

Mullion Reinforcement Remediation for StyleView Single Hung Windows (Twin & Triple)



SYSTEM DESCRIPTION

- Variations: **StyleView Single Hung (Twin & Triple)**
- Available in White, Tan, Stone

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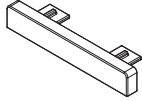
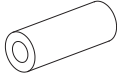


INSTALLATION

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INSTALLATION NOTES

1. Store in a dry, out of the way area. If rain exposure, condensation or any water contact is likely, then all packaging material should be removed. Wet packaging materials will discolor and may stain vinyl finishes.
2. All materials should be checked for quantity and quality upon receipt, YKK AP must be notified immediately of any discrepancies in shipment.
3. Check to make sure that you have the required shims, sealants, supplies, and tools necessary for the installation (not supplied by YKK AP).
4. If any questions arise concerning YKK AP products or their installation, contact YKK AP for clarification before proceeding.
5. Concrete, mortar, plaster, muriatic acid and other alkaline and acid based construction and cleaning materials may be very harmful to window hardware and should be removed with water and mild soap immediately or permanent damage or staining of the finishes will occur. A spot test is recommended before any cleaning agent is used, and abrasive type cleaners must never be used.
6. Windows are never to be used as ladders, step stools, scaffolds, scaffold supports, or as pass through openings for materials.
7. Windows should never be painted. Doing so will void the window warranty.
8. Buildings constructed prior to 1978 may contain lead paint which could be disturbed during replacement. For more information on proper management of lead paint, visit www.epa.gov/lead
9. Aluminum backer plate may have sharp edges and or shards on the aluminum edges. Take care when handling.

PARTS LIST

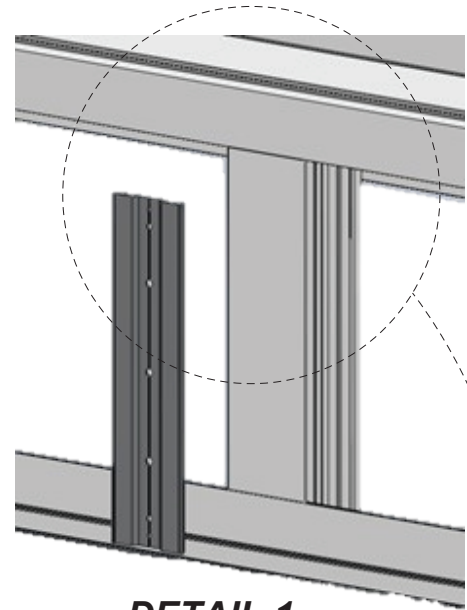
 <p>Backer Plate</p>	<p>E9-5557</p>	 <p>1/4\"-20 x 2-1/4\" HWHTCS Zinc Plated Steel</p>	<p>HF- 2536-W1</p>
 <p>No. 3 Drill Bit</p>	<p>-</p>	 <p>#10 x 1-1/4\" PHSMS Type AB Zinc Plated Steel</p>	<p>PC-1220</p>
 <p>17/32\" Drill Bit</p>	<p>-</p>	 <p>End Cap</p>	<p>E3-5088</p>
 <p>Tube Spacer</p>	<p>E1-5170</p>	 <p>Face Cover</p>	<p>PE5-7056</p>
 <p>RTV Sealant</p>	<p>E4-5010</p>		

