Link to
assembly videos

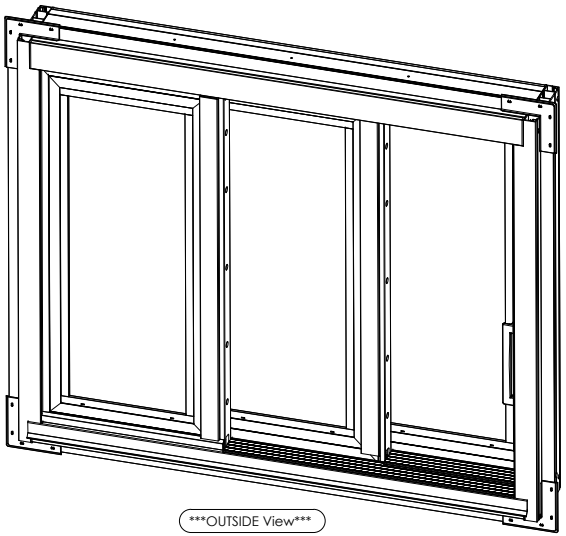
CELESTA Impact Multi-Track Patio Door

S-8385 [OXX]

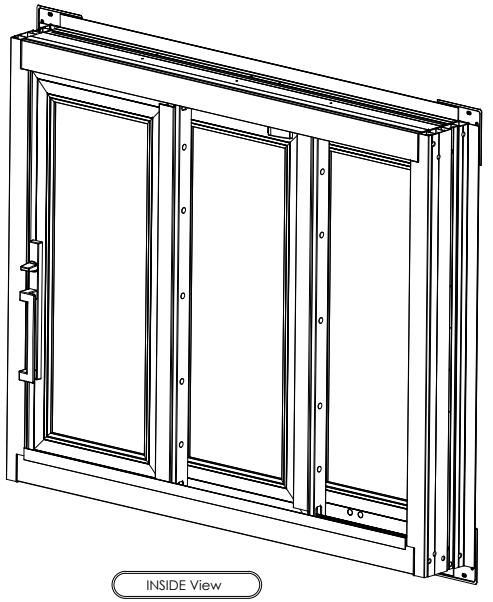
REVISION:
2021/03/10

On site Assembly Instructions

09950.00.GI.8385.OXX.A



OUTSIDE View



INSIDE View

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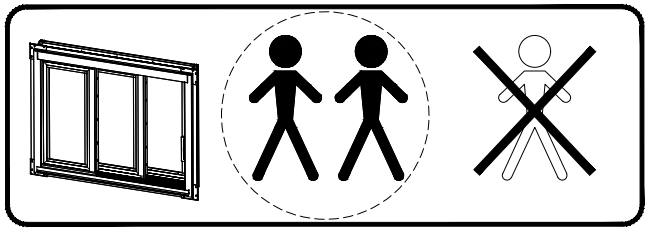
List of Required Tools



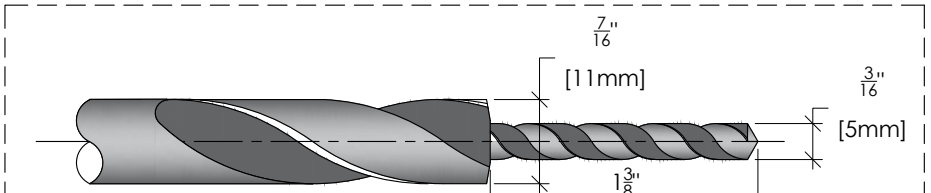
Assembly required by 2 people
IMPORTANT

Impact
(1X)

Drill Bits
(min.2X)

7/16" [11mm]

3/16" [4.8mm]



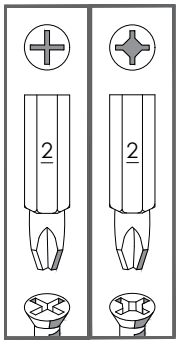
Step Drill (min.1X)
OPTION - See P12

7/16" [11mm]

3/16" [5mm]

1 3/8" [35mm]

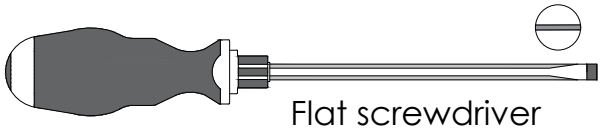
Screwdriver Bit
Quadrex 6" #2 (1X)



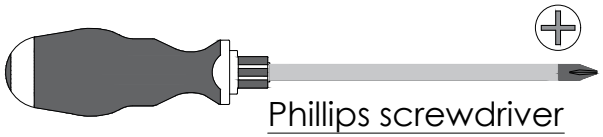
Screwdriver Bits
(2X)

Pencil
(1X)

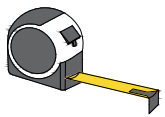
Rubber Mallet
(1X)



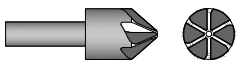
Flat screwdriver
(1X)



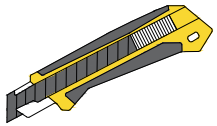
Phillips screwdriver
(1X)



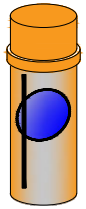
Measuring Tape
(1X)



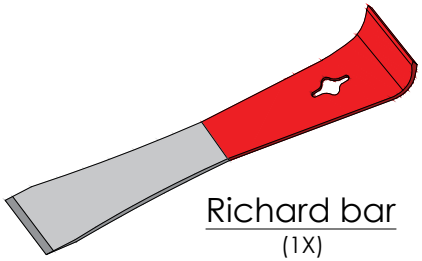
Countersink
(for #8 screw)
(min.1X)



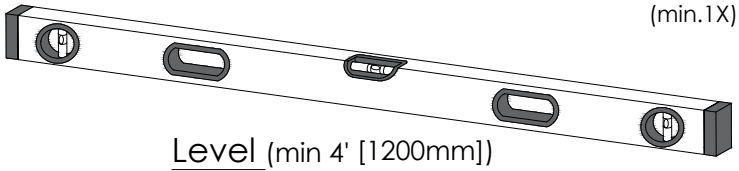
Knife
(1X)



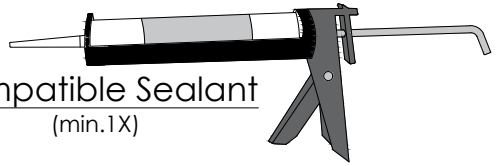
Invisible Lubricant
Silicone
(1X)



Richard bar
(1X)



Level (min 4' [1200mm])
(1X)



Compatible Sealant
(min.1X)

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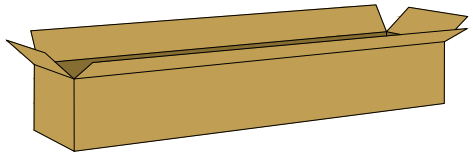
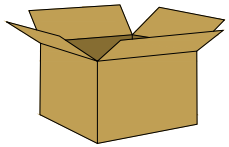
List of Packaging Boxes

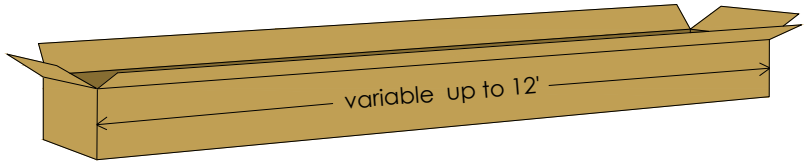


Jambs box
(1X)

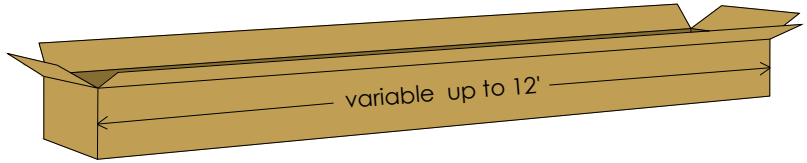


Hardware Box
(1X)

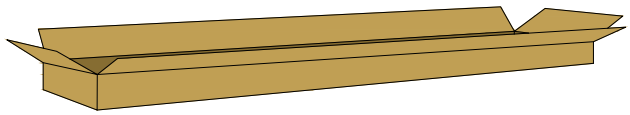
Head Box
(1X)



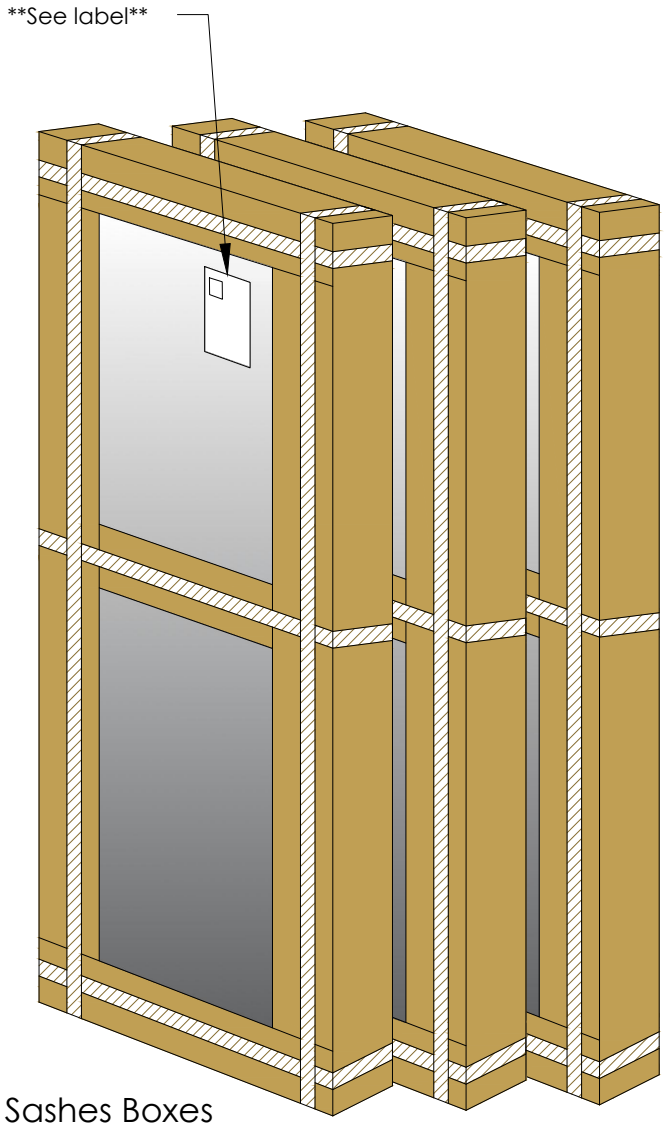
Sill Box
(1X)



OPTION



**Screen Box **
(1X)



Sashes Boxes
(3X)

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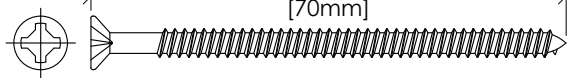
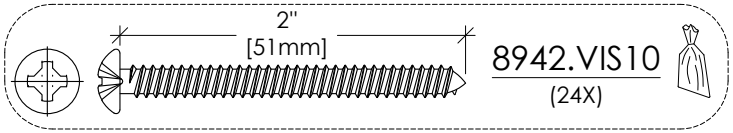
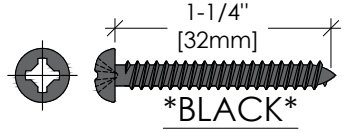
08375.58.SACn1.3V : FRAME & SASH Hardware bag



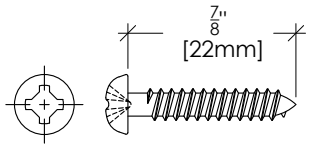
9619.VIS08
(6X)



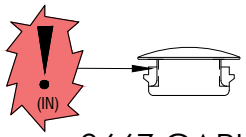
8942.VIS10
(24X)



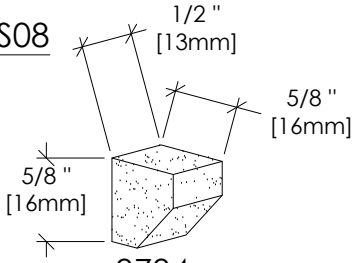
8941.VIS08
(2X)



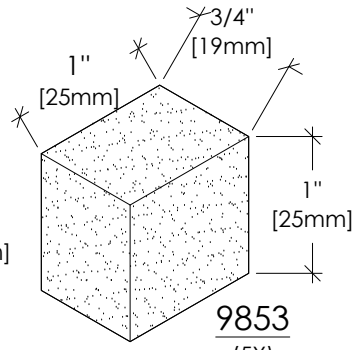
9876.VIS08
(4X)



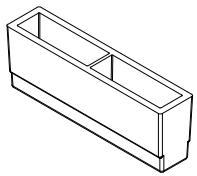
9667.CAPUC
(4X)



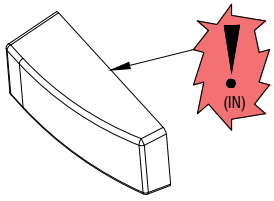
8784
(1X)



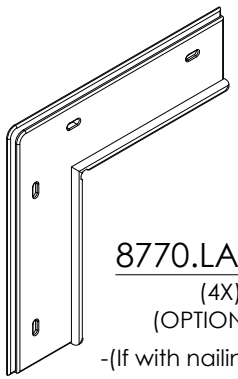
9853
(5X)



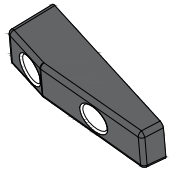
8397.58.ANCVS
(1X)



8389.CAPEV
(1X)

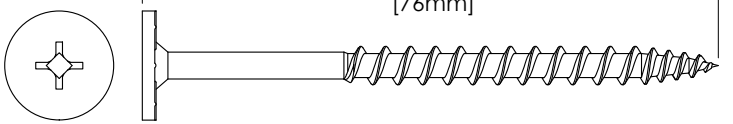


8770.LAMCO
(4X)
(OPTION)
-(If with nailing fine)

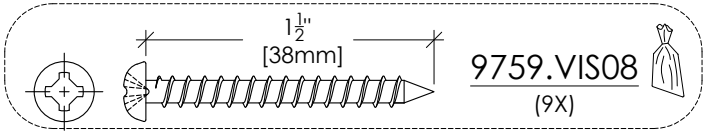


8389.ARREV
(1X)

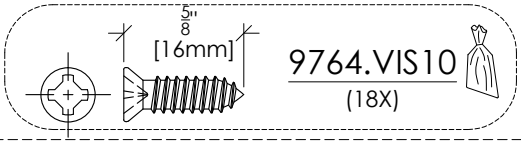
09750.58.S8385.3V : Installlation bag



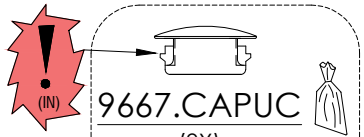
9683.VIS10
(30X)



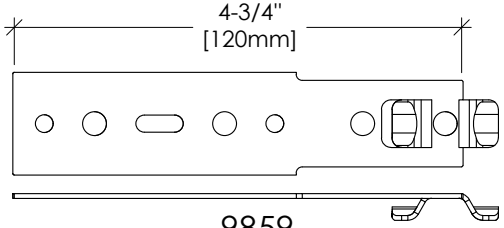
9759.VIS08
(9X)



9764.VIS10
(18X)



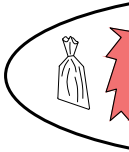
9667.CAPUC
(9X)
OPTION



9859
(9X)

A

IMPORTANT:
Hardware are provided for Installation in Wood-frame construction.
****Nails or Tapcon screws are NOT provided.***



If painted door (OUT= Outside) or (IN=Inside), rather use parts on red bag in Sill box &/or Sash box.

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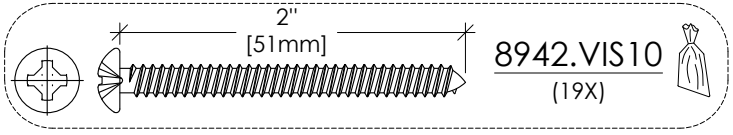
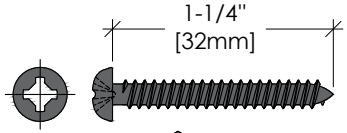
(Continued) Validation of the Hardware

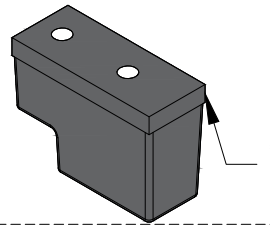
08380.00.SACn2.3V : HEAD Hardware bag



8942.VIS10
(19X)



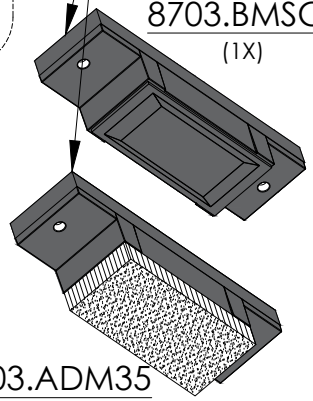
8941.VIS08
(8X)
BLACK



8940
(1X)

Assembled with shim 8789

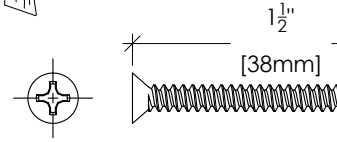
Assembled with foam 8373



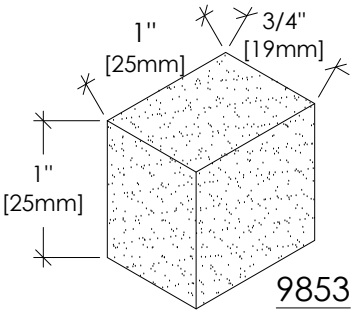
8703.BMSCF
(1X)

00703.ADM35
(2X)

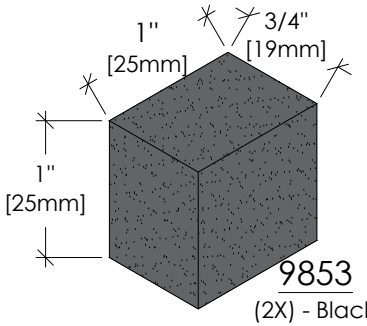
08385.54.EXTRA.3V: EXTRA Bag - IMPACT



9752.SS.VIS06
(13X)

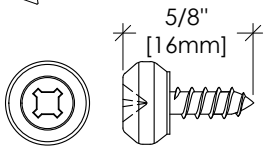


9853
(2X)- White

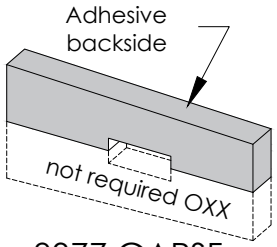


9853
(2X) - Black
(*OPTION*)

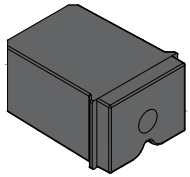
08375.58.SACn3.3V : FINISHED Hardware bag



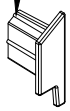
8813.VIS10
(4X)



8377.GAPSF
(1X)

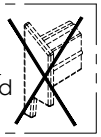


9150.CAPUC
(2X)



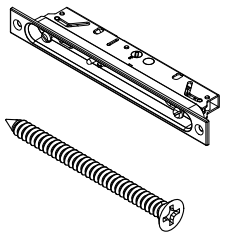
8395.58.CAPVS.D
(1X)

8395.58.CAPVS.G
(1X) not required OXX



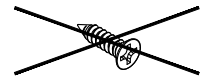
09250.SS.KT.ENS2P : SS Lock & Keeper bag

9250.SS.SER2P
(1X)



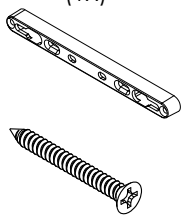
Screw
#10 x 2-1/2"
(2X)

* Not required *



9149.SS.VISME
(#10 x ¾")
(2X)

9250.SS.GACHE
(1X)



9250.SS.VISGA
(#10 x 1-3/4")
(4X)

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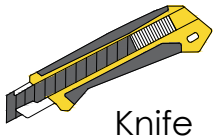
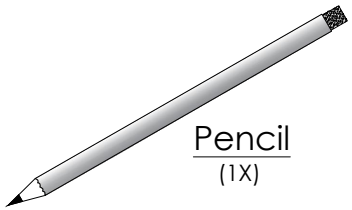
Validation of HEAD Box & Preparation

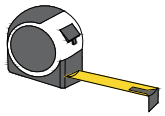
Tools and hardware required for this step



Knife
(1X)

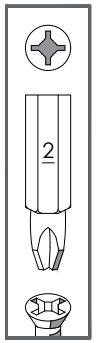


Pencil
(1X)



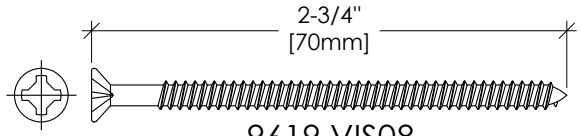
Measuring Tape
(1X)

Impact
(1X)

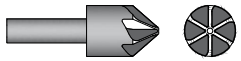


Screwdriver Bit
(1X)

08375.58.SACn1.3V : FRAME & SASH Hardware bag



9619.VIS08
(6X)



Countersink
(for #8 screw)
(min.1X)

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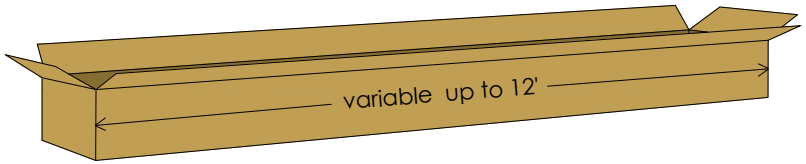
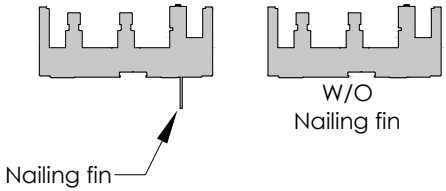
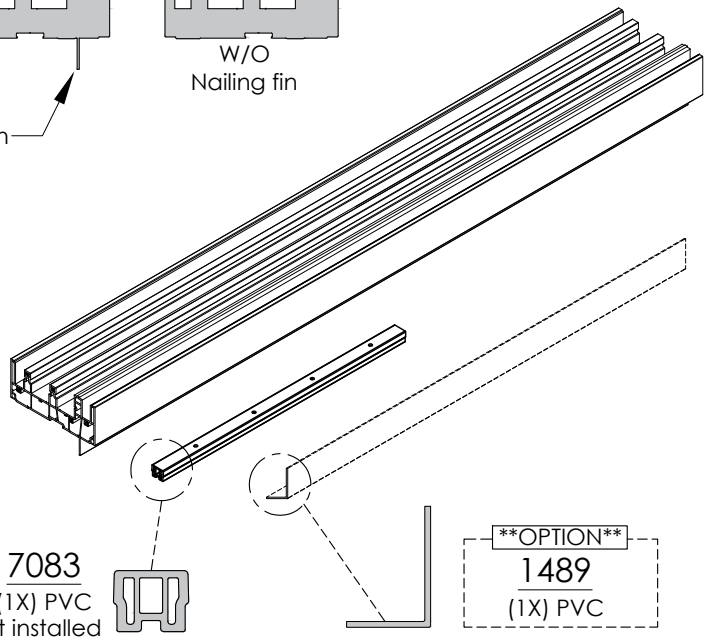
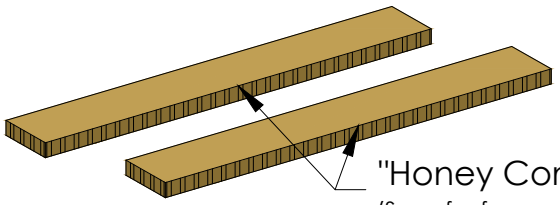
(Continued) Validation of HEAD Box & Preparation





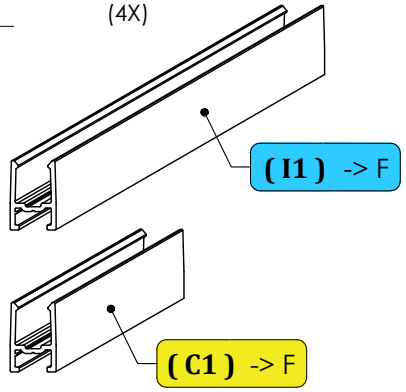


(Screen OPTION only)

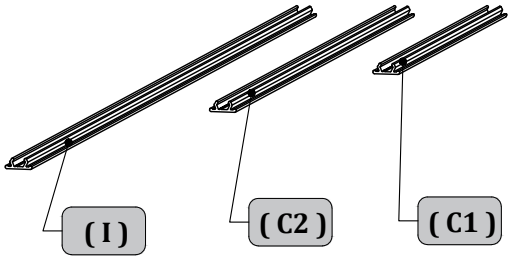


8321
(4X)

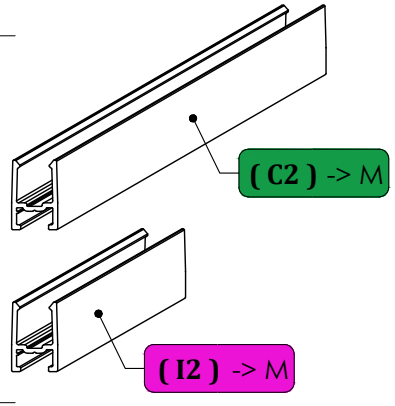
1 HOLE



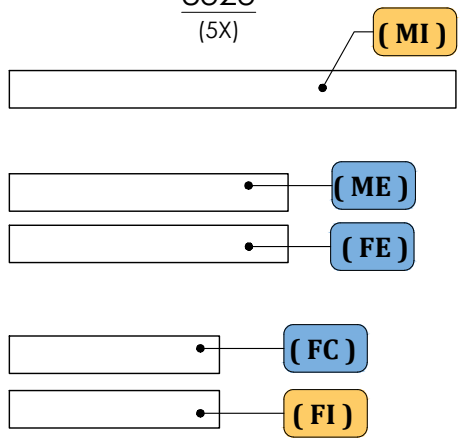
8331
(3X)



MANY HOLES



8323
(5X)



A **Save components 8321 - 8323 - 8331 into the Head box for further installation. (See Step 8 to 14)**

****If Screen OPTION** : Save also component 1489 for further installation. (See Step 21)**

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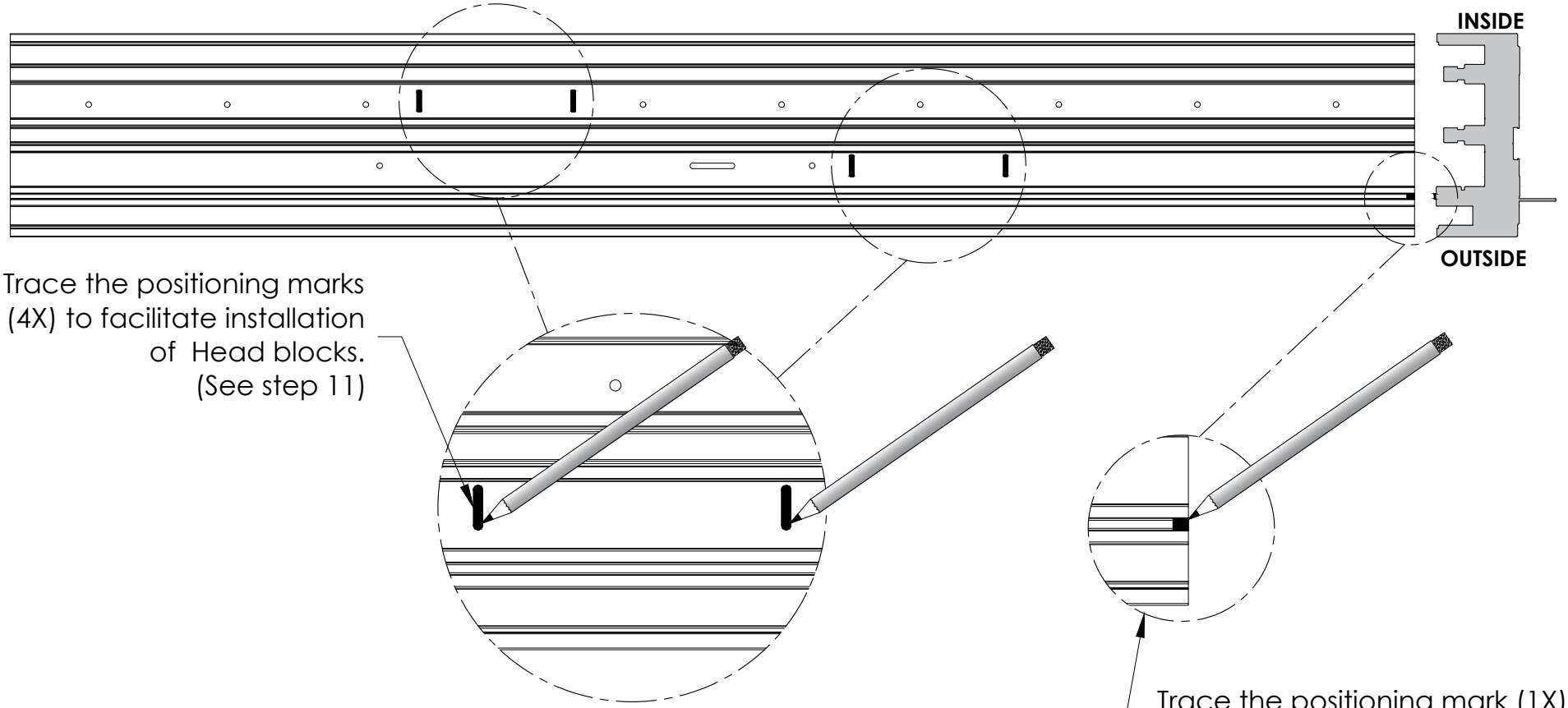

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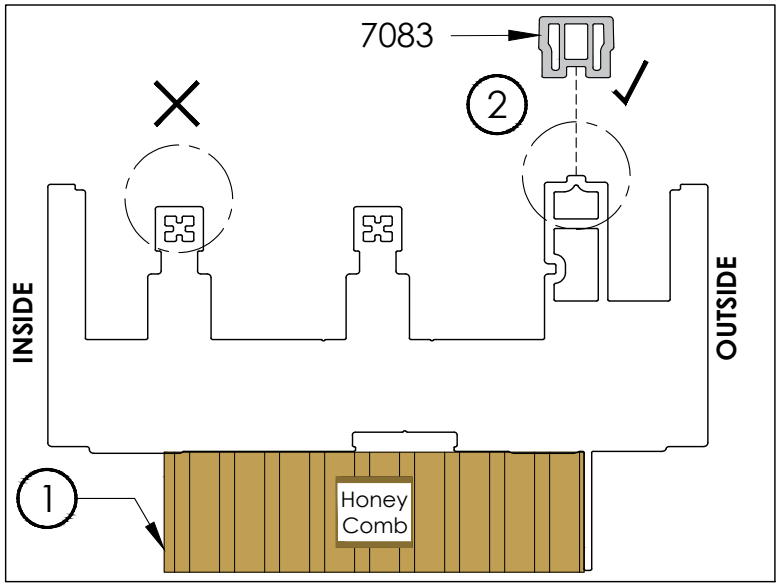
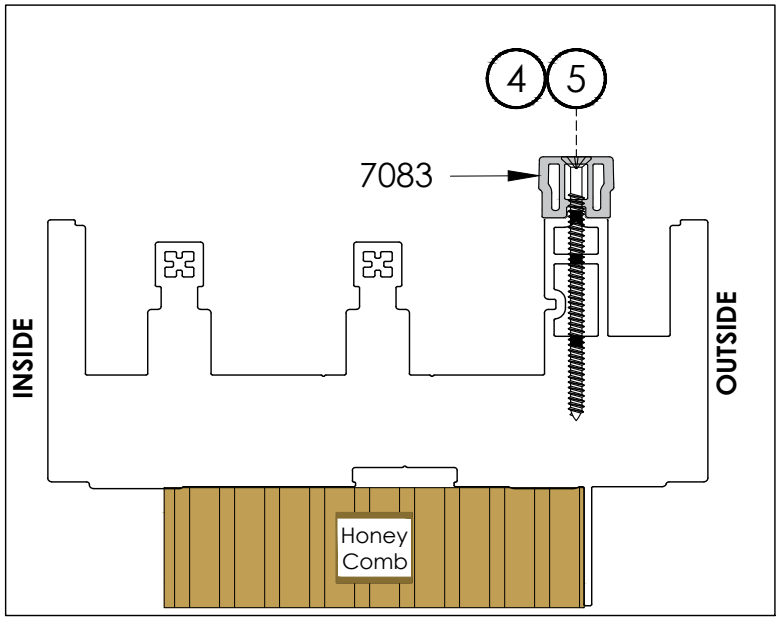
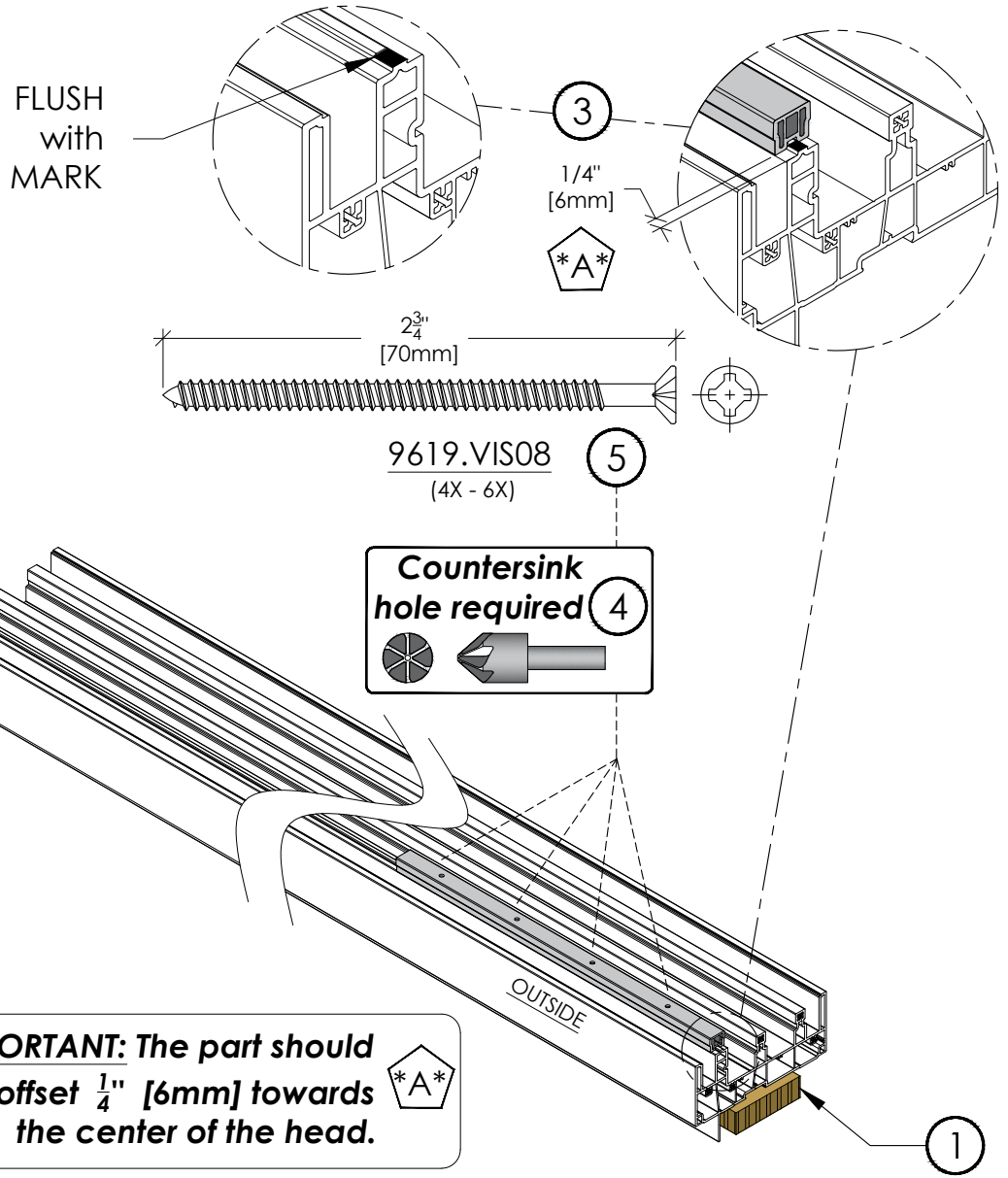
(Continued) Validation of HEAD Box & Preparation







IMPORTANT: ***The part should be offset $\frac{1}{4}$" [6mm] towards the center of the head.*** *A*

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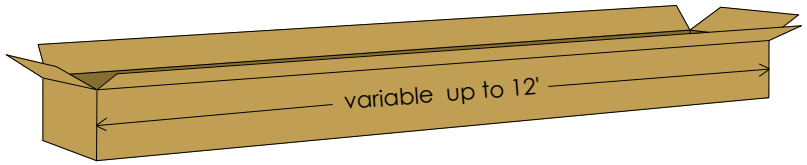
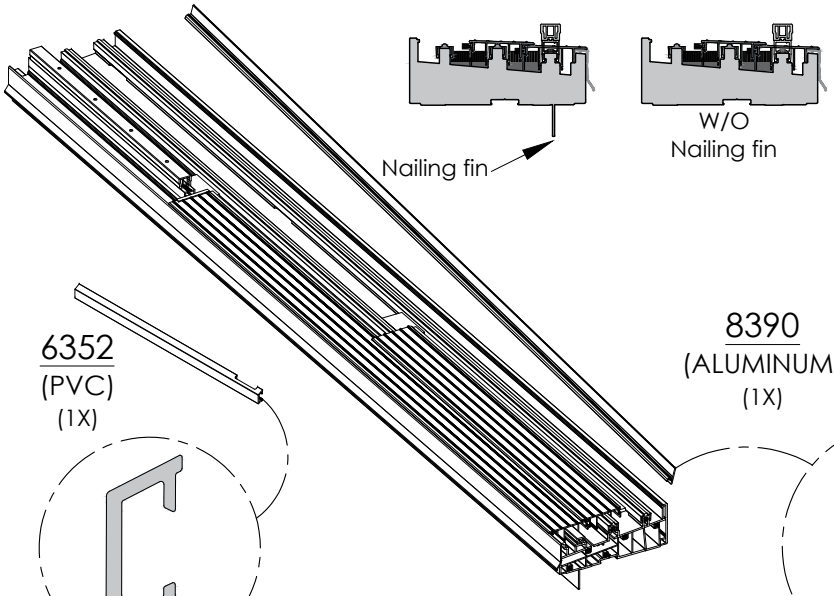
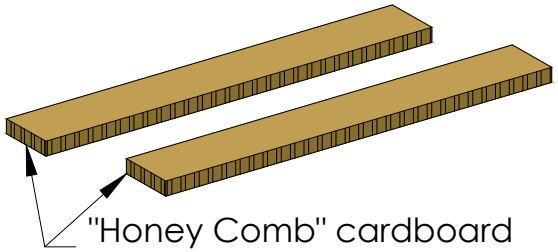
Validation of SILL Box & Preparation



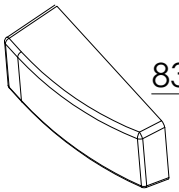




*OPTION if painted door:
The red bag contains the painted hardwares.

