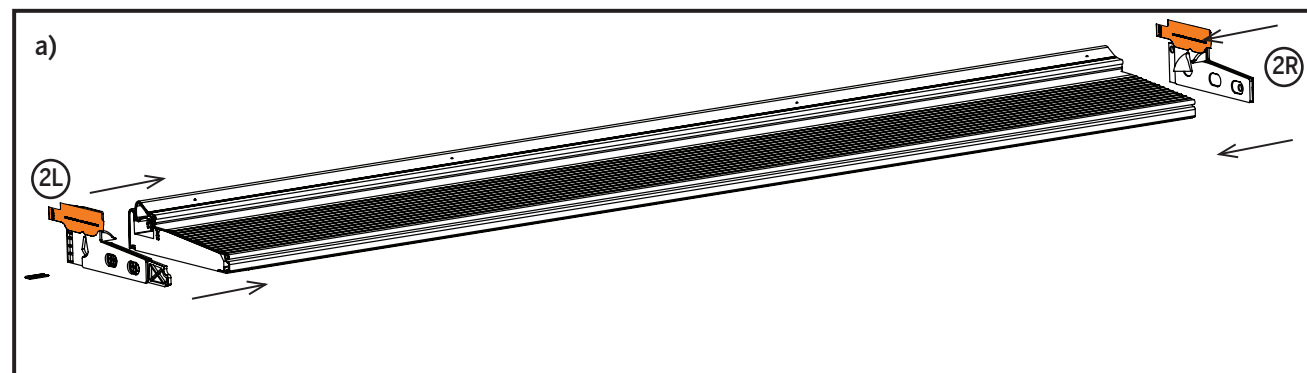


### 3. Installing New Z-End Bases (Z-AC 2.0 to Z-AC 2.0) Single Door Units

- a. Align the Z-End Base ②R & ②L with each end of the sill and Z-Articulating Cap then attach.
- b. Secure Z-End Base ②R & ②L to the sill with a staple on each side of the sill. Repeat at other end of sill if no Sidelite Cap is present.

 **NOTE:** The Z-End Bases are handed and can only be attached one way. The horn should be inserted into the sill channel.

 Do not remove the orange protective gasket label until cap is fully installed into the door unit.

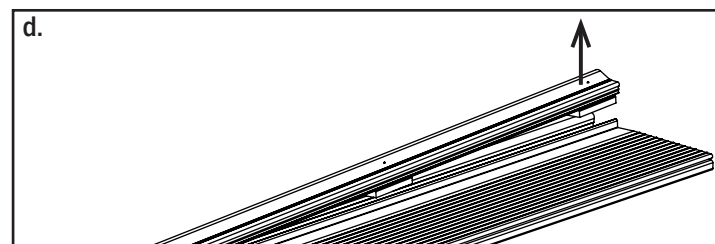
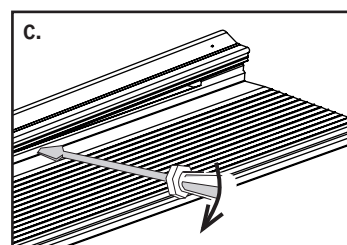
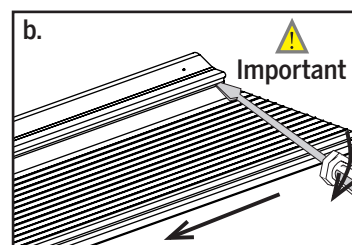
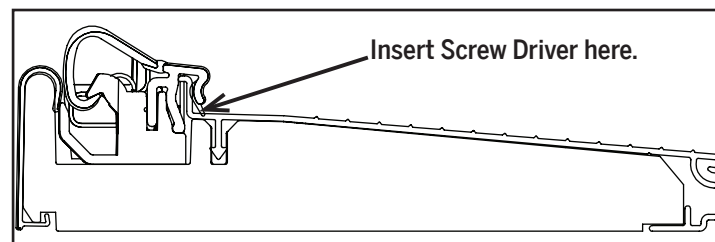
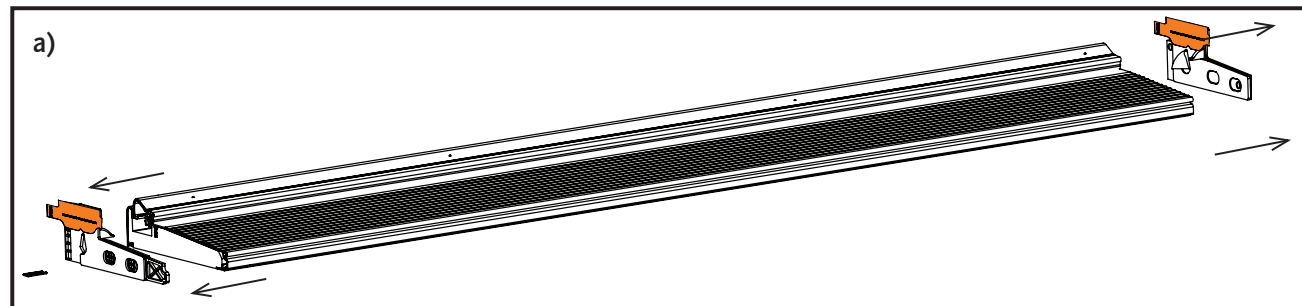


