

YSD 600 T/TH Low Sill Sliding Door System



Installation Manual

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INSTALLATION NOTES

1. Do not drop, roll or drag boxes of aluminum framing. Move and stack boxes with proper support to prevent distortion. If fork lifts are used, be especially careful about striking the boxes when lifting or moving.
2. Store in a dry, limited access area. If rain exposure, condensation or any water contact is likely, then all packaging material should be removed. Wet packaging materials may permanently discolor or stain aluminum finishes and paints.
3. All materials should be checked for quantity and quality upon receipt, YKK AP must be notified immediately of any discrepancies in shipment. Check to make sure that you have the required shims, sealants, supplies, and tools necessary for the installation.
4. Carefully check the openings and surrounding conditions that will receive your material. If the construction is not per the construction documents, it is your responsibility to notify the general contractor in writing. Any discrepancies must be brought to the general contractor's attention before you proceed with the installation.
5. Collect your shop drawings, materials, packing list, and this installation manual. Carefully review parts location and the sequence of installation, including glazing and sealing. Installation instructions are of a general nature and may not cover every condition you will encounter. The shop drawings and/or installation manuals were prepared specifically for the product.
6. Any material substitutions must be of equal or greater quality.
7. Make certain that material samples have been sent for compatibility testing for all manufacturer's sealants involved. Make certain that sealants have been installed in strict accordance with the manufacturer's recommendations and specifications.
8. Consult sealant manufacture for proper sealant and backer rod selection.
9. Remember to isolate, in a approved manner, all aluminum from uncured masonry or other incompatible materials.
10. System-to-structure fasteners are not supplied by YKK AP. Fasteners called out on shop drawings are to indicate minimum sizes for design loading.
11. If any questions arise concerning YKK AP products or their installation, contact YKK AP Technical Center for clarification before proceeding.

INSTALLATION NOTES

12. YKK AP sliding door installation is typically completed before drywall, flooring and other products have been completely installed. Take the extra time to wrap and protect the installed material.

13. YKK AP Model YSD 600 T sliding doors are prefinished and prefabricated, sometimes preassembled, and must be protected against damage.

14. Concrete, mortar, plaster, muriatic acid and other alkaline and acid based construction and cleaning materials may be very harmful to finishes 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. Abrasive type cleaners must never be used.

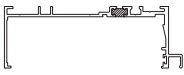
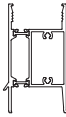


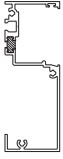
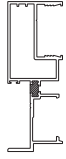
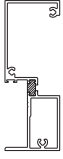

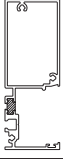

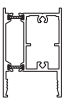

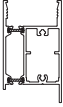



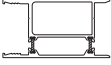



15. All work must start from, and be referenced to benchmarks, offset lines and/or column centerlines established by the architectural drawings and the general contractor.

16. All doors must be installed plumb, square, and level, and in accordance with approved shop drawings and these installation instructions.

17. Glass and glazing building codes governing the design and use of products vary widely. YKK AP America Inc. does not control the selection of products, product configurations, operating hardware and function, or glazing materials, and YKK AP assumes no responsibility for these design considerations. It is the responsibility of the design professional, owner, architect, specifier, general contractor, and the installer to make these selections in strict accordance with all applicable codes.

18. Check our website, www.ykkap.com, for the latest installation manual update prior to commencing work.

YSD 600 T / TH LOW SILL FRAMING MEMBERS

| | | | | | |
|---|---------------------------------|-----------------|---|--|-----------------|
|  | Head | BE9-6201 |  | Fixed Bottom Rail | BE9-6240 |
|  | Thermal Low-Profile Sill | BE9-6245 |  | Exterior Interlock Stile | E9-6210 |
|  | Fixed Jamb | BE9-6203 |  | Lock Meeting Stile For OXO | BE9-6224 |
|  | Lock Jamb | BE9-6204 |  | Lock Meeting Stile Cover For OXO | E9-6231 |
|  | Jamb | BE9-7917 |  | Head Adaptor/Filler For Sliding Panel | E9-6211 |
|  | Top Rail | BE9-6205 |  | Low-Profile Sill Adaptor/Filler | E9-6246 |
|  | Bottom Rail | BE9-6242 |  | Head Adaptor/Reinforcement | E9-6213 |
|  | Fixed Stile | BE9-6206 |  | Head Adaptor For Fixed Panel | E9-6214 |
|  | Lock Stile | BE9-6248 |  | Reinforcing (Meeting Stile) | E9-6293 |
|  | Interior Interlock Stile | BE9-6208 |  | Reinforcing (Interlock) | E9-6294* |

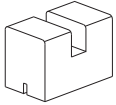

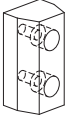
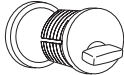







* Parts assembled to door/frame at the factory.

YSD 600 T / TH LOW SILL ACCESSORIES

| | | | | | |
|---|---|-----------------|---|---|-----------------|
|  | Track Cover Stainless Steel | E1-1601* |  | Pile Weathering | E2-0712* |
|  | Lock Strike/Keeper | E1-1618* |  | Weathering Gasket For Low-Profile Sill | E2-0746* |
|  | Ball Bearing Rollers Stainless Steel | E1-1620* |  | AT Gasket For Low-Profile Sill At Interlock | E2-0747 |
|  | Fixed Panel Stopper Attach at Head | E1-1624 |  | AT Gasket For Low-Profile Sill at Lock Stile | E2-0773* |
|  | Sliding Guide | E1-1625* |  | Wedge Gasket For Securing Fixed Panel to Frame | E2-0671 |
|  | Fixed Panel Anchor Clip For Low Sill | E1-1637 |  | Exterior Glazing Gasket For Glazing Large Missile Panels | E2-0361 |
|  | Setting Block | E2-0177 |  | Interior Glazing Spacer For Glazing Large Missile Panels, 3/8" F. C. | E2-0744 |
|  | Setting/Side Block For Large Missile Panels | E2-0178 |  | Panel Glazing Gasket For Non-Impact & Small Missile 1" Insulated Glazing | E2-0742 |
|  | Side Block For Large Missile Panels | E2-0134 |  | Panel Glazing Gasket For Non-Impact & Small Missile 1-3/16" Insulated Glazing | E2-0741 |
|  | Airtight Gasket For Frame Head & Sill | E2-0051 |  | Jamb Bumper | E2-0705* |














* Parts assembled to door/frame at the factory.