INSIDE PAINT

9667.CAPUC
(4X) Fixed sash
+ (9X) Sill Option*

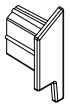


8389.CAPEV
(1X)

OUTSIDE PAINT

not required OXX

8395.58
CAPVS.G
(1X)



8395.58.
CAPVS.D
(1X)

- **Save component 6352 into the HEAD box for further installation. (See Step 17)**

A

- **If door is painted: save also the red bag.**

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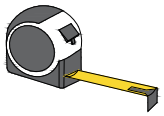
(Continued) Validation of SILL Box & Preparation

Tools and hardware required for this step



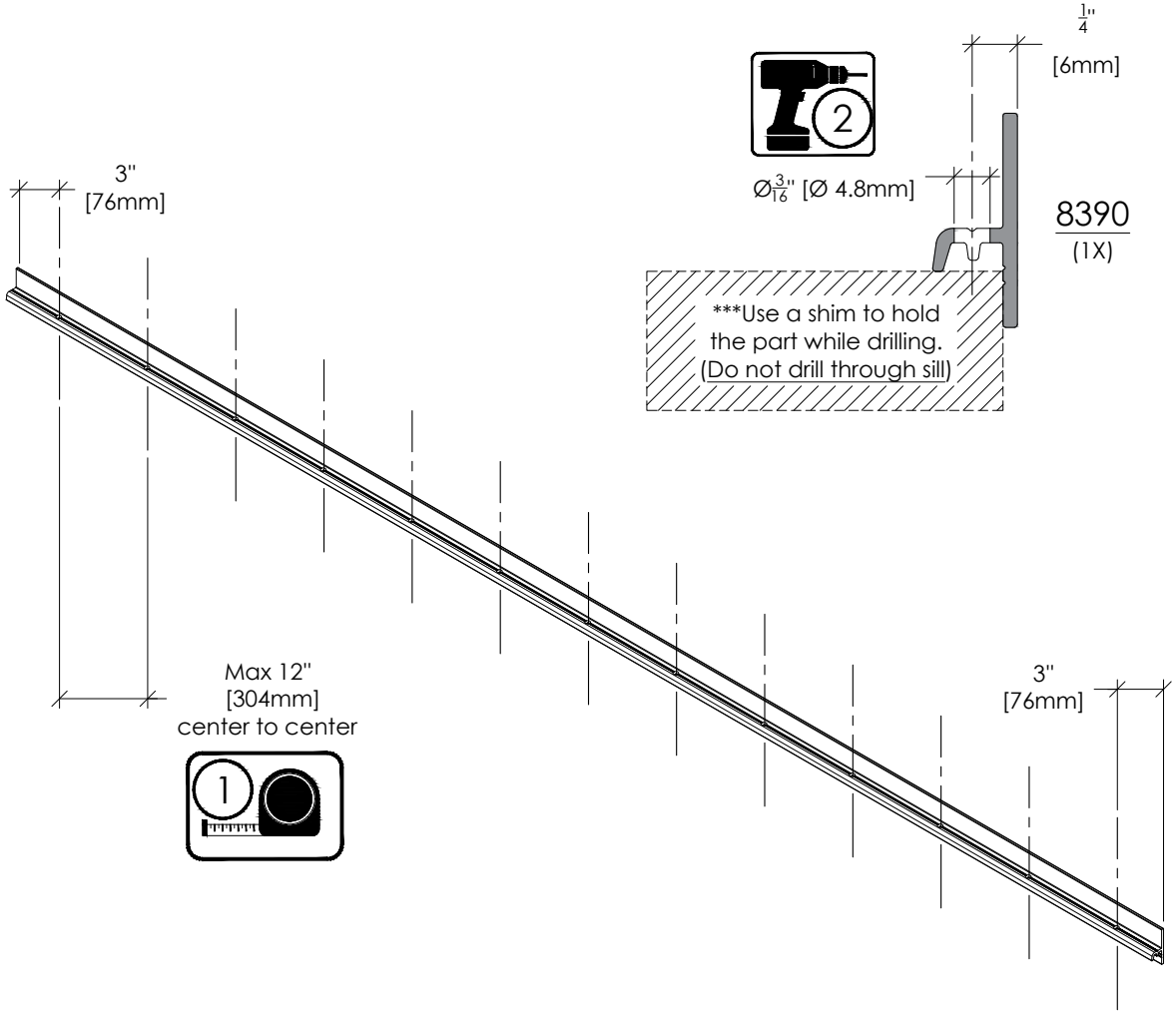
Measuring Tape
(1X)

Pencil
(1X)

Drill Bit
(min.1X)

$\frac{3}{16}$" [5mm]

Impact
(1X)



A **Save component 8390 into the HEAD box for further installation. (See Step 19)**

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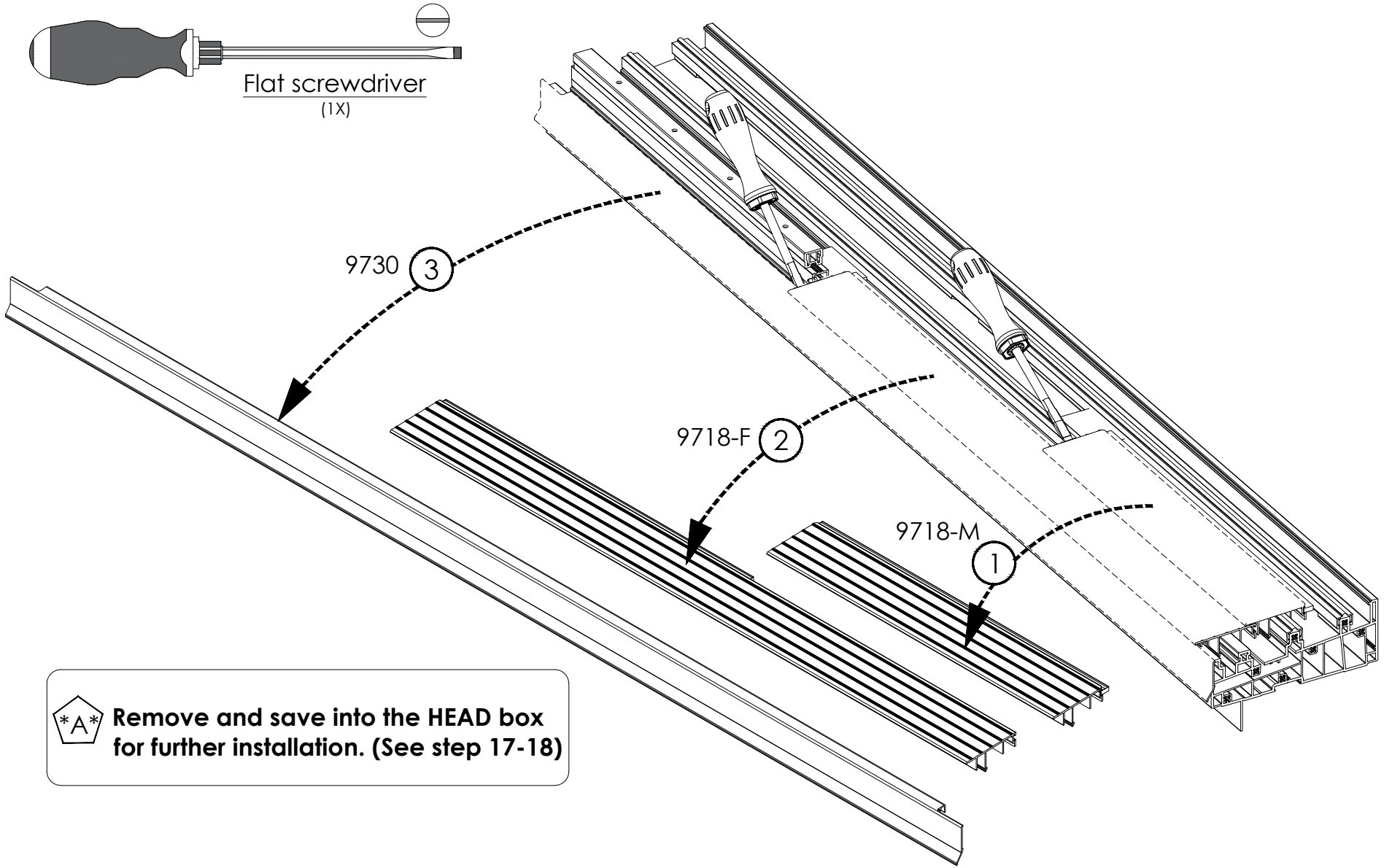
Flat screwdriver
(1X)



A **Remove and save into the HEAD box for further installation. (See step 17-18)**

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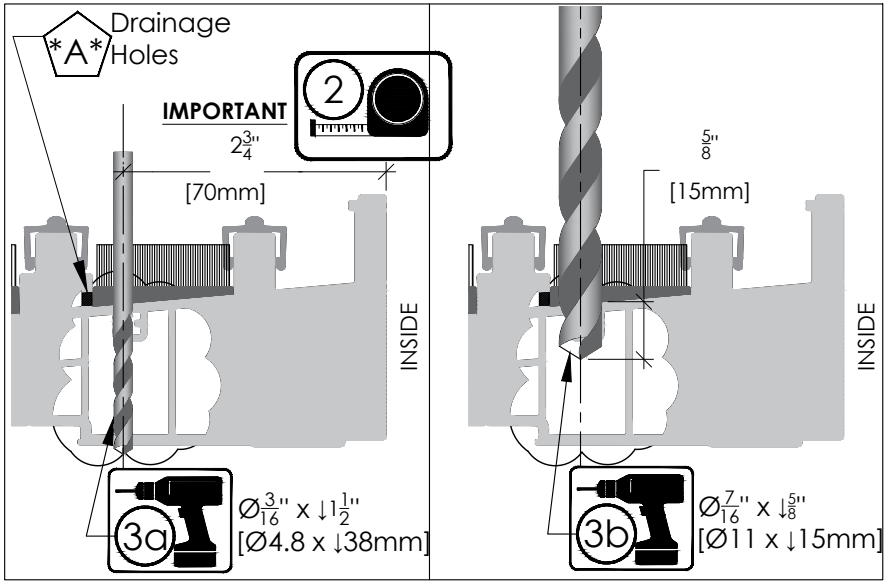
OPTION

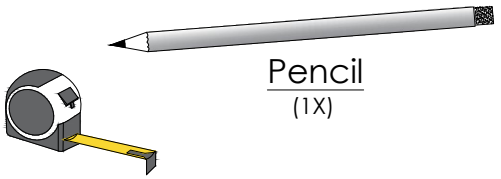
Concrete application only (See P15)

(Do not take care of this page for wood application)



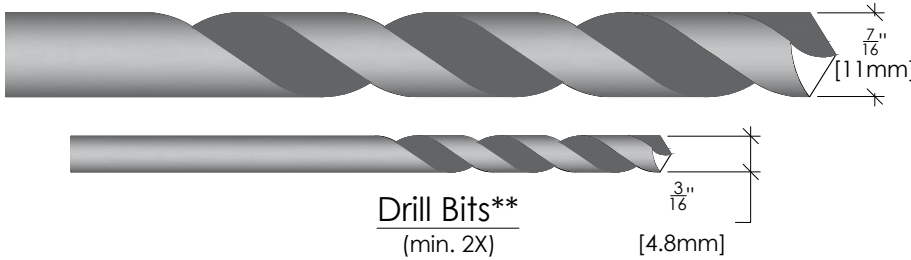
Tools and hardware required for this step

Impact (1X)



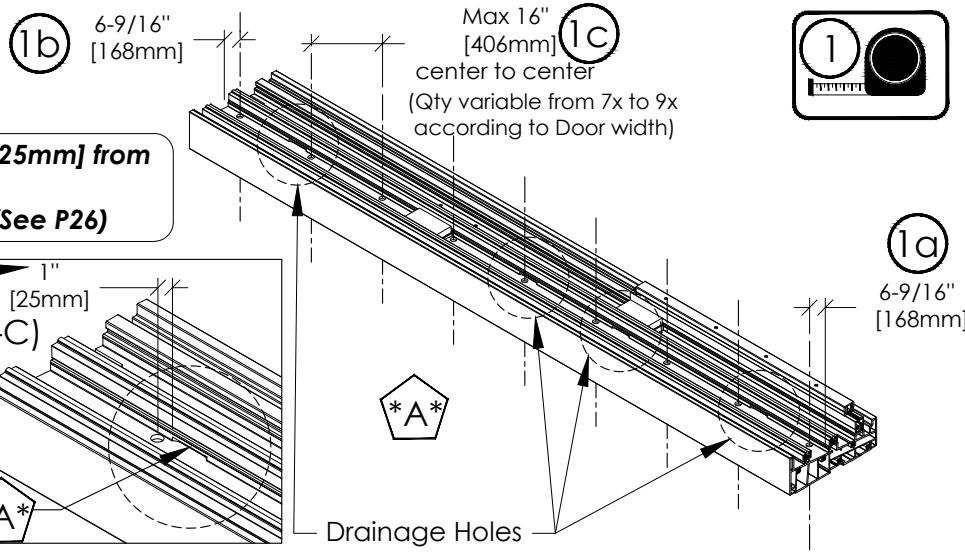
Measuring Tape (1X)

Pencil (1X)

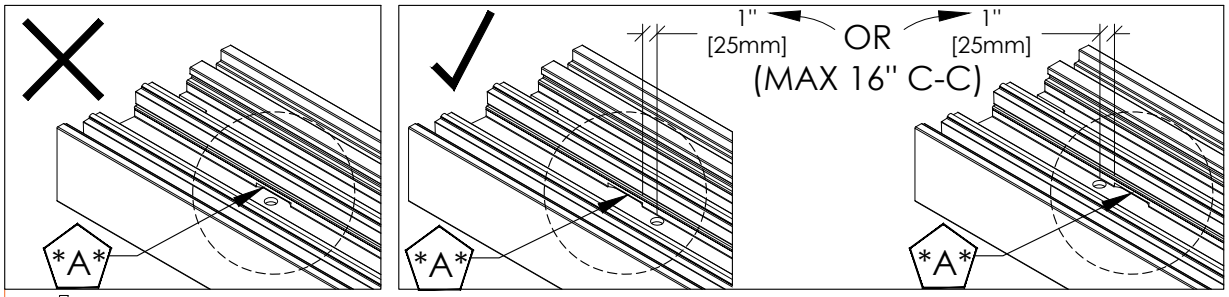


Drill Bits** (min. 2X)

**or Step Drill (optional) - See P1



A ***IMPORTANT:*** ***If necessary, move the installation holes about 1" [25mm] from drainage holes to not drill in front of it. (Max 16" C-C). Otherwhise, sealant and cap may obstruct the drainage holes. (See P26)***



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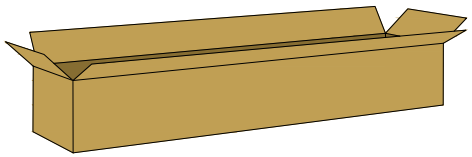
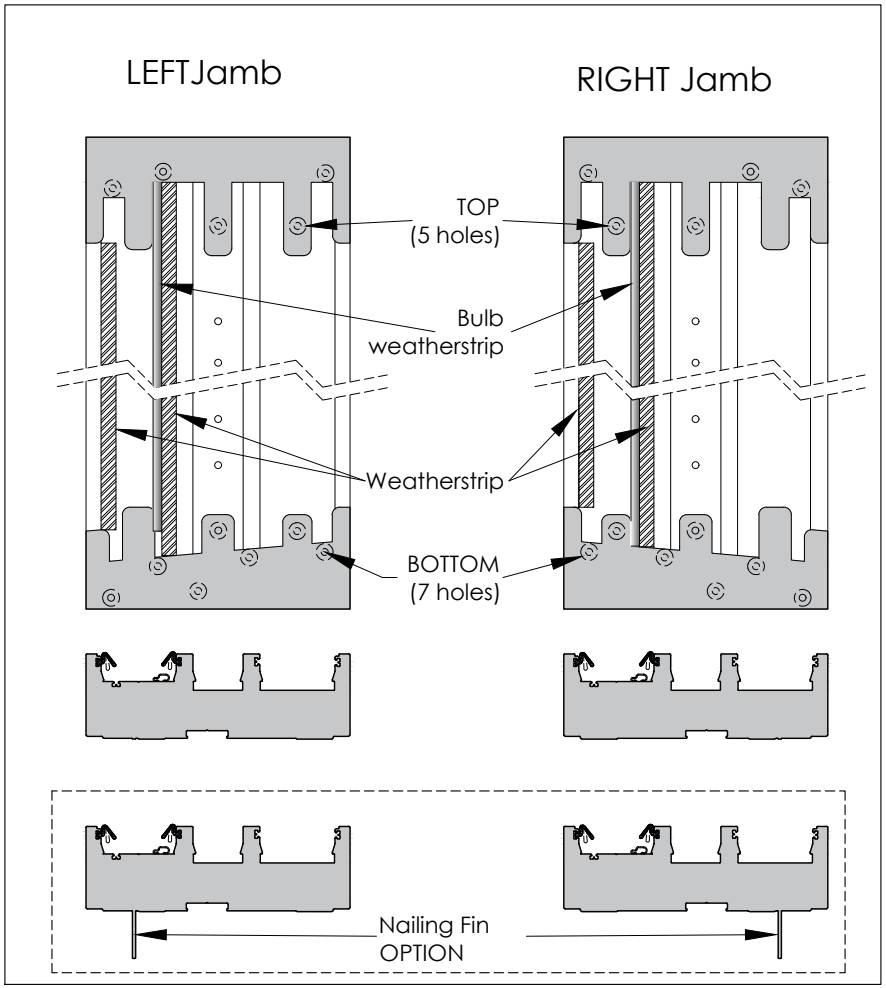
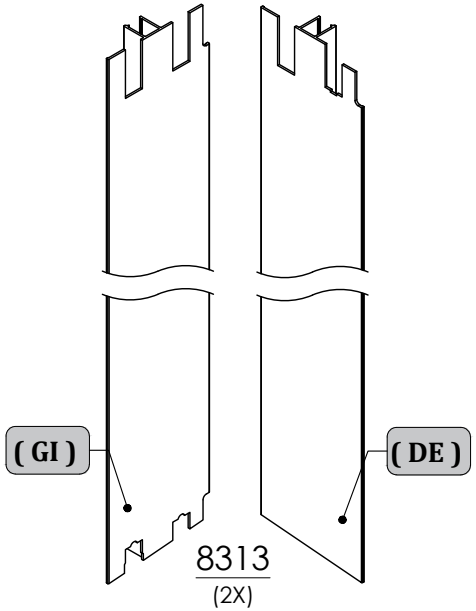
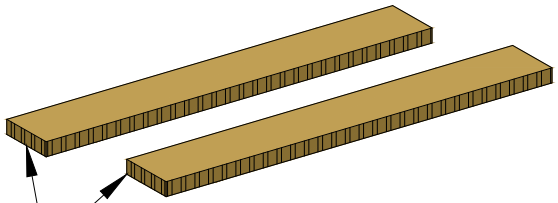
Validation of JAMBS Box & Preparation







A **Save components 8313 into the HEAD box for further installation. (See Step 15 & 20)**



"Honey Comb" cardboard
(Save for frame assembly)

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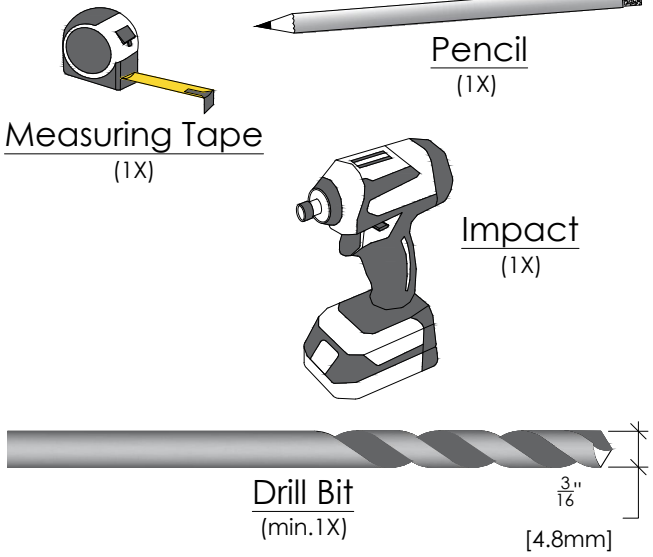
(Continued) Validation of JAMBS Box & Preparation

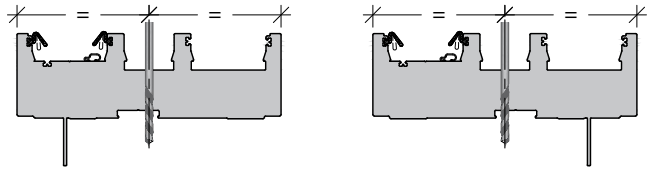
Tools and hardware required for this step

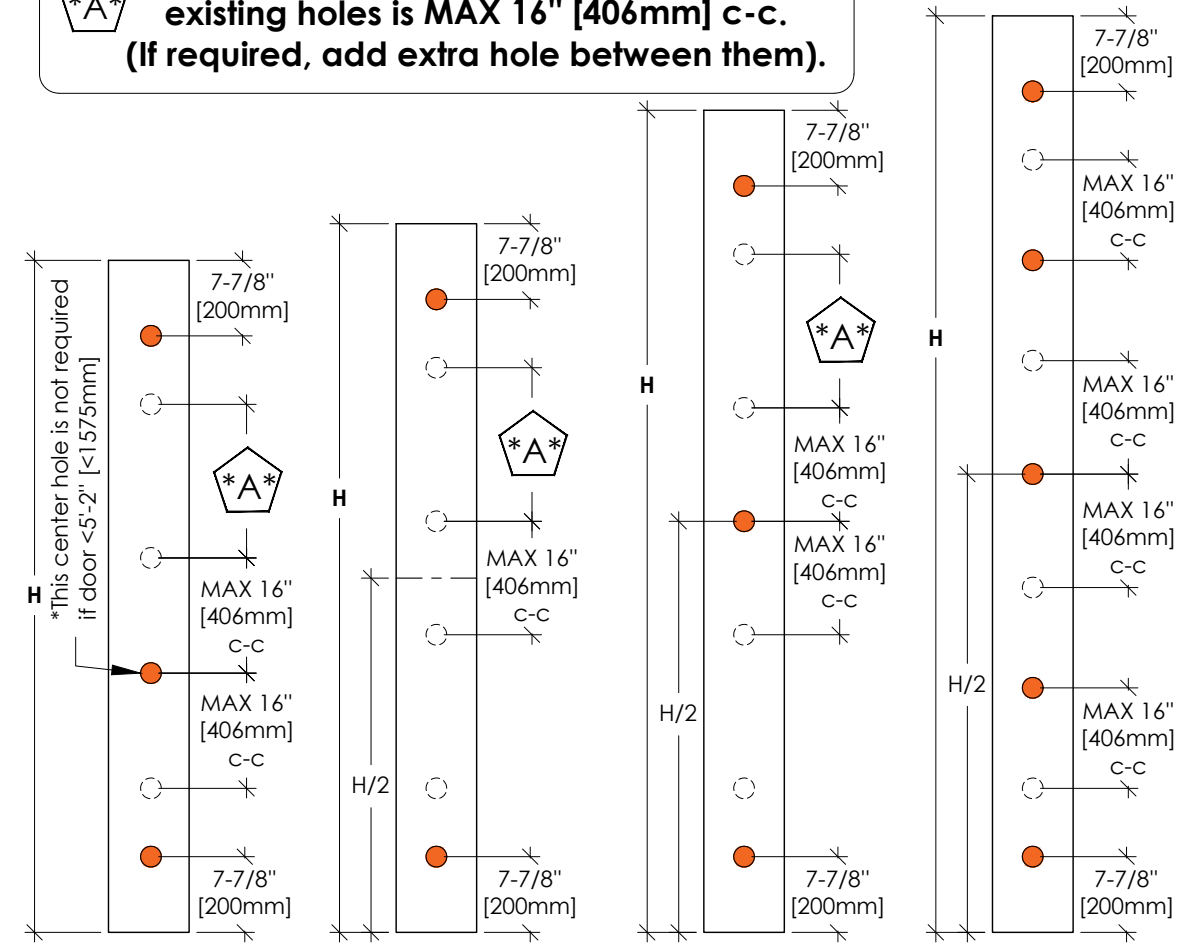


A **Make sure the distance between each existing holes is MAX 16" [406mm] c-c. (If required, add extra hole between them).**

1 **Select the appropriate drilling pattern for each Jamb according to the door height.** (**H**=Door Height or Jamb length)

2 **Drill holes on site according to the door height.**





H=	H=	H=	H=
Less than **5'-9 9/16"** *<[1767mm]*	**5'-9 5/8"** to **6'-6"** *[1768 to 1982mm]*	**6'-6 1/16"** to **7'-1 5/8"** *[1983 to 2175mm]*	**7'-1 11/16"** to **7'-11 1/2"** *[2176 to 2425mm]*
2 ○ Actual (3X) ● **Add (3X)*** **On site**	2 ○ Actual (4X) ● **Add (2X)** **On site**	2 ○ Actual (4X) ● **Add (3X)** **On site**	2 ○ Actual (4X) ● **Add (5X)** **On site**

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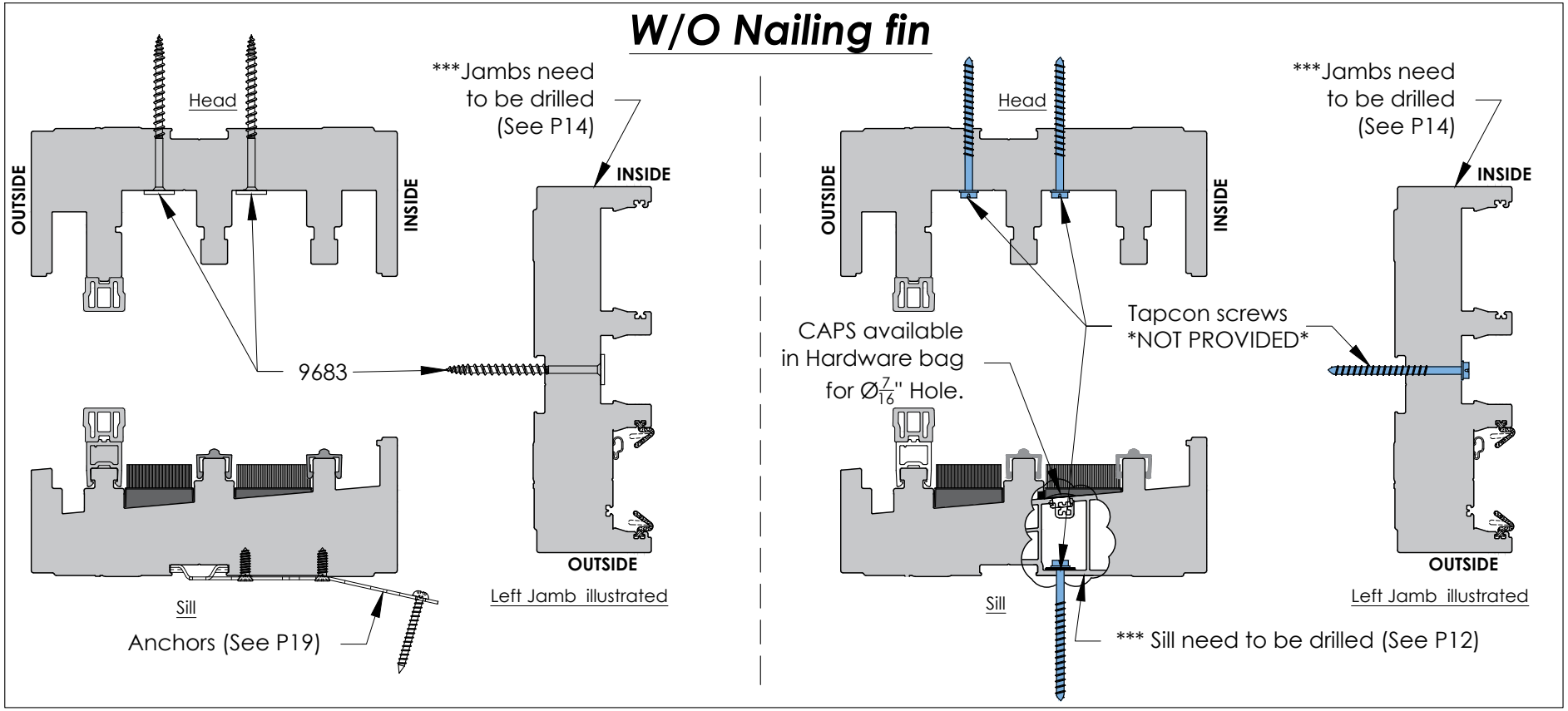
ATTENTION:

SELECT THE INSTALLATION METHOD ACCORDING TO ILLUSTRATIONS SHOWN in P15 & P16.
BEFORE ASSEMBLY THE FRAME, MAKE SURE ALL PARTS ARE PROPERLY PREPARED.

Hardware are provided for Installation in Wood-Frame construction. (Tapcon screws or Nails are NOT provided).

W/O Nailing fin



****WOOD APPLICATION****

(Installation with Screws & Anchors)

SEE P24

****CONCRETE APPLICATION****

(Installation with Tapcon screws)

SEE P25 & 26

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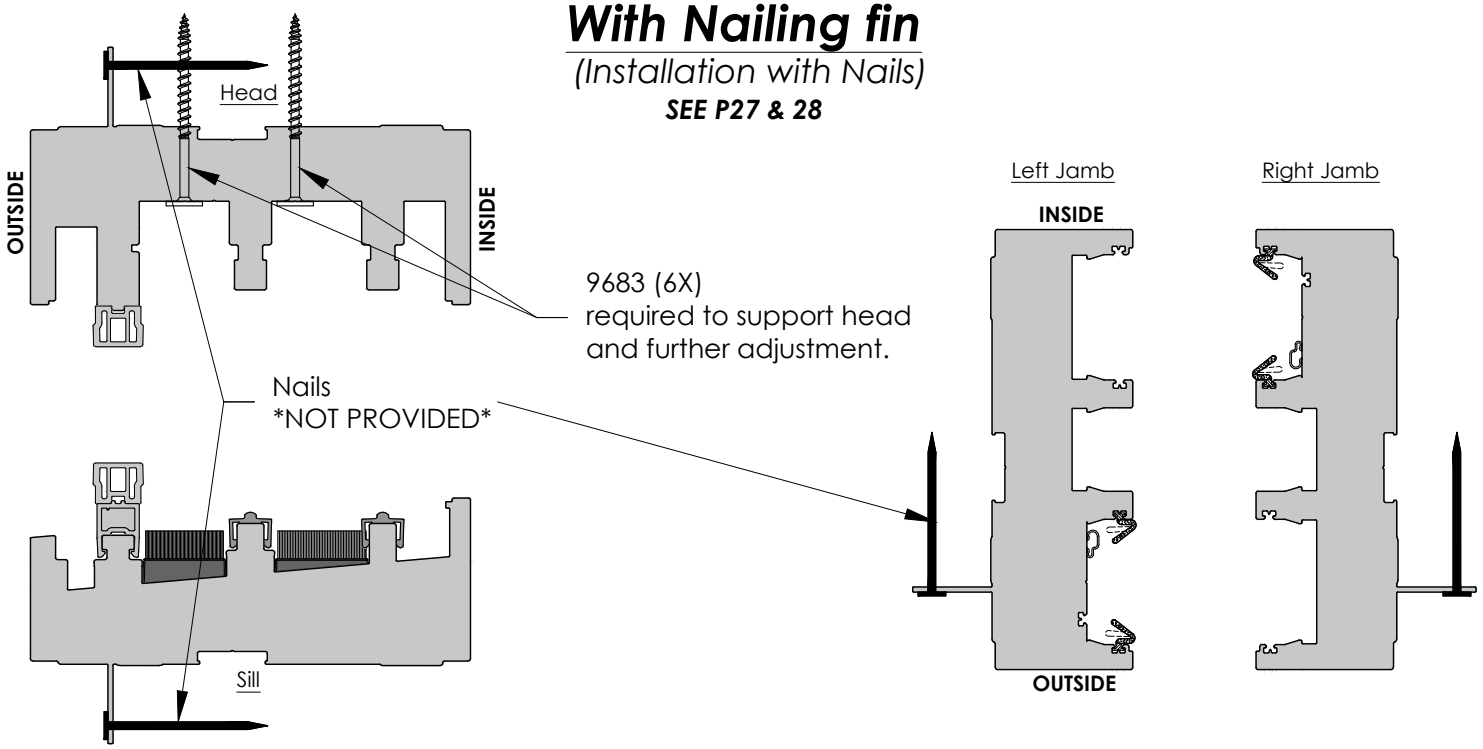
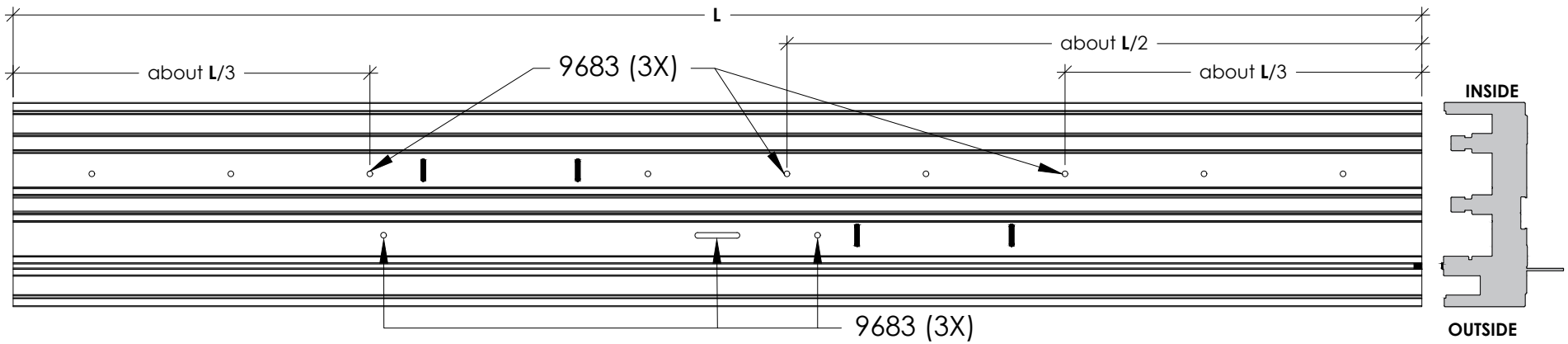
With Nailing fin

(Installation with Nails)

SEE P27 & 28





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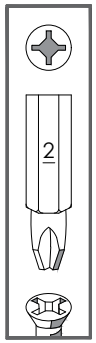
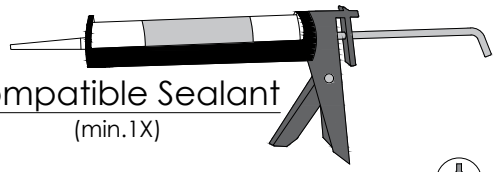
(Continued) Frame Assembly

Tools and hardware required for this step

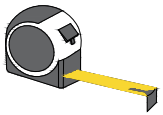
Impact
(1X)





Compatible Sealant
(min.1X)

Screwdriver Bit
Quadrex 6" #2 (1X)

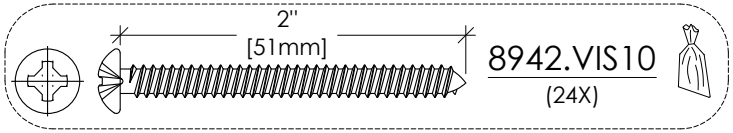


Measuring Tape
(1X)

Screwdriver Bit
(1X)

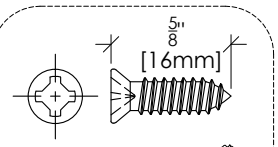
Pencil
(1X)

08375.58.SACn1.3V : FRAME & SASH Hardware bag

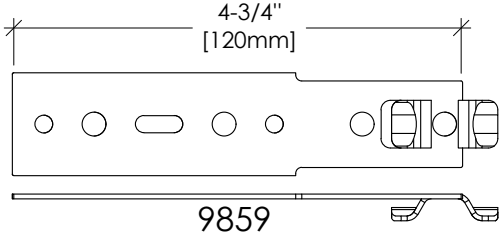


8942.VIS10
(24X)

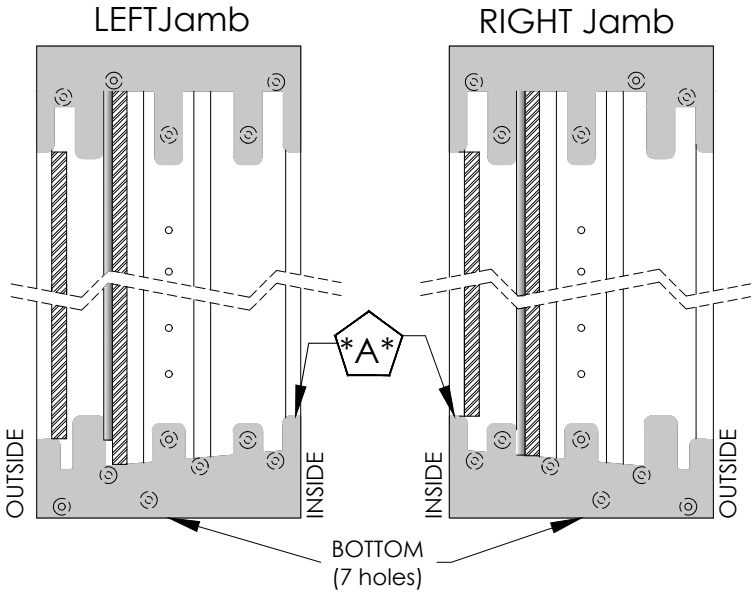
09750.00.S8385.3V : Installlation bag

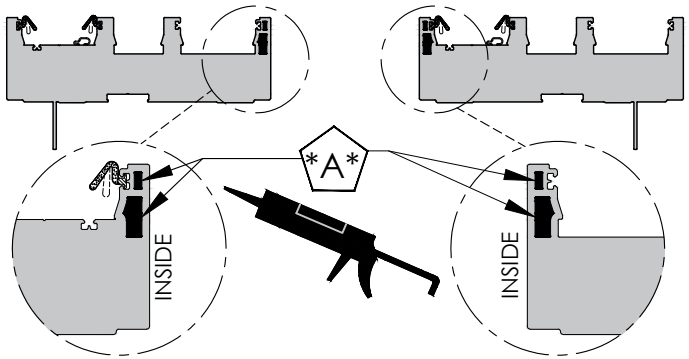


9764.VIS10
(18X)



9859
(9X)





IMPORTANT:
On each jambs, make sure to fill the two (2) bottom cavities with sealant before fastening the frame. (To ensure the frame & waterbar are waterproof)

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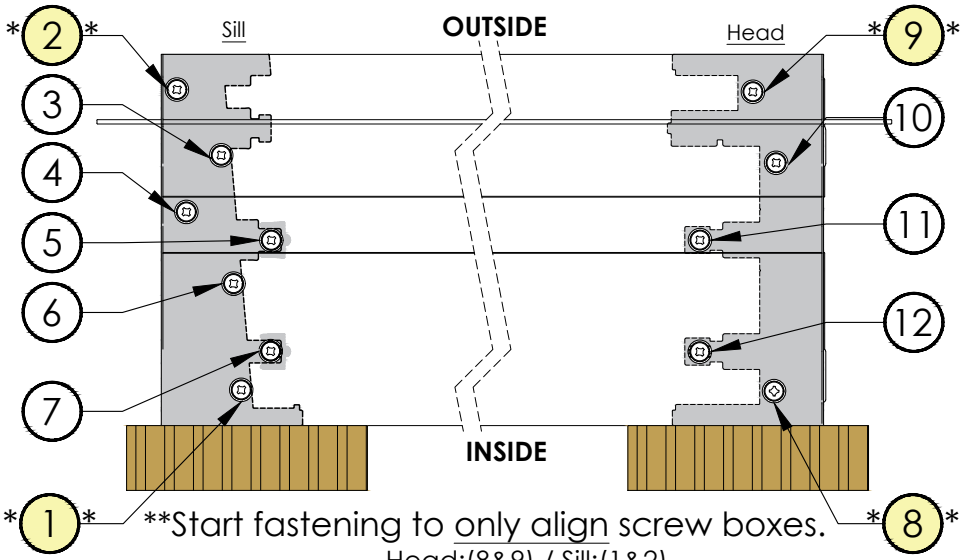
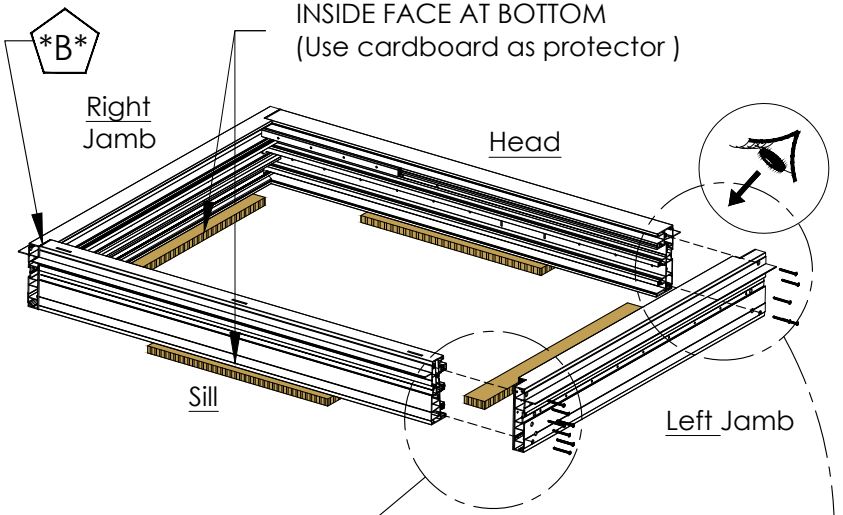


**Start fastening to only align screw boxes.
Head:(8&9) / Sill:(1&2)
(Do not completely fastening until all screws are inserting)

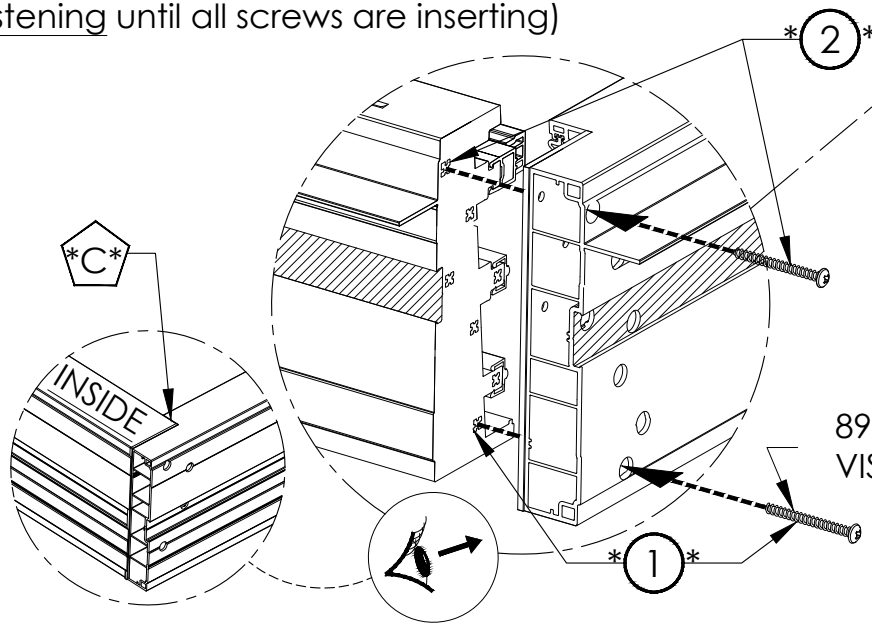


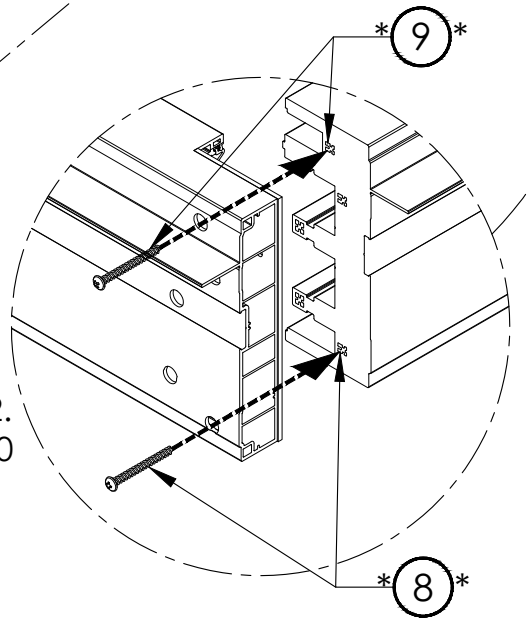
B

IMPORTANT:
Make sure all corners are square and faces are aligned when fastening.