PREPARATION

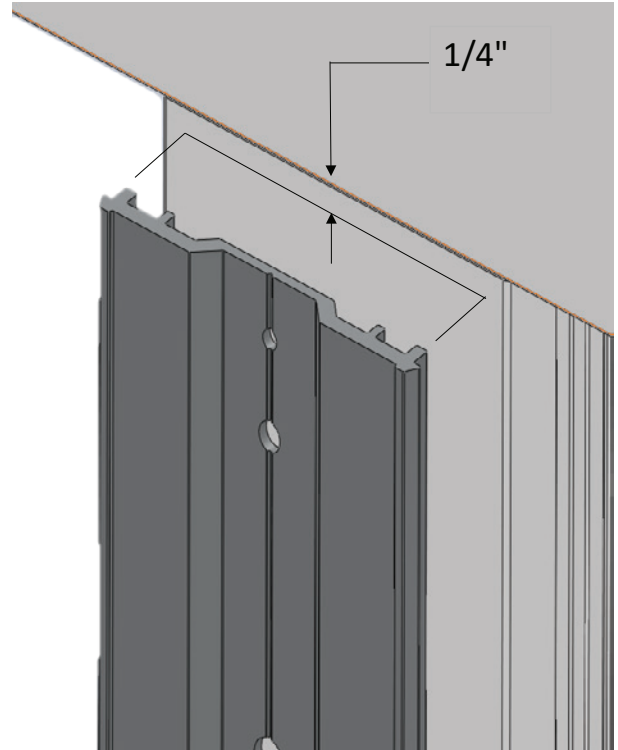
STEP 1: Apply Template

-While looking at the window frame, from the interior of the house, place the backer plate (E9-5557) on the center vertical mullion interior face, and center side-to-side as shown in **Detail 1**. Make sure it is straight up & down.

-Place the top end cut of the backer plate 1/4" down from the head and mullion face intersecting line as shown in **Detail 2**. Hold in place using masking or painters tape at the top and bottom. This will place the bottom edge of the backer plate 1/2" below the bottom cut line of the vertical mullion.



DETAIL 1



DETAIL 2

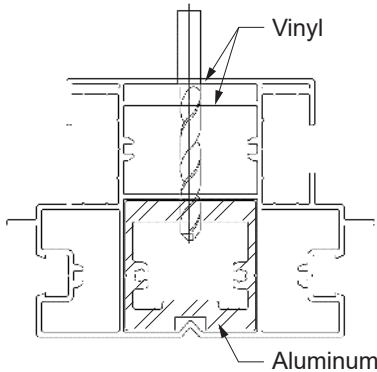
INSTALLATION

STEP 2: Drill Into Mullion

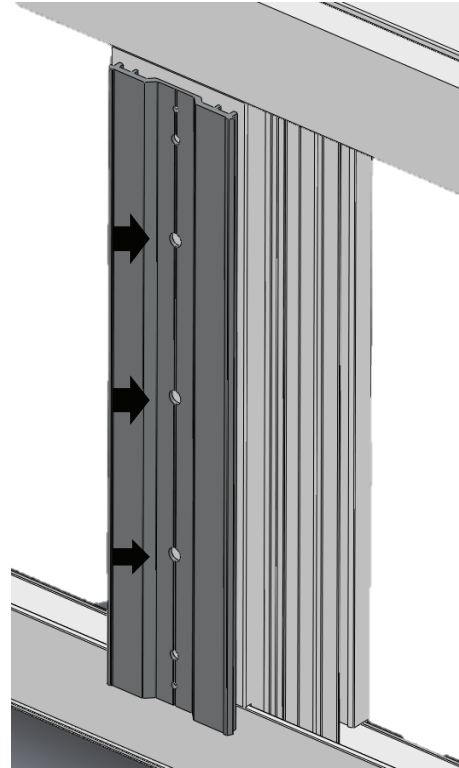
-Using the 3 (Centered) holes in the backer plate as a template guide and provided #3 drill bit, drill 2" into the mullion face. See **Detail 3 & 5**. The drill bit will need to puncture 2 walls of PVC and through a third wall, which is aluminum.

See **Detail 4**.

Tip: Measure 2" from the end of the drill bit and wrap a piece of tape around the drill bit. This will assist you in determining how deep the drill bit is during this step.