YSD 600 T / TH LOW SILL ACCESSORIES

| | | | | |
|---|--|------------------------|--|--------------------------|
|  | <p>Head/Sill Bumper</p> | <p>E2-0709*</p> |  <p>Pull Handle Package Shoulder Bolts Included</p> | <p>H-1342</p> |
|  | <p>AT Block</p> | <p>E3-0705*</p> |  <p>Thumbturn Cylinder</p> | <p>H-4204*</p> |
|  | <p>Anti-Lift Block</p> | <p>E3-1162*</p> |  <p>Cylinder Trim Ring For Thumbturn Cylinder</p> | <p>P-48530*</p> |
|  | <p>Shim For Anti-Lift Block</p> | <p>E3-1164*</p> |  <p>MS Lock Hookbolt 1-1/2" Backset</p> | <p>P-2101-SS*</p> |
|  | <p>.258 Dia. Plastic Rivet</p> | <p>E3-1165*</p> |  <p>Face Plate For Hookbolt Lock</p> | <p>P-33118*</p> |
|  | <p>Screw Cap</p> | <p>K3-3004</p> | | |

* Parts assembled to door/frame at the factory.

YSD 600 T / TH LOW SILL FASTENERS

| | | | |
|---|----------------------------|---|----------------------------|
|  <p>#8-32 x 1/2" Type F FHTCS, Stainless Steel For Attachment of Bottom Block E1-1605</p> | <p>FF-0808 -SS</p> |  <p>#10-24 x 1/2" Type F PHTCS, Stainless Steel For Attachment of Head Adaptors & Panel Stopper</p> | <p>PF-1008 -SS*</p> |
|  <p>#8 x 3/8" Type AB PHSMS, Stainless Steel For Attachment of Screen Track</p> | <p>PC-0806 -SS*</p> |  <p>#10-24 x 3/4" Type F PHTCS, Stainless Steel For Attachment of Jamb Bumper E2-0705</p> | <p>PF-1012 -SS*</p> |
|  <p>#8-32 x 1/2" Type F PHTCS, Stainless Steel For Attachment of Ball Bearing Roller E1-1620</p> | <p>PF-0808 -SS*</p> |  <p>#10 x 5/8" PHTS (Tek) Stainless Steel For Attachment of Aluminum Reinforcing</p> | <p>PS-1010 -SS*</p> |
|  <p>#8-32 x 1" Type F PHTCS, Stainless Steel For Attachment of Anti-Lift Block at Head</p> | <p>PF-0816 -SS*</p> |  <p>#12 x 1-1/4" Type AB PHSMS, Stainless Steel For Frame & Panel Assembly</p> | <p>PC-1220 -SS</p> |
|  <p>#8-32 x 3/8" FHMS Stainless Steel For Attachment of Sliding Guide & Face Plate</p> | <p>UM-0806 -SS*</p> |  <p>#12-24 x 1-1/4" Type F PHTCS, Stainless Steel For Attachment of Strike</p> | <p>PF-1220 -SS*</p> |
|  <p>#10-32 x 2-3/8" FHMS Stainless Steel For Attachment of MS Lock to Lock Stile</p> | <p>FN-1038 -SS*</p> |  <p>#1/4 x 5/8" FHSMS Stainless Steel, For Anchor Clip E1-1637 to Sill Attachment</p> | <p>FC-1410 -SS</p> |
|  <p>#10 x 1-1/4" Type AB PHSMS, Stainless Steel For Attachment of Head & Sill Bumpers E2-0709</p> | <p>PC-1020 -SS*</p> | | |

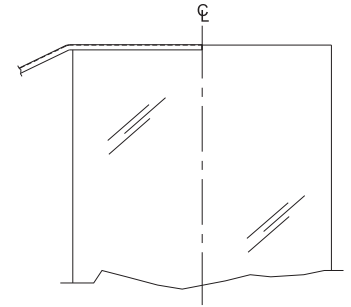
* Parts assembled to door/frame at the factory.

ASSEMBLE SLIDING & FIXED PANELS

STEP 1A

INSTALL GLAZING GASKETS (NON-IMPACT & SMALL MISSILE PANELS ONLY)

- Lay glass on flat surface with access to all four edges (i.e. lay glass on sawhorses).
- Locate the roll of gasket supplied with the sliding door package.
- Add up the total perimeter for each lite of glass:
 $(2 \times \text{Width}) + (2 \times \text{Height})$
 Ex.: A unit 34" wide by 76" tall would have 220" total.
- Cut the gasket to the length determined above for each lite plus 6".
- Begin by installing the gasket at the center of the top of each lite.



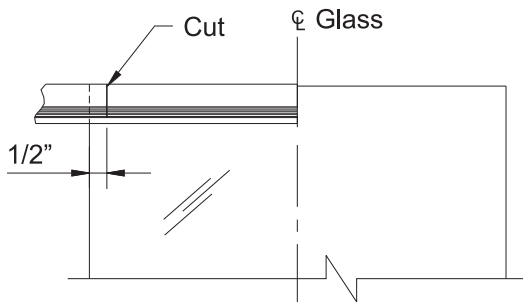
Detail 1

See **Detail 1**.

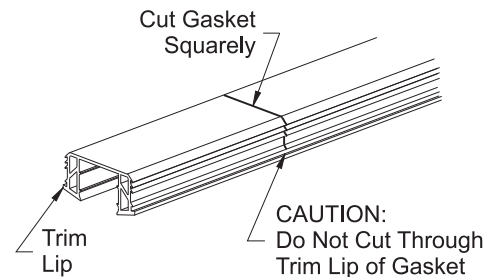
- Cut the gasket 1/2" away from the corner.
- Cut the gasket squarely.

Caution: Do not cut through the trim lip of the gasket.

See **Detail 2**.



Detail 2

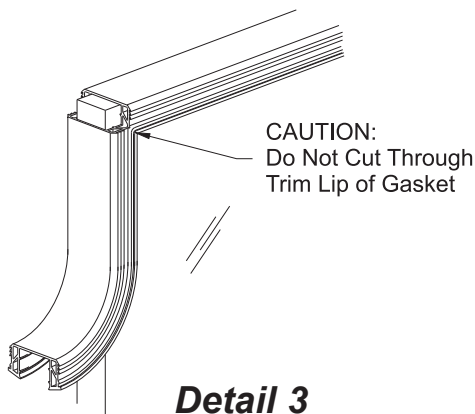


- Wrap the gasket around the corner and install the gasket around the glass moving down the side of the lite.

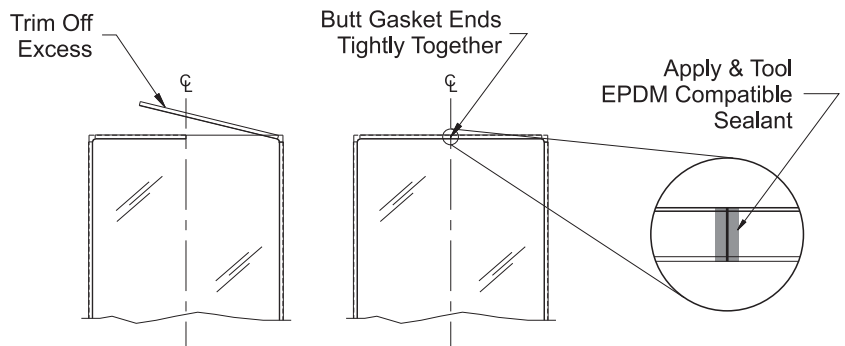
See **Detail 3**.