C

IMPORTANT:
From the inside at sill, wipe off any excess sealant after fastening.





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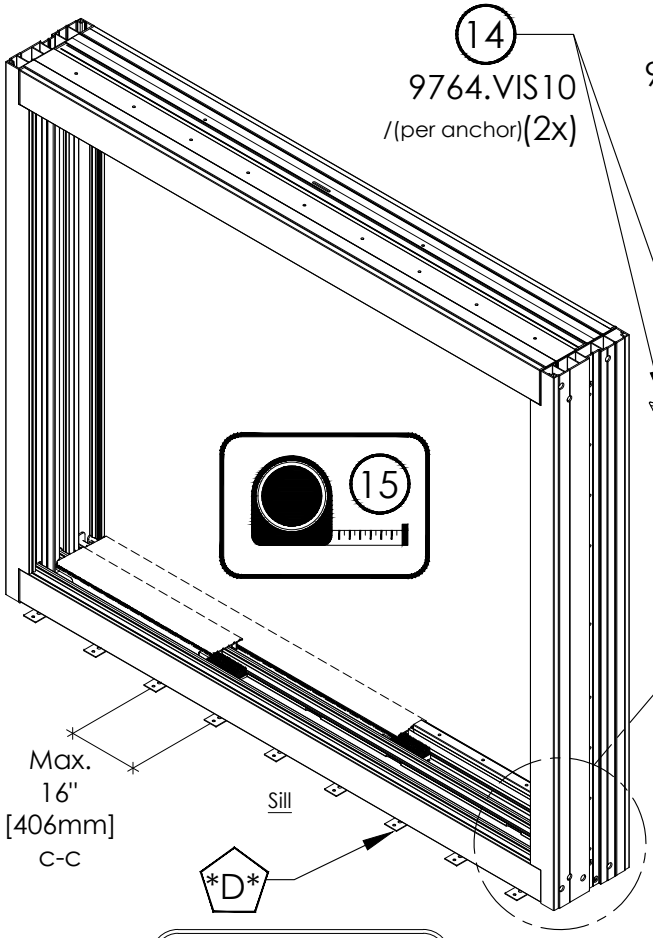
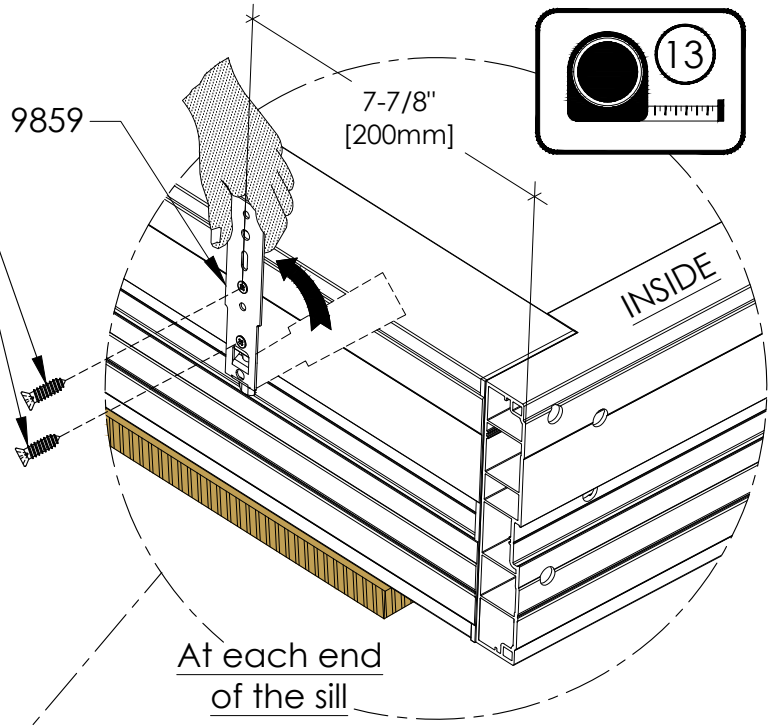
NOTE

US Installation W/O Nailing Fin in WOOD-Frame construction (See P15)

(Do not take care of this page for concrete application or frame with Nailing Fin)



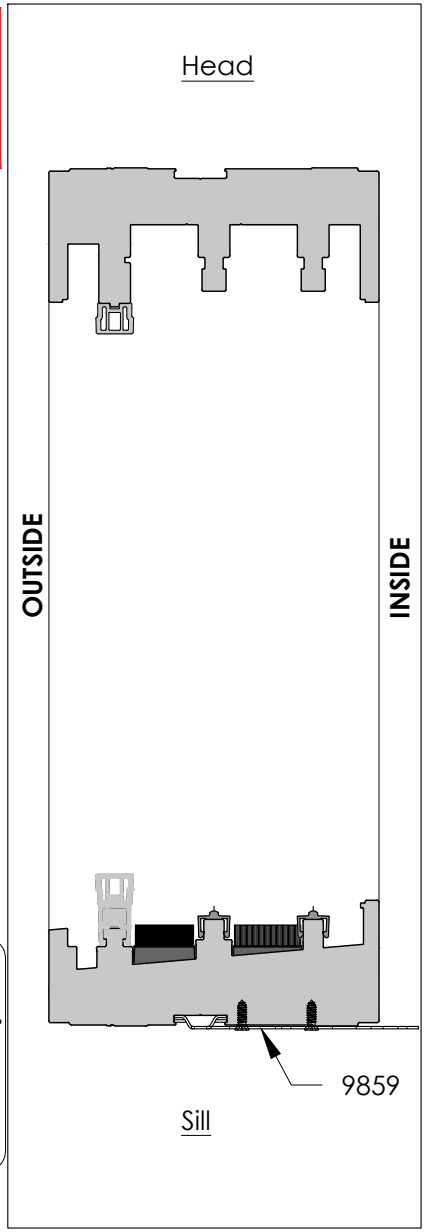
INSIDE View



D

IMPORTANT:

Fastening through the sill is not recommended. Use the provided metal anchor and screws according to the method illustrated to prevent water infiltration). (See P24 for more detail)



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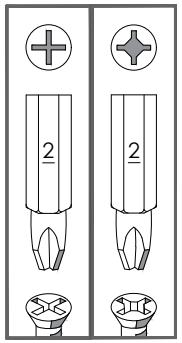
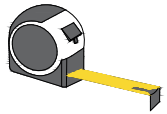
Installation of the Frame

Tools and hardware required for this step

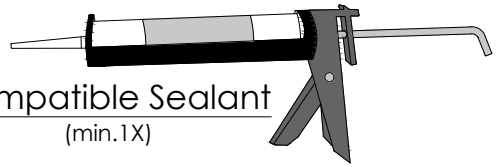
Impact
(1X)



Screwdriver Bits
(2X)

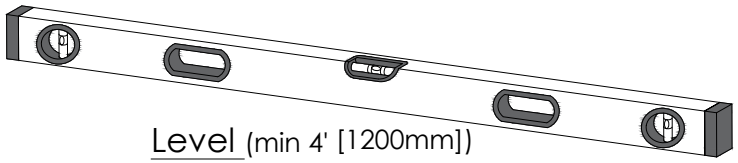


Measuring Tape
(1X)



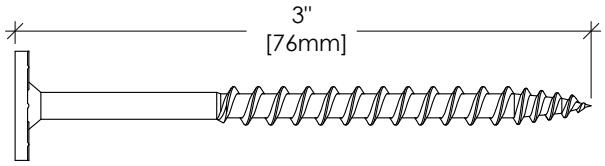
Compatible Sealant
(min.1X)

Screwdriver Bit
Quadrex 6" #2 (1X)

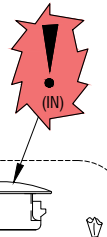


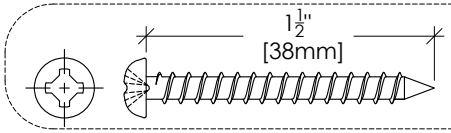
Level (min 4' [1200mm])
(1X)

09750.00.S8385.3V : Installlation bag



9683.VIS10
(30X)





9759.VIS08
(9X)

9667.CAPUC
(9X)
OPTION

IMPORTANT:

Hardwares are provided for Installation in Wood-frame construction.

****Nails or Tapcon screws are NOT provided.***

Drill Bit
(min.1X)

(You may need to redrill trough existing holes of jambs/head according to the dimension selected of Tapcon screws).

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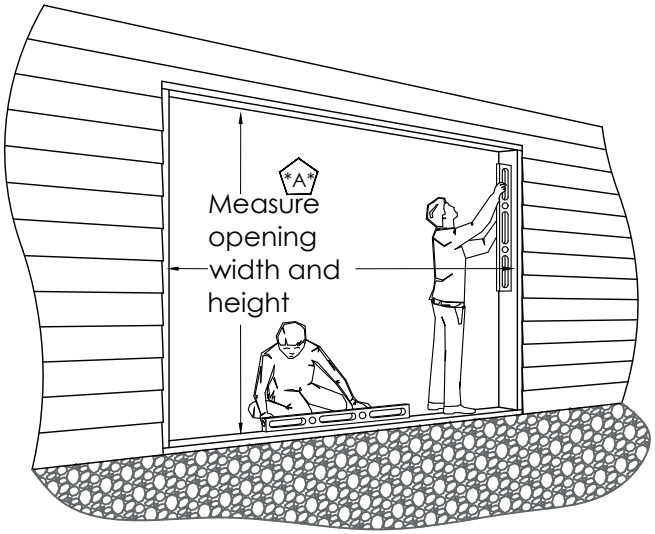
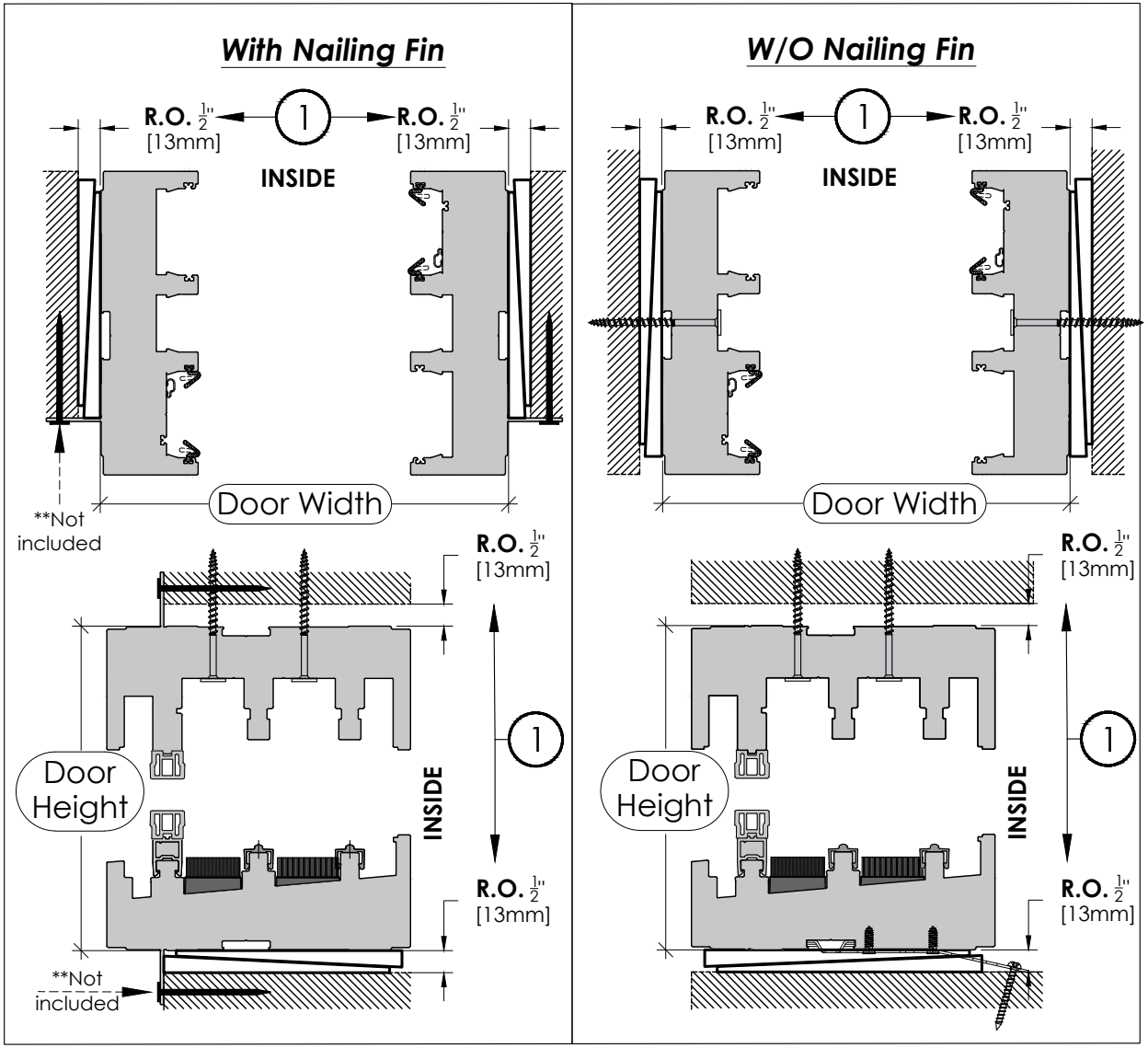
(Continued) Installation of the Frame

***** CAUTION: The product must be installed in conformance with the following standards USA: AAMA 2400, AAMA 2410 and IPCB.**

***** Be sure to also follow local applicable building code requirements. *****



1 *An improper fit will impact the performance of the door. (too narrow or too large)*



Note: US Installation illustrated

(Concrete application not illustrated: R.O. = 1/2" [13mm] all around)

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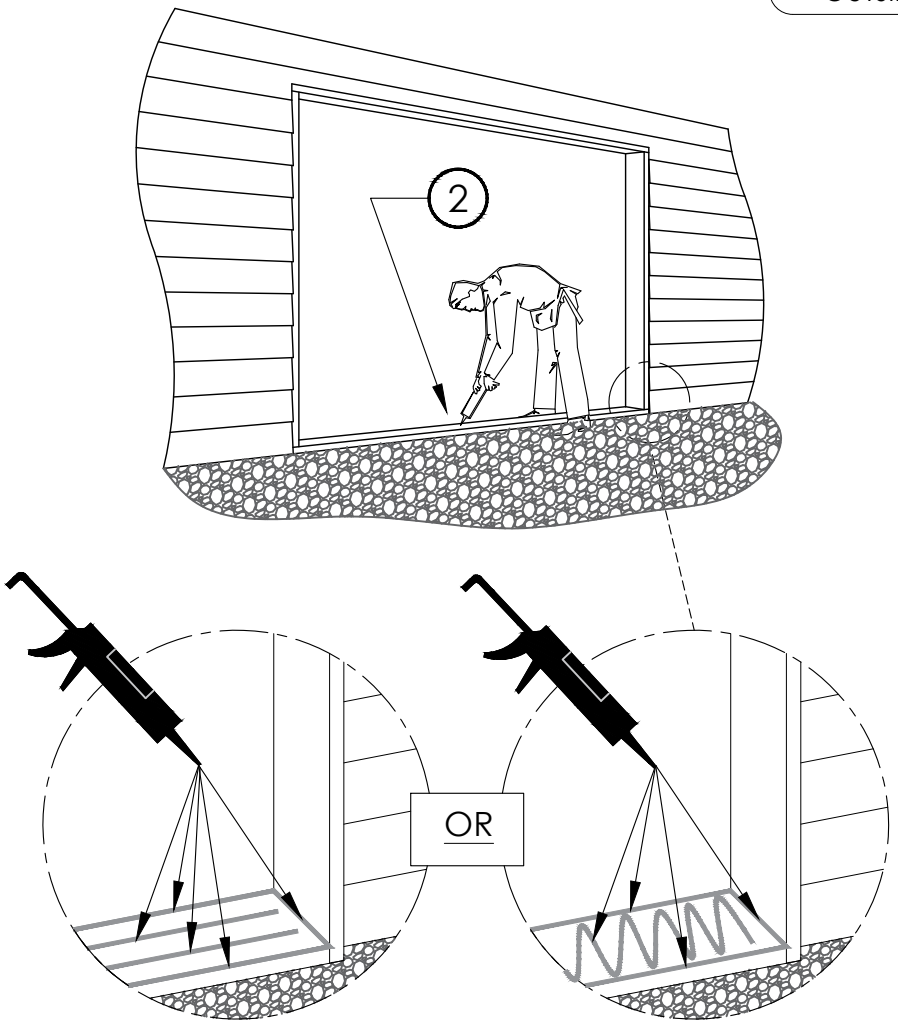
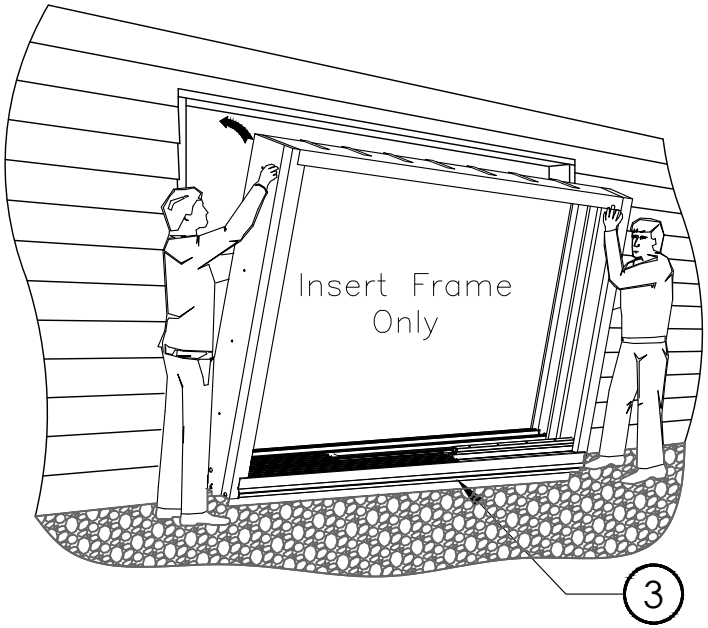
(Continued) Installation of the Frame

OUTSIDE View





Insert frame in the Rough Opening:

1) *Apply generous bead of good quality sealant all along the sill. (Min Sealant bead = $\frac{5}{8}$" [15mm]).*

2) *Install the door frame in the opening, sill first.*
***Make sure that the sealant joint is continuous and sufficient between the door sill and the floor.*

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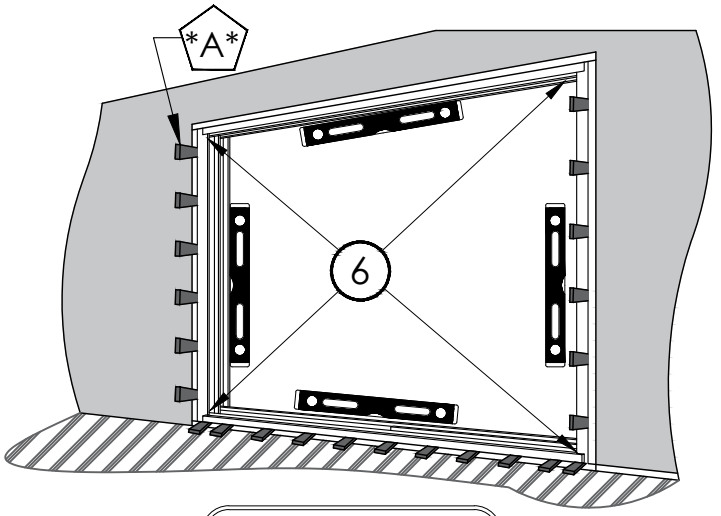
(Continued) Installation of the Frame

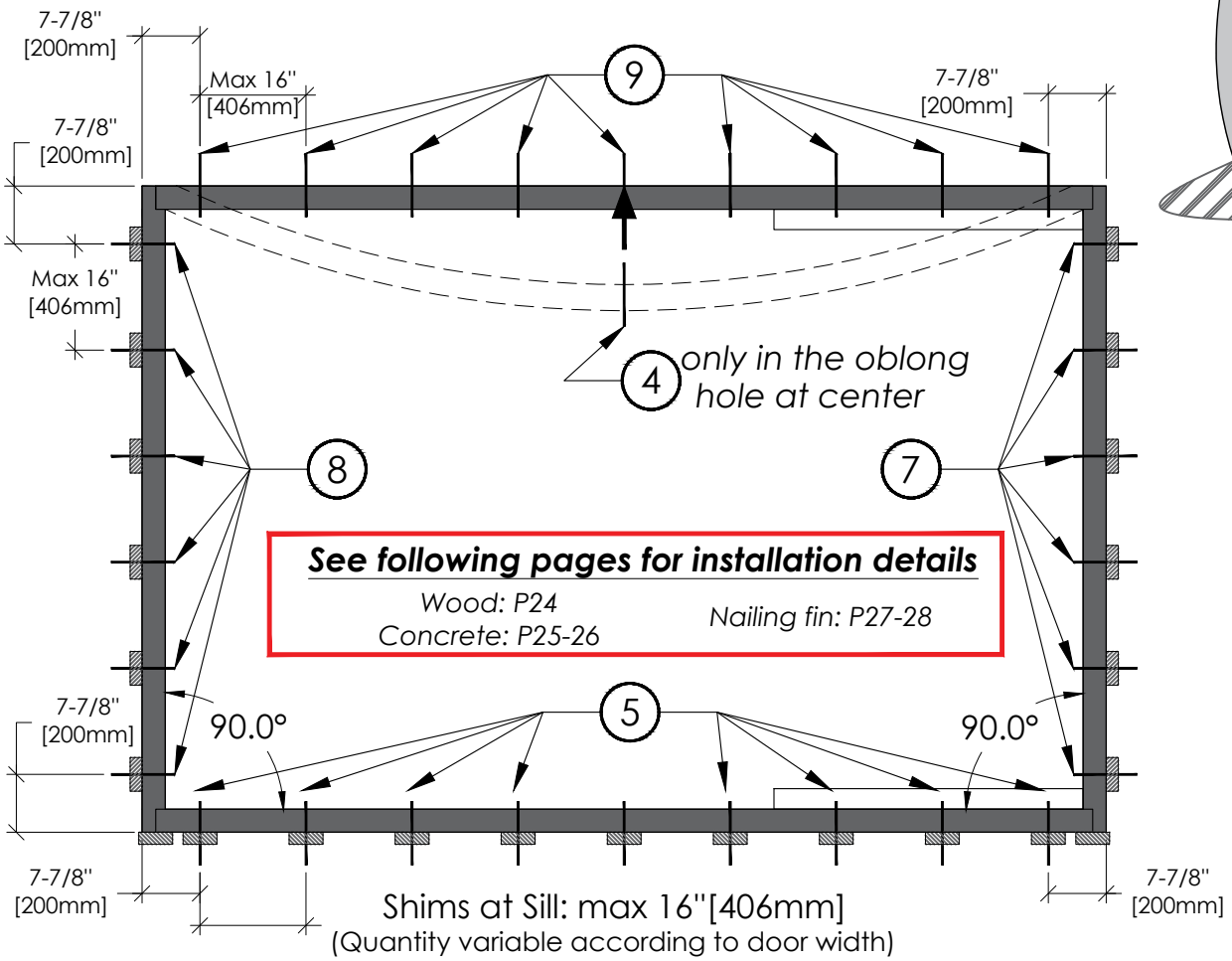
ATTENTION:

A

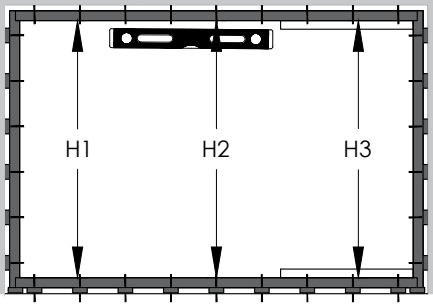
Improper shimming will bow the jambs.
Use Shims below jambs, and at each anchoring point on jambs and sill.
Do not use shims at head.
Make sure jambs are straight for optimal performance.



INSIDE View



10 *If needed, adjust screws at header to obtain:*
H1 = H2 = H3



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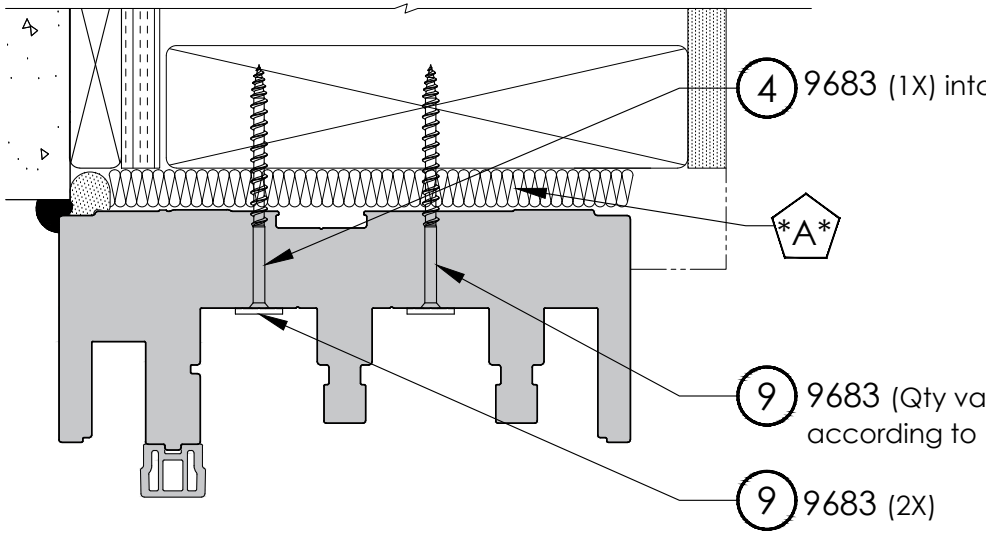
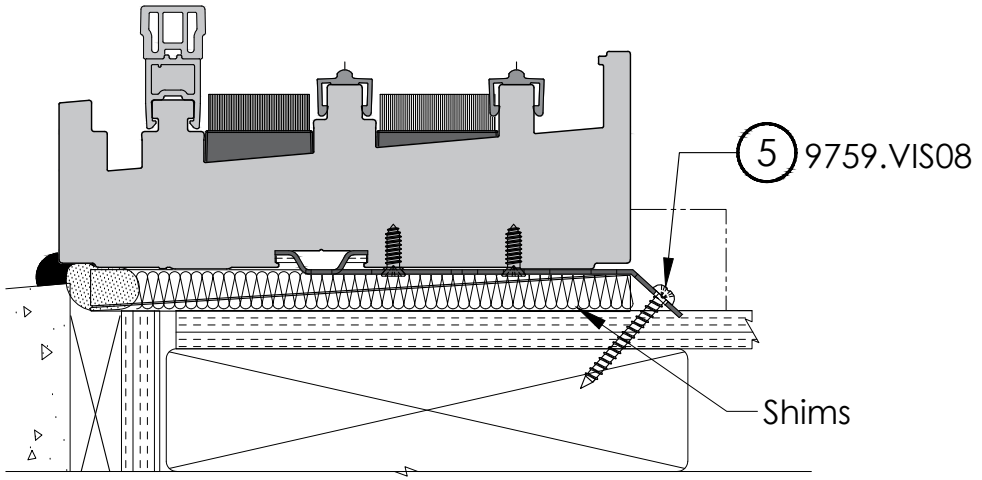
(Continued) Installation of the Frame

Do not use shims at the header.
A gap is necessary for building settlement.

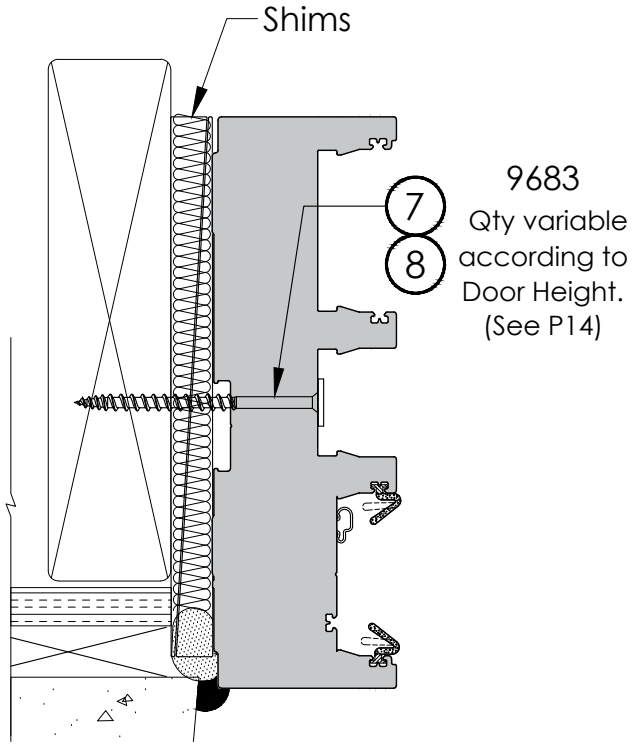
WOOD FRAME

******STRONGLY RECOMMENDED******





Left Jamb illustrated, Right required



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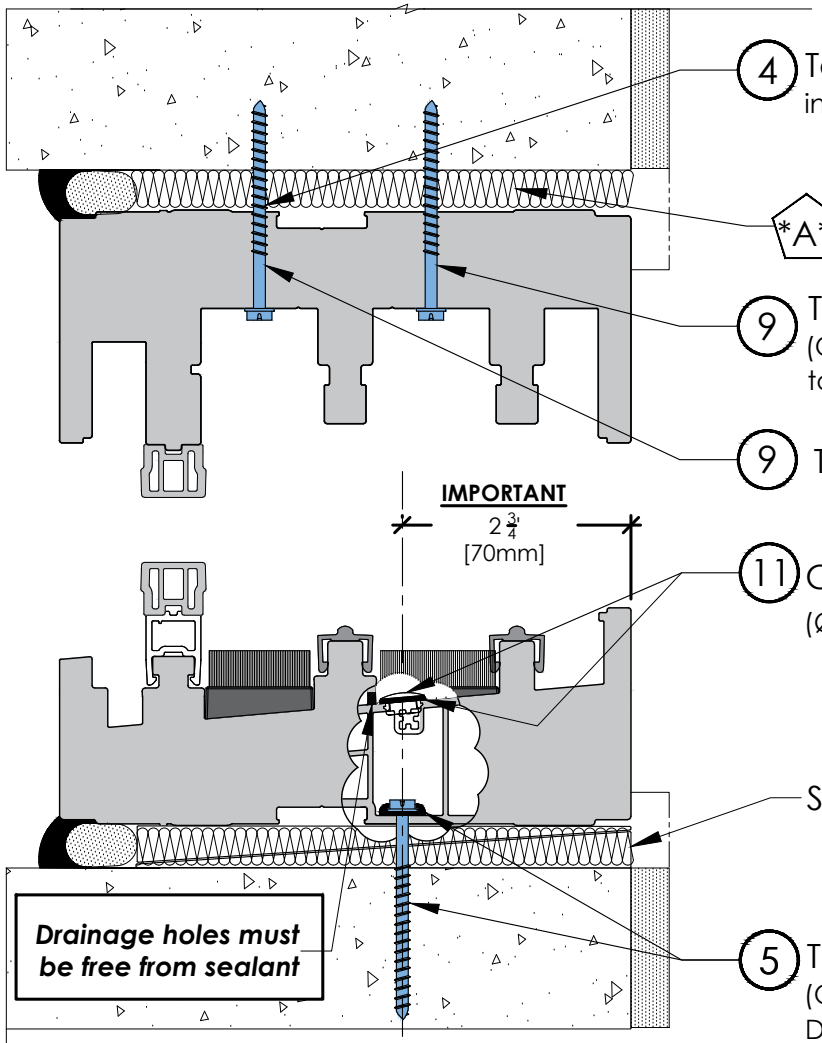
(Continued) Installation of the Frame

Do not use shims at the header.
A gap is necessary for building settlement.



4 Tapcon screw (1X) into oblong hole at center

A

9 Tapcon screws (Qty variable according to Door Width)

9 Tapcon screws (2X)

11 Caps 9667 + Sealant (Ø7/16" [11mm] hole)

Shims

5 Tapcon screws + Sealant (Qty variable according to Door Width : from 7x up to 9x)

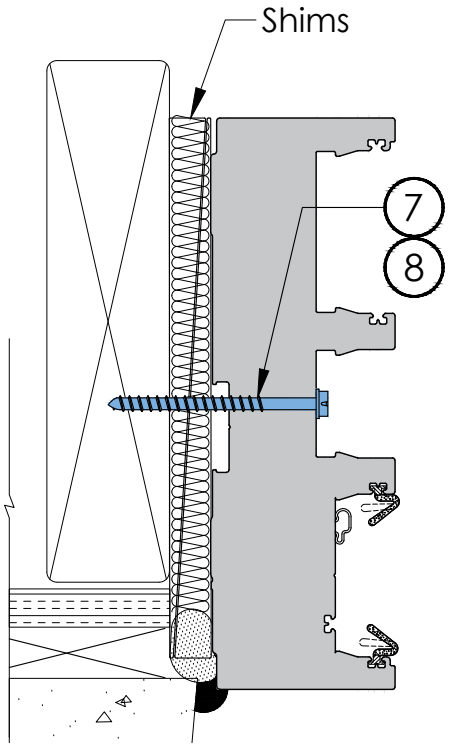
CONCRETE APPLICATION

- FOR INFORMATION ONLY-

Tapcon screws are not included

***According to dimension of tapcon screws, enlarge existing holes if needed.

Left Jamb illustrated, Right required



Tapcon screws Qty variable according to Door Height (See P14)

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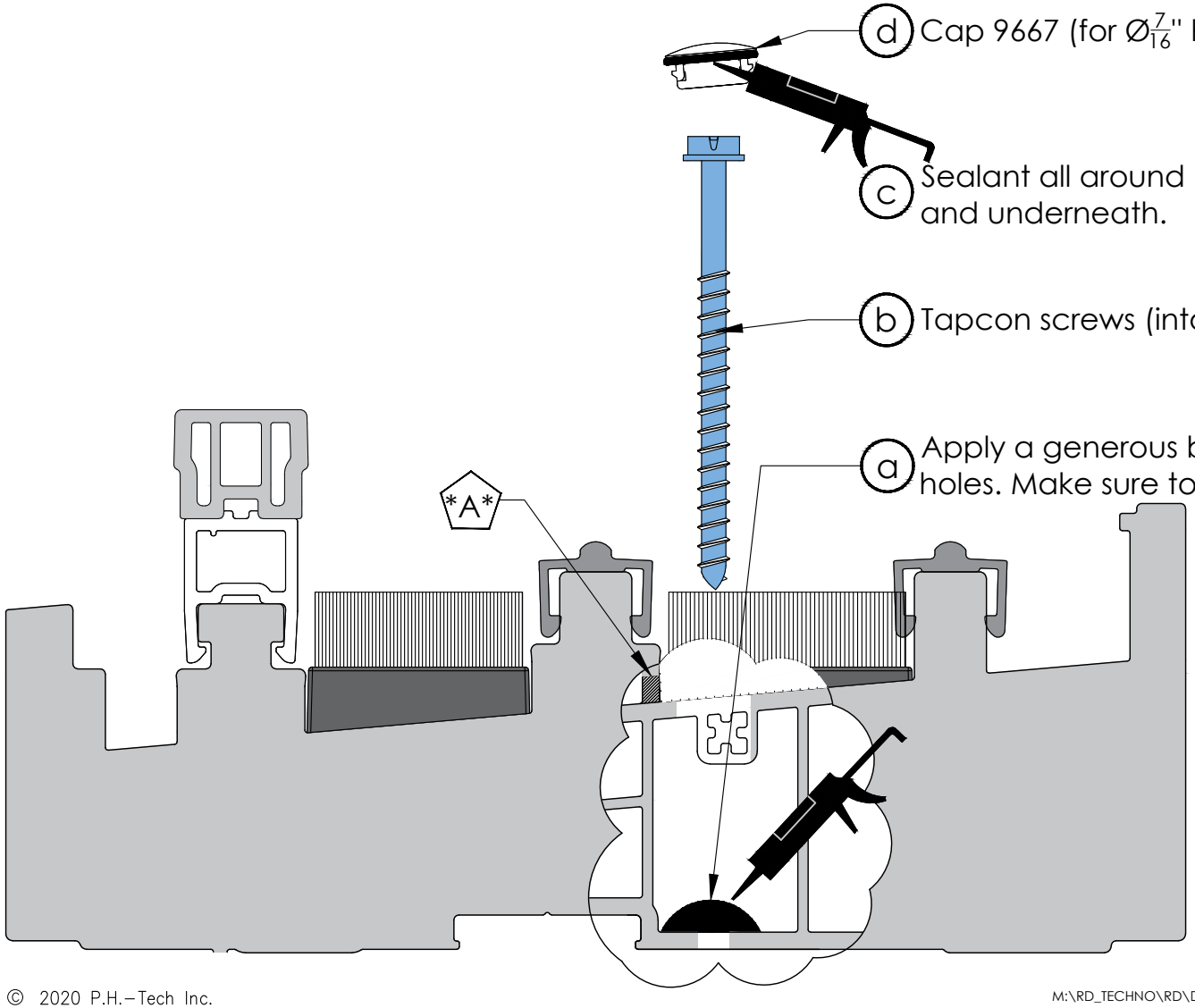
(Continued) Installation of the Frame

Sill Installation Detail : (5) + (11) : ***-Make sure sill is level and plumb before fastening.***
-Repeat a-b-c-d for every drilled holes in the sill.