DETAIL 4

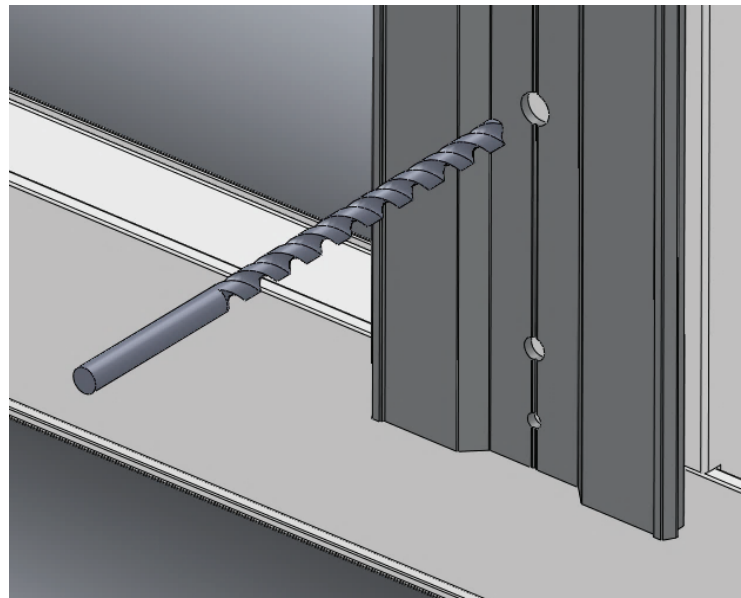


DETAIL 3

Note: Ensure as much as possible, the drill is level and perpendicular to the window frame.

STEP 3: Remove Backer Plate

-After all three holes are drilled into the mullion, remove the backer plate, and set it aside for later usage.



DETAIL 5

INSTALLATION

STEP 4: Enlarge Access Holes

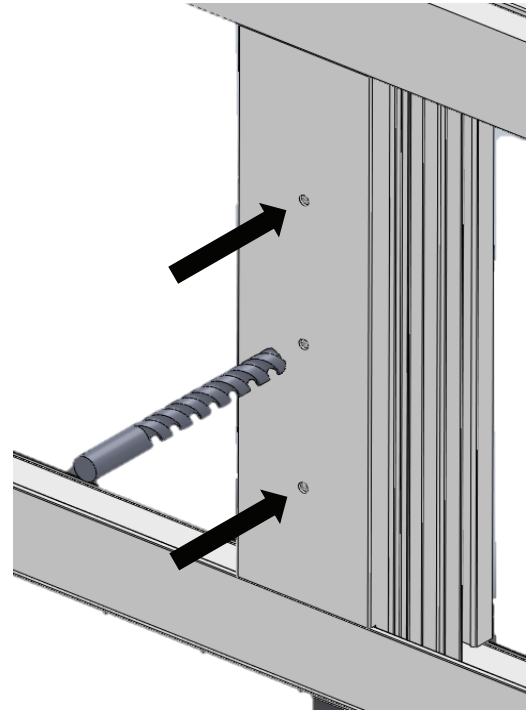
-After the backer plate is removed, you will see the three holes just drilled into the mullion interior face as shown in **Detail 6**.

-Using the provided 17/32" drill bit, and using the already drilled holes as a guide, **turn the drill in reverse** and enlarge the three drilled holes, penetrating only the first two PVC walls. Turning the drill in reverse will allow you to have greater control of the penetration.

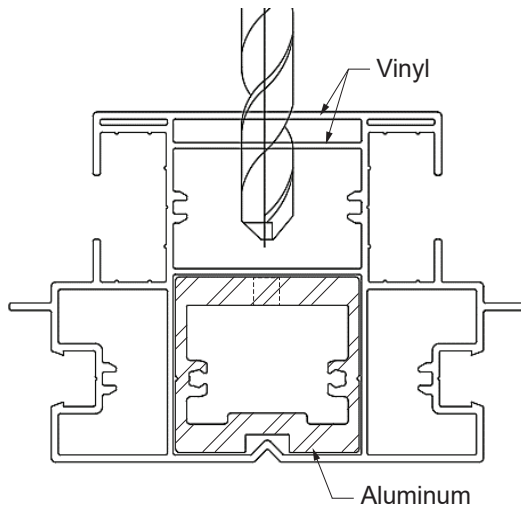
See **Details 7 & 8**.