- Cut the gasket 1/2" away from the next corner.
- Proceed around the lite repeating the steps called out above.
- Trim off the excess gasket at the end and butt the ends of the gasket against each other, allowing an extra 1/4" to ensure a tight fit.

See **Detail 4**.



Detail 3



Detail 4

ASSEMBLE SLIDING & FIXED PANELS

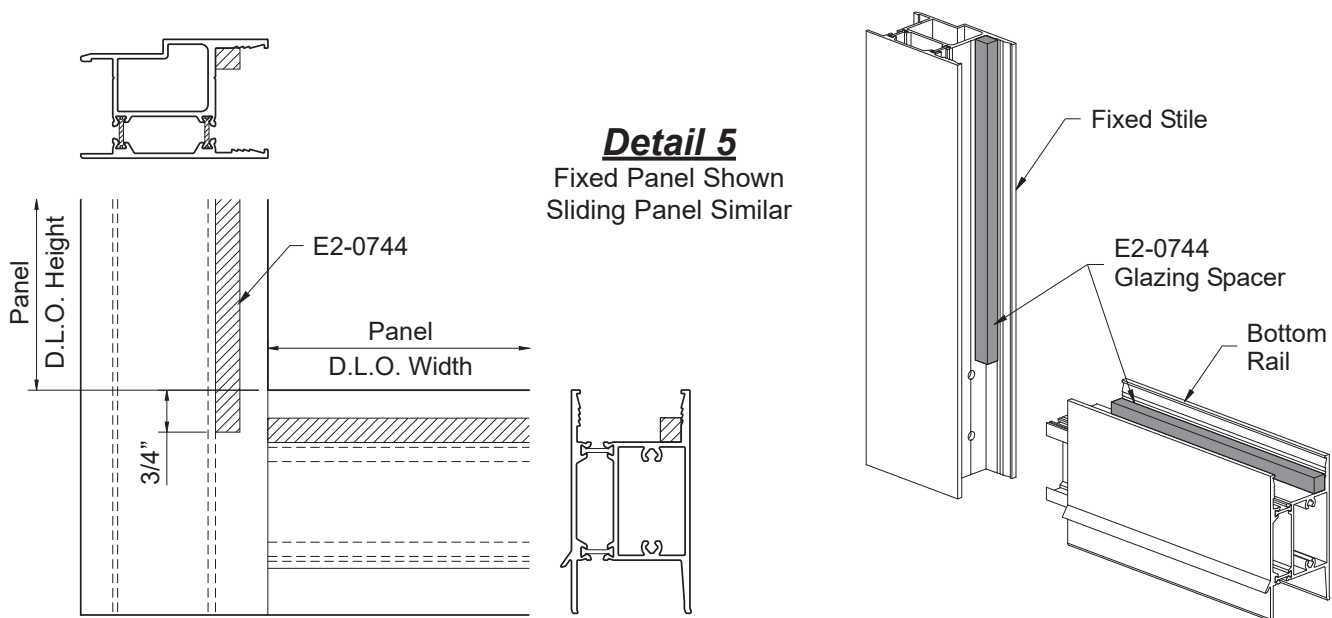
STEP 1B

INSTALL GLAZING SPACERS & SIDE BLOCKS (LARGE MISSILE PANELS ONLY)

Large missile panels require the installation of glazing tape, E2-0744, prior to assembling the panel members.

- Cut top/bottom rail glazing tape to the Panel Daylight Opening Width.
 - Cut stile glazing tape to the Panel Daylight Opening Height plus (+) 1-1/2" (3/4" at each end).
 - Remove the protective backing from the glazing tape and apply it as shown below.
- Be careful not to stretch the tape when installing it.

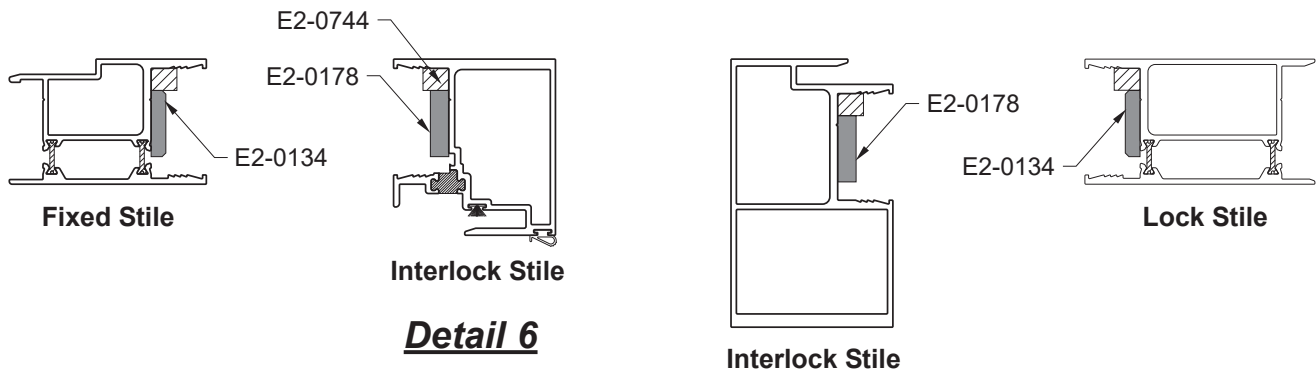
See **Detail 5**.



Large missile sliding panels also require the installation of side blocks, E2-0134 for fixed and lock stiles and E2-0178 for interlock and meeting stiles.

- Remove the protective backing from the side blocks, apply sealant to the backs of the blocks, and install them at the 1/4 points of the panel daylight opening as shown below.

See **Detail 6**.



ASSEMBLE SLIDING & FIXED PANELS

STEP 2

GLAZING SLIDING PANELS

-Just prior to assembling the panels apply and tool sealant to the glass corners behind the gasket on both sides.

See **Detail 7**.

-Carefully lay the lite of glass down onto a pair of sawhorses.

-Apply sealant to the notched out ends of the top and bottom rails.

See **Detail 8**.

-Install setting blocks, E2-0177 along the bottom rail glazing pocket at 1/4 points or according to engineering calculations.

-Insert the top and bottom rails centered on the lite of glass with the exterior side of the panel facing up.

-Align the stiles (exterior sides facing up) with the rails and attach them using a rubber mallet. Make sure all glazing gaskets or spacers are properly aligned.

Note: A clamp or strap may be used to ensure the bow is removed from the sides.

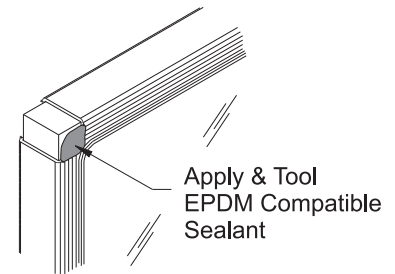
-Fasten each corner of the sliding panel with two PC-1220-SS fasteners.

-Tool and wipe away excess sealant at the joints.