(IN) ***If door is painted Inside, look for painted caps in red bag.***

A ***Drainage holes must be free from sealant.***

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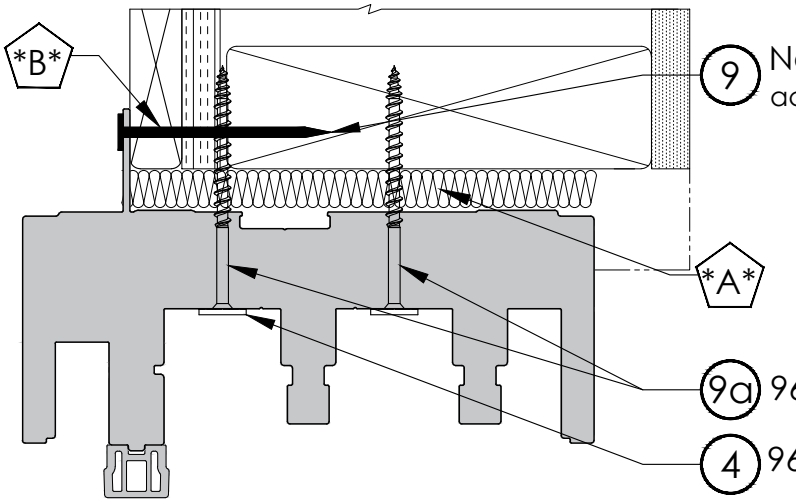
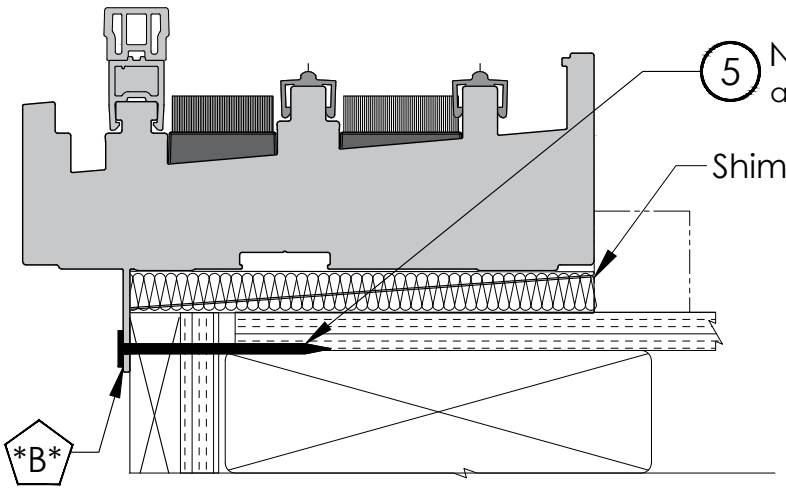
(Continued) Installation of the Frame

A

Do not use shims at the header.
A gap is necessary for building settlement.
9683 (6X) are recommended in existing holes to support head and further adjustment.





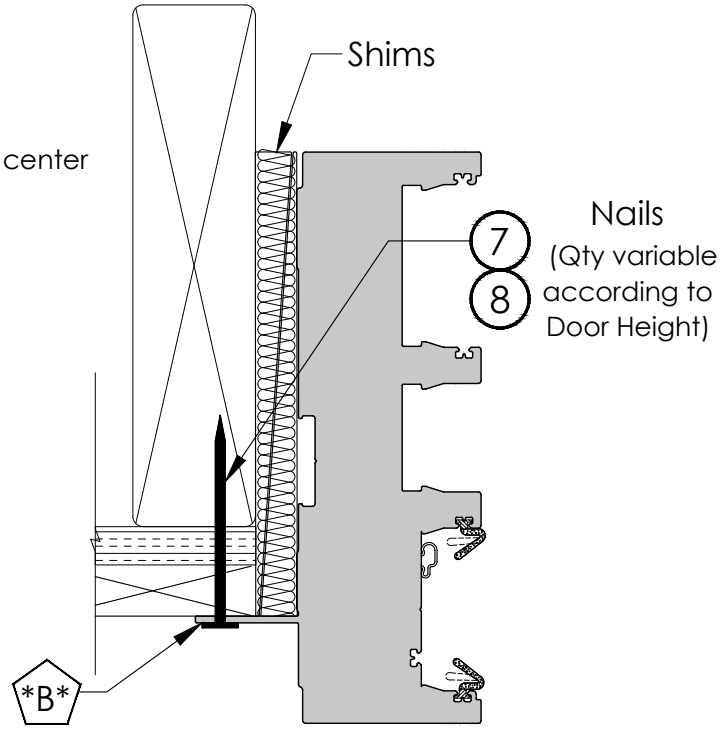
With Nailling Fin

- FOR INFORMATION ONLY-

B

Nails are not included:
Positioned at $7\frac{7}{8}$"[200mm] from each corner and spaced every 2 slots (about $7\frac{1}{4}$" [184mm]).

Left Jamb illustrated, Right required



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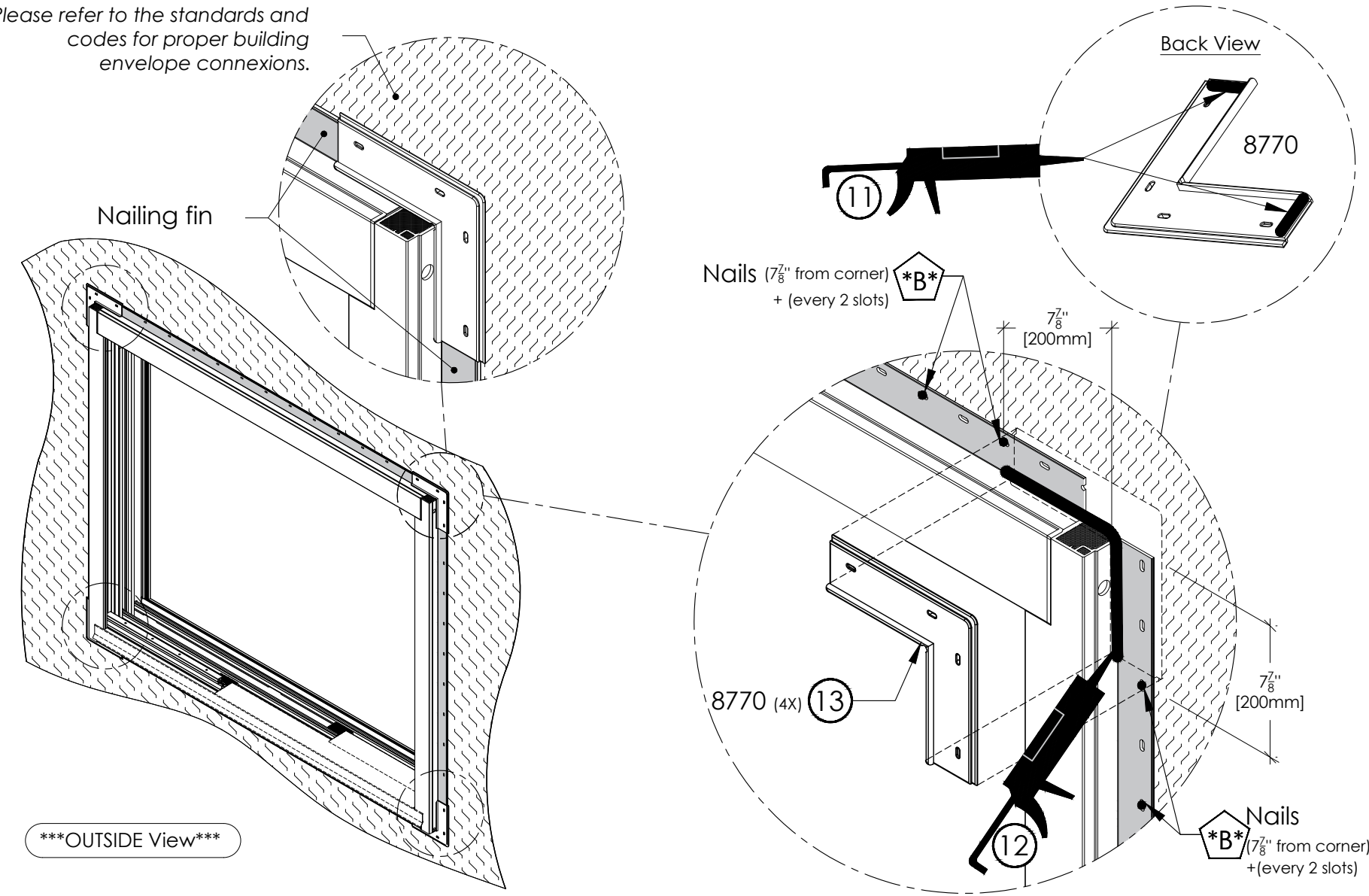
(Continued) Installation of the Frame

Please refer to the standards and codes for proper building envelope connexions.



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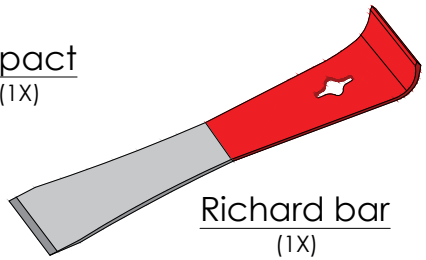
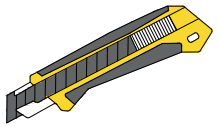
Installation of the Fixed Sash

Tools and components required for this step

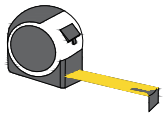
Impact
(1X)



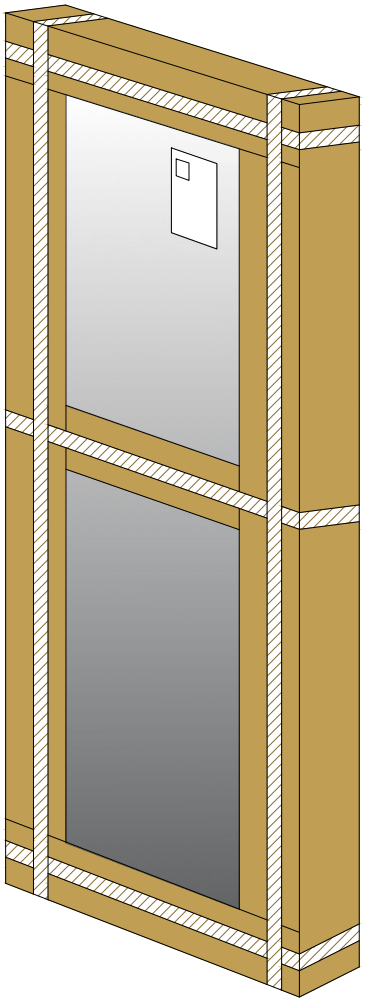
Richard bar
(1X)



Knife
(1X)

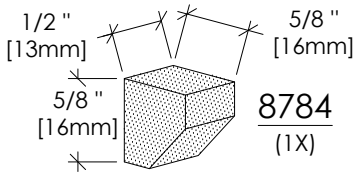


Measuring Tape
(1X)

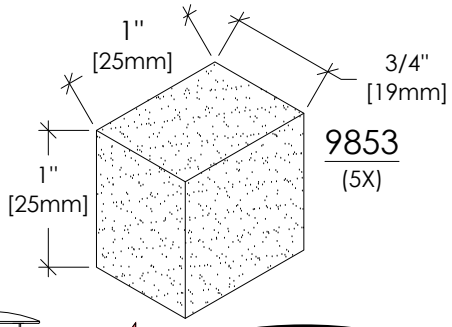


FIXED Sash Box
(1X)

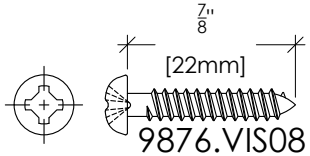
08375.58.SACn1.3V : FRAME & SASH Hardware bag



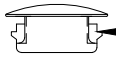
8784
(1X)



9853
(5X)



9876.VIS08
(4X)

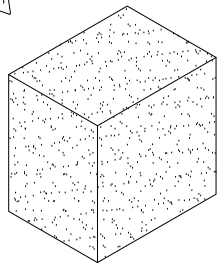


9667.CAPUC
(4X)

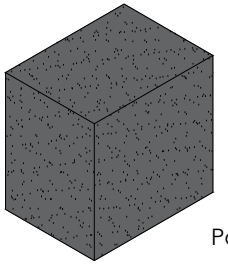
(IN)

If painted door (Inside), rather use parts in a red bag in the Sash box.

08385.54.EXTRA.3V: EXTRA Bag - IMPACT

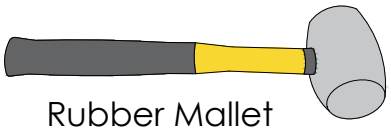


9853
(2X)- White

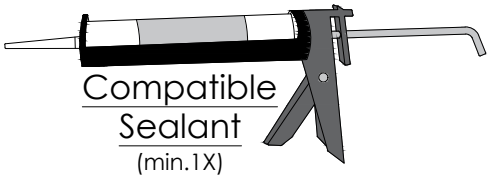


9853
(2X) - Black
OPTION
Painted Door only
(OUTSIDE)

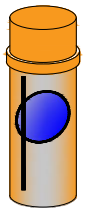
Screwdriver Bit
Quadrex 6" #2 (1X)



Rubber Mallet
(1X)



Compatible Sealant
(min.1X)



Invisible Lubricant Silicone
(1X)

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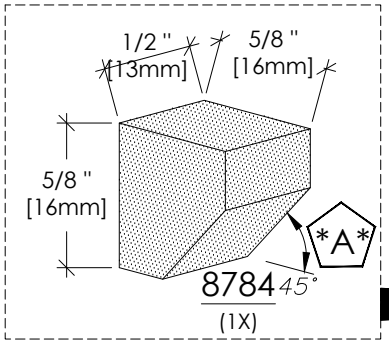
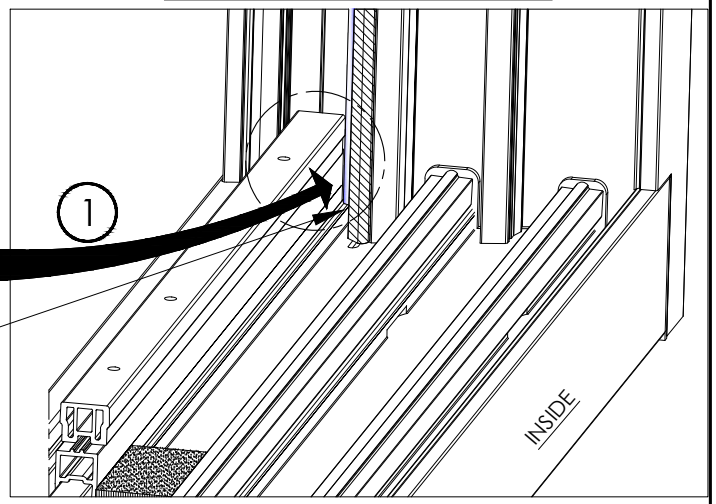


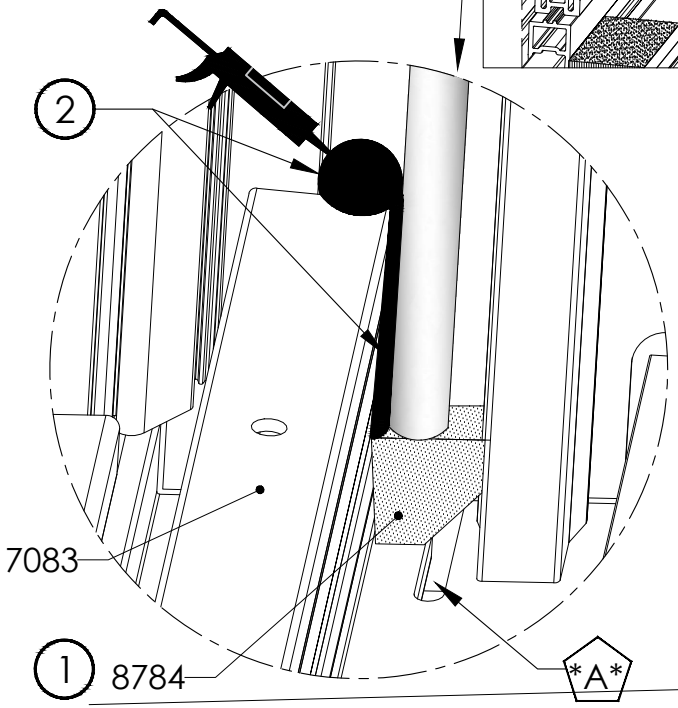
Note

This weatherstrip is not shown on Detail View to show the Bulb weatherstrip behind.

FIXED SASH Side



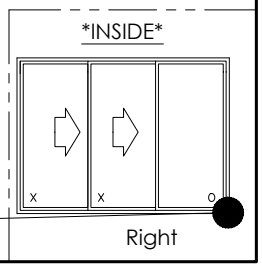
INSIDE View



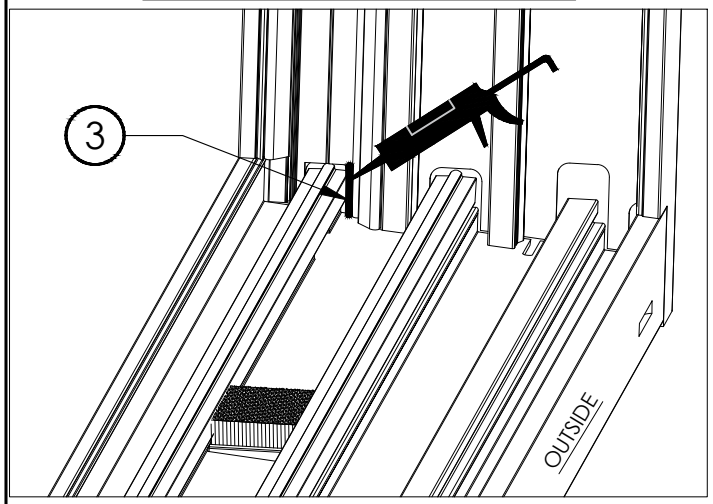
IMPORTANT:
Drainage holes must be free.

A

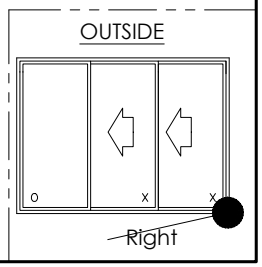
Pay attention to the angle on part 8784 when positioning.



MOBILE SASH Side



OUTSIDE View



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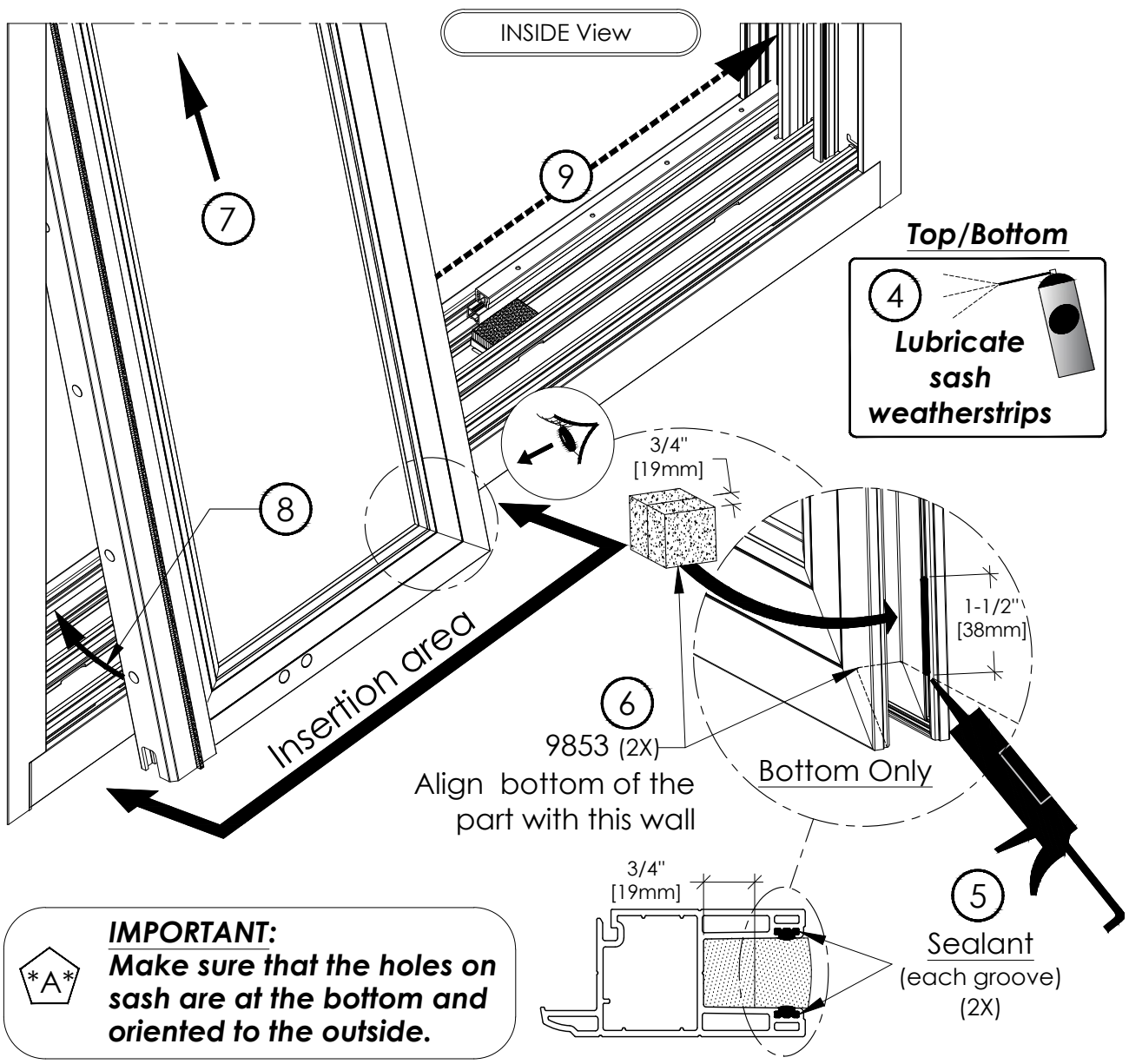
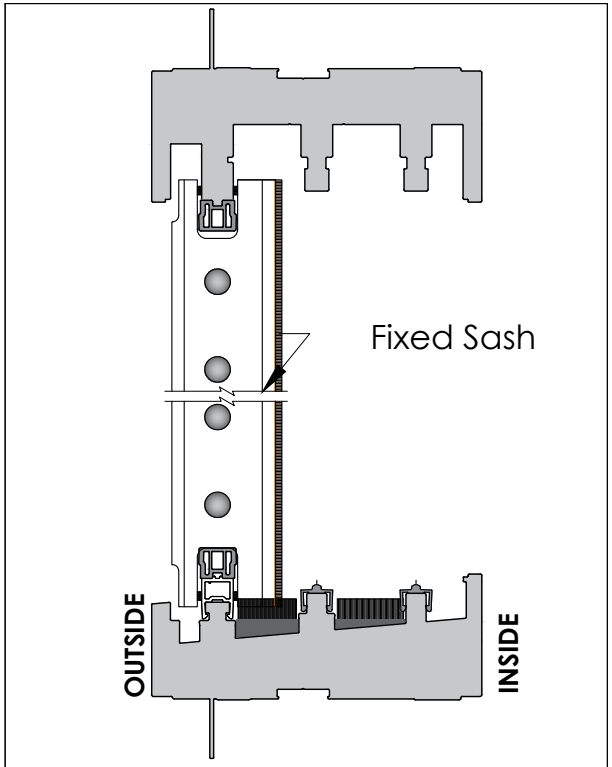
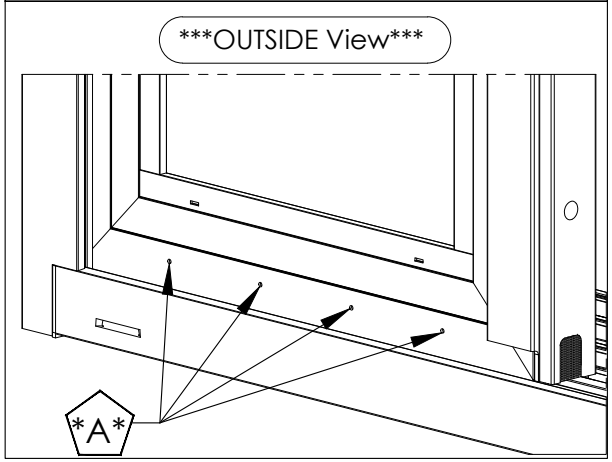
(Continued) Installation of the Fixed Sash







IMPORTANT:
Make sure that the holes on sash are at the bottom and oriented to the outside.

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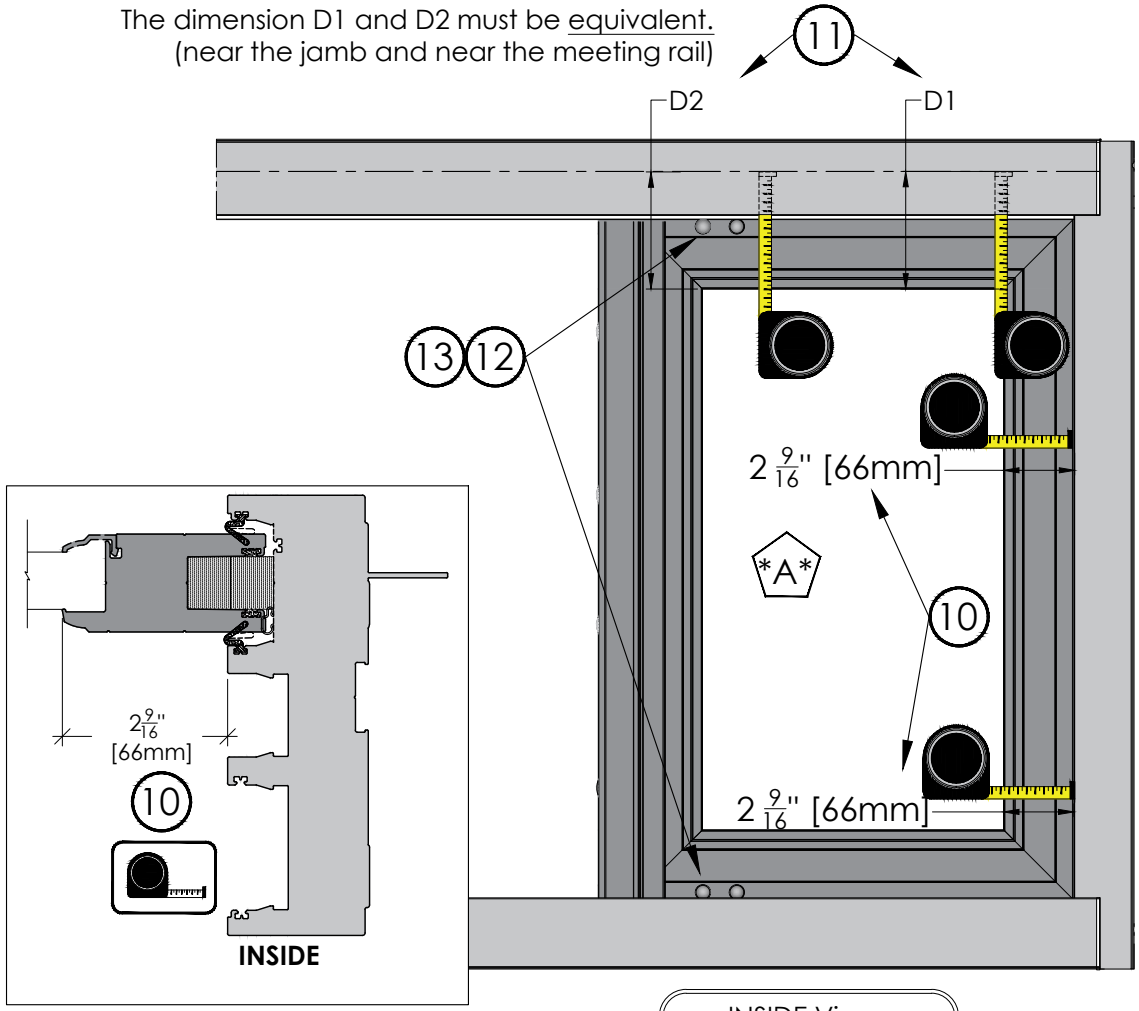
(Continued) Installation of the Fixed Sash

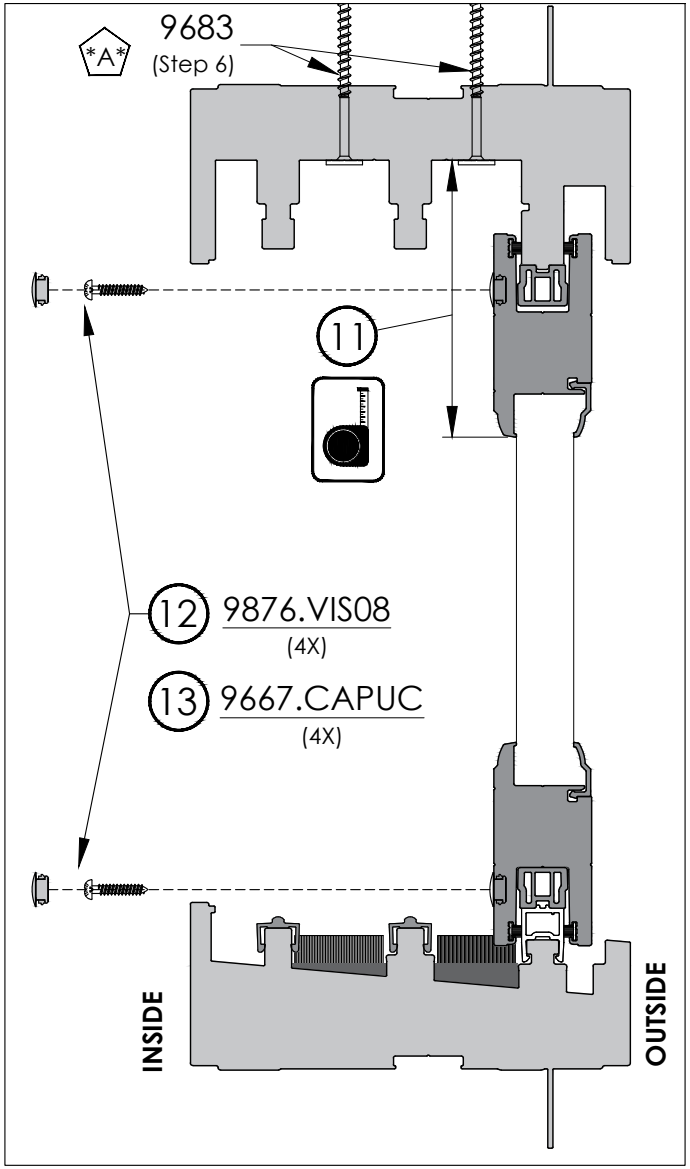
IMPORTANT:

Check the squaring of the sash before fastening. (If necessary, straighten the head with the adjustment screws 9683 - see step 6).

The dimension D1 and D2 must be equivalent.
(near the jamb and near the meeting rail)



INSIDE View



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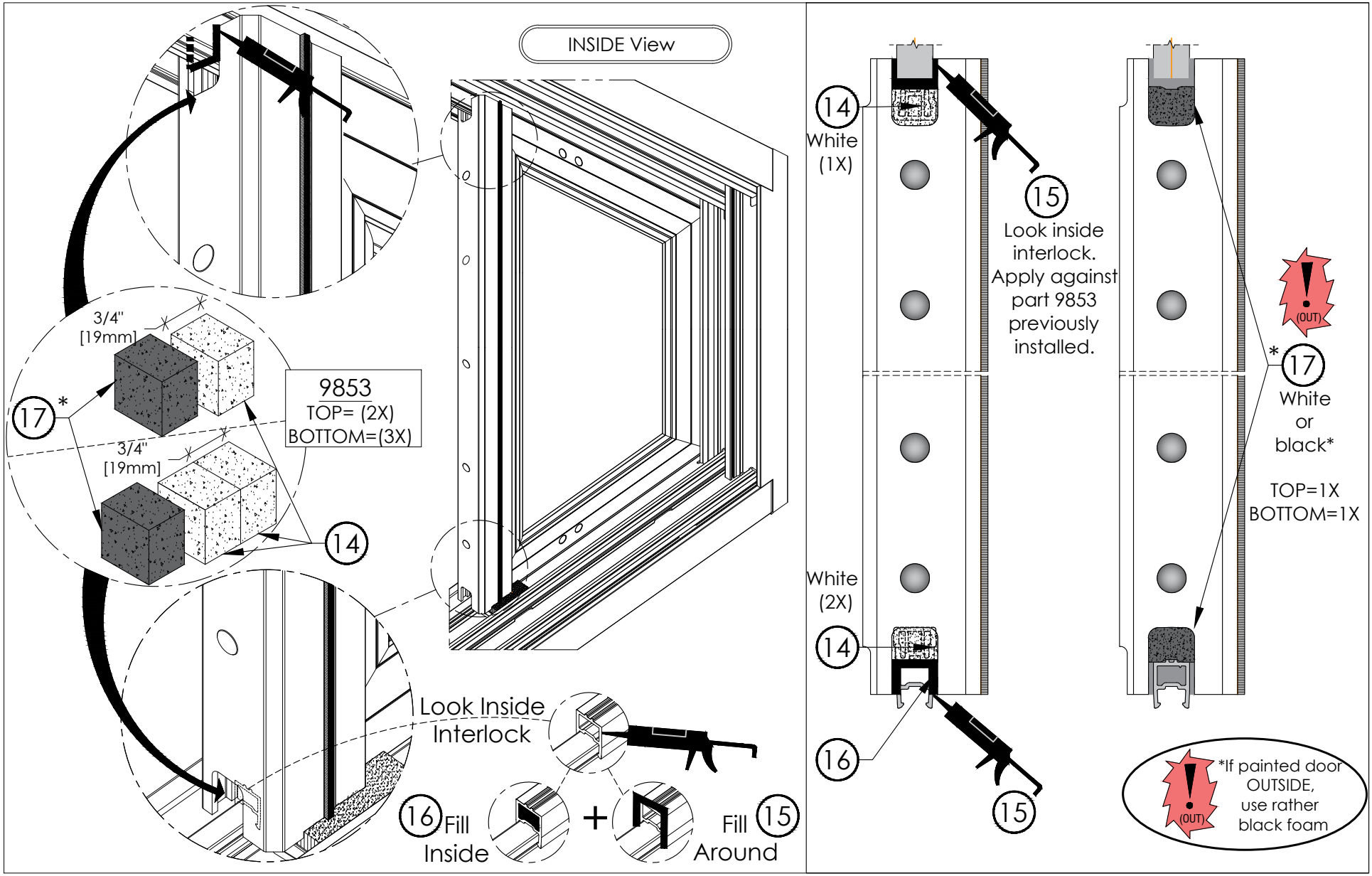
(Continued) Installation of the Fixed Sash



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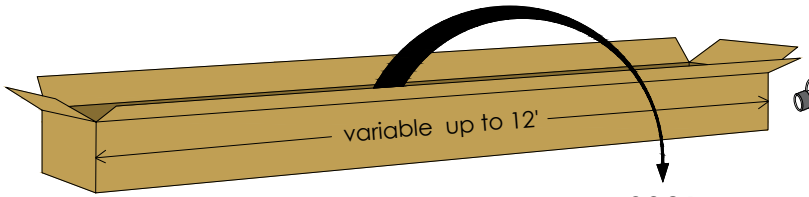
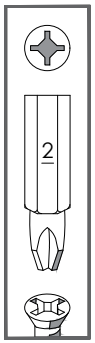
Installation of Central Sash & Head Tracks #8321

Tools and components required for this step

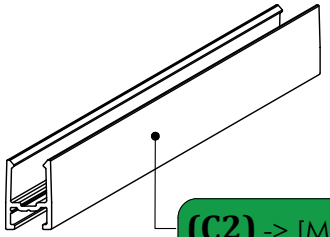


8321
(2X)

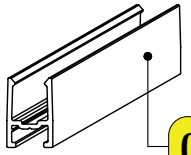
Impact
(1X)



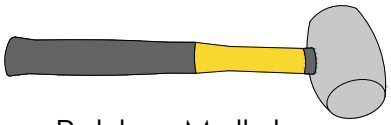
Screwdriver Bit
(1X)



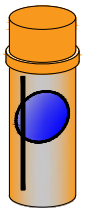
(C2) -> [M]



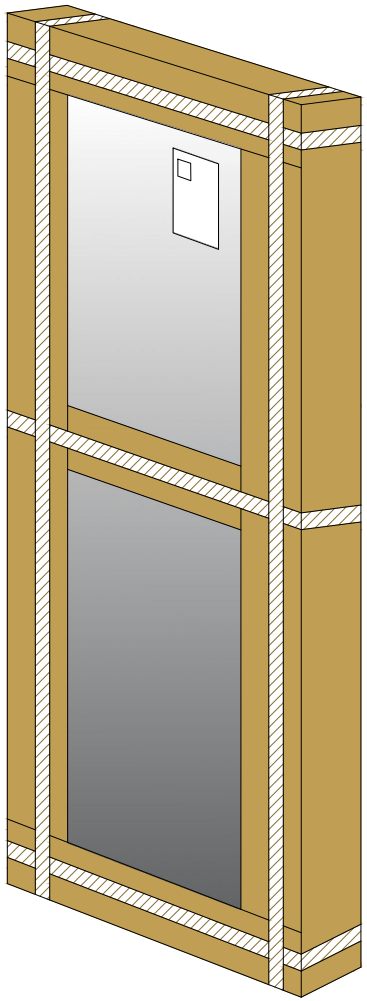
(C1) -> [F]



Rubber Mallet
(1X)

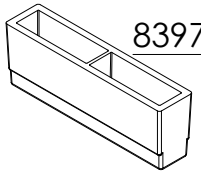


Invisible Lubricant Silicone
(1X)

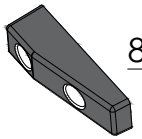


CENTRAL Sash Box
(1X)

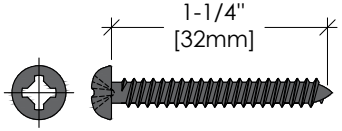
08375.58.SACn1.3V : FRAME & SASH Hardware bag



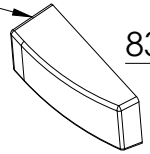
8397.58.ANCVS
(1X)



8389.ARREV
(1X)

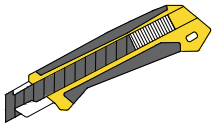


8941.VIS08
(2X)
BLACK



8389.CAPEV
(1X)

If painted door (IN=Inside), rather use parts on red bag in Sill box .