## French Door Units

Z-AC 2.0 to Z-AC 2.0

### 1. Remove Old Z-AC 2.0 (Z-AC 2.0 to Z-AC 2.0) French Door Units

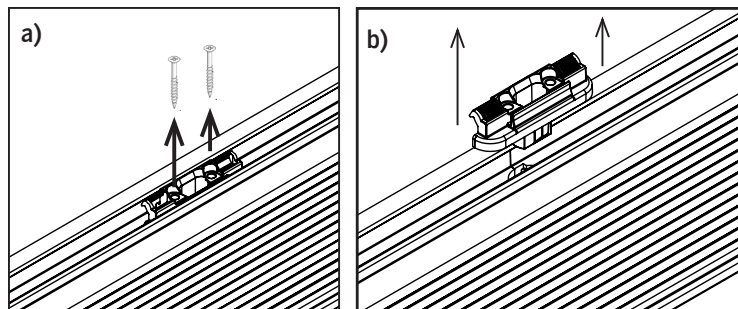
- a) Remove the Z-End Bases from each end of the sill. Using a flat head screwdriver, and pry off both of the old Z-End Bases.
- b) Starting **at the end of the sill**, using a flat head screw driver, insert screw driver head between the front leg of the cap and the sill deck.
- c) Pry the cap up and out of the sill channel along the length of the sill.
- d) Once the end of the cap is no longer attached to the sill, simply pull the cap up and out of the sill.



## 2. Install Pin Capture French Door Units Only

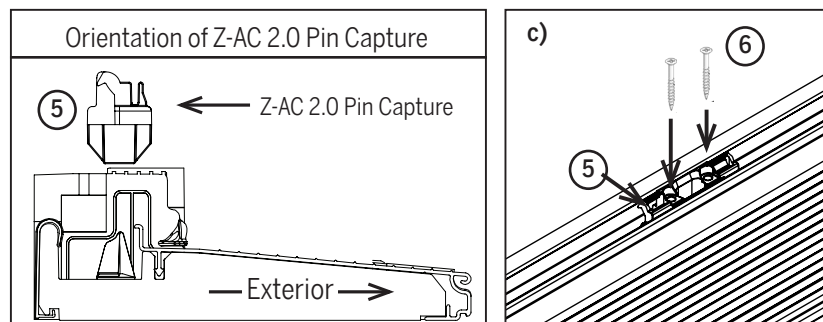
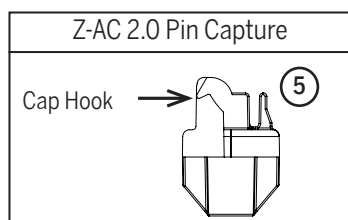
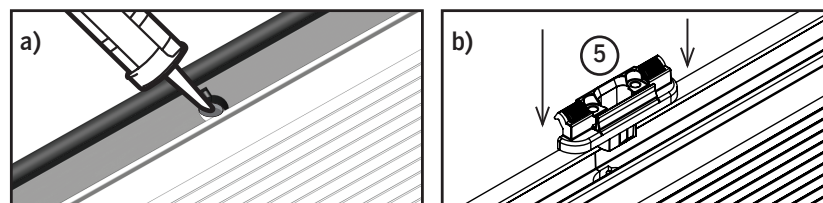
Remove Old Z-AC 2.0 Pin Capture

- a) Remove screw from screw boss on pin capture.
- b) Using a flathead screw driver, pry the pin capture from the sill.