Note: Do not drill into aluminum on this step.

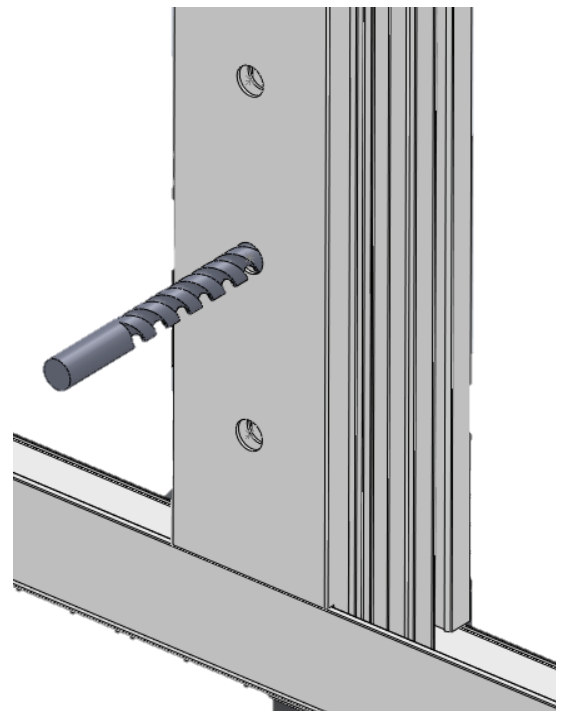
Tip: Measure 2" from the end of the drill bit and wrap a piece of tape around the drill bit. This will assist you in determining how deep the drill bit is during this step.



DETAIL 6



DETAIL 7

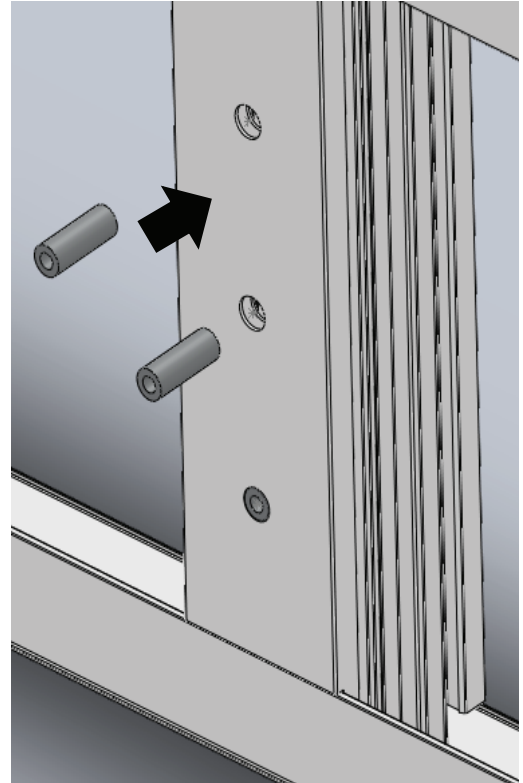


DETAIL 8

INSTALLATION**STEP 5: Insert Spacer Tubes**

-Insert the 1/2" diameter tube spacer (E1-5170) into the three large drilled holes, ensuring the face of the tube spacer is flush with the face of the mullion and not protruding out beyond the face.

See **Detail 9**.