Knife
(1X)

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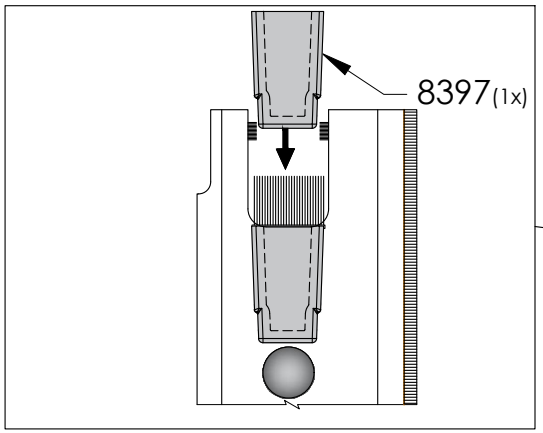
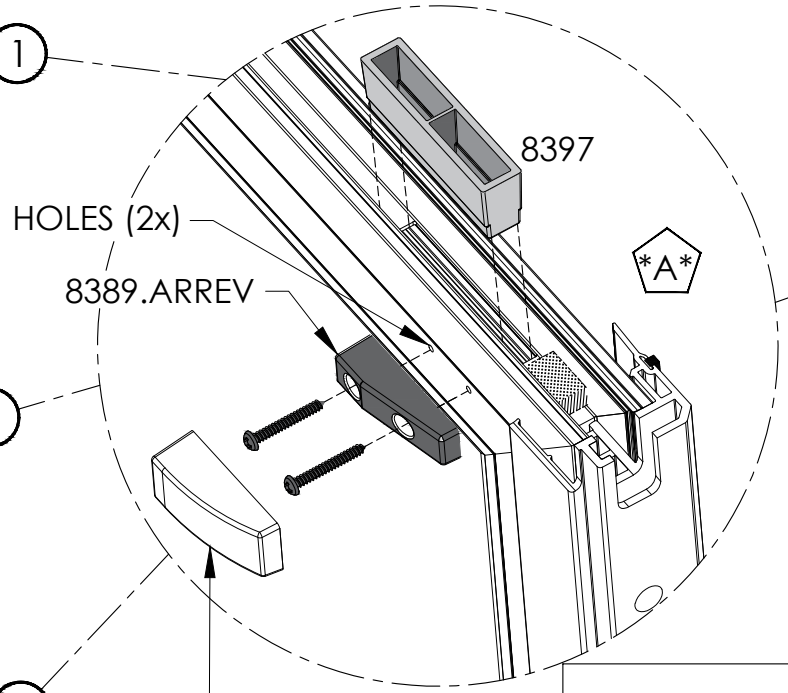
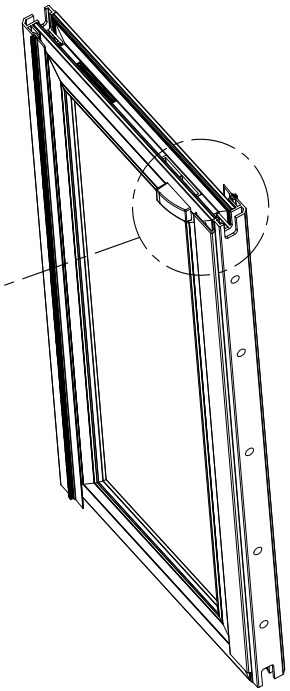
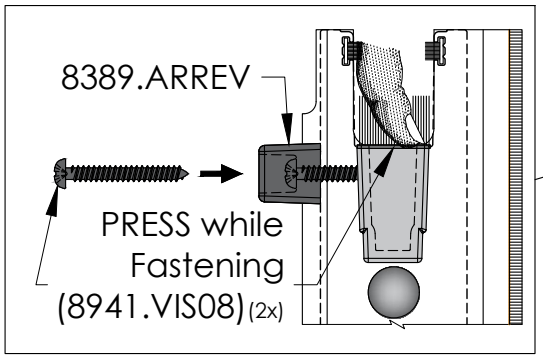


1

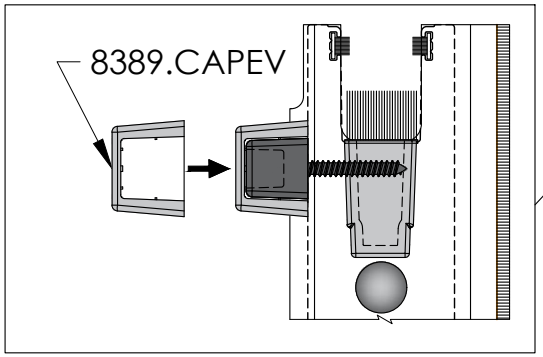
A **ATTENTION:**
MUST BE DONE BEFORE INSERTING SASH IN FRAME.





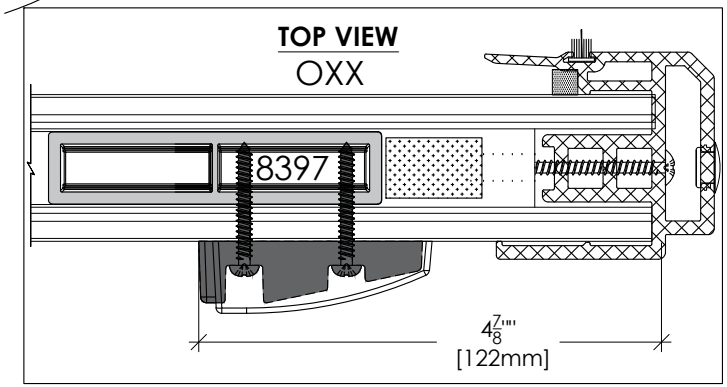


2



3

INSIDE View



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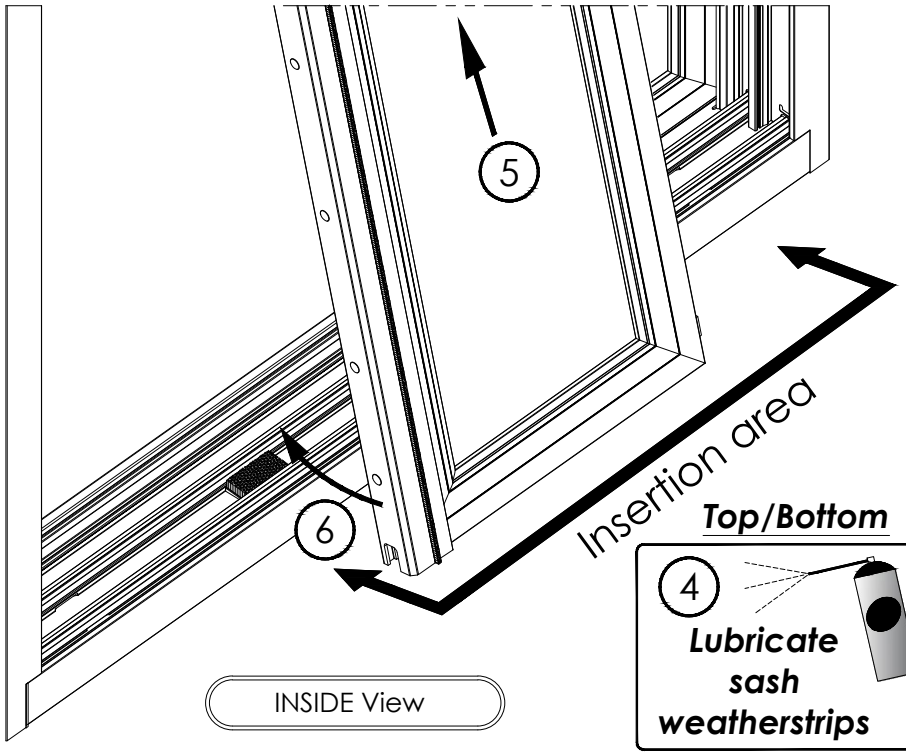
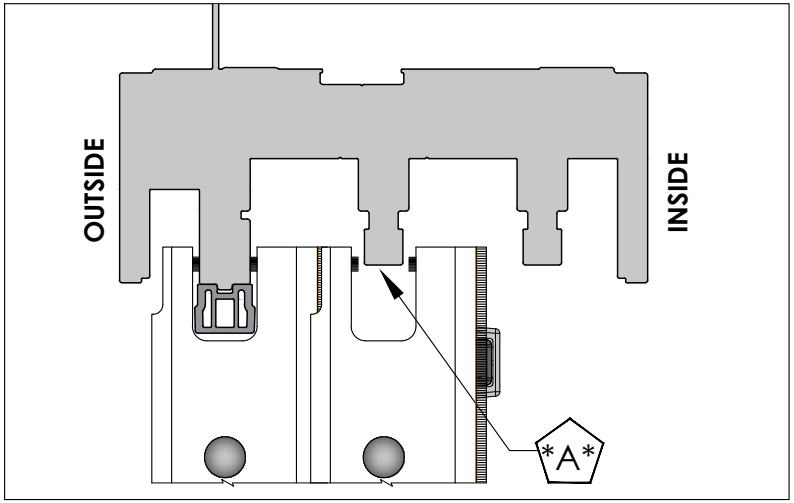
(Continued) Installation of Central Sash & Head Tracks #8321

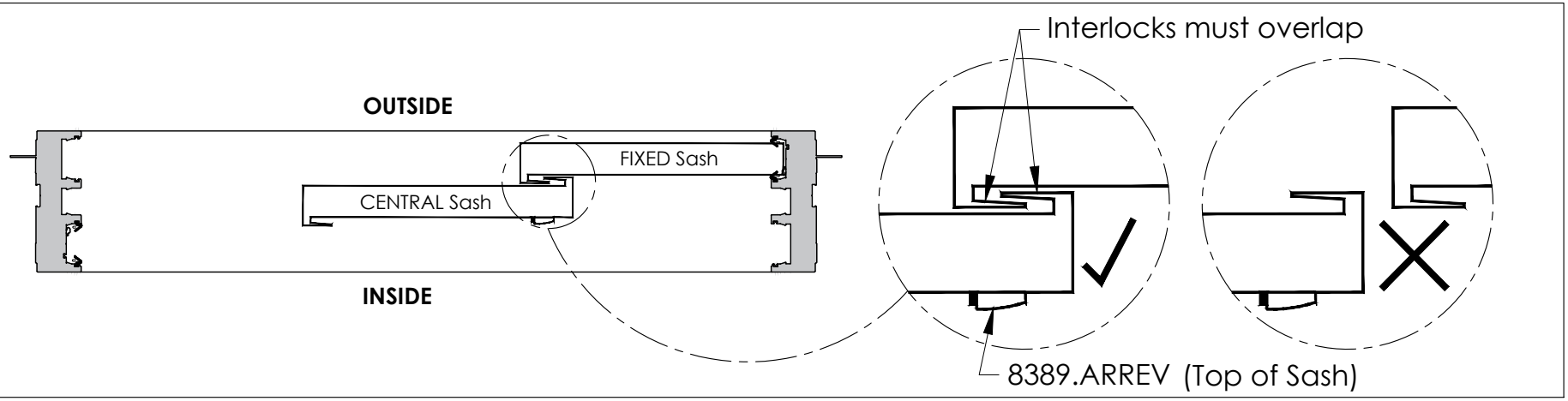




Top/Bottom

4 ***Lubricate sash weatherstrips***

A ***IMPORTANT: Sash header engagement is minimal at this stage. (The sash is free standing and could disengage from the header until head track is installed (see next page).***



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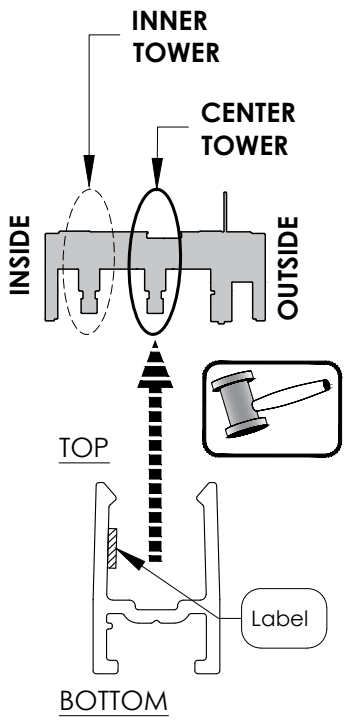


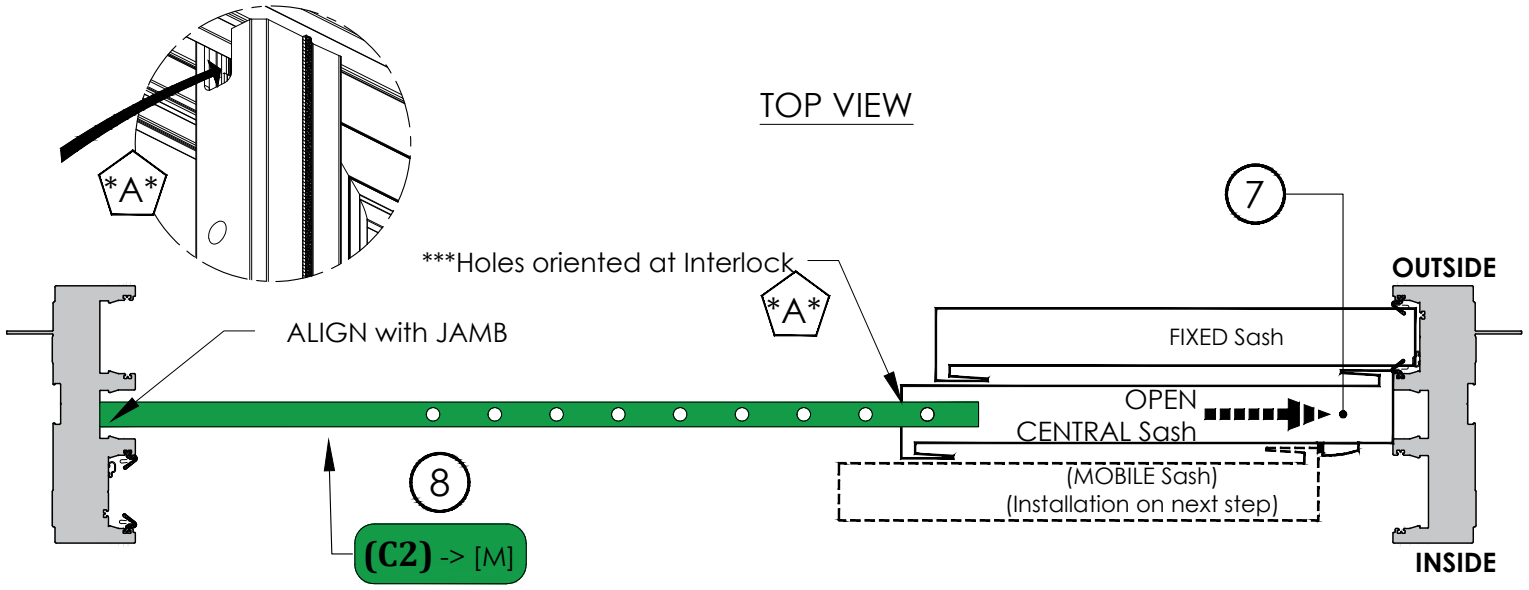
Legend:

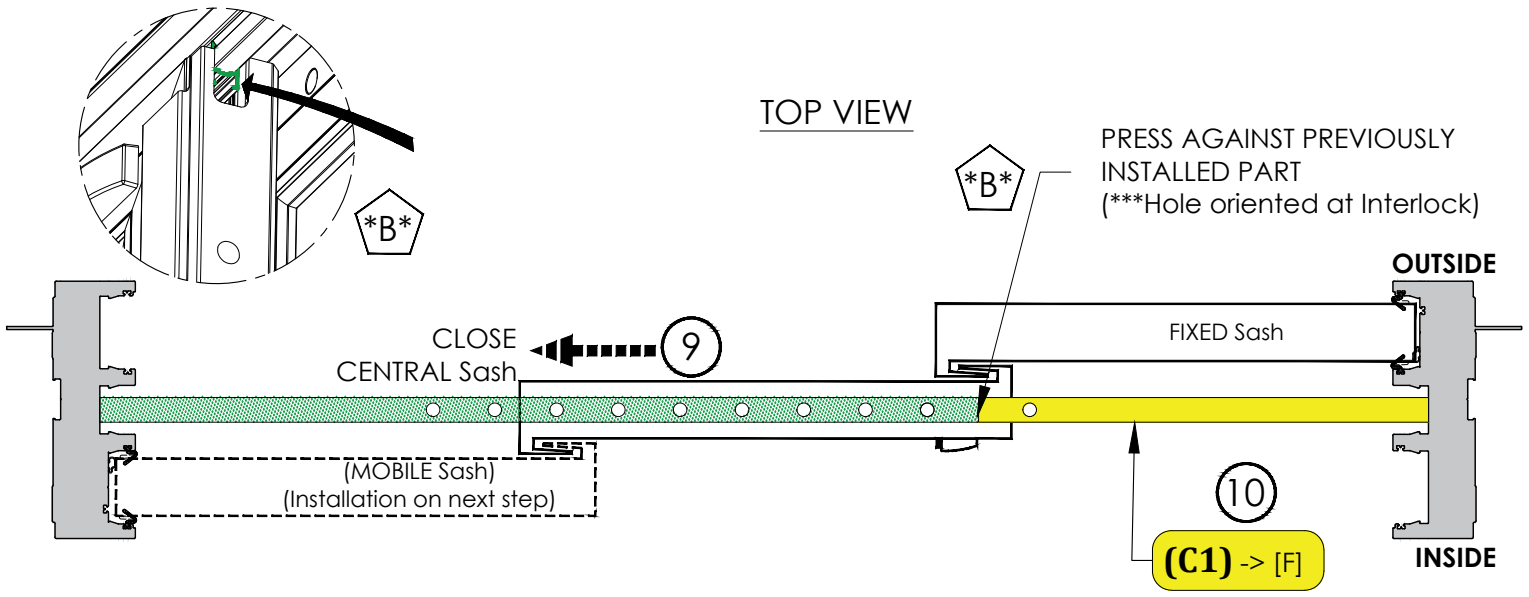
INNER TOWER:
(I1) -> [M]
= Part 1 (close to Mobile Sash)

(I2) -> [F]
= Part 2 (close to Fixed Sash)

CENTER TOWER:
(C1) -> [F]
= Part 1 (close to Fixed Sash)

(C2) -> [M]
= Part 2 (close to Mobile Sash))





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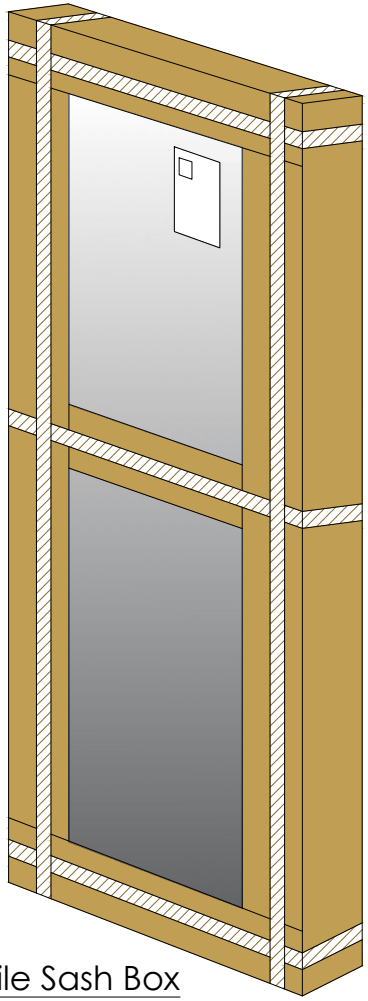
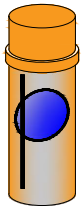
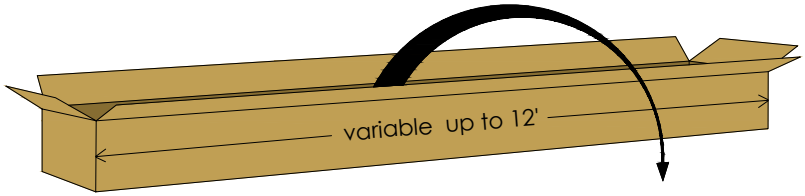
Tools and components required for this step



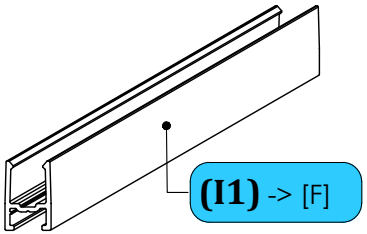
Mobile Sash Box
(1X)

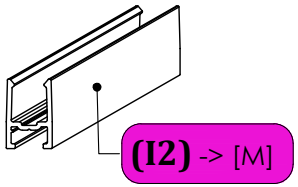


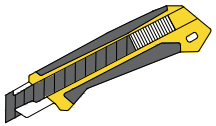
Invisible Lubricant Silicone
(1X)



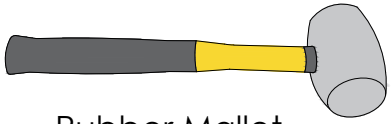
8321
(2X)







Knife
(1X)



Rubber Mallet
(1X)

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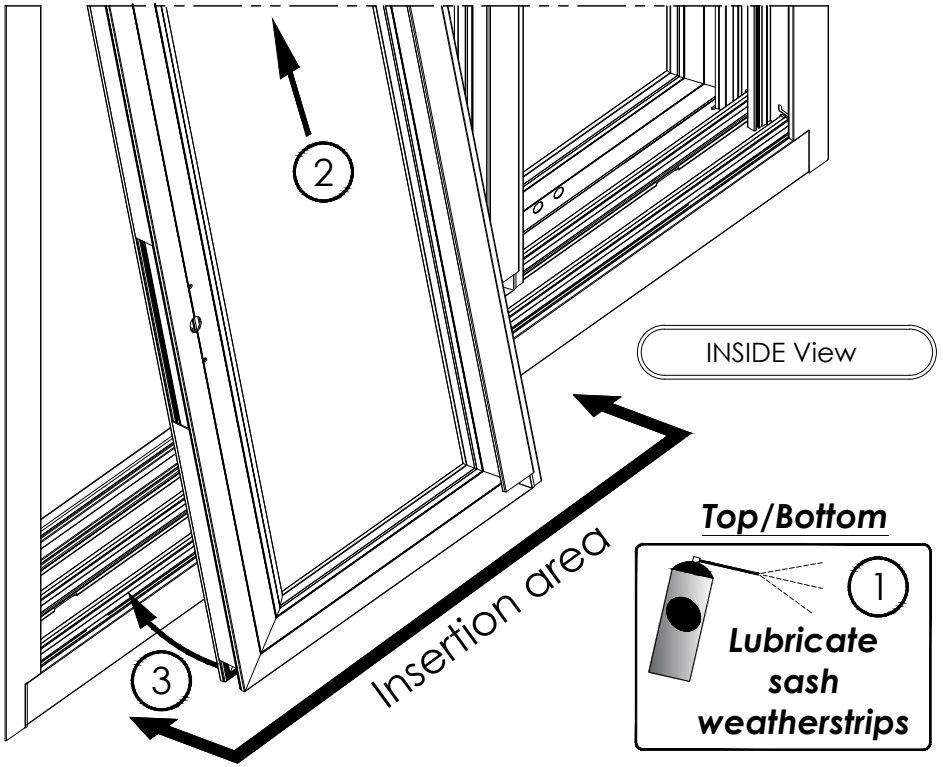
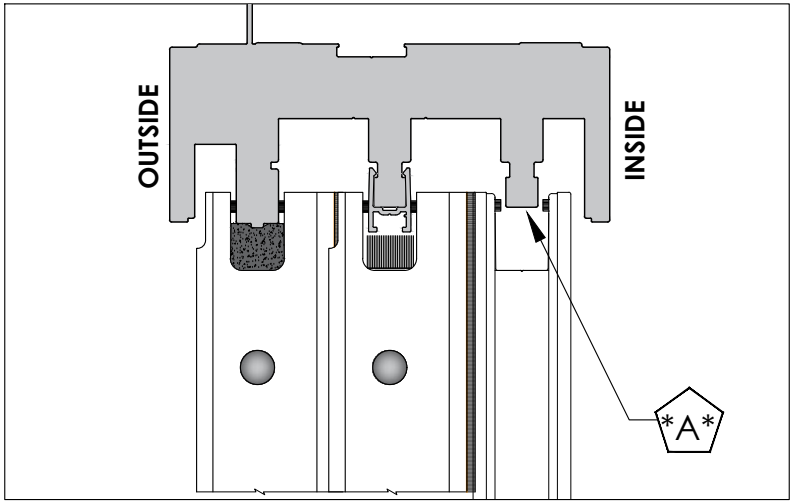
(Continued) Installation of Mobile Sash & Head Tracks #8321



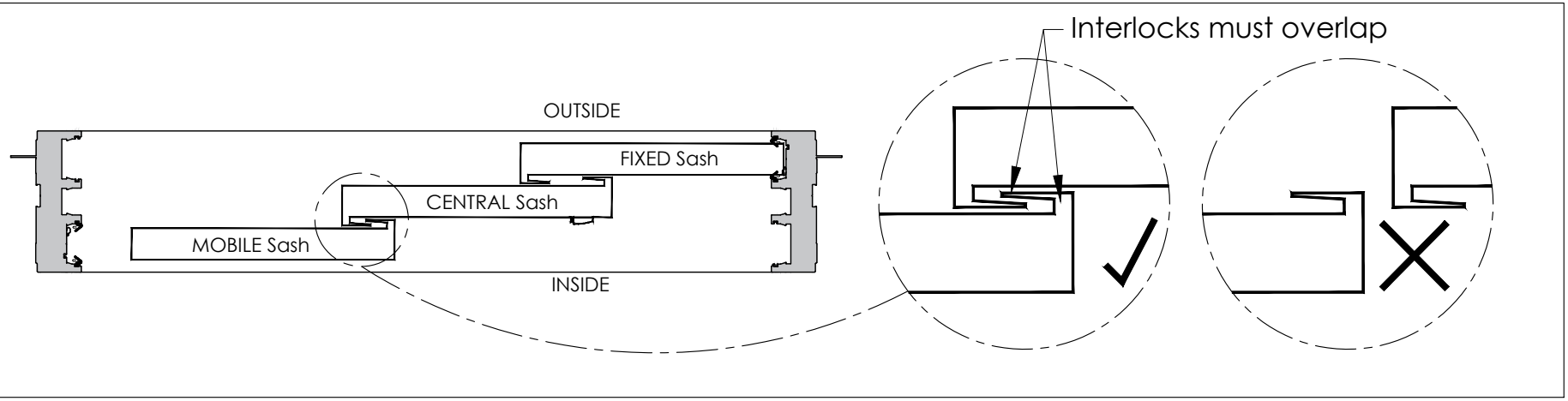


Top/Bottom

Lubricate sash weatherstrips

A

IMPORTANT: Sash header engagement is minimal at this stage. (The sash is free standing and could disengage from the header until head track is installed (see next page).



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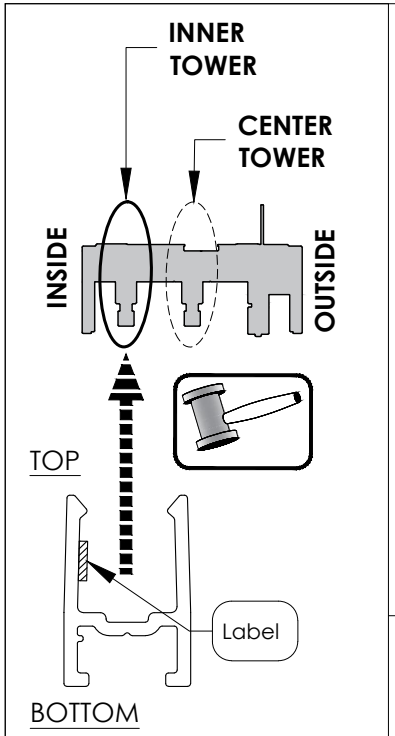


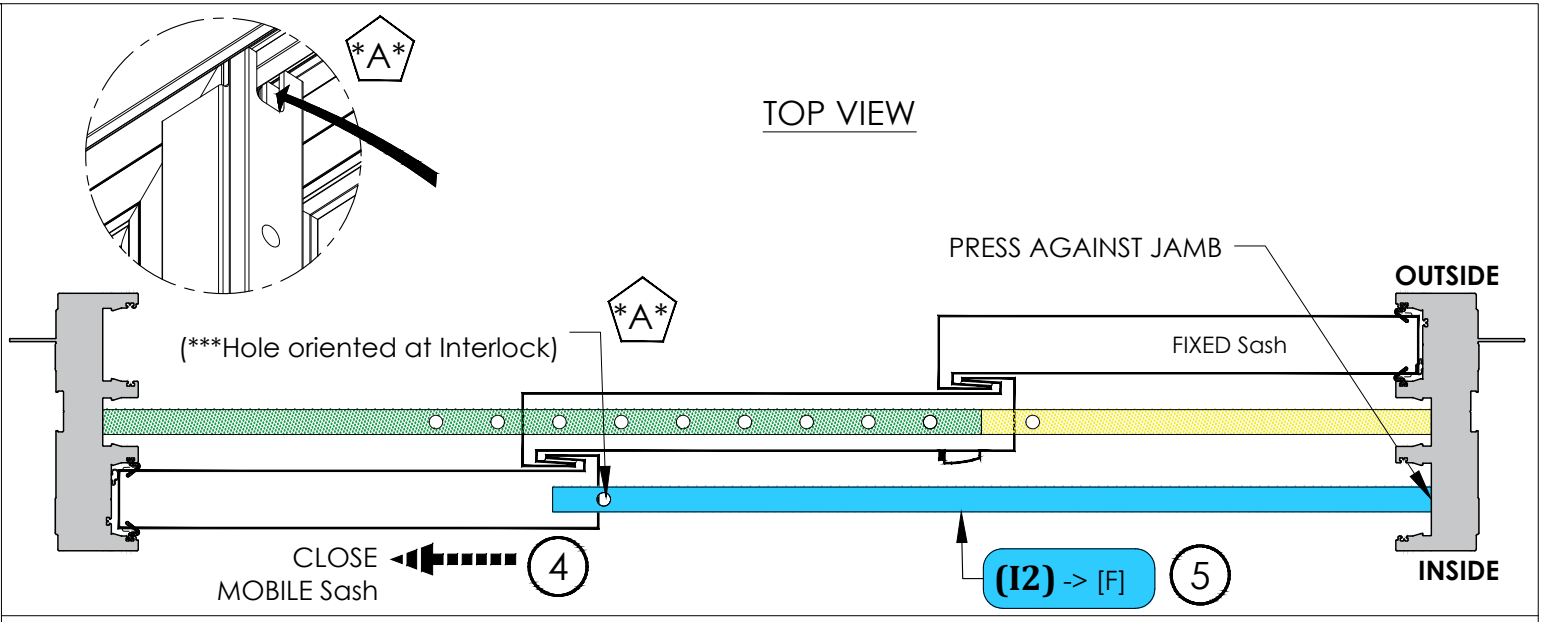
Legend:

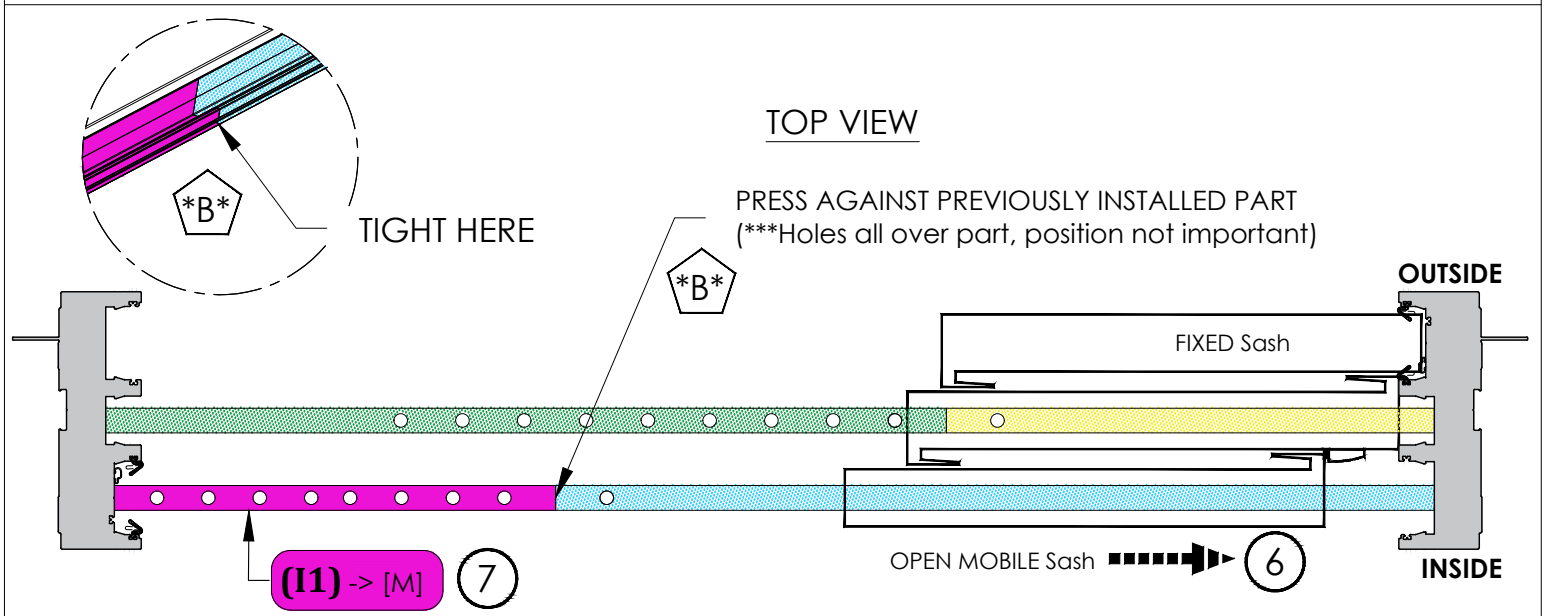
INNER TOWER:
(I1) -> [M]
= Part 1 (close to Mobile Sash)

(I2) -> [F]
= Part 2 (close to Fixed Sash)

CENTER TOWER:
(C1) -> [F]
= Part 1 (close to Fixed Sash)

(C2) -> [M]
= Part 2 (close to Mobile Sash))





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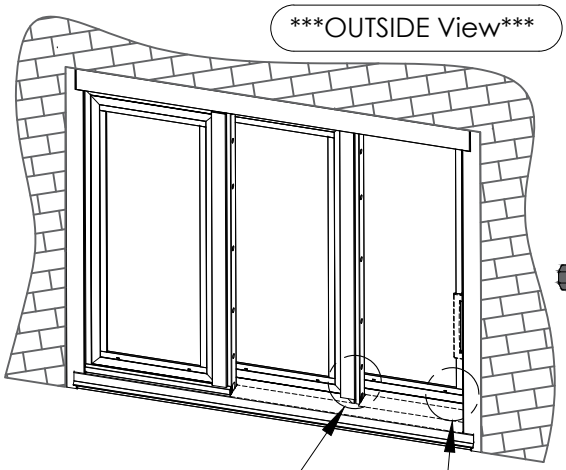
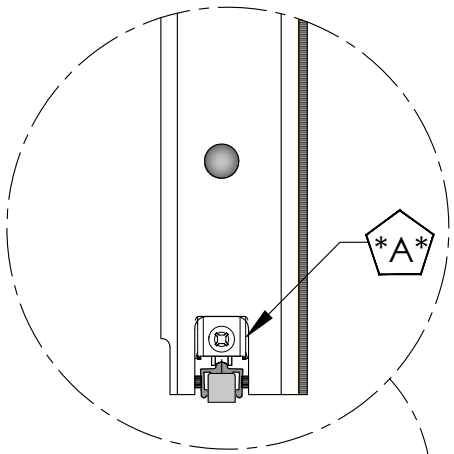
Adjustment of the Sash



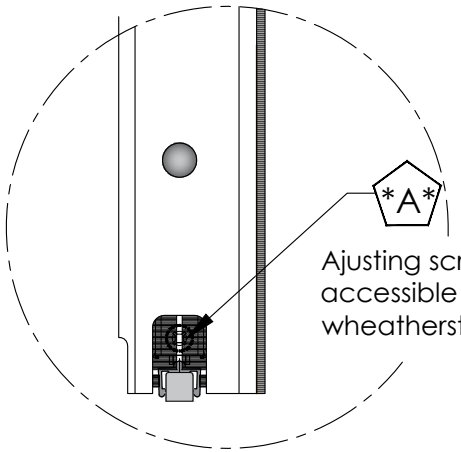
A

ATTENTION:
Adjust the height and squareness of the shashes (centrals and mobiles) with the adjusting screw.