Install New Z-AC 2.0 Pin Capture

- a) Fill bottom of pin capture hole with exterior grade caulking.
- b) Insert pin capture ⑤ into and tap into place with a rubber mallet, if necessary.
- ⚠ Ensure the Pin Capture is properly inserted as shown. The Cap Hook should be facing towards the interior of sill.
- c) Insert two provided screws ⑥ into mounting holes on pin capture.



### 3. Cutting Down Cap (Z-AC 2.0 to Z-AC 2.0) French Door Units Only

**⚠ Note:** Cap notch and bolt hole must remain in the center of the cap.

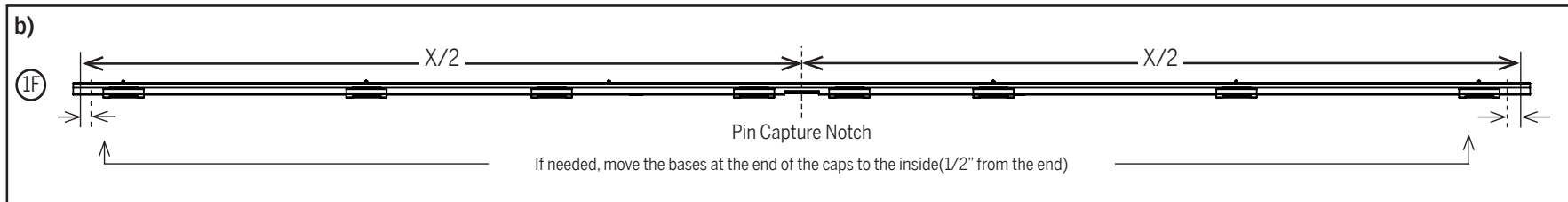
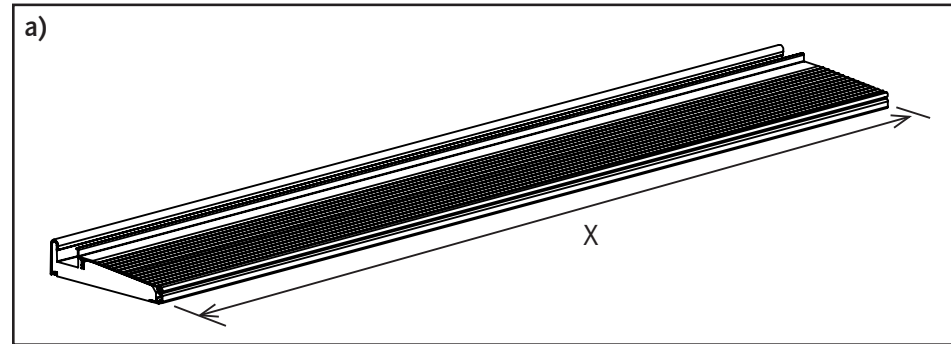
a) Measure the length of the sill without black Z-End Base Assemblies (X).

b) Measure and cut new cap ①F to match length of the sill.

- Cut on both ends to ensure notch remains in center cap.
- Cap should be the same length on each side of the center of notch - Approximately  $1/2$  of sill length ( $X/2$ ).


**⚠ CAUTION:** Measure carefully and cut precisely within  $1/32$ " to ensure proper operation. A cap cut too short will not seal correctly.