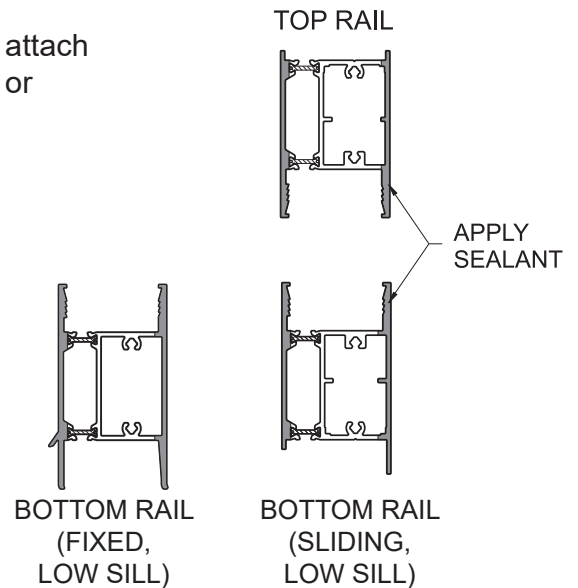
-Install screw caps, K3-3004, into the clear holes at the top and bottom of the fixed and lock stiles.

Note: The middle hole at the bottom is left unplugged for adjustment of the rollers. Screw caps for interlock & lock meeting stiles can only be installed after the head and sill fillers are attached.

See **Detail 9** on **Page 8**.



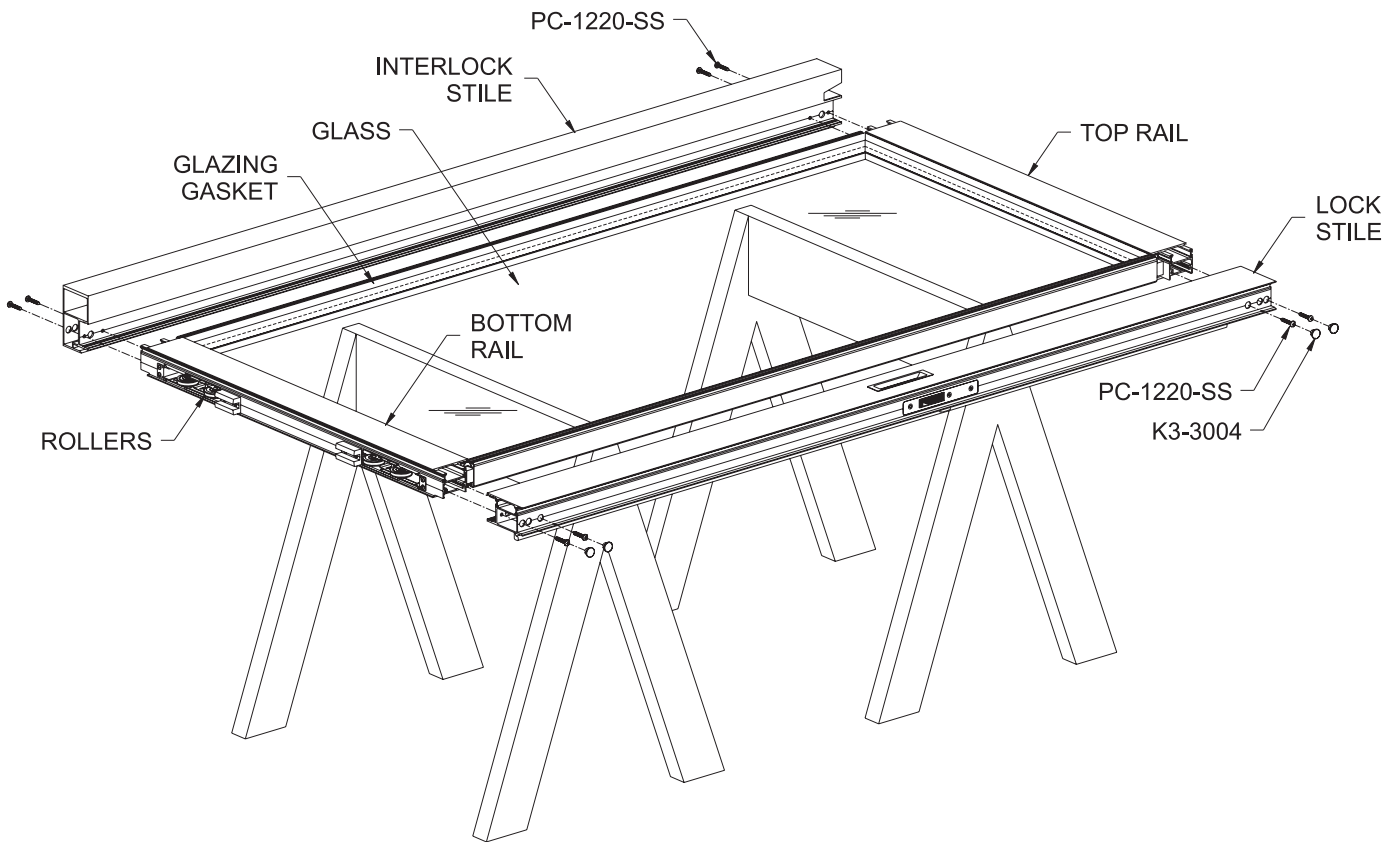
Detail 7



Detail 8

ASSEMBLE SLIDING & FIXED PANELS

**STEP 2 (Continued)
GLAZING SLIDING PANELS**



Detail 9
Non-Impact Sliding
Panel Shown
Others Similar

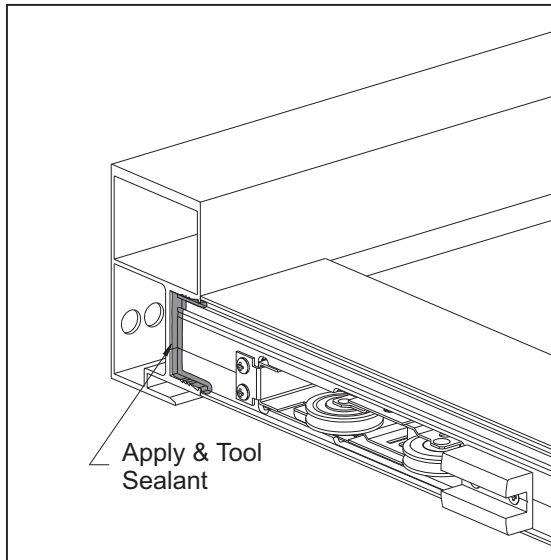
ASSEMBLE SLIDING & FIXED PANELS

**STEP 2 (Continued)
GLAZING SLIDING PANELS**

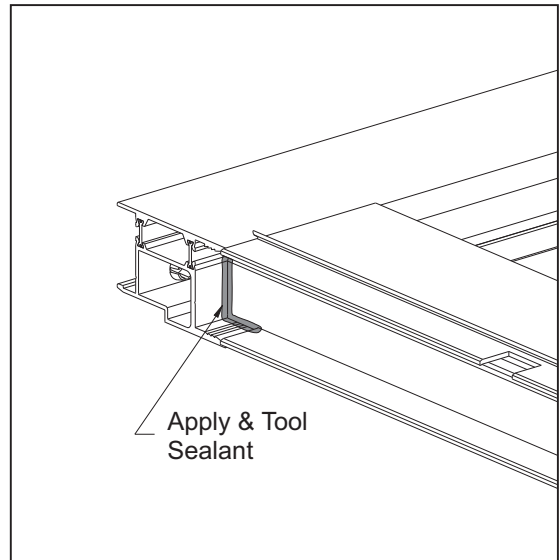
Seal Exterior Panel Joints

- Apply sealant to the exterior joints between the rails and stiles at both the top and bottom of the assembled panels.
- Tool the sealant to ensure a watertight seal.