Screwdriver Bit
Quadrex 6" #2 (1X)

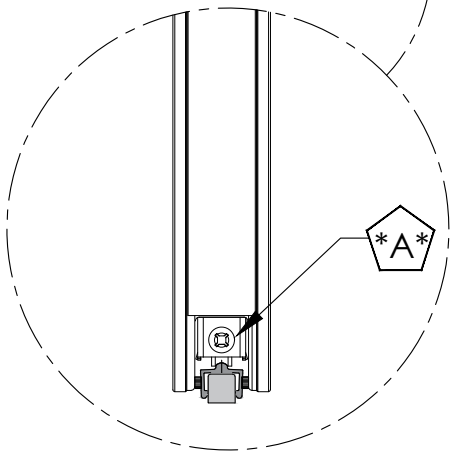


Mobile Sash

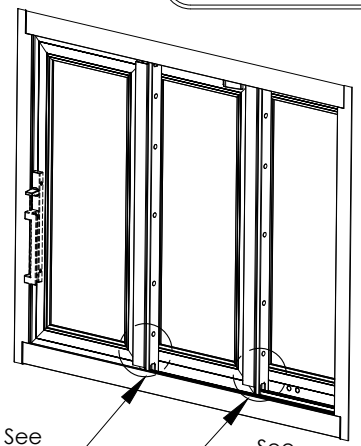


Ajusting screw accessible behind the wheatherstrip

Central Sash



INSIDE View



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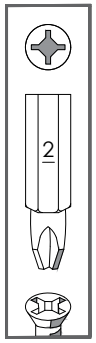
Installation of Head Blocks

Tools and hardware required for this step

Impact
(1X)

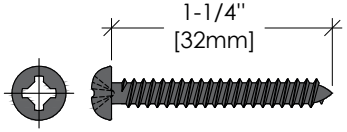


Screwdriver Bit
(1X)

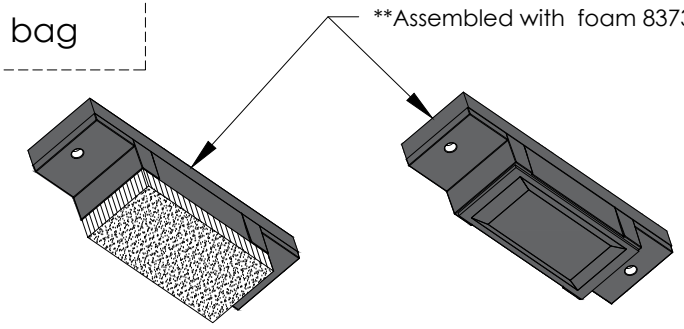
Compatible Sealant
(min.1X)

Screwdriver Bit
Quadrex 6" #2 (1X)

08375.00.SACn2.3V : HEAD Hardware bag



8941.VIS08
(8X)
BLACK



00703.ADM35
(2X)

8703.BMSCF
(1X)

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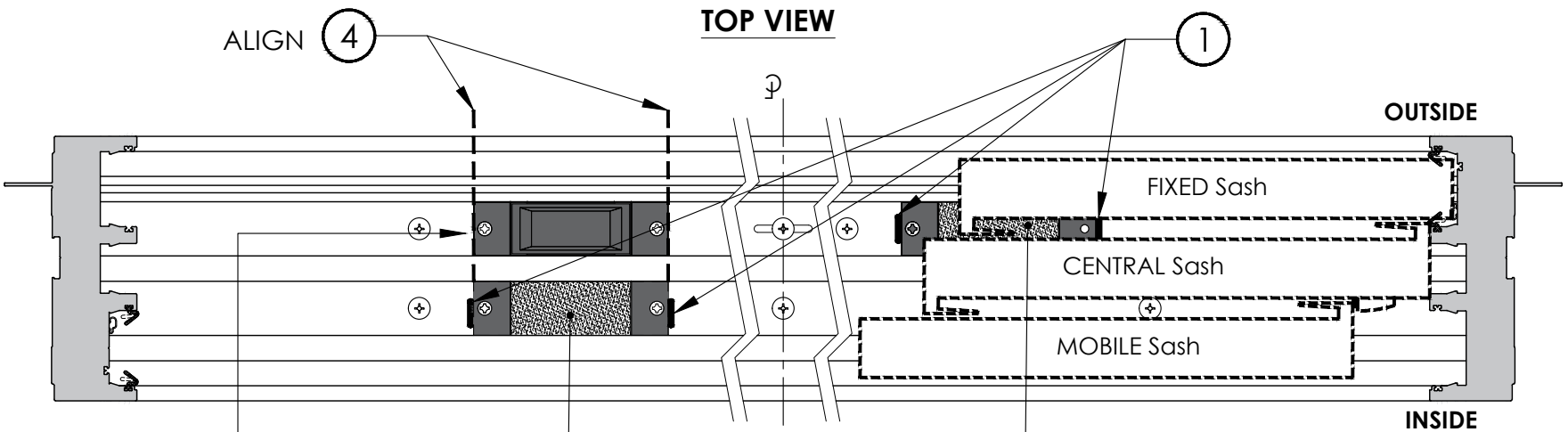
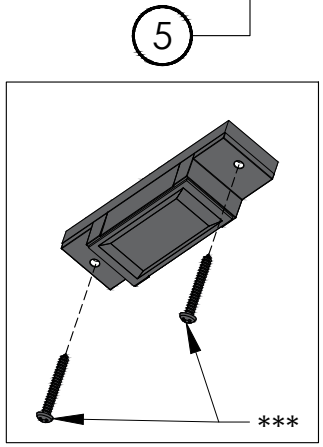
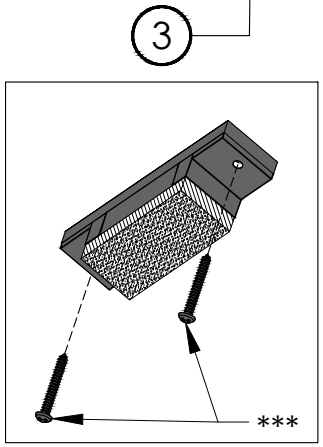
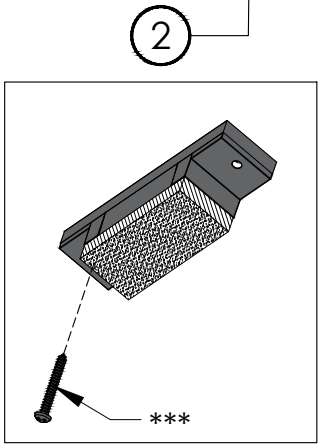
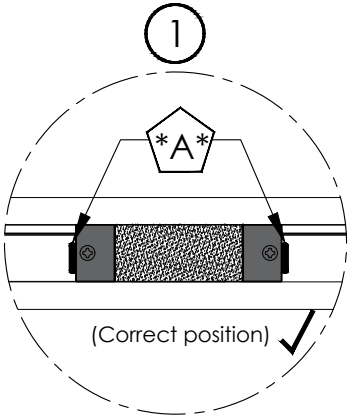
(Continued) Installation of Head Blocks











******ATTENTION***:***
Do not overtighten screws
(Foam under head block should not be compressed)

A
ATTENTION:
The blocks must be centered between the marks.

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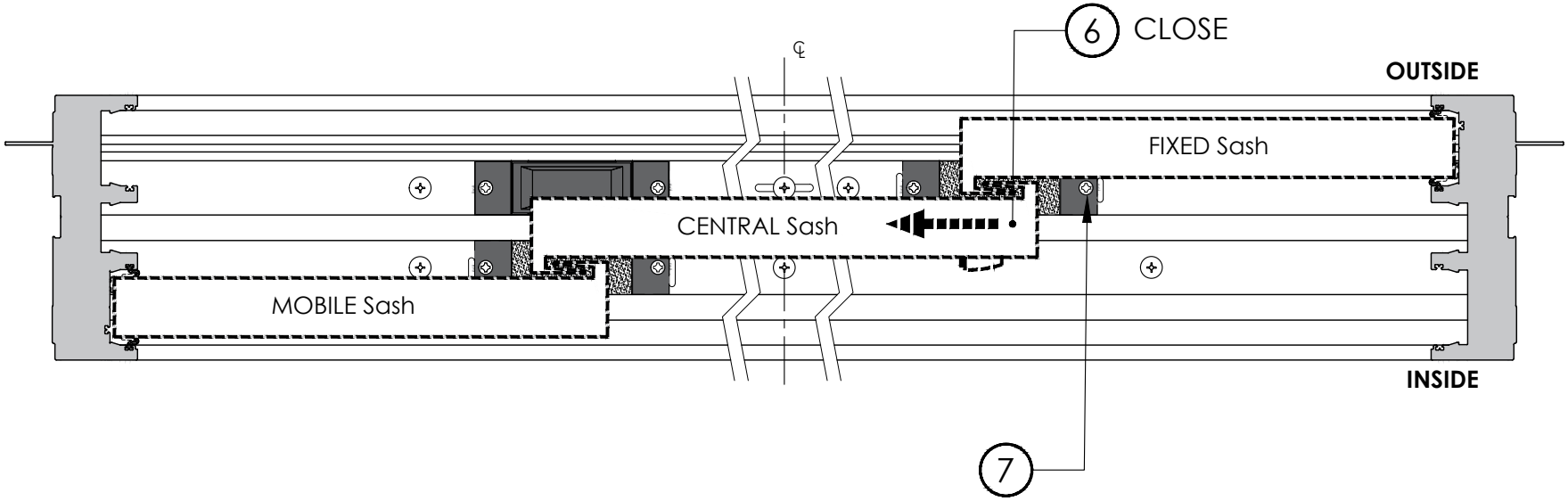
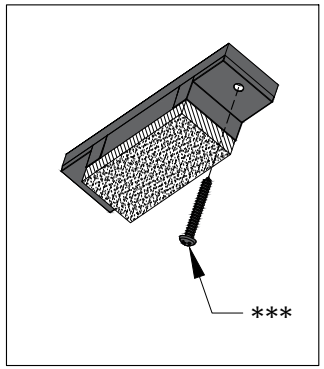
(Continued) Installation of Head Blocks

TOP VIEW





******ATTENTION***:***

Do not overtighten screw

(Foam under head block should not be compressed)

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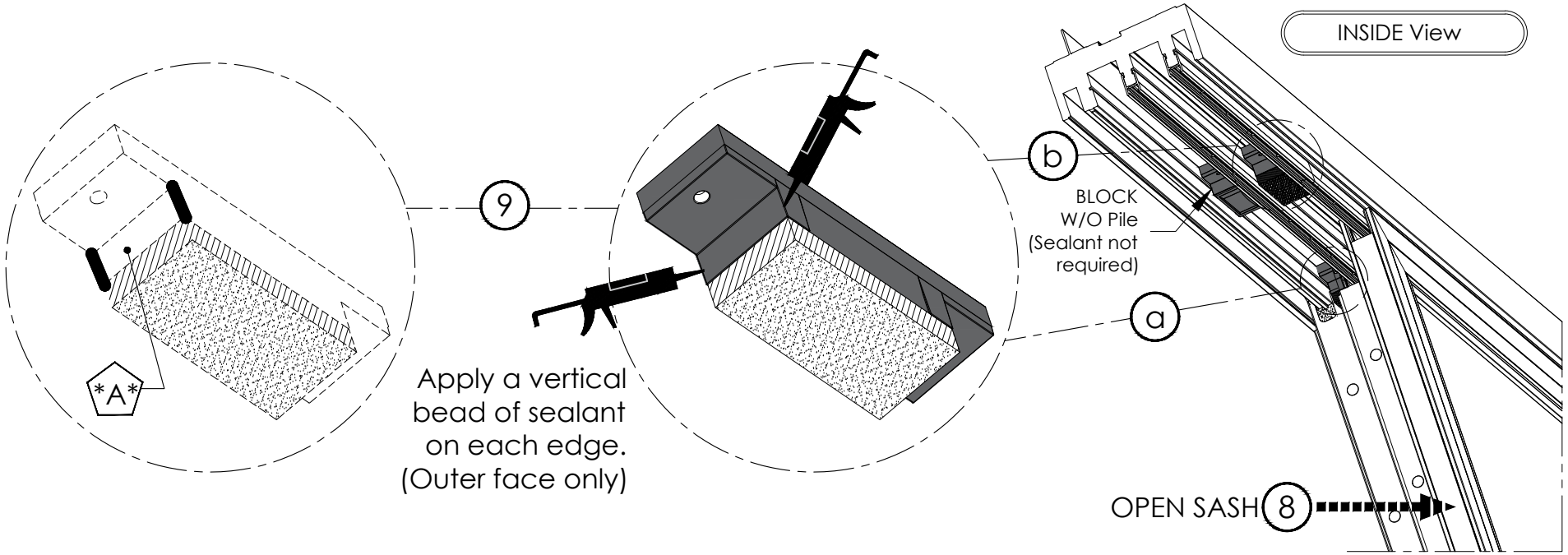
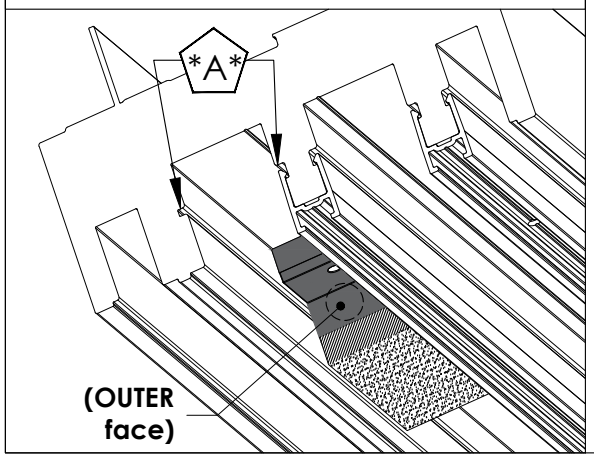
(Continued) Installation of Head Blocks



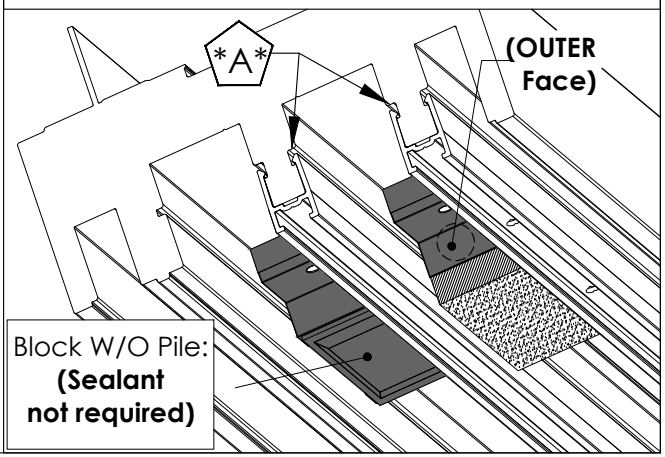
FIXED SASH Side (a)



A

ATTENTION:
On the outer face of the head blocks WITH Weatherstrip:
Make sure the grooves in the head are filed with sealant.

MOBILE SASH Side (b)



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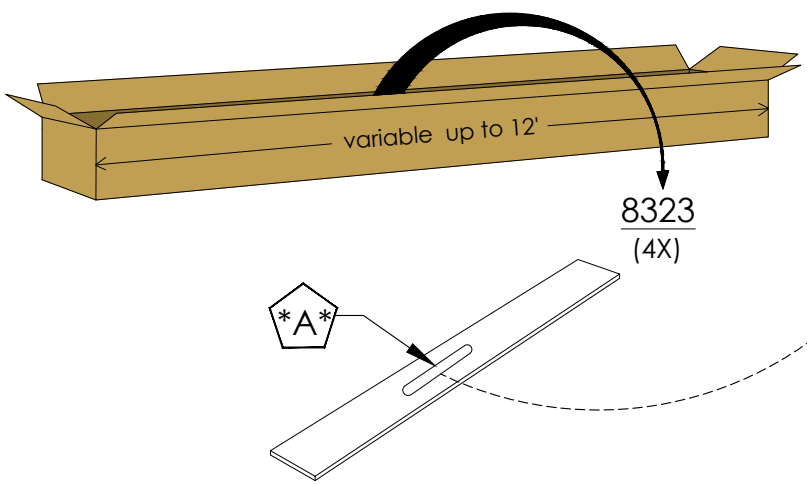
Installation of Head Covers #8323

Components required for this step



PAY ATTENTION TO THE COLOR IF THE DOOR IS PAINTED

(FI) INSIDE COLOR
(MI)

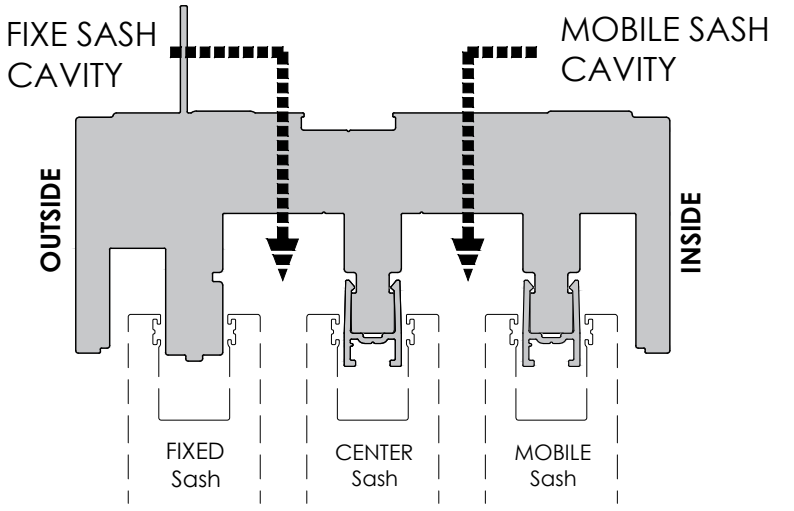
(FC) OUTSIDE COLOR
(FE)
(ME)

ATTENTION:
Label should not be visible when part is installed.
(See next page)

Legend:

On the Fixe Sash cavity:
FI = Fixe (Inside)
FC = Fixe (Central)
FE = Fixe (Outside)

On the Mobile Sash cavity:
MI = Mobile (Inside)
ME = Mobile (Outside)



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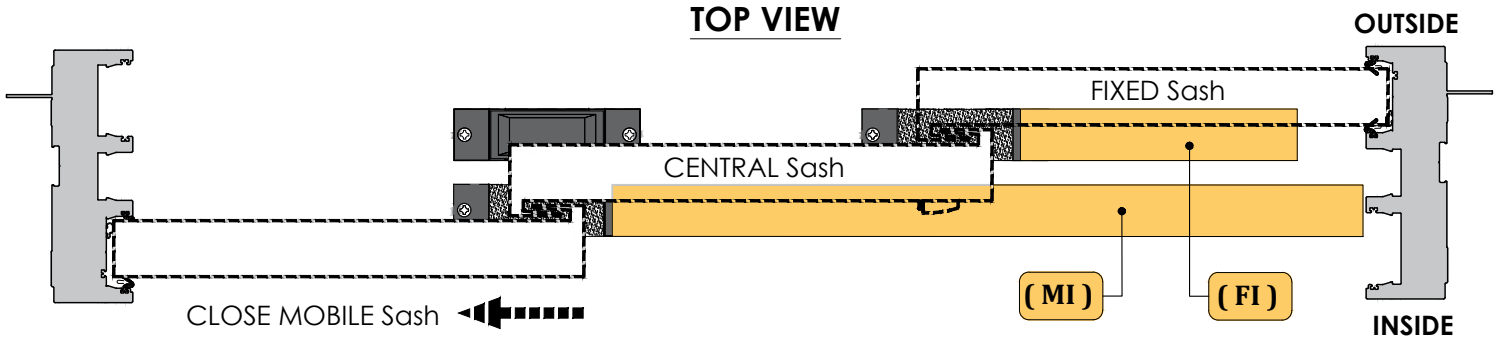
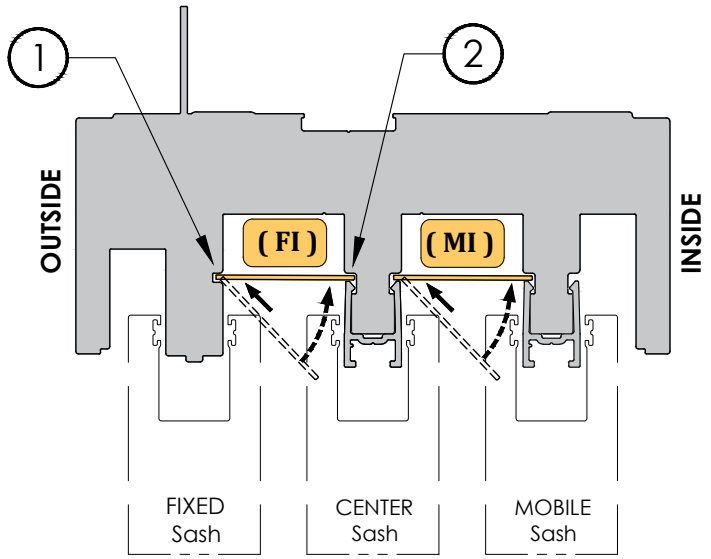
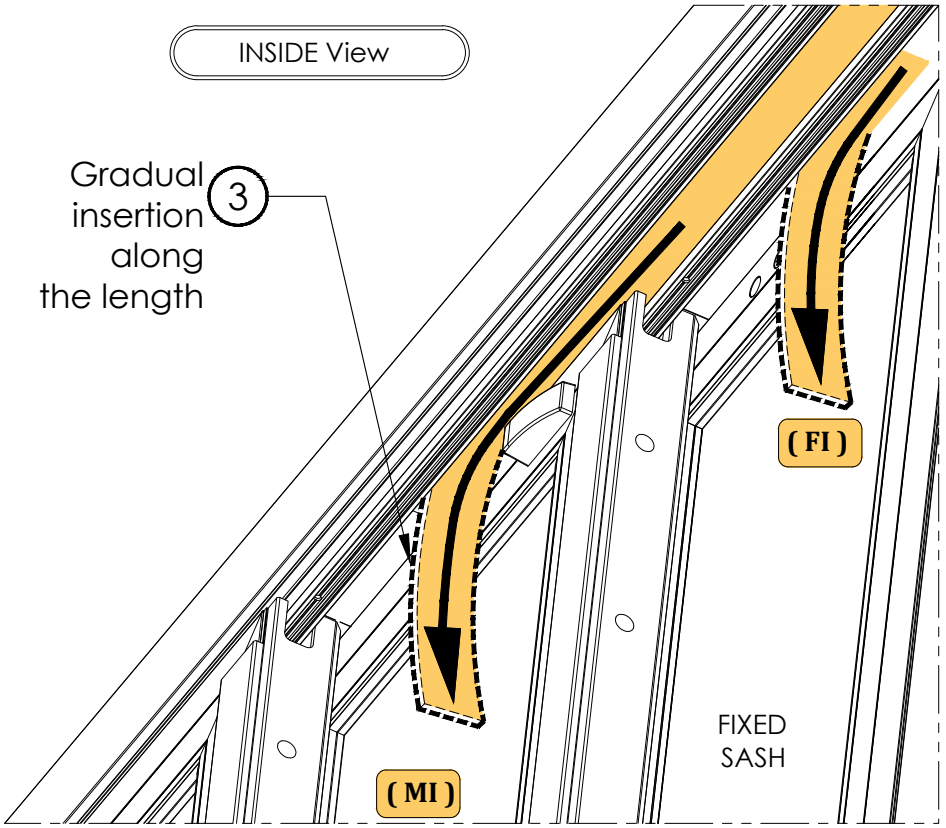
(Continued) Installation of Head Covers #8323



A

Follow steps 1-2-3 for each head covers.
Make sure the parts are properly snapped.
(Pay attention at the color if door is painted)





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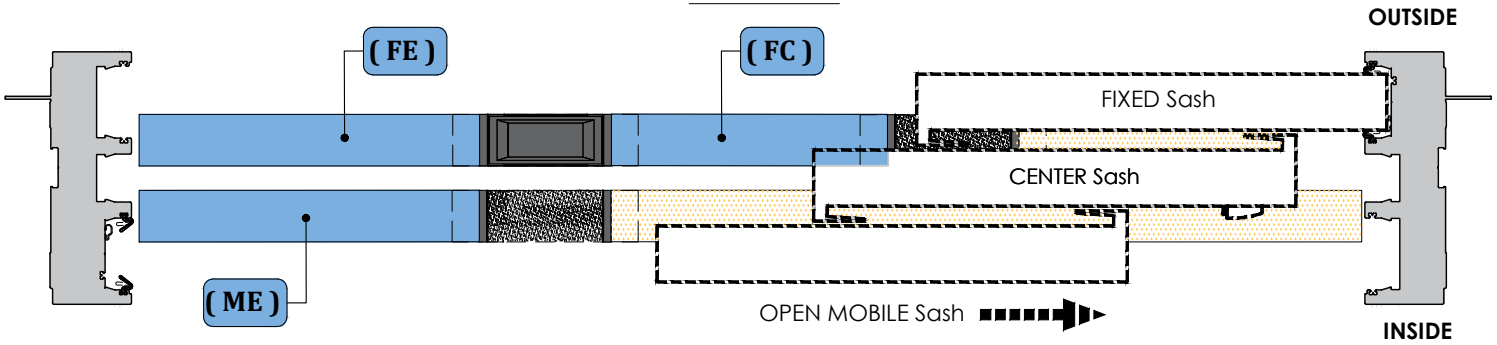
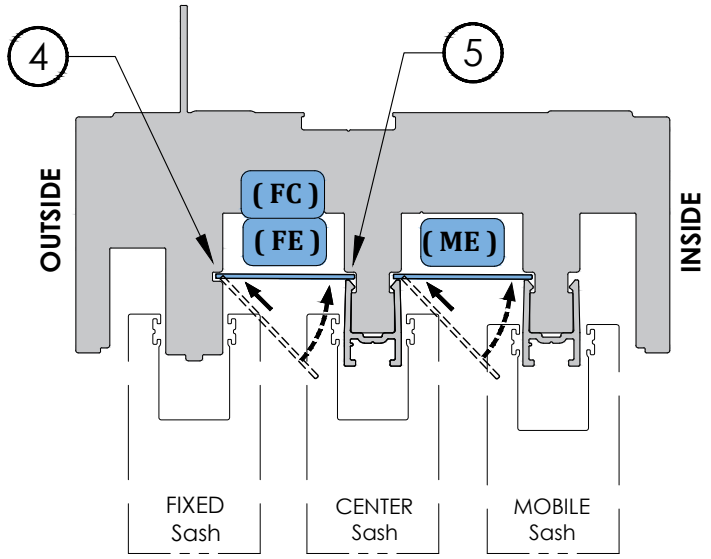
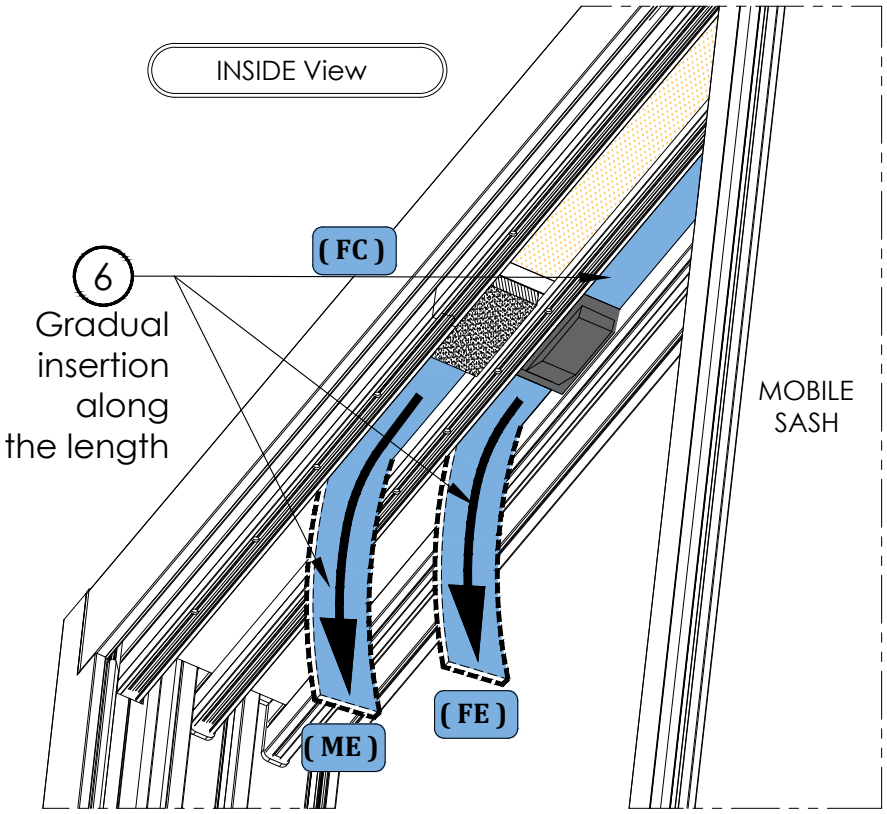
TOP VIEW



A

Follow steps 4-5-6 for each head covers.
Make sure the parts are properly snapped.
(Pay attention at the color if door is painted)





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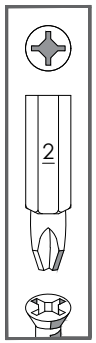
Fastening Head Tracks #8321 to the Frame

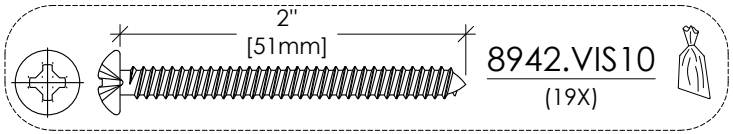
Tools and hardware required for this step

Impact
(1X)



Screwdriver Bit
(1X)

08380.00.SACn2.3V : HEAD Hardware bag



8942.VIS10
(19X)

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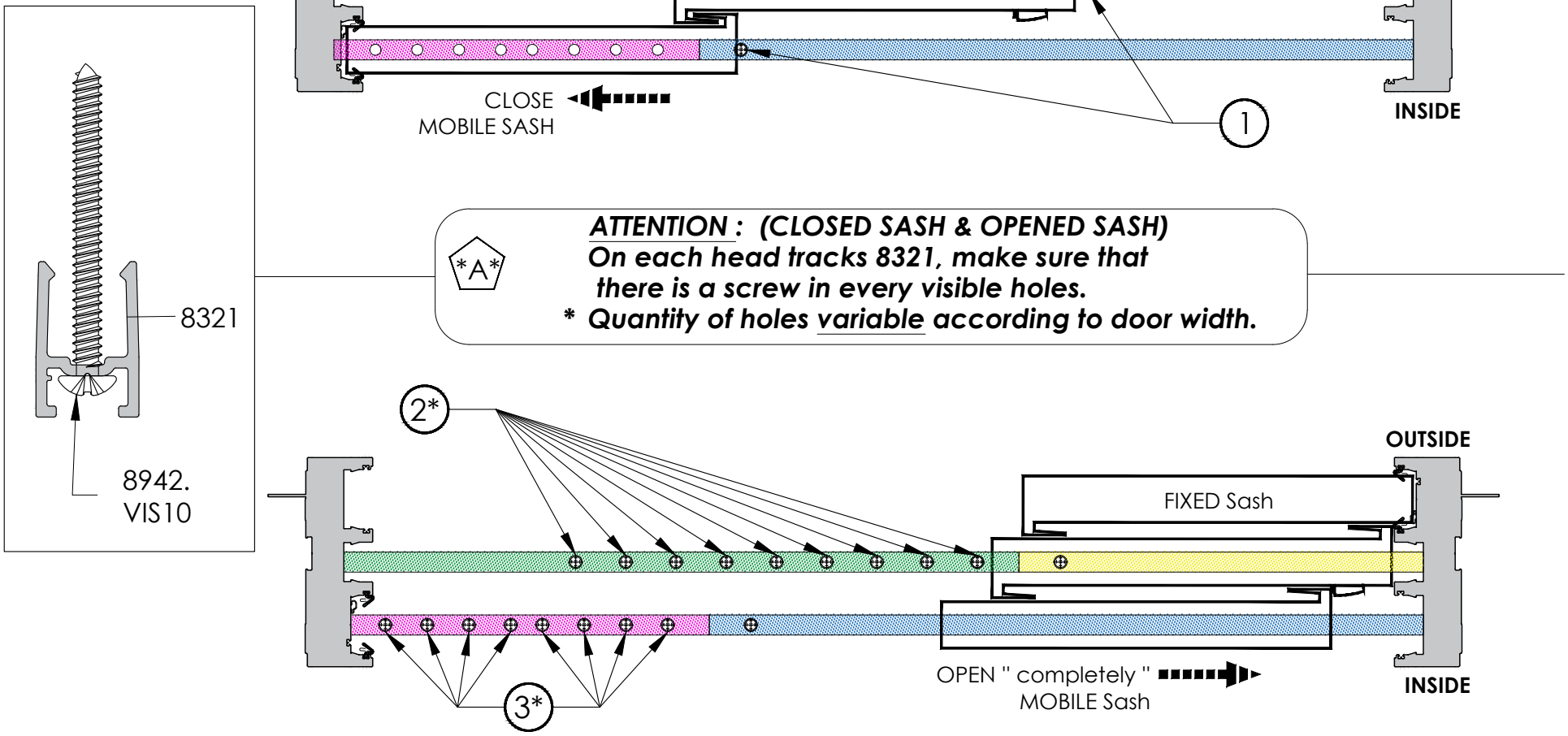
(Continued) Fastening Head Tracks #8321 to the Frame



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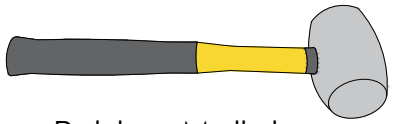
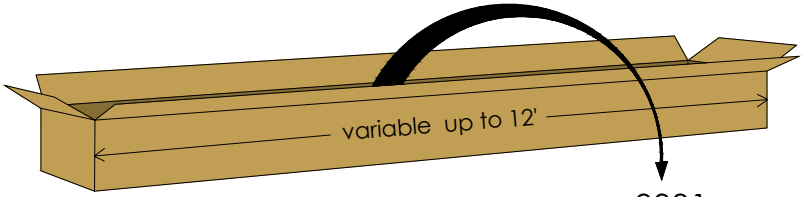
Installation of Groove Cover #8331

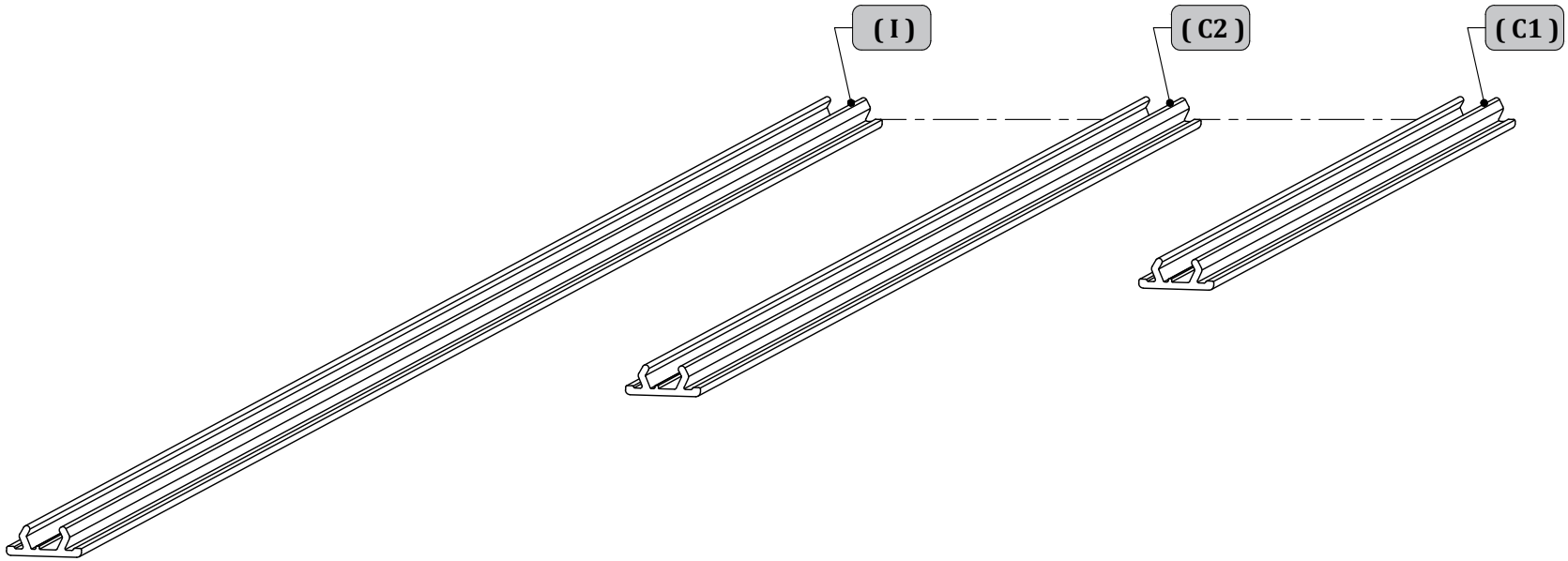
Tools and components required for this step



Rubber Mallet
(1X)



8331
(3X)



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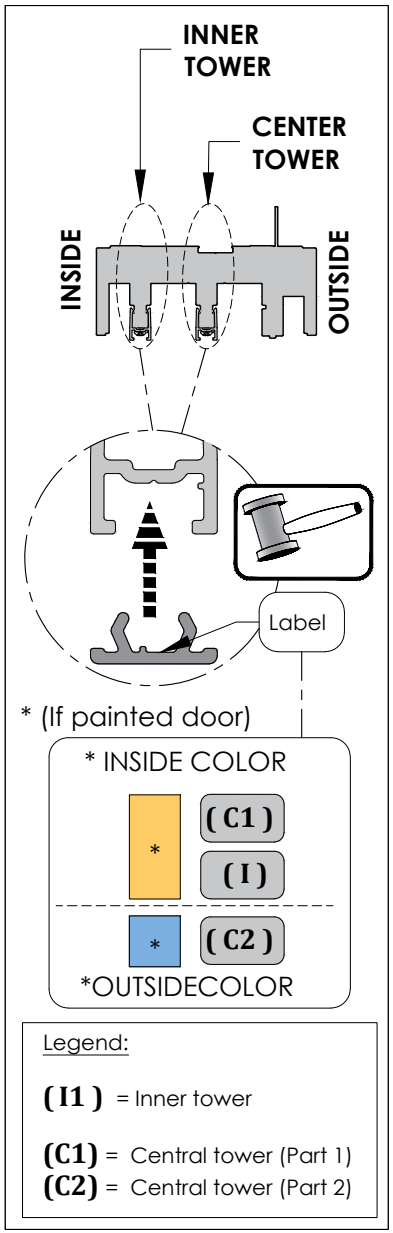
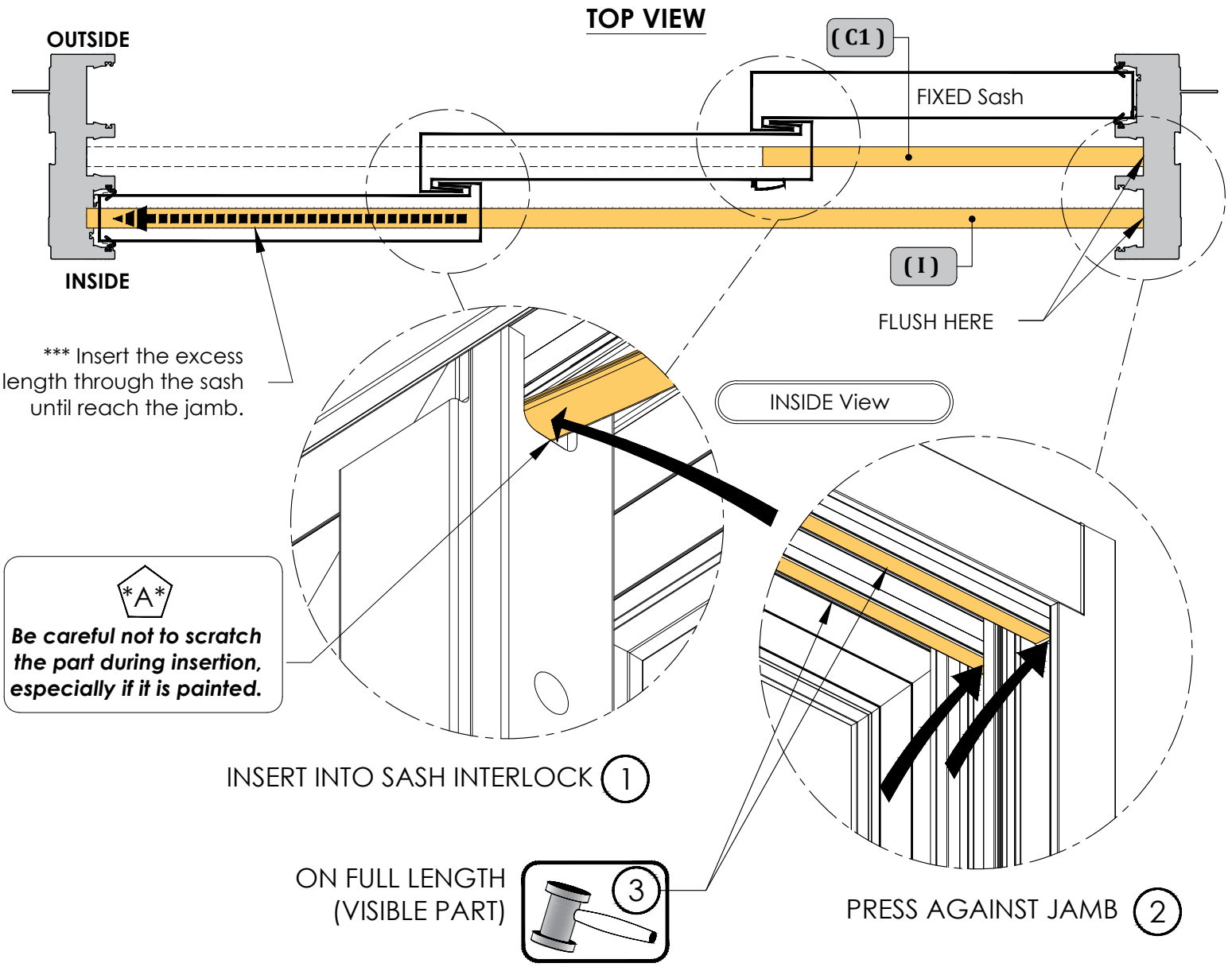
(Continued) Installation of Groove Cover #8331