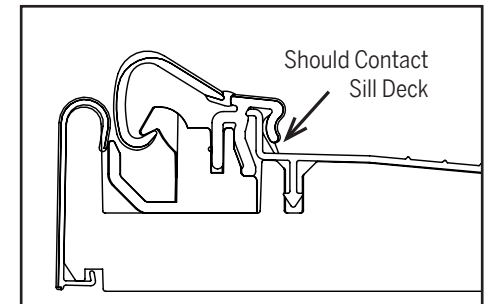
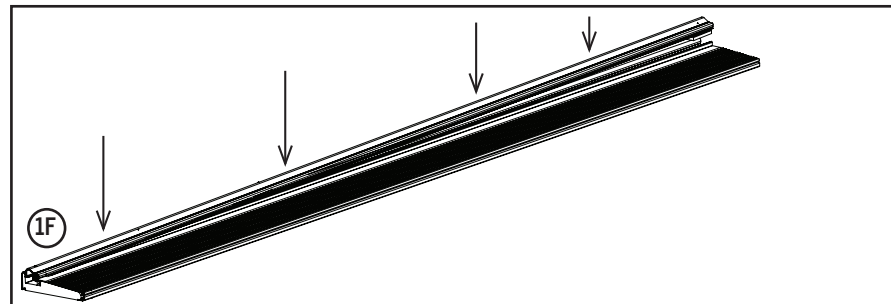
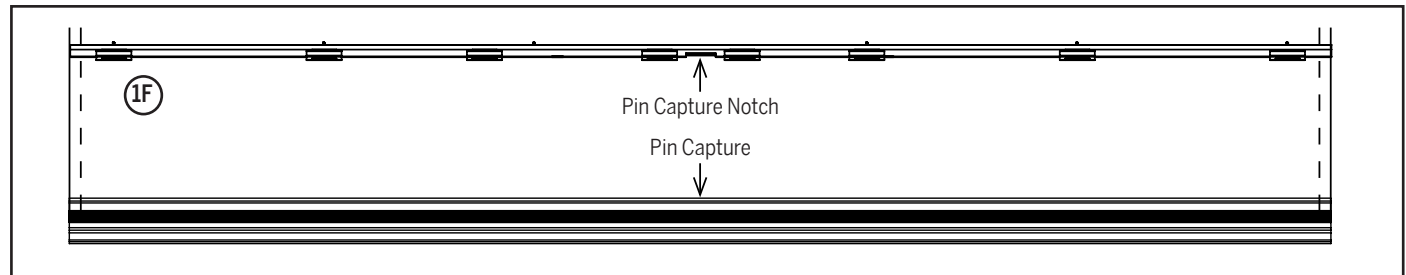
**⚠ Note:** With Replacement of Existing Z-AC 2.0, sill length has been cut down to accommodate Z-End Bases. New Z-AC 2.0 Cap Should be the same length as the old Z-AC 2.0 cap.



#### 4. Install New Cap (Z-AC 2.0 to Z-AC 2.0) French Door Units Only

- a) Align the pin capture notch on the loose Z-AC 2.0 (1F) with the pin capture installed in the sill channel, and insert the cap into sill channel.
- b) Apply Pressure to the cap to fully seat cap into place along entire length of sill.

 Front leg of the cap should touch the deck when seated.