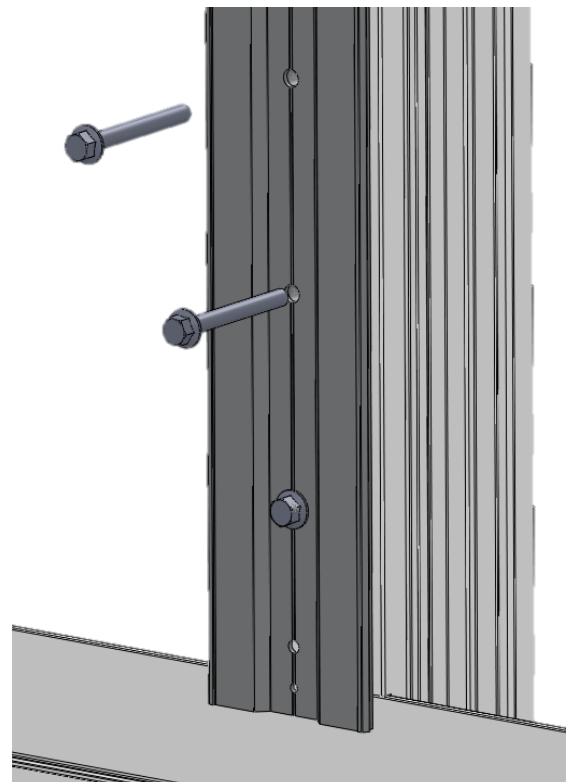


DETAIL 9

STEP 6: Anchor Into Reinforcement

-Place the backer plate back onto the interior face of the mullion. Using the three provided HF-2536-W1, which is a 1/4"-20 x 2-1/4" hex washer head thread cutting screw, attach the backer plate to the mullion. The thread cutting portion of the screw will thread into the internal reinforcement and will join both pieces to each other.

See **Detail 10**.



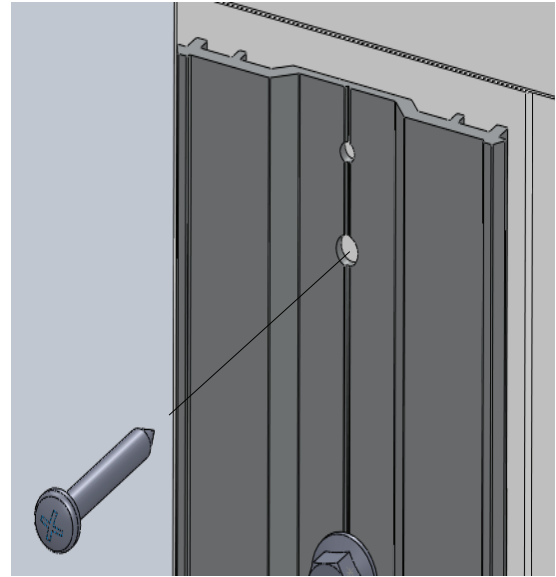
DETAIL 10

INSTALLATION

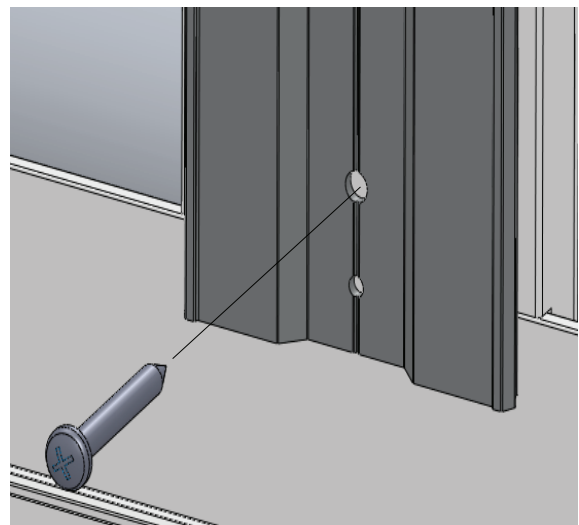
STEP 7: Fasten Into Mullion

-Using the two provided PC-1220 (#10 x 1-1/4" sheet metal screw), anchor these through the backer plate.

See **Detail 9**.