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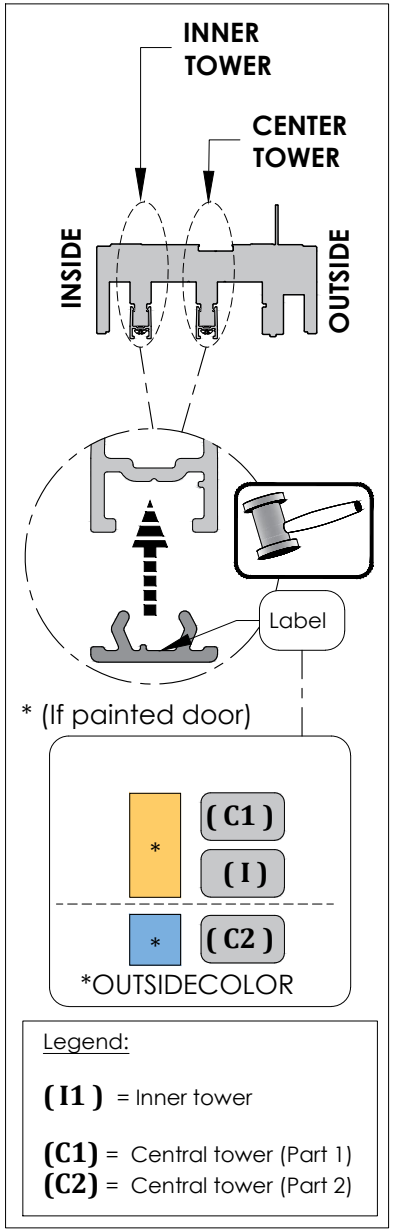

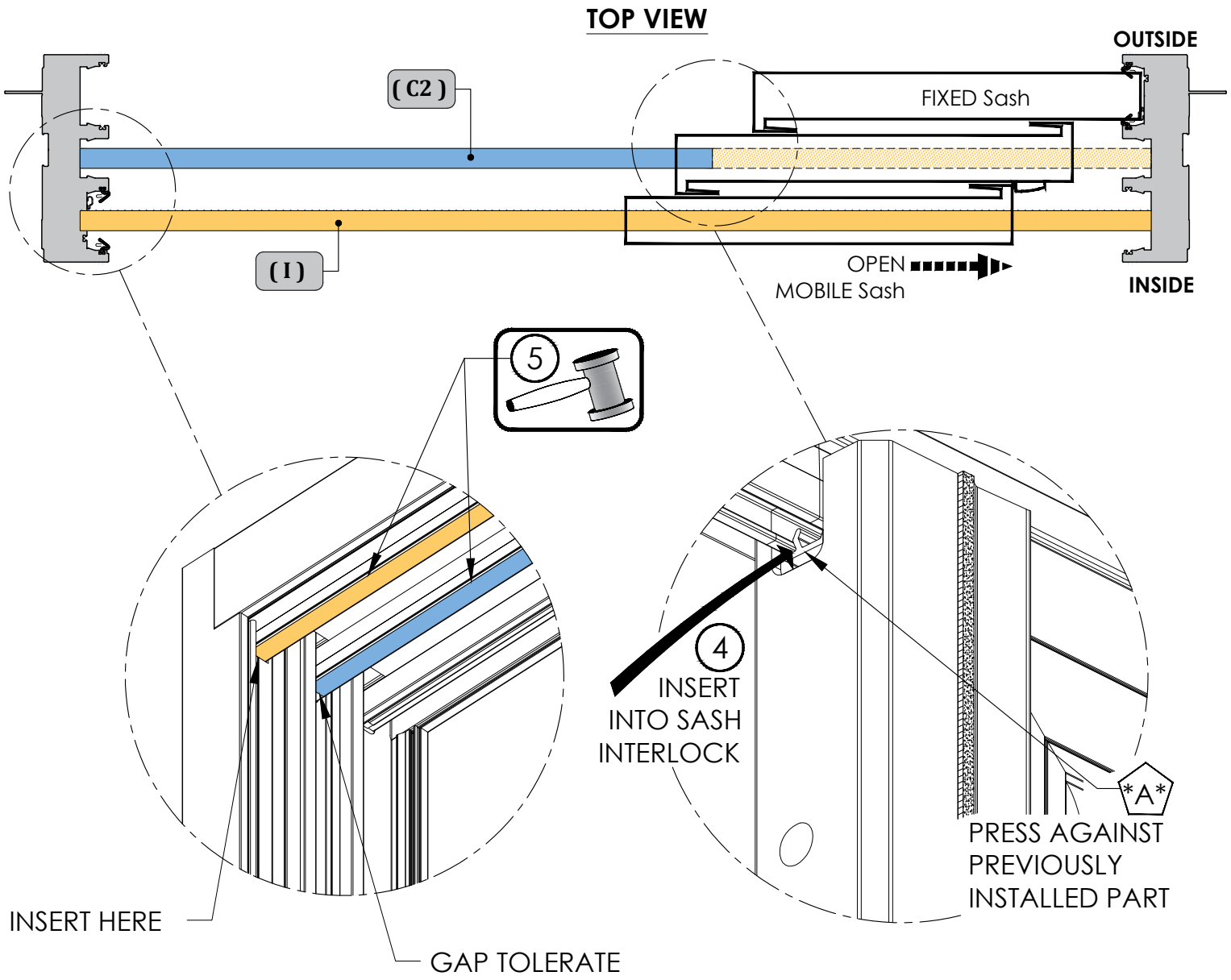

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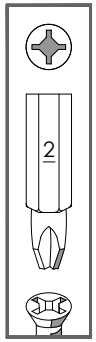
Installation of Jamb Cover (Interior) & Sash Stop

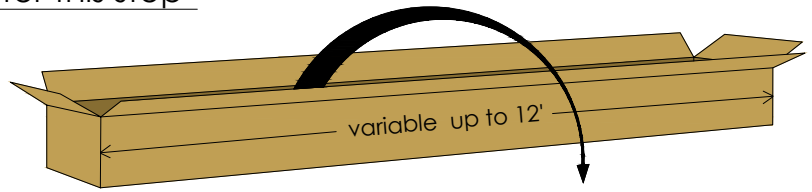
Tools and materials required for this step

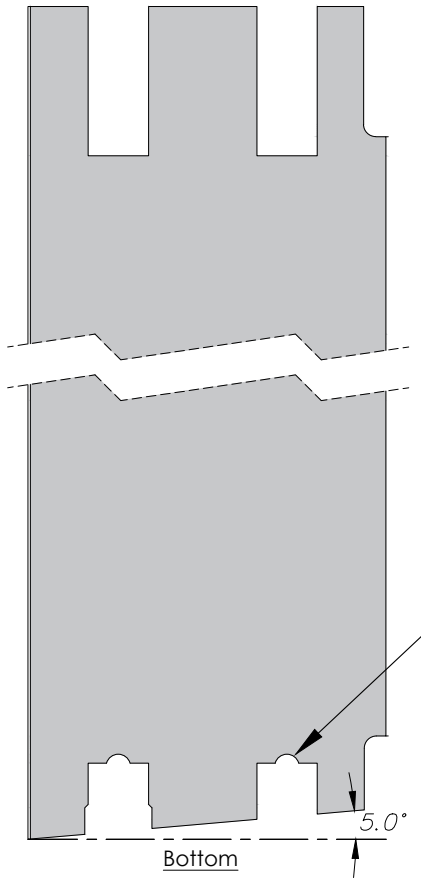
Rubber Mallet
(1X)

Impact
(1X)

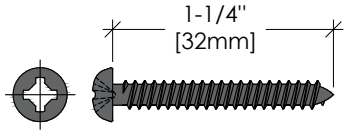


Screwdriver Bit
(1X)

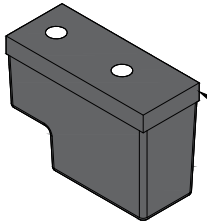




08380.00.SACn2.3V : HEAD Hardware bag



8941.VIS08
(2X)
black



8940
(1X)

**Assembled
with shim 8789**

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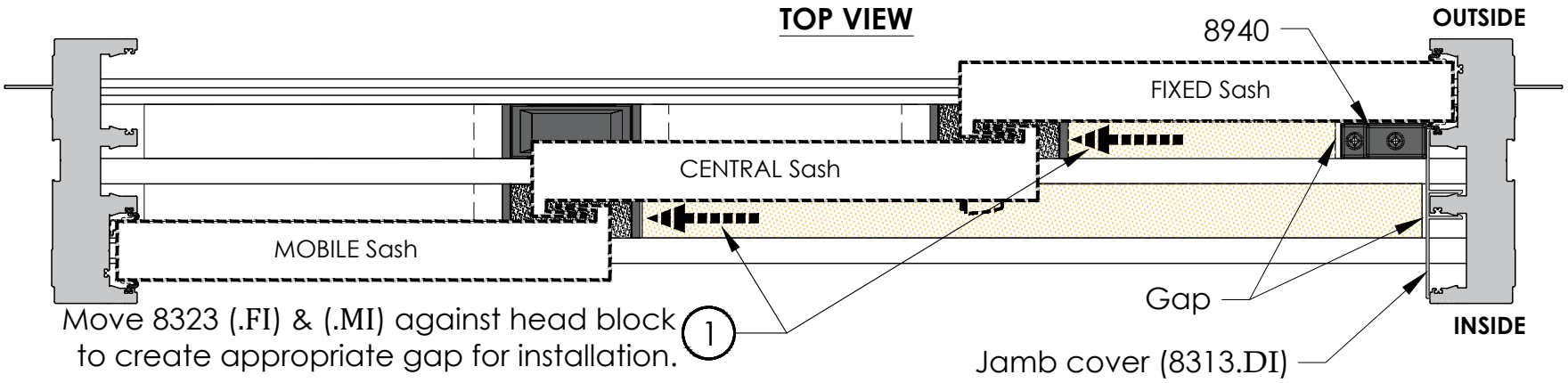
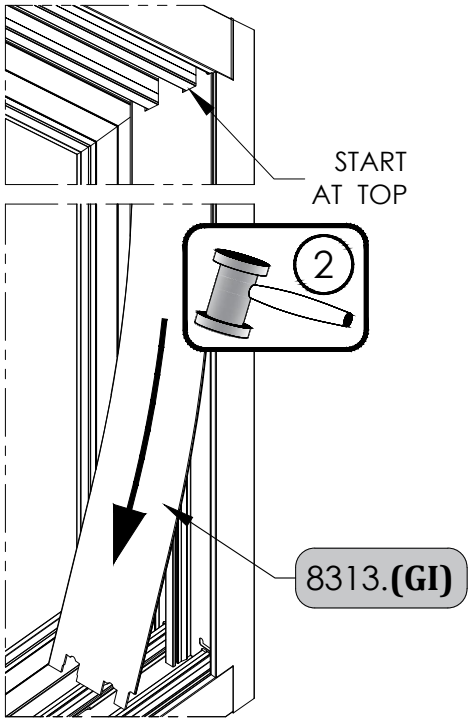
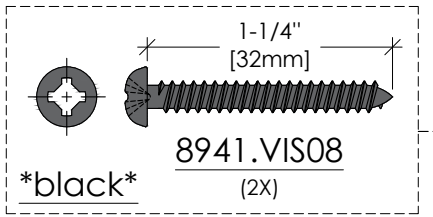
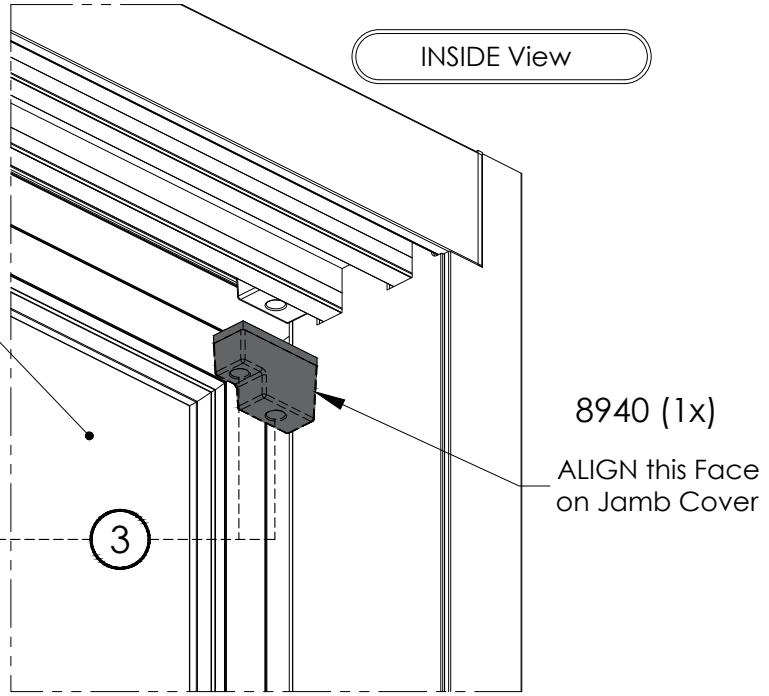
(Continued) Installation of Jamb Cover (Interior) & Sash Stop









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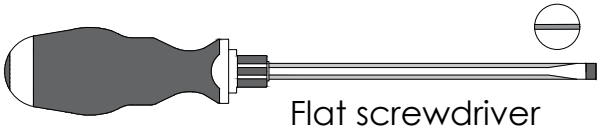
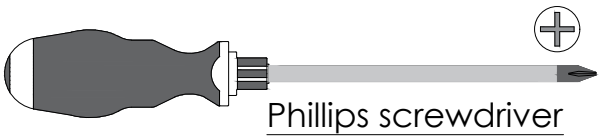
Installation of Handle, Lock & Keeper

Tools and hardware required for this step

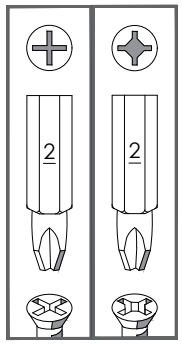


Flat screwdriver
(1X)

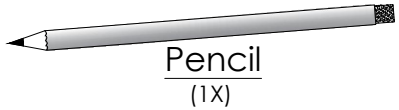


Phillips screwdriver
(1X)

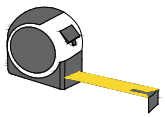
Impact
(1X)



Screwdriver Bits
(2X)



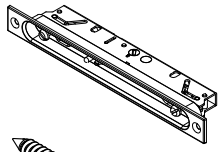
Pencil
(1X)



Measuring Tape
(1X)

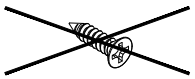
09250.SS.KT.ENS2P : SS Lock & Keeper bag

9250.SS.SER2P
(1X)



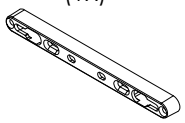
SS Screw
#10 x 2-1/2"
(2X)

* Not required *



9149.SS.VISME
(#10 x 3/4")
(2X)

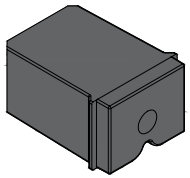
9250.SS.GACHE
(1X)



9250.SS.VISGA
(#10 x 1-3/4")
(4X)

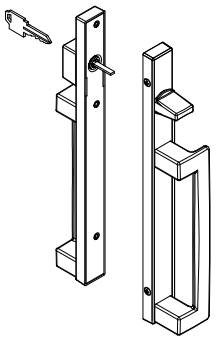
08375.58.SACn3.3V :

FINISHED Hardware bag



9150.CAPUC
(2X)

Handle
(model may differ of illustration)



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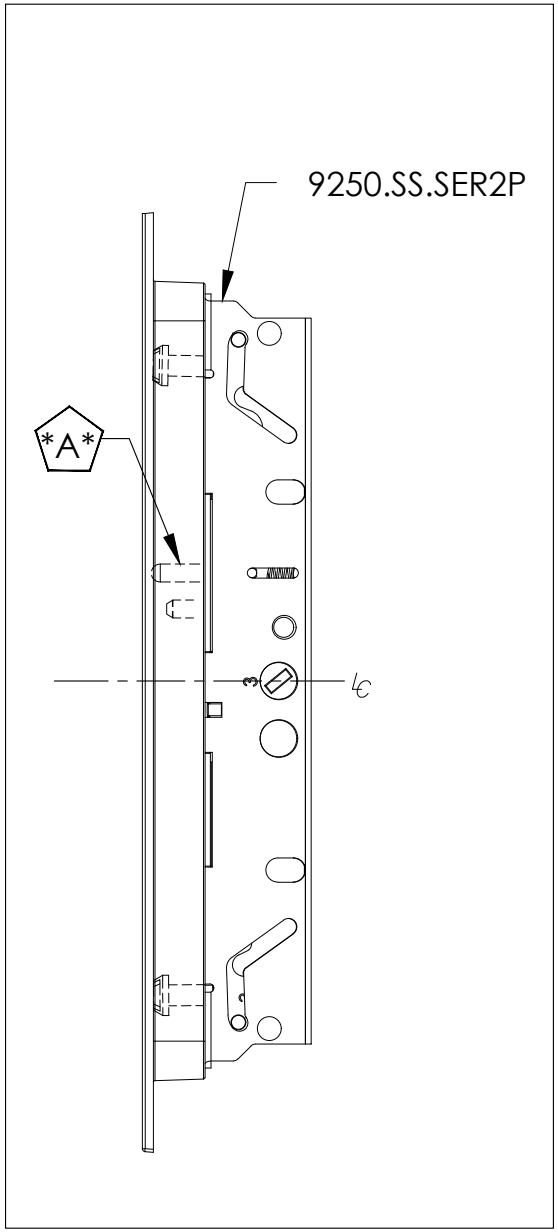
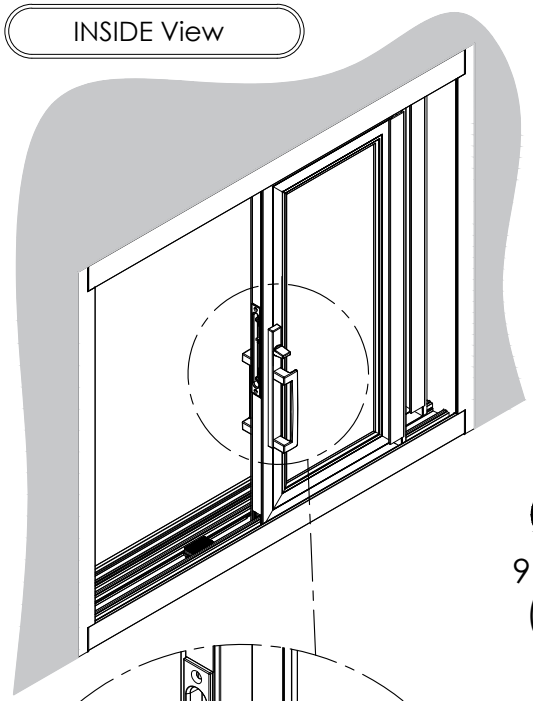
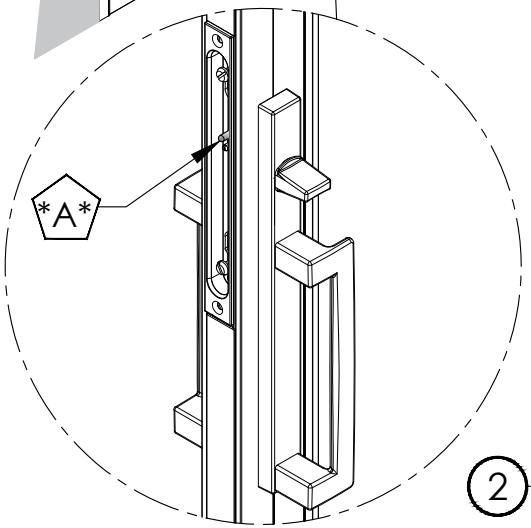


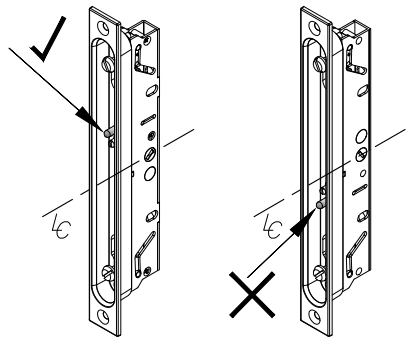
INSIDE View

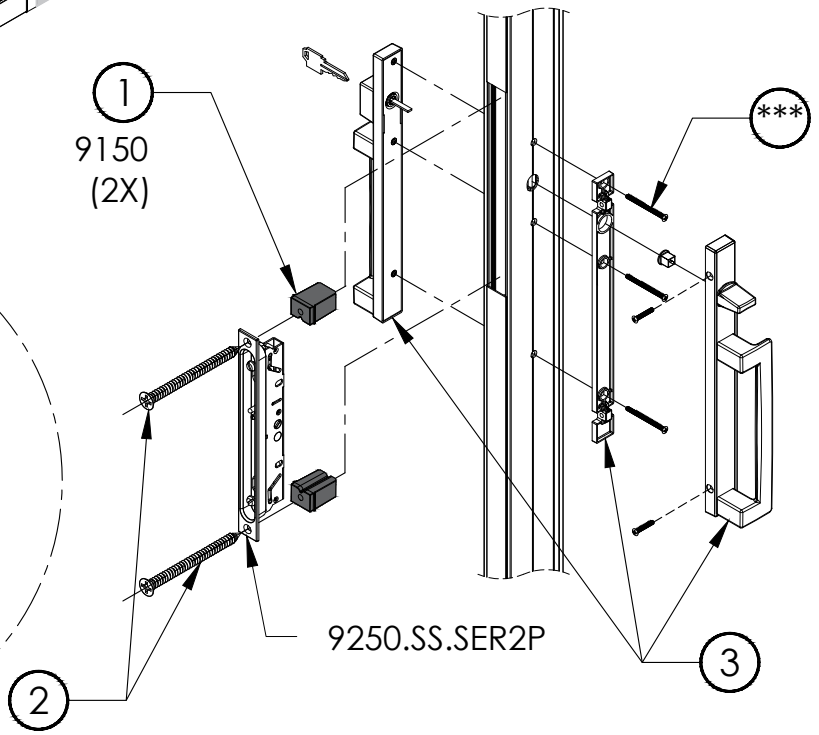




A

IMPORTANT:
Anti-slam must be pointing upwards.





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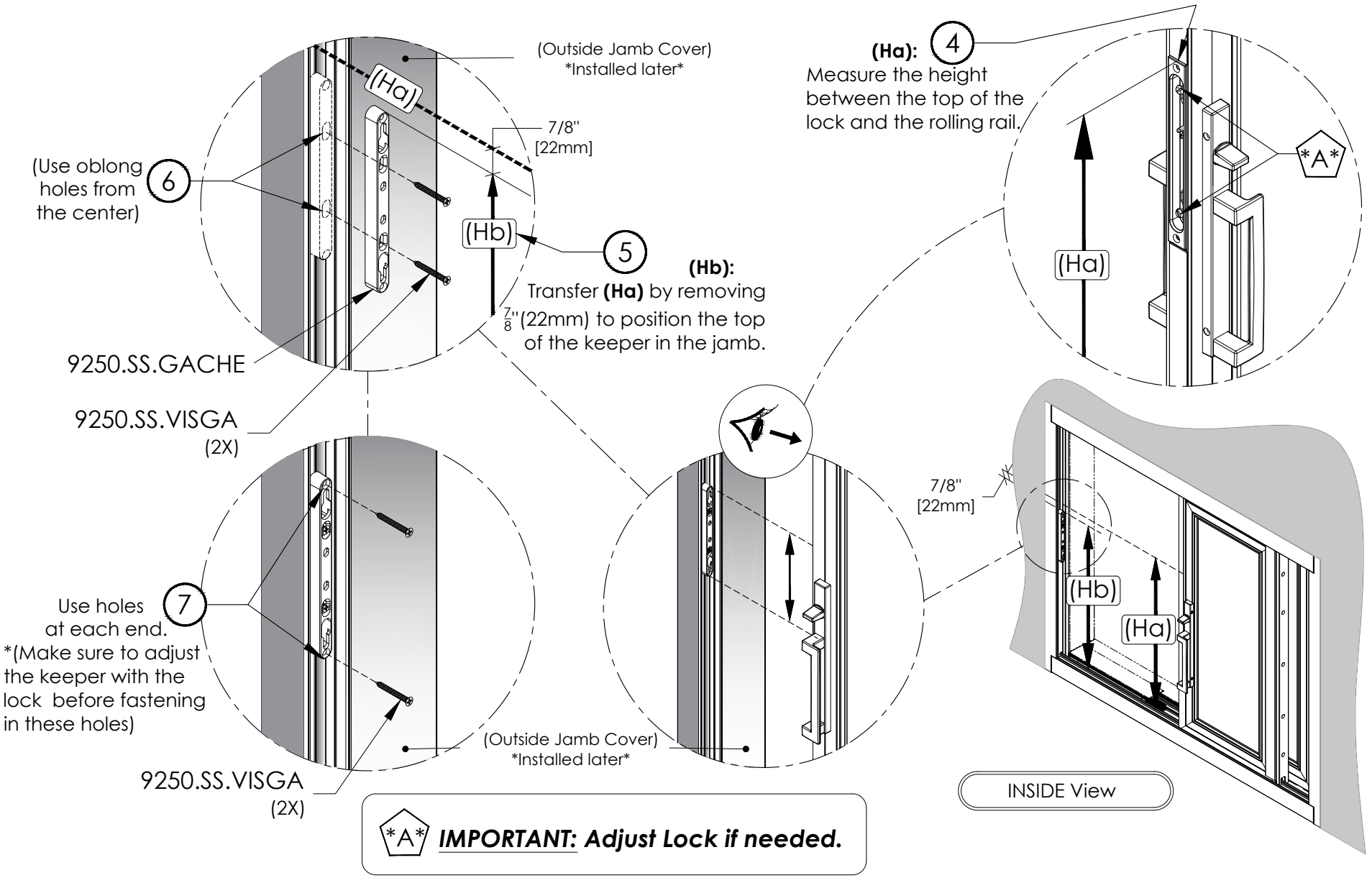
(Continued) Installation of Handle, Lock & Keeper



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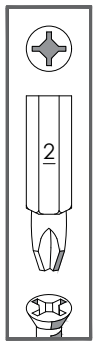
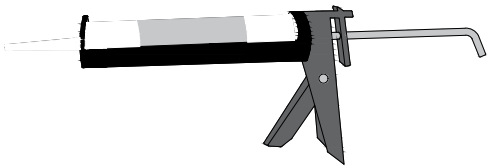
Installation of Drip Cap

Tools and components required for this step

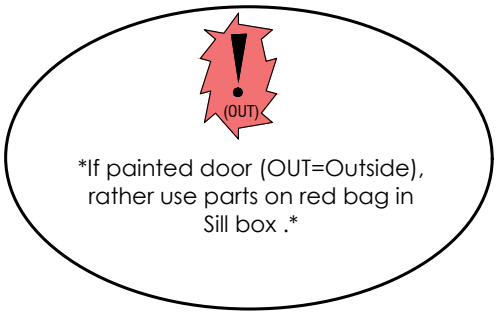


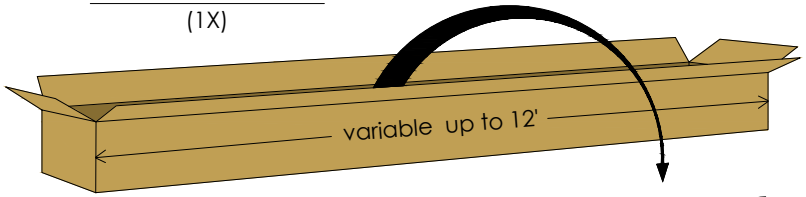
Screwdriver Bit
(1X)

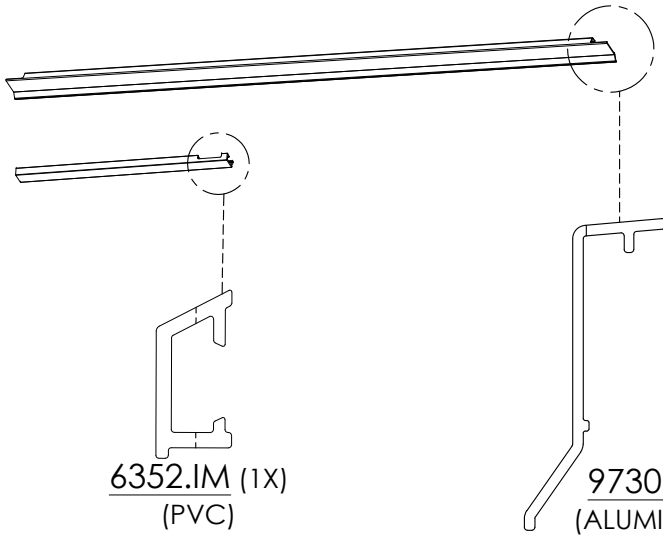
Impact
(1X)



Compatible Sealant
(min.1X)



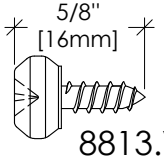




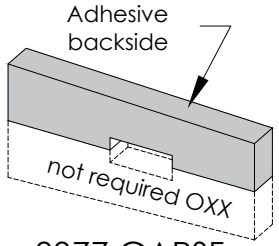
6352.IM (1X)
(PVC)

9730 (1X)
(ALUMINUM)

08375.58.SACn3.3V : FINISHED Hardware bag

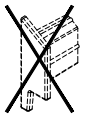


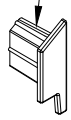
8813.VIS10
(4X)



8377.GAPSF
(1X)

8395.58.CAPVS.G
(1X) not required OXX





8395.58.CAPVS.D
(1X)

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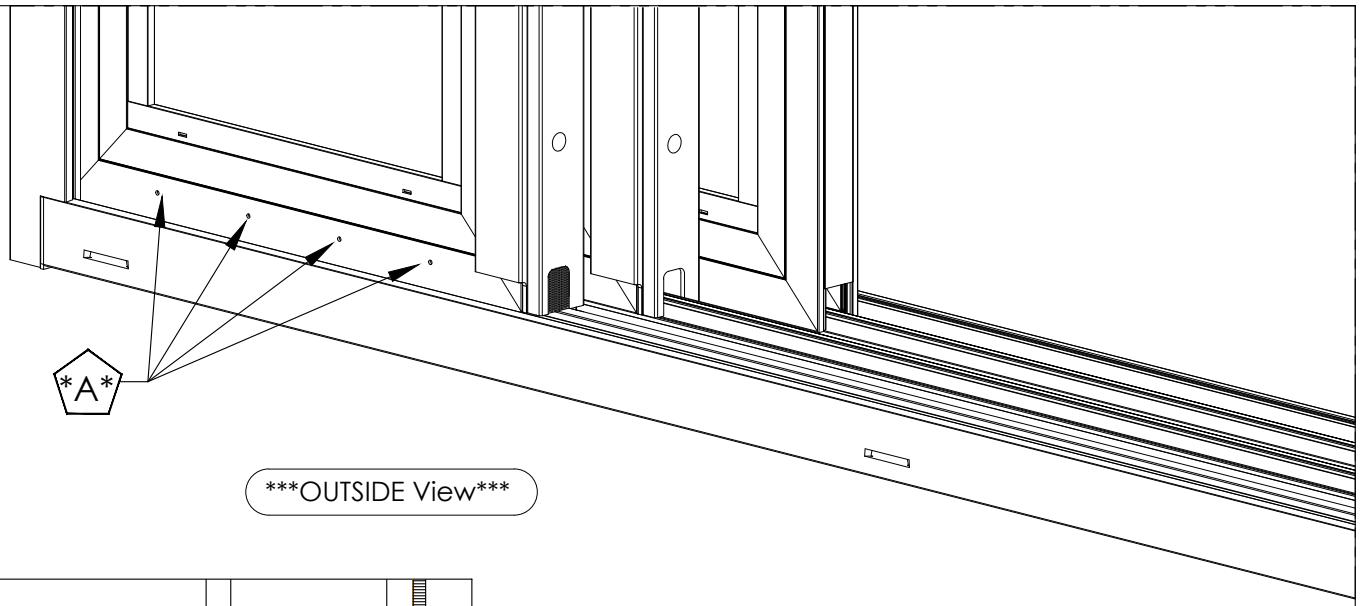
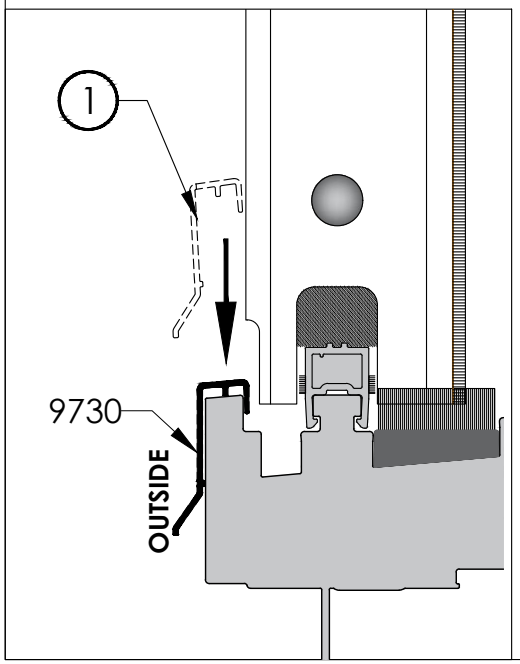
(Continued) Installation of Drip Cap

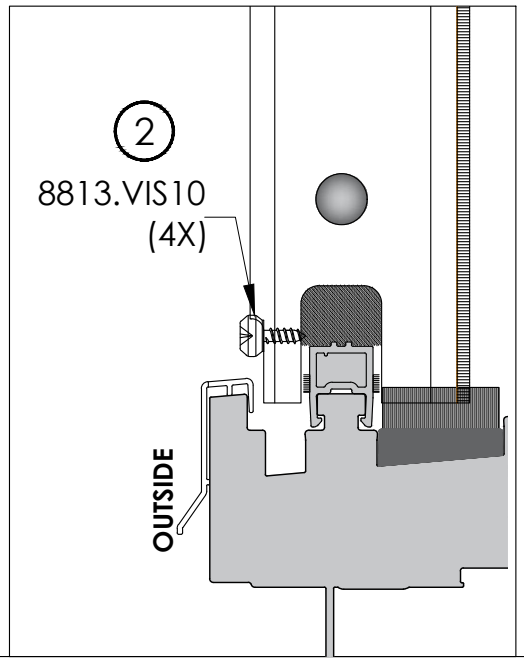
A

IMPORTANT:
Install a screw in each hole after installing the 9730.