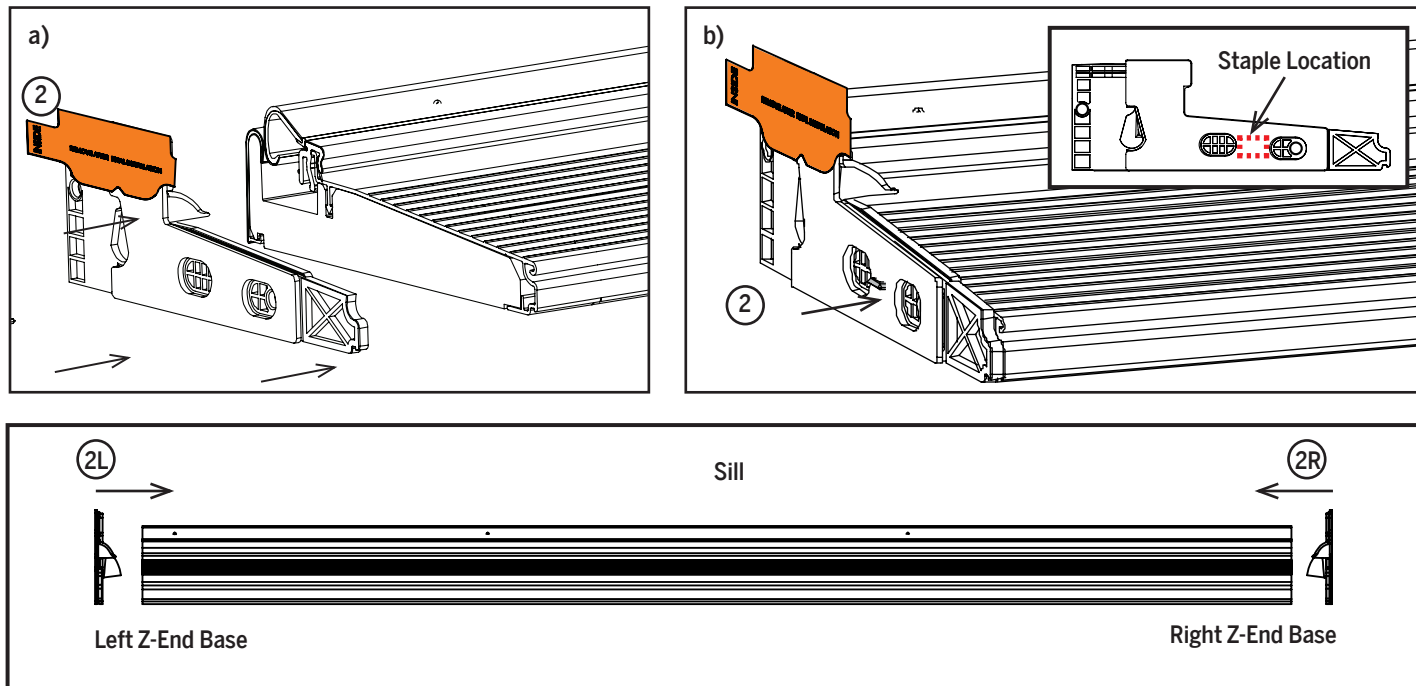


### 5. Installing Z-End Bases (Z-AC 2.0 to Z-AC 2.0) French Door Units

- a. Align the Z-End Base ②R & ②L with each end of the sill and Z-Articulating Cap then attach.
- b. Secure Z-End Base ②R & ②L to the sill with a staple on each side of the sill. Repeat at other end of sill if no Sidelite Cap is present.

**⚠ NOTE:** The Z-End Bases are handed and can only be attached one way. The horn should be inserted into the sill channel.

**⚠** Do not remove the orange protective gasket label until cap is fully installed into the door unit.

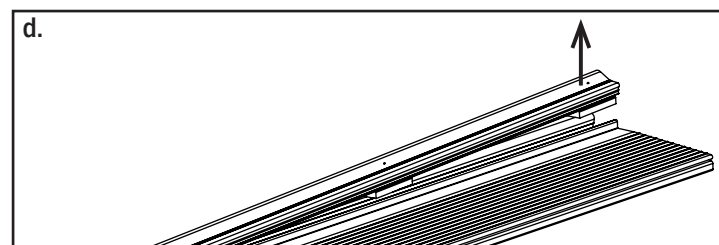
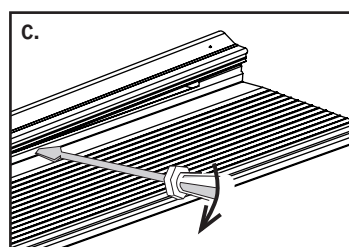
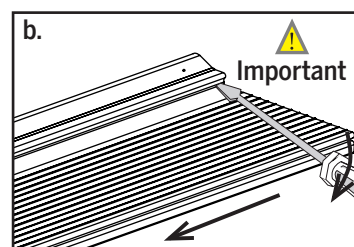
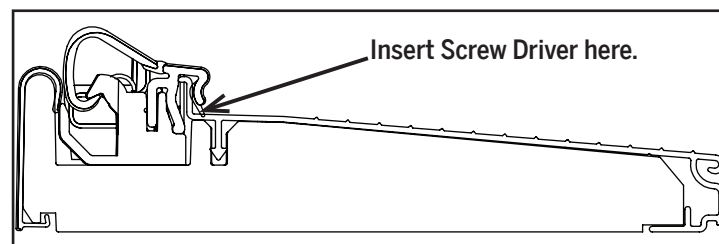
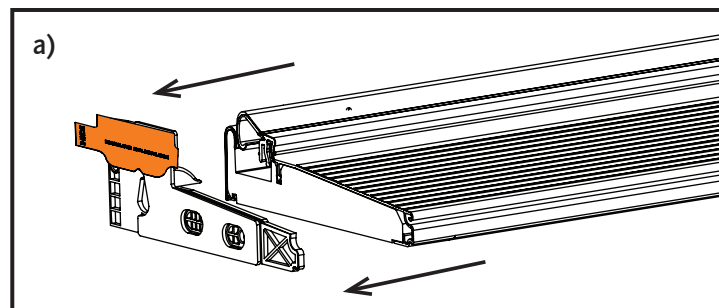


## Sidelite and Hinged Patio

Z-AC 2.0 to Z-AC 2.0

### 1. Remove OLD Z-Articulating Cap (Z-AC 2.0 to Z-AC 2.0) Sidelite and Hinged Patio Door Units

- a) Remove the Z-End Bases from each end of the sill that does not have a Sidelite Cap. Using a flat head screwdriver, pry off the old Z-End Base.
- b) Starting **at the end of the sill**, using a flat head screw driver, insert screw driver head between the front leg of the cap and the sill deck.
- c) Pry the cap up and out of the sill channel along the length of the sill.
- d) Once the end of the cap is no longer attached to the sill, simply pull the cap up and out of the sill.