See **Details 10 & 11.**



Detail 10
Sliding Panel Shown

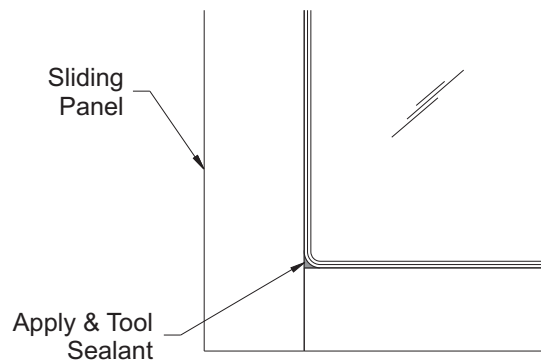


Detail 11
Fixed Panel Shown

**STEP 2 A
FOR ALL SMALL MISSILE
& NON-IMPACT PANELS**

- Apply and tool sealant to the joint between the marine gasket and panel corners. Seal at each corner and on both sides of the panel.

See **Detail 12.**



Detail 12

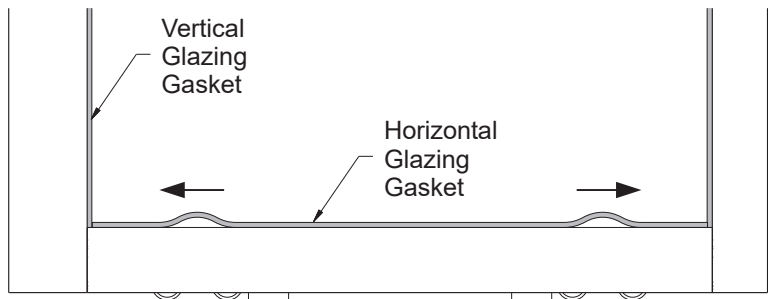
ASSEMBLE SLIDING & FIXED PANELS

STEP 2 B

GLAZING SLIDING PANELS (FOR ALL LARGE MISSILE PANELS)

Install Glazing Gaskets

- Cut horizontal & vertical glazing gaskets to Panel Daylight Opening plus (+) 3/16" for each foot of length.
- Install the vertical glazing gaskets first then the horizontal gaskets.
- Insert the gasket at each end. Then insert the gasket at the midpoint of the opening and push the remainder of gasket in working towards each end.

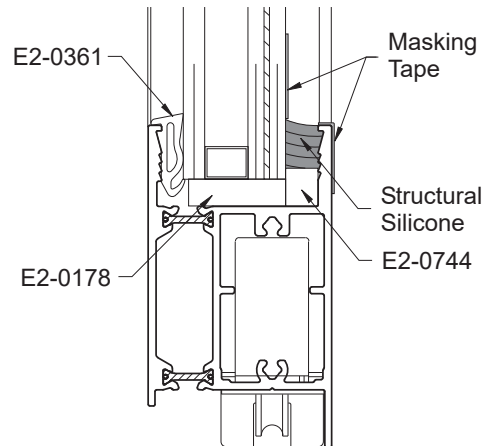


Detail 13

See **Detail 13**.

Apply Interior Structural Silicone Sealant

- Carefully turn over the assembled sliding panel so that the interior of the panel is facing up. Rest the frame on the sawhorses allowing the weight of the glass to compress the push-in wedge gaskets.
- Make sure that all silicone contact surfaces and joints have been cleaned with isopropyl alcohol (50%) and lint free cloths using the "two cloth method."
- Apply masking tape to the aluminum and glass as shown.
- Apply structural silicone sealant into the cavity between the panel and glass. Exert positive pressure so that the sealant completely fills the cavity.
- Using a spatula or other non-scratching implement, immediately tool the sealant after running the joint. Exert positive pressure while tooling to ensure that the sealant makes positive contact with all surfaces.



Detail 14

Be careful not to remove too much sealant!

- Remove the masking tape within ten minutes of tooling.

Do not allow the sealant to skin over!

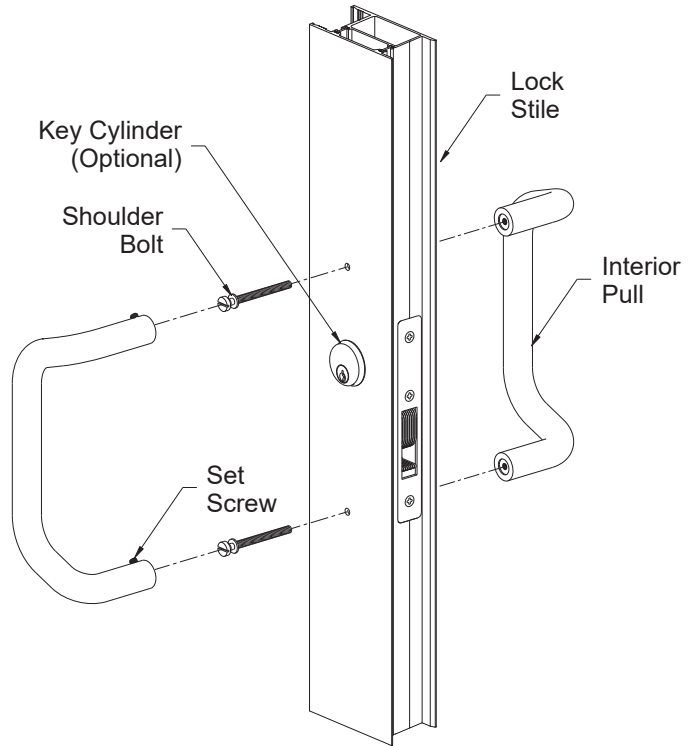
See **Detail 14**.

ASSEMBLE SLIDING & FIXED PANELS

STEP 3 ATTACH PULL HANDLES

- Insert the shoulder bolts into the pre-drilled holes in the stile.
- Align the threaded holes at the ends the interior pull handle with the shoulder bolts and tighten the shoulder bolts.
- Insert the ends of the exterior pull handle over the shoulder bolt heads and tighten the set screws with an allen wrench.

See **Detail 15**.