DETAIL 11



DETAIL 12

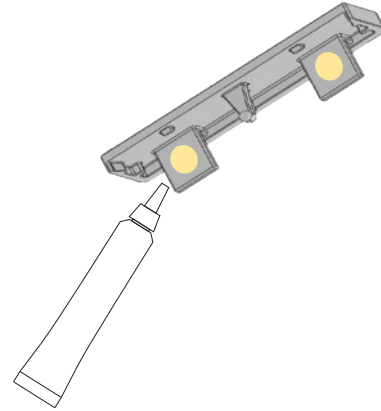
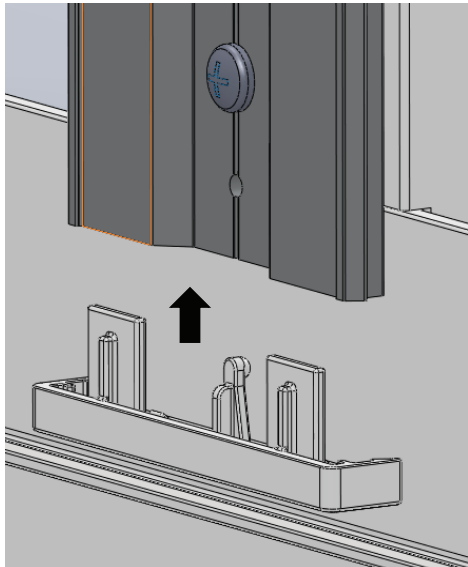
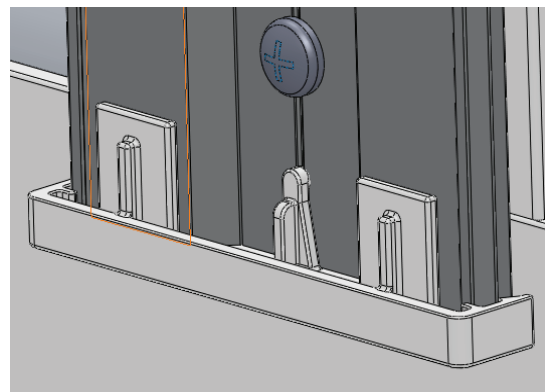
INSTALLATION**STEP 8: Attach End Caps**

-Before snapping the E3-5088 end caps onto the backer plate, place a pencil-size amount of RTV Sealant onto the faces of the end cap shown on **Detail 13**.

-Push the end caps onto each end of the backer plate until they snap into place.

See **Details 14 & 15**.

Tip: You may need to allow the silicone to set 30 minutes on the end cap before attaching it to the vinyl cover.

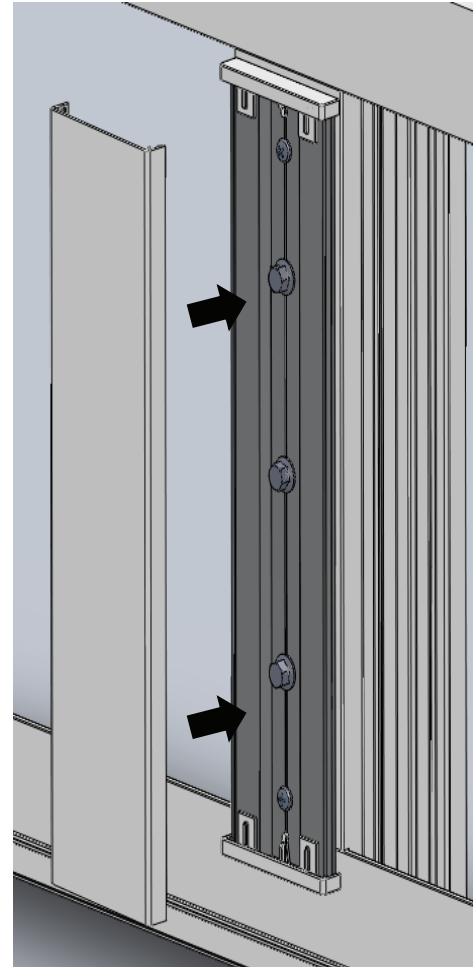
**DETAIL 13****DETAIL 14****DETAIL 15**

INSTALLATION

STEP 9: Attach Face Cover

-After the end caps are snapped into place - snap the PE5-7056 face cover over the backer plate.

See **Detail 16**.



DETAIL 16

 YKK AP America Inc.

Headquarters

101 Marietta Street NW
Suite 2100
Atlanta, Georgia 30168

Residential Division

100 YKK AP Way
Macon, Georgia 31216

www.ykkap.com