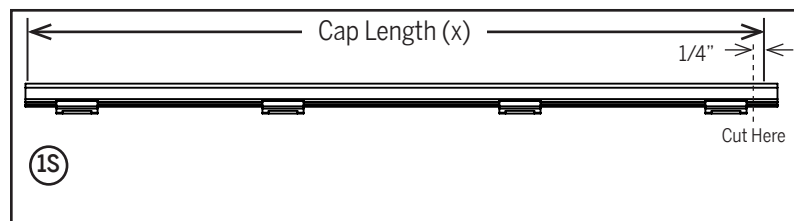


## 2. Cutting Down Cap and Sill (Z-AC 2.0 to Z-AC 2.0) Sidelite and Hinged Patio Door Units

- a) Measure and cut new cap (1S) to match width of active opening (Standard Sill Length) of the sill minus 1/4".
- b) Measure and cut new cap to match width of active opening (Standard Sill Length) of the sill minus 1/4".

**Note:** With Replacement of Existing Z-AC 2.0, sill length has been cut down to accommodate Z-End Bases. New Z-AC 2.0 Cap Should be the same length as the old Z-AC 2.0 cap.

**CAUTION:** Measure carefully and cut precisely within 1/32" to ensure proper operation. A cap cut too short will not seal correctly.



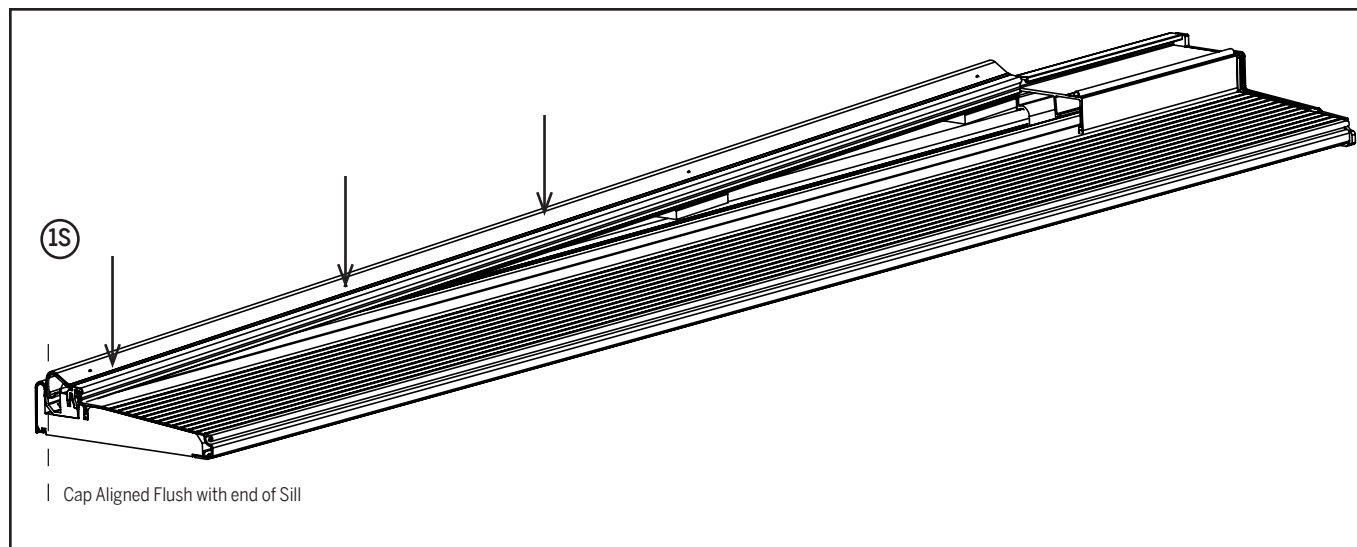


### 3. Install New Cap (Z-AC 2.0 to Z-AC 2.0) Sidelite and Hinged Patio Door Units

- a) Align loose Z-AC 2.0 ①S flush with one end of the sill and insert cap into sill channel.
- b) Apply Pressure to the cap to fully seat cap into place along entire length of sill.