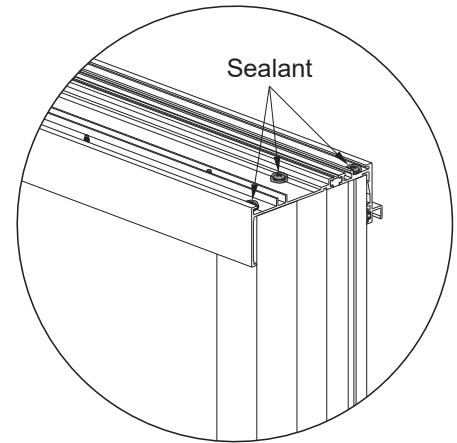
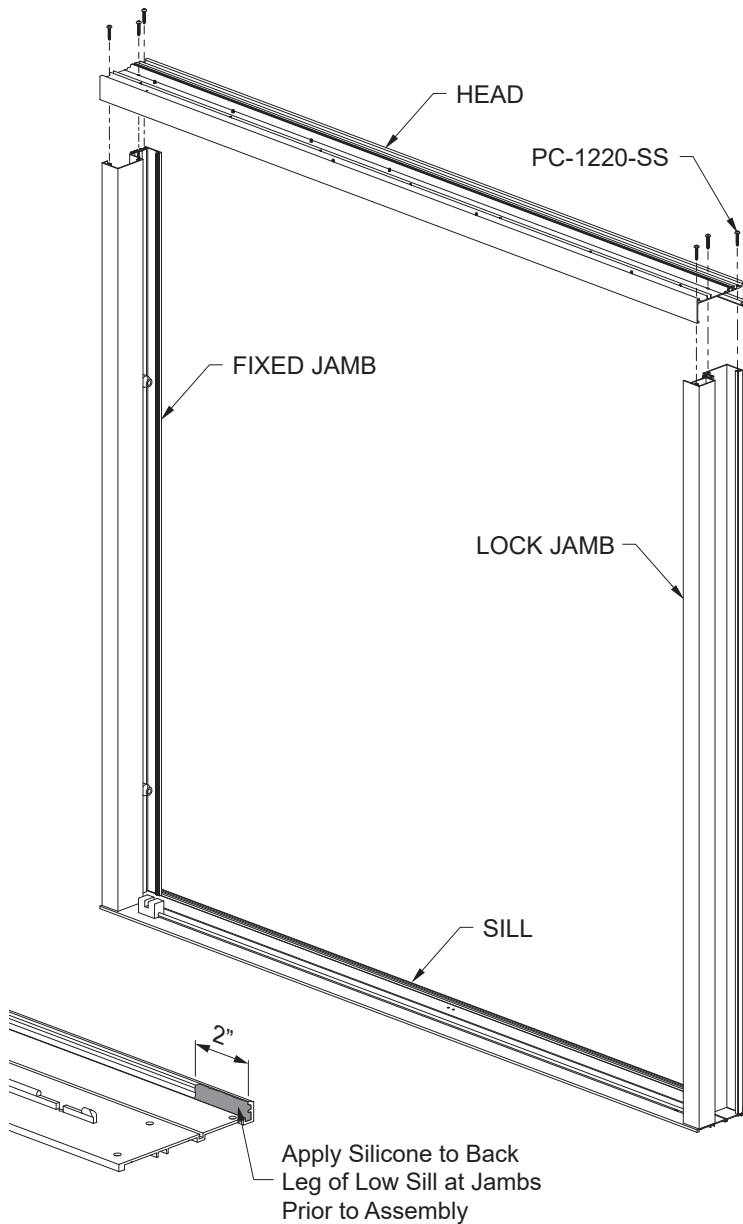


Detail 15

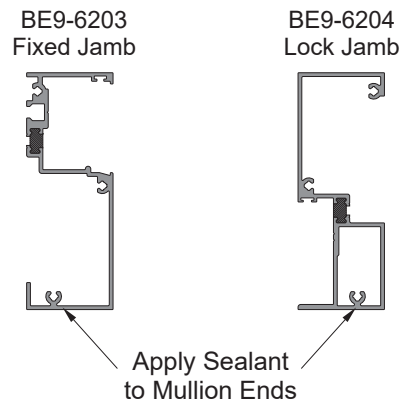
ASSEMBLE SLIDING DOOR FRAME

**STEP 3
ASSEMBLE SLIDING DOOR FRAME**

- Lay out members and locate fastener locations.
 - Apply sealant to each end of the jamb members.
 - Apply sealant to the back leg of the low will at jambs.
 - Attach the jamb members to the head and sill with PC-1220-SS fasteners as shown.
 - Tool and wipe away any excess sealant at the joints.
 - Apply sealant to all exposed fastener heads.
- See **Details 16 & 17**.



Detail 17

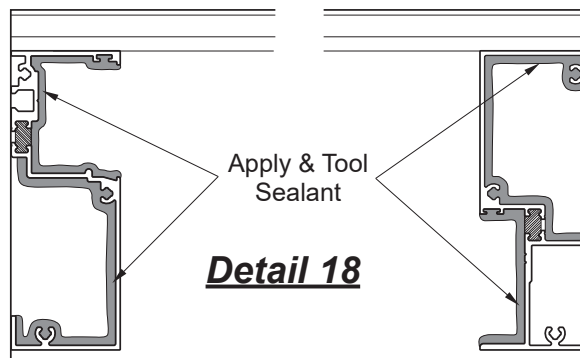


Detail 16

ASSEMBLE SLIDING DOOR FRAME

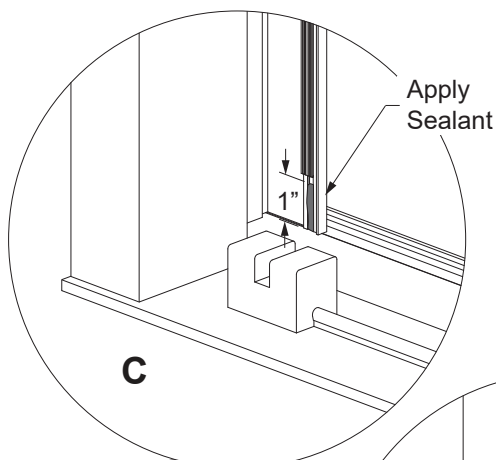
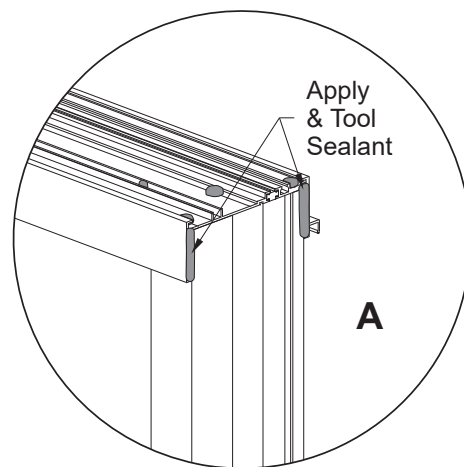
**STEP 4
SEAL SLIDING DOOR FRAME**

-Apply additional sealant to the head/jamb and sill/jamb joints along the inner and outer pockets.
-Tool the sealant to ensure a watertight seal.
See **Detail 18**.