OUTSIDE View





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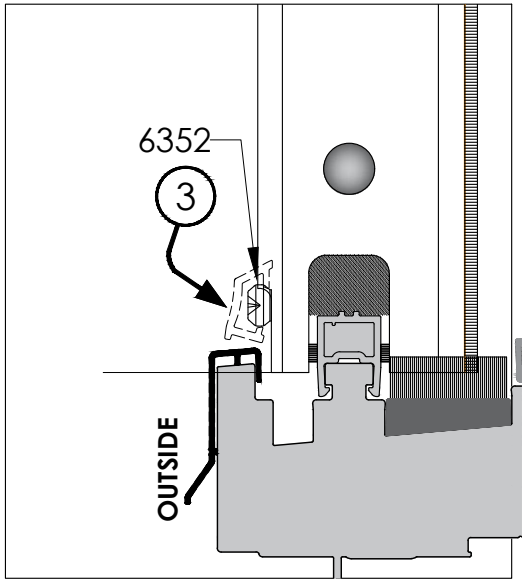
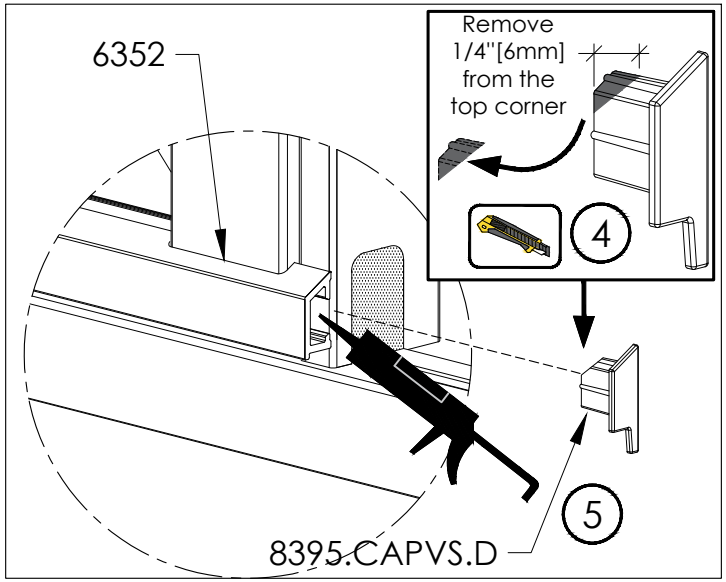
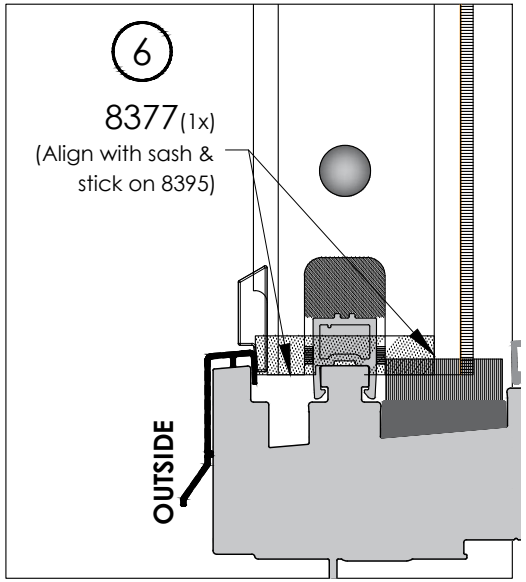
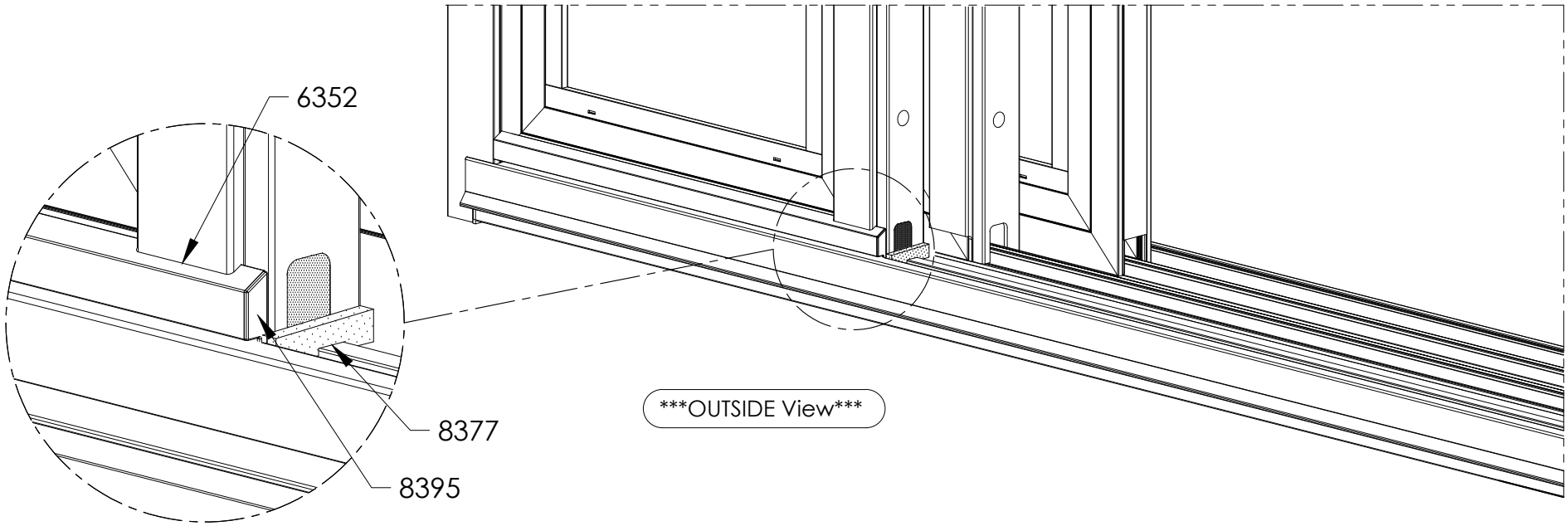
(Continued) Installation of Drip Cap









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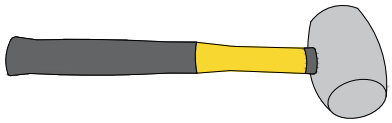
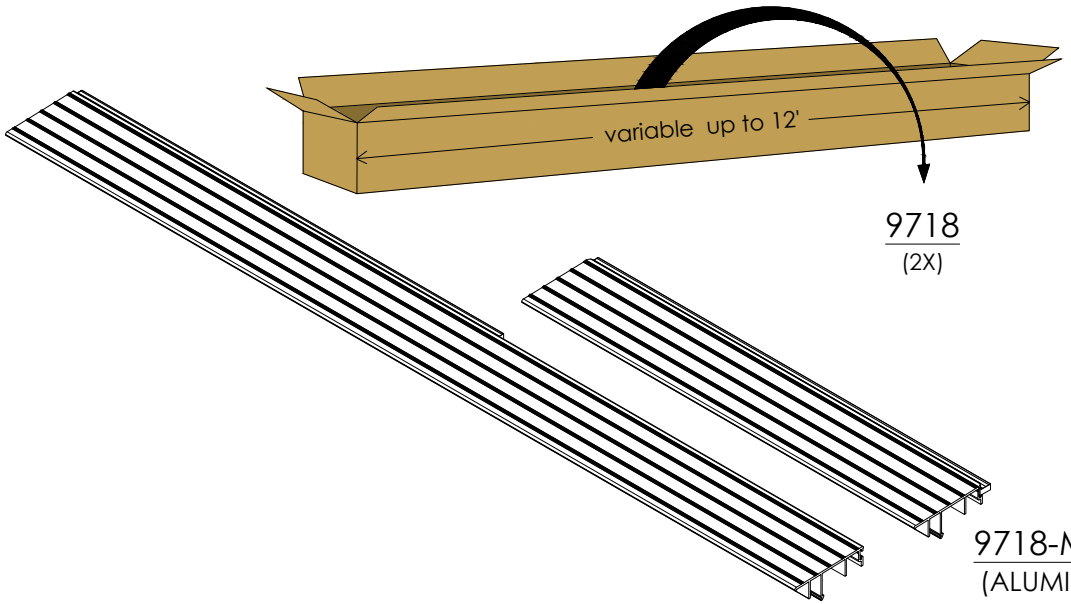
*Tools and components required for this step **



Rubber Mallet
(1X)



9718
(2X)

9718-M (1X)
(ALUMINUM)

9718-F (1X)
(ALUMINUM)

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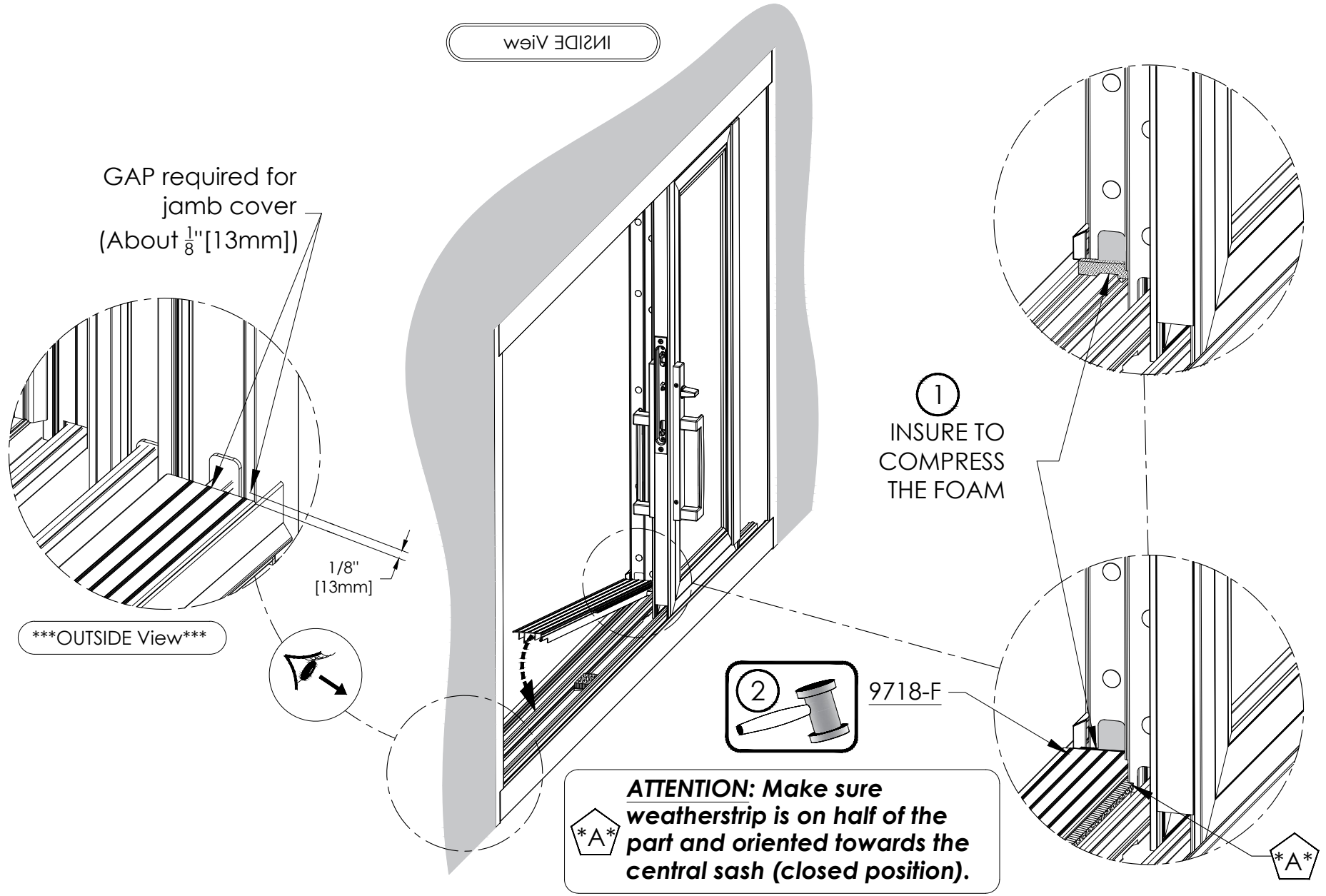
(Continued) Installation of Sills Covers



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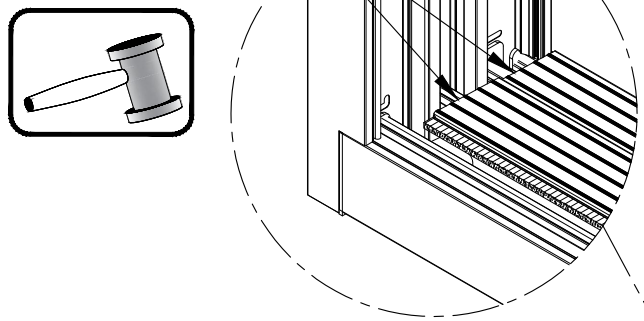
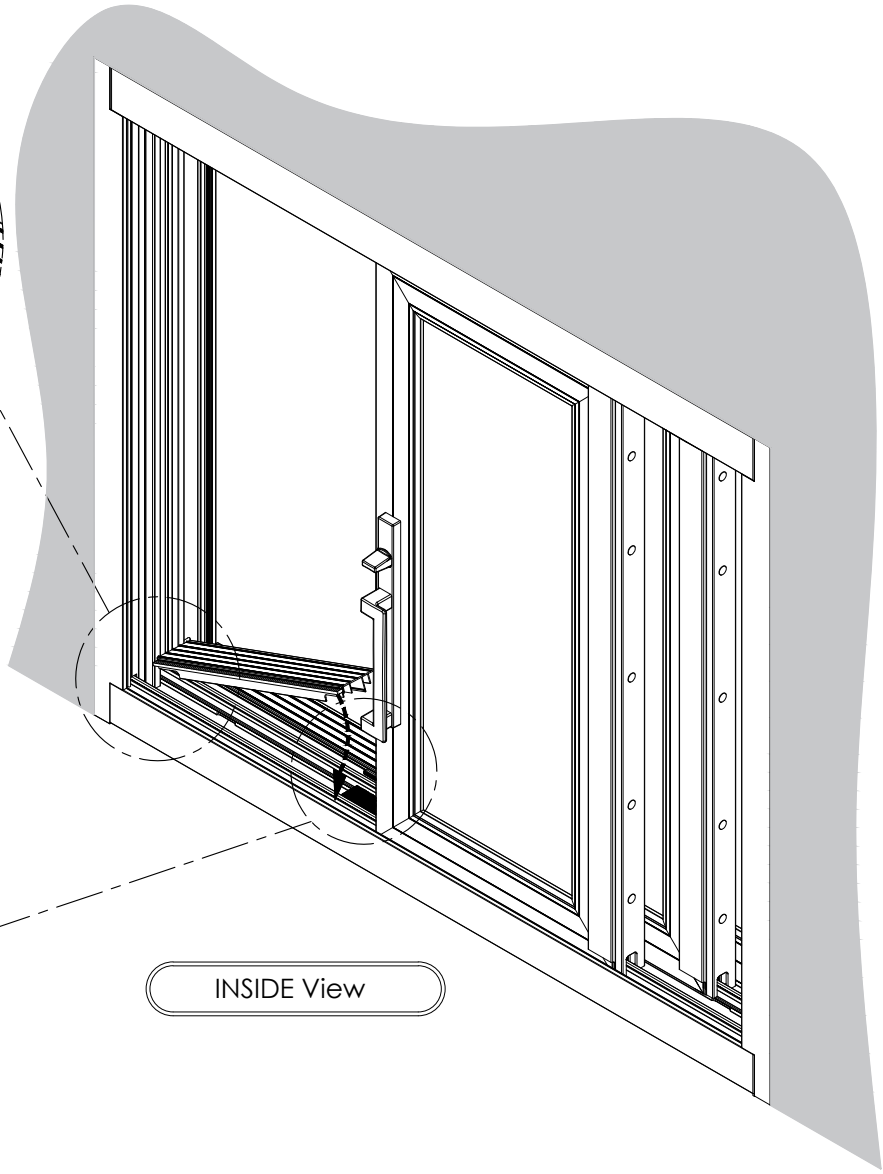
(Continued) Installation of Sills Covers

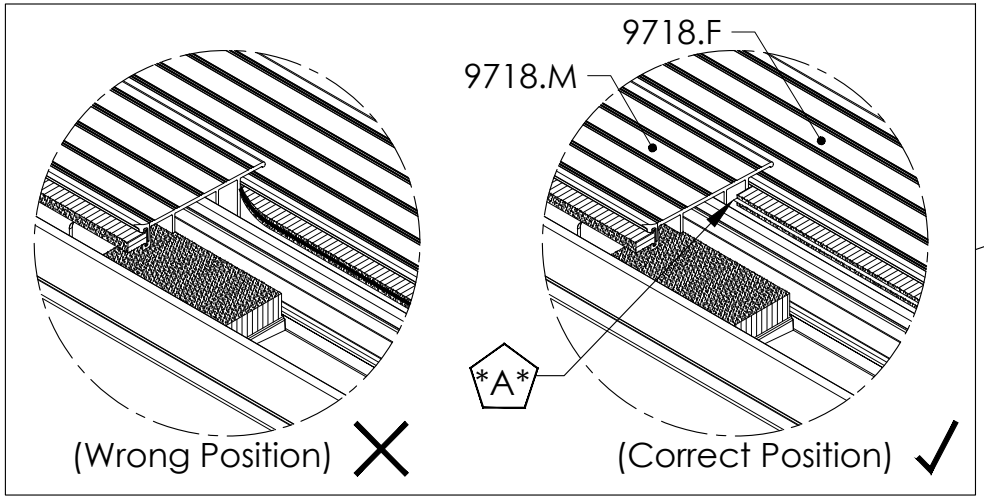
9718-M (3)
(Align with previous part)





INSIDE View

ATTENTION:
Verify that the fabric fin of the long part (9718-F) is not stuck behind the small part (9718-M).



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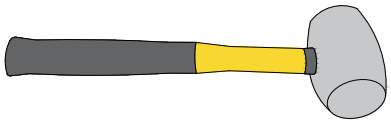
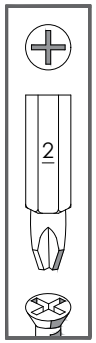
*Tools and components required for this step **

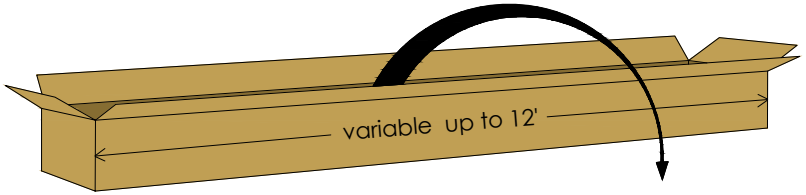


Rubber Mallet
(1X)

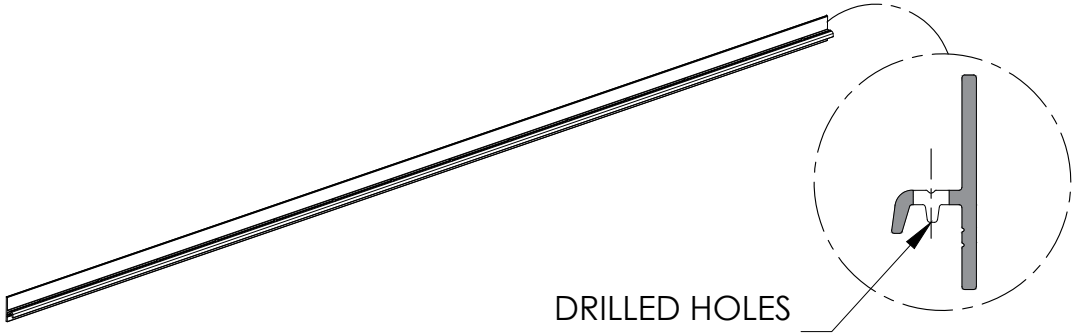
Impact
(1X)



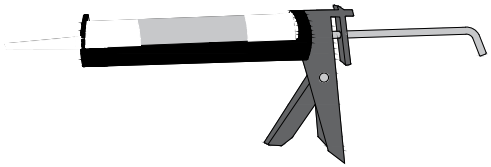
Screwdriver Bits
(1X)



8390
(ALUMINUM)
(1X)

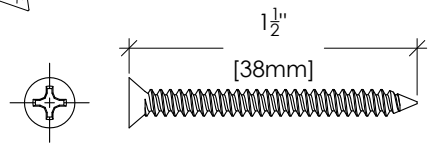


DRILLED HOLES
(SEE P10)



Compatible Sealant
(min.1X)

08385.54.EXTRA.3V: EXTRA Bag - IMPACT



9752.SS.VIS06
(13X)

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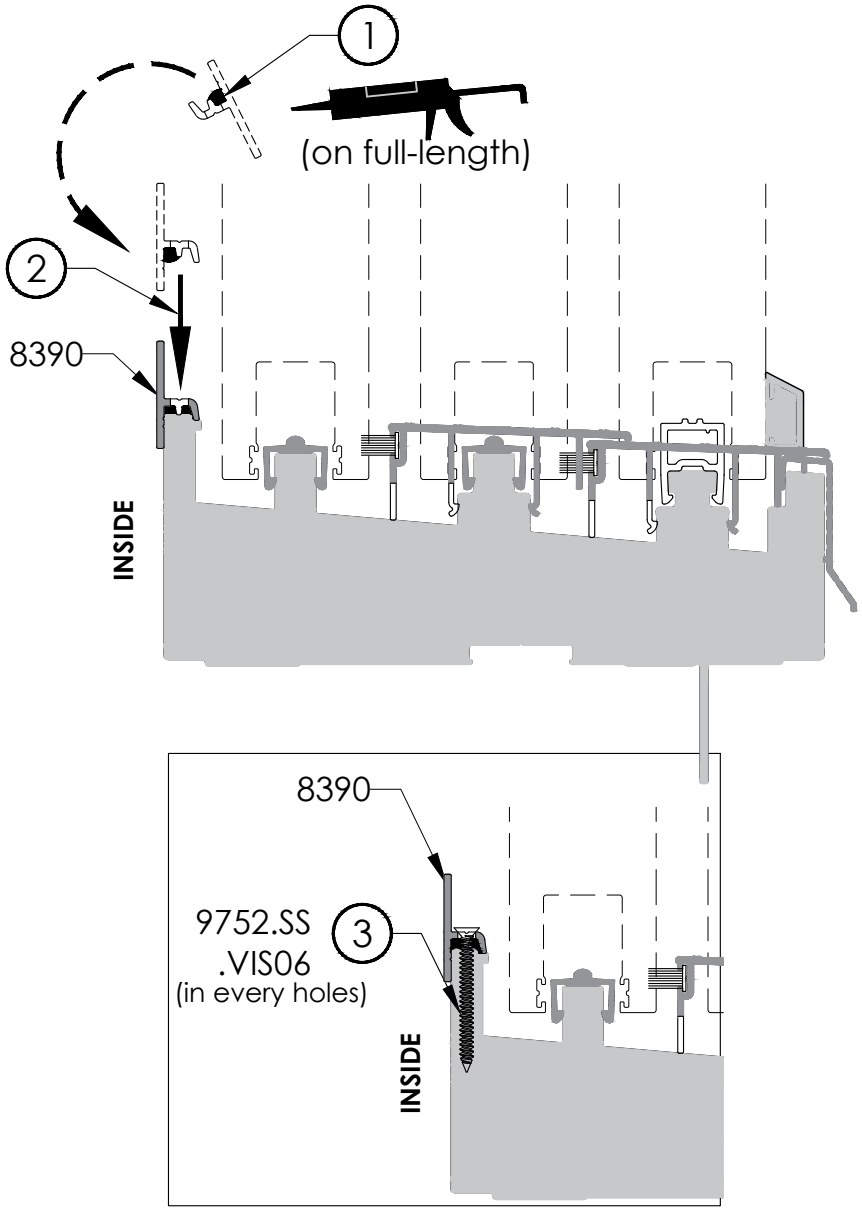
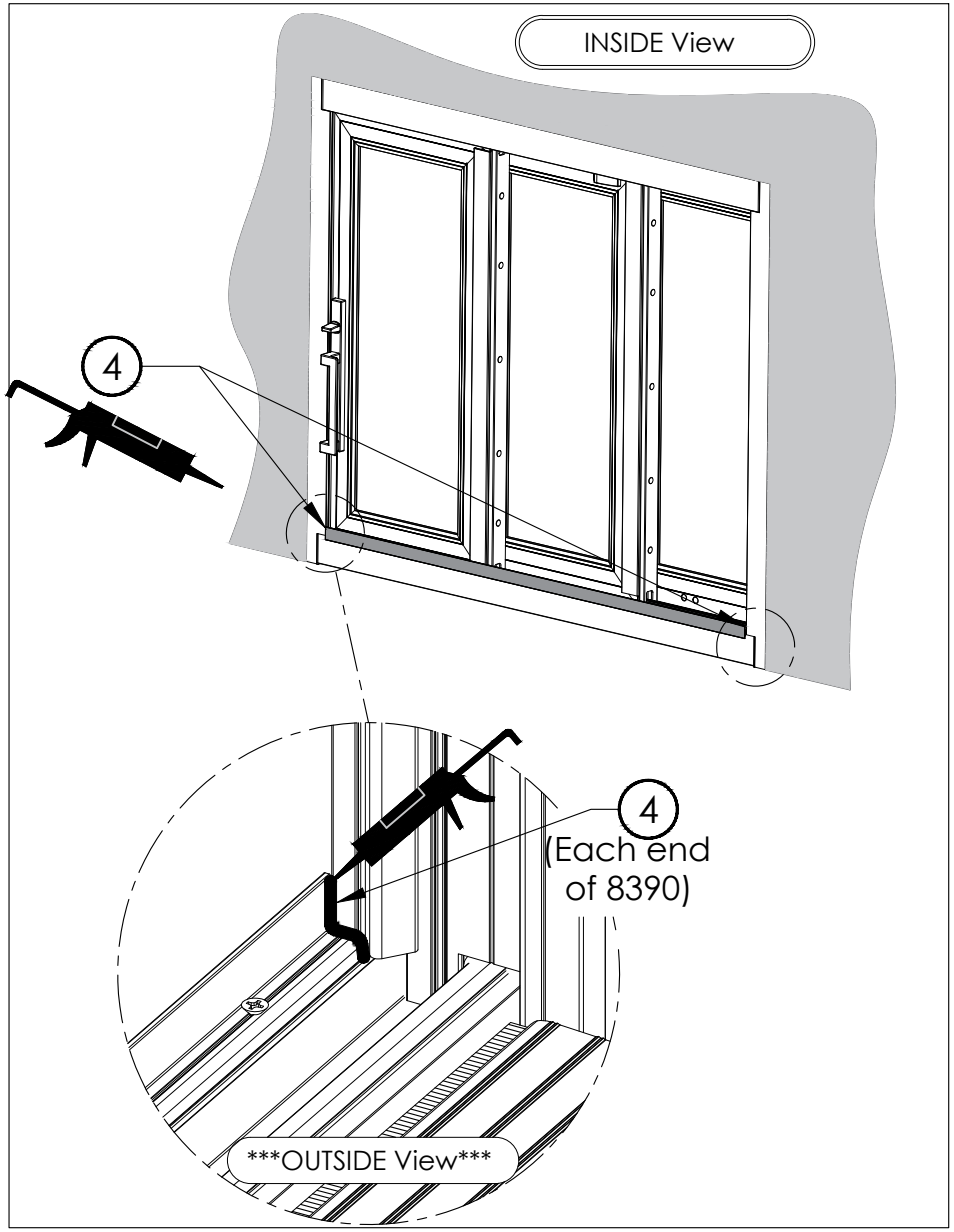
(Continued)Installation of Water bar





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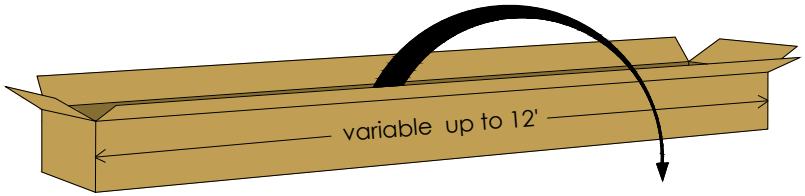
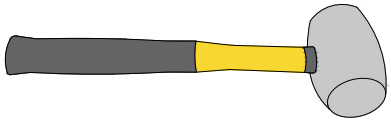
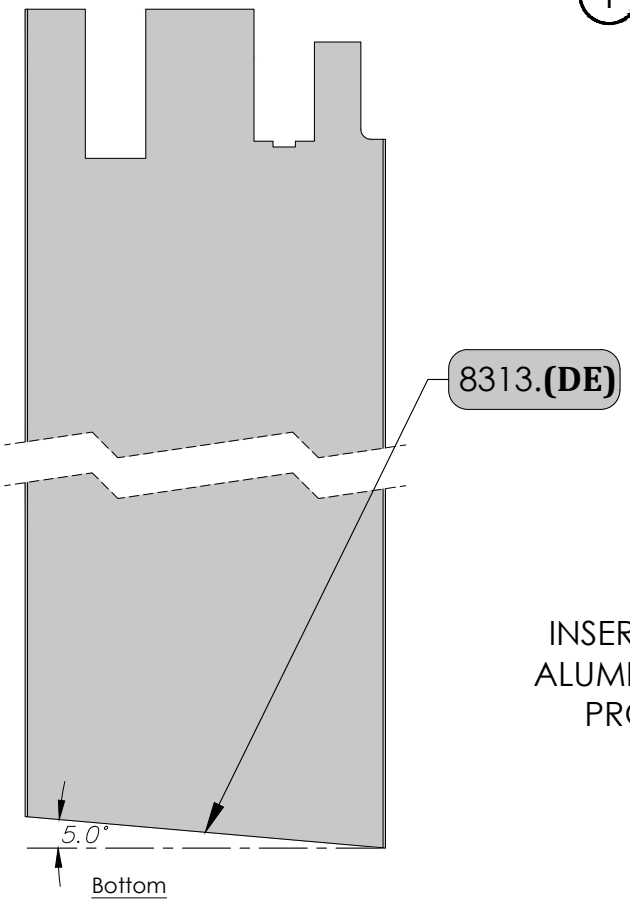
Installation of Jamb Cover (Outside)



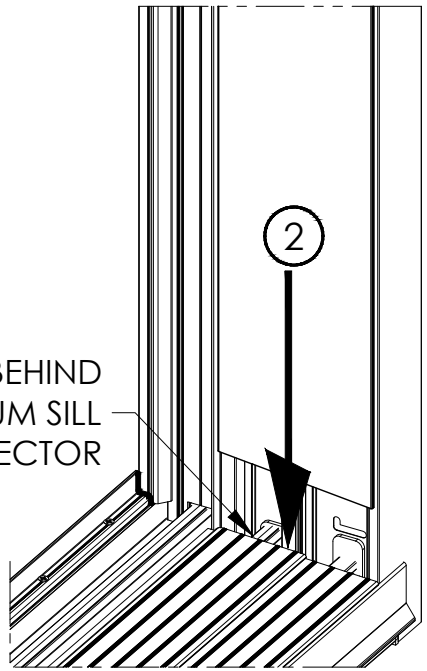
1

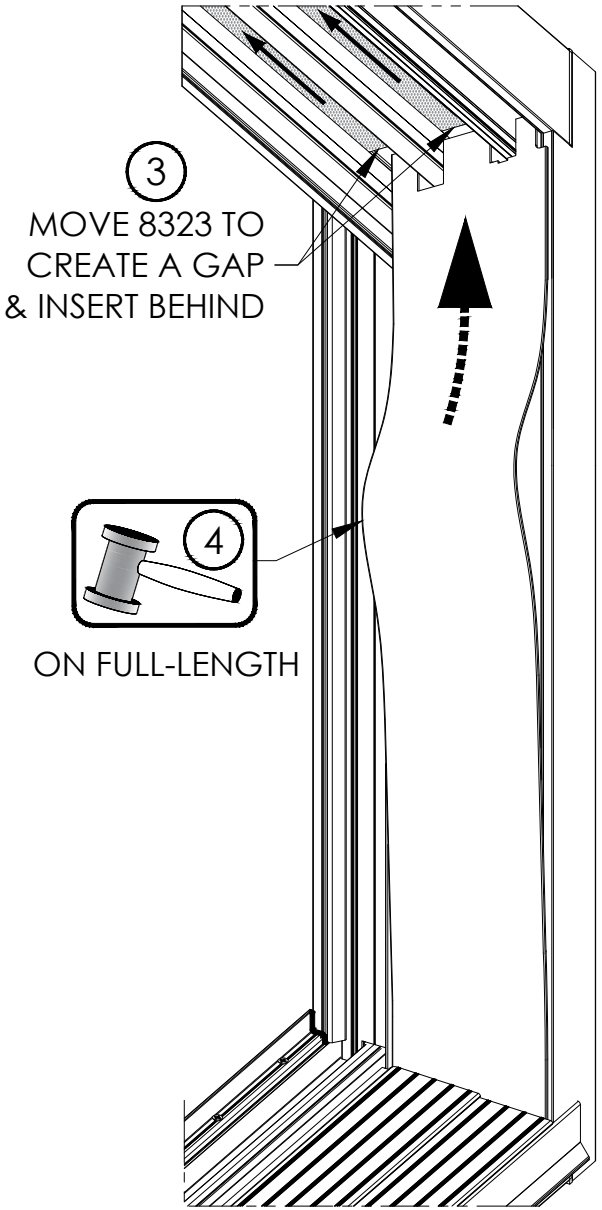


Rubber Mallet
(1X)



OUTSIDE View





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OPTION

(IF A RETRACTABLE SCREEN IS PROVIDED WITH THE DOOR, FOLLOW NEXT PAGES FOR OPTIONAL PREPARATION BEFORE SCREEN INSTALLATION)

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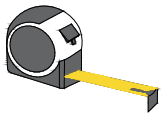
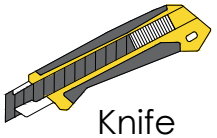
***IMPORTANT*: ONLY NECESSARY IF DOOR IS WITH SCREEN.**

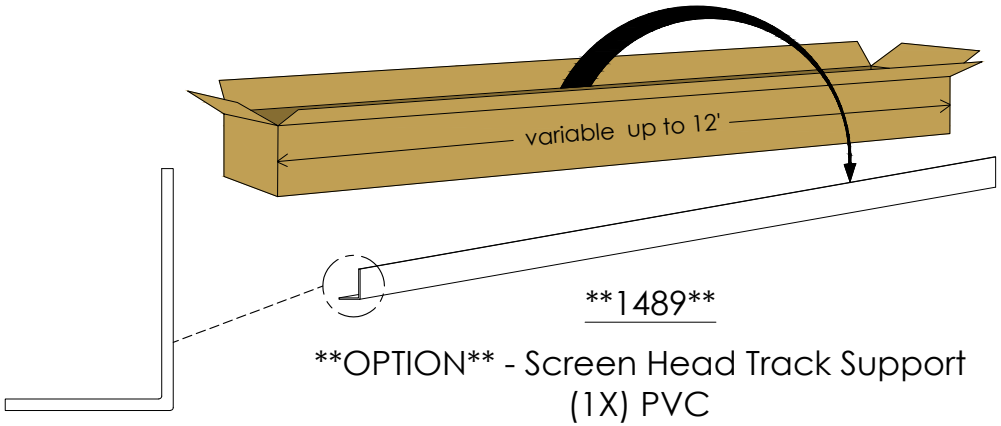


Measuring Tape
(1X)



Knife
(1X)

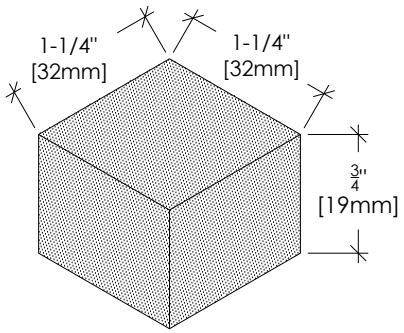
Pencil
(1X)



1489

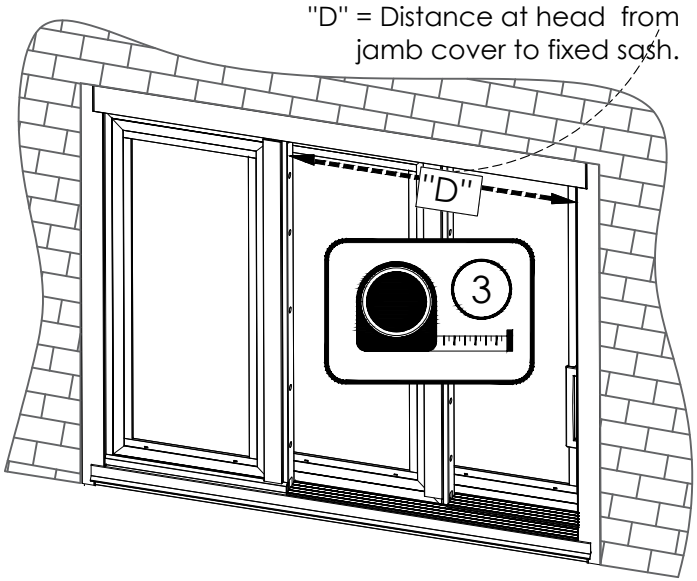
OPTION - Screen Head Track Support
(1X) PVC

09750.00.SACRS.3V: SCREEN Hardware Bag



9873
(3X)

OUTSIDE View



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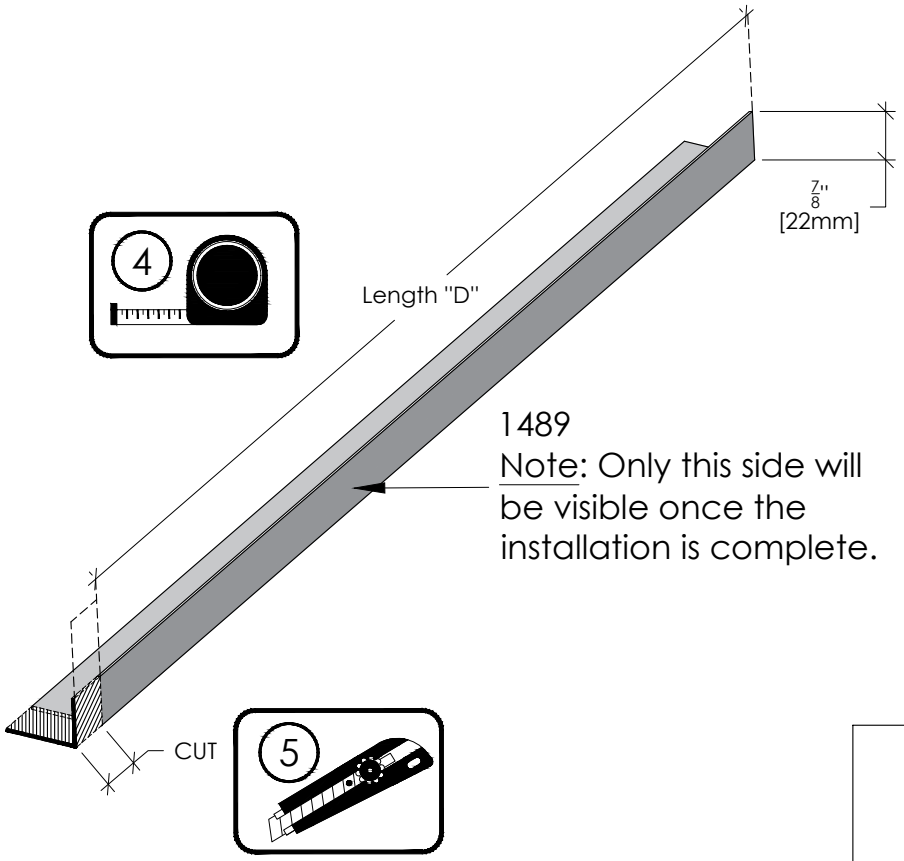
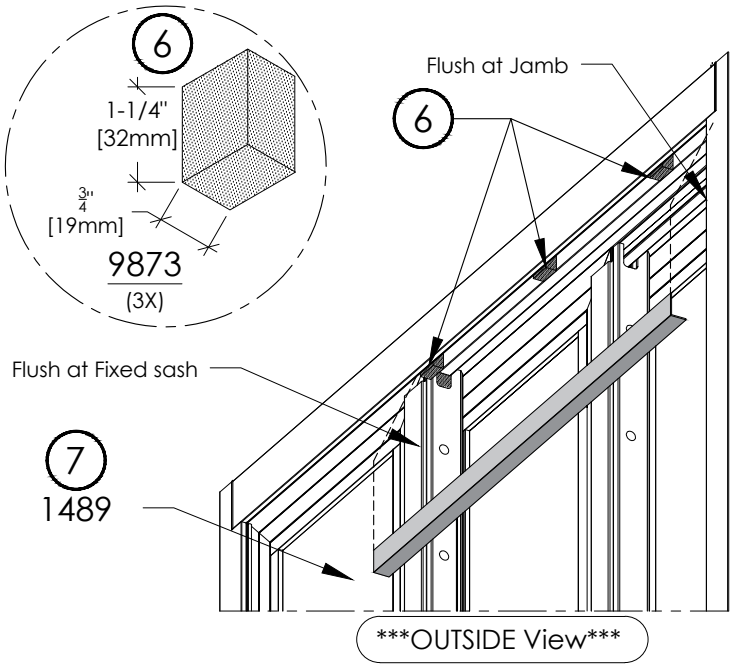
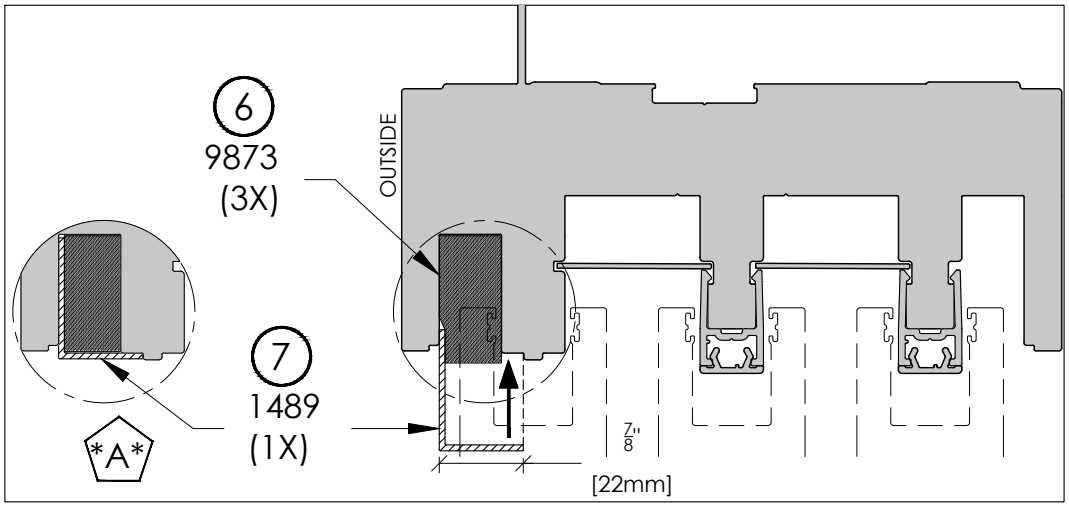
OPTION - Preparation for RETRACTABLE SCREEN Installation





A

Be sure to continue installing the screen, as the 1489 could fall if not held by the screen head track
(See supplement 9950.00.GI.8300.3V.RS)



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