Front leg of the cap should touch the deck when seated.

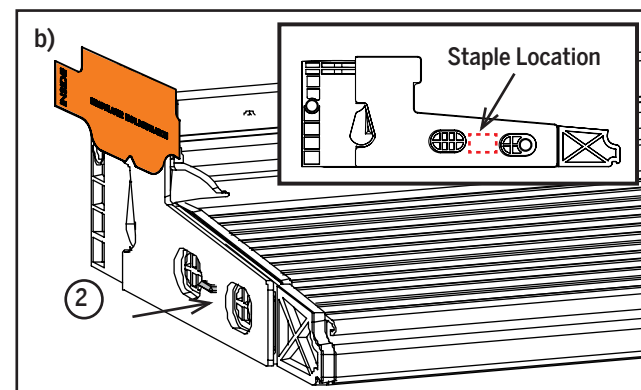
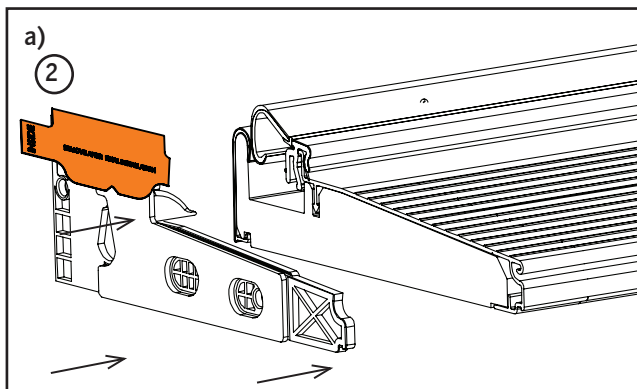


#### 4. Installing Z-End Bases (Z-AC 2.0 to Z-AC 2.0) Sidelite and Hinged Patio Door Units

- a. Align the Z-End Base (2R) & (2L) with the of end of the sill and Z-Articulating Cap then attach.

**NOTE:** The Z-End Bases are handed and can only be attached one way. The horn should be inserted into the sill channel.

- b. Secure Z-End Base to the sill with a staple. Repeat at other end of sill if no Sidelite Cap is present.

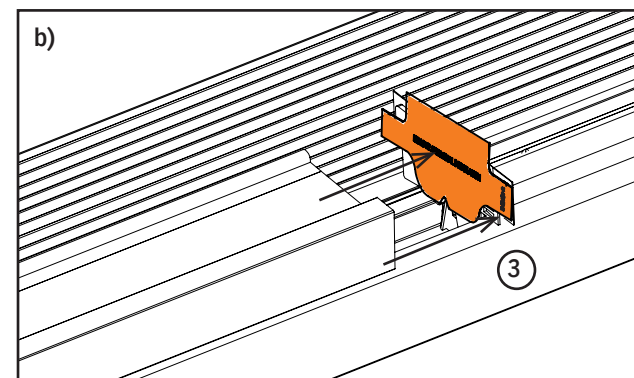
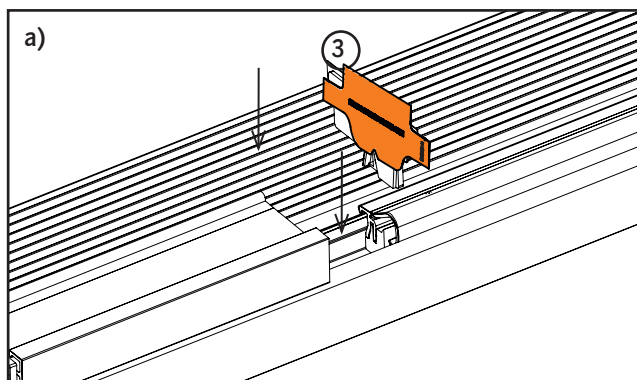


#### Installing the Z-End Base Mull Stiffener

- a. Insert the Z-End Base Mull Stiffener (3R) & (3L) into the sill channel between the Z-Articulating Cap and Sidelite Seat.

**NOTE:** The Z-End Base Mull Stiffeners are handed and can only be attached one way. The horn should be inserted into the sill channel.

- b. Insert the Z-End Base Mull Stiffener into the sill channel between the Z-Articulating Cap and Sidelite Seat.



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