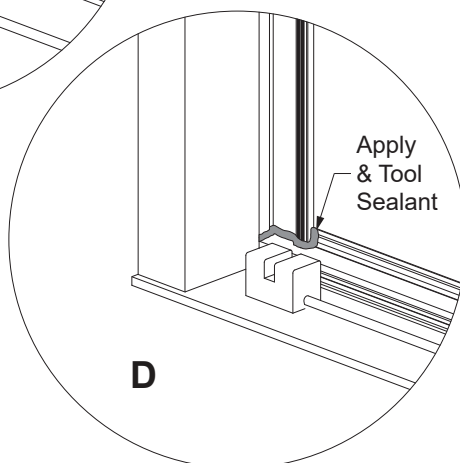
-At the exterior frame corners, apply and tool additional sealant to the spaces between the legs of the head and sill and the jamb.
See **Detail 19A & 19B**.

-At the interior frame corners, pull up the weatherstrip from the sill and apply a 1" bead of sealant in the reglet as shown in **Detail 19C**. Slide the weatherstrip down into the sealant and tool.
-Then apply and tool additional sealant to the spaces between the jamb and the back leg of the head and sill.
See **Detail 19D**.

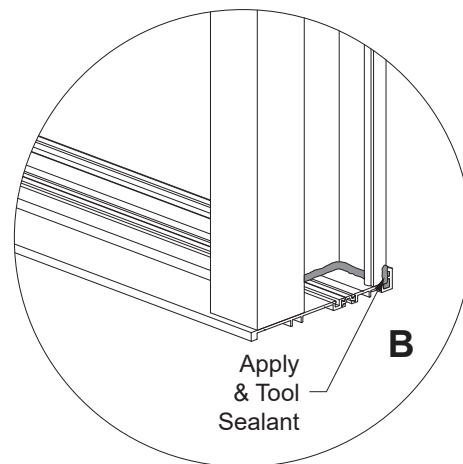


Fixed Jamb Shown
Lock Jamb Similar

Detail 19



Fixed Jamb for
Low Sill Shown,
Lock Jamb Similar



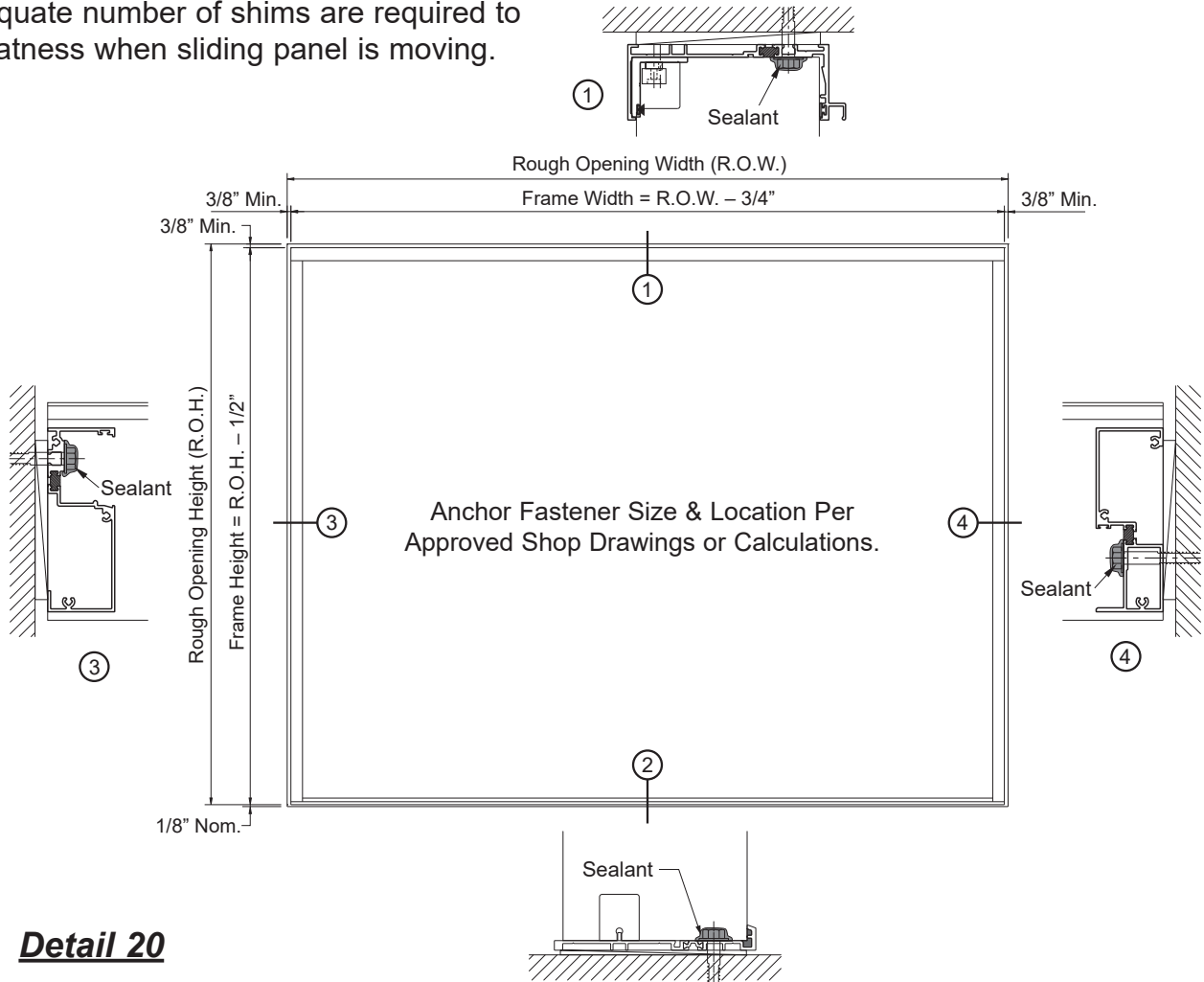
Lock Jamb for
Low Sill Shown,
Fixed Jamb Similar

INSTALL SLIDING DOOR FRAME

STEP 5 ANCHOR SLIDING DOOR FRAME

- The sliding door sill must be flat and level for sliding panel operation.
- Check the rough opening for squareness and plumb at both ends. Also, make sure that appropriate nominal shim space has been allowed for (3/8" minimum at the head and jambs, 1/8" nominal at the sill.)

Note: Adequate number of shims are required to maintain flatness when sliding panel is moving.



Detail 20

- Set the assembled frame in the prepared opening on a bed of sealant.
- Temporarily attach the frame to the structure using clamps and/or rope.
- Field drill the head, sill, and jambs for anchor fasteners according to approved shop drawings or engineering calculations. Consult YKK AP if load requirements are in question.
- Shim the head and jambs as needed; the frame must be level, plumb, and true.
- Sill must be shimmed as required to ensure it is flat, level, and fully supported to allow proper operation of the door: at every anchor and 6" on center under the track.
- Anchor the frame to the structure using appropriate anchor fasteners.
- Seal all anchor fastener heads.

See **Detail 20**.

INSTALL DOOR PANELS

STEP 6 INSTALL FIXED PANELS

- Prior to installing the fixed panel, apply sealant to the sill where the holes are pre-drilled for the E1-1637 anchor clip.
- Attach anchor clip to the low sill with two (2) FC-1410-SS fasteners.
- Apply a continuous bead of sealant to the backleg of the low sill, the entire length of the fixed panel prior to panel installation.

See **Detail 21**.

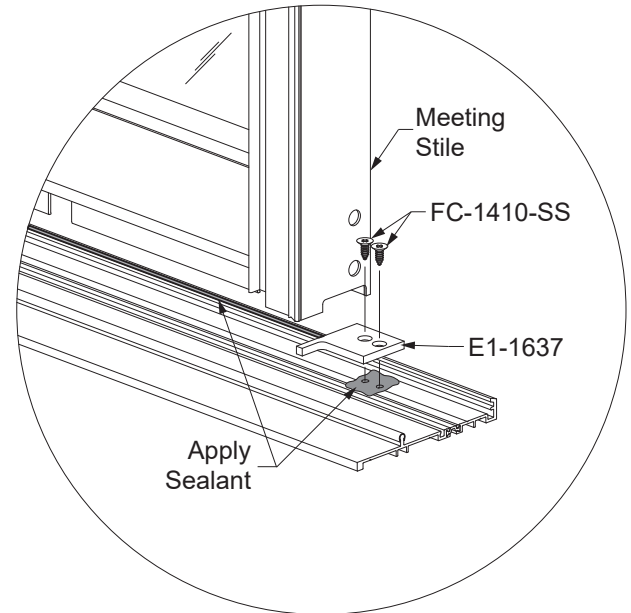
- Set the fixed panel into the frame and move it over tight against the fixed jamb. Make sure the fixed panel seats over the E1-1637 anchor clip.

See **Detail 22**.

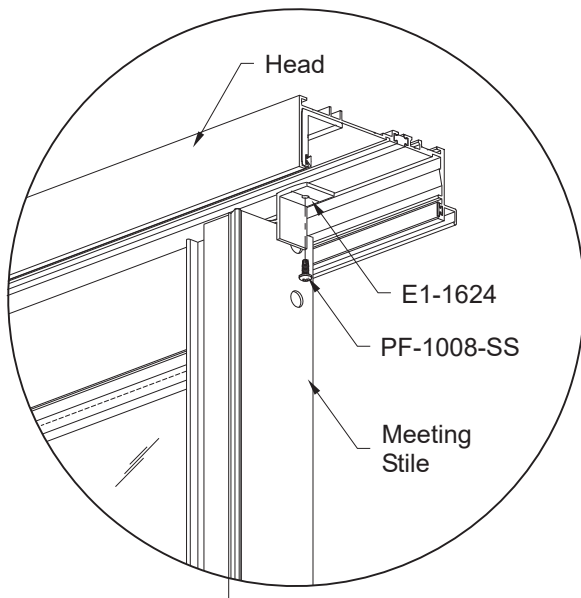
- Position the fixed panel stopper, E1-1624, tight against the fixed panel and aligned with the pre-drilled hole in the frame head.

- Attach E1-1624 to the frame head with one PF-1008-SS fastener.

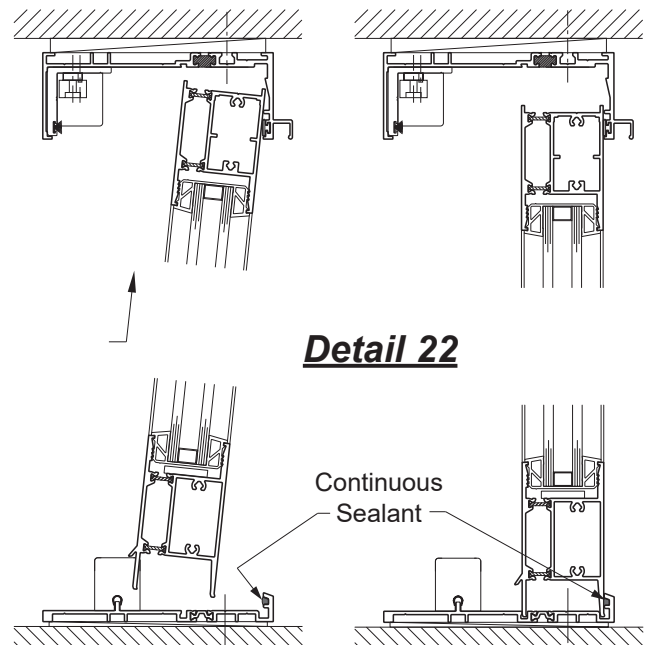
See **Detail 23**.



Detail 21



Detail 23



Detail 22

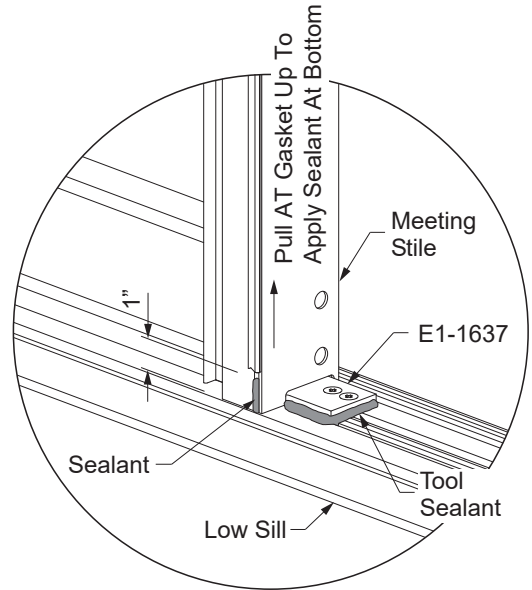
INSTALL DOOR PANELS

**STEP 6 (Continued)
INSTALL FIXED PANELS**

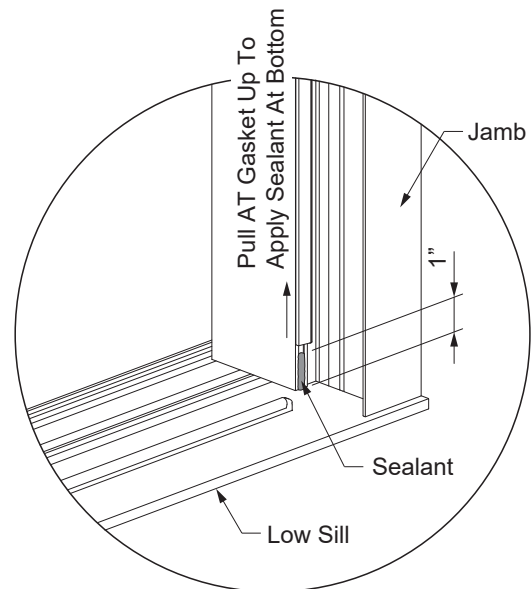
-At the fixed meeting stile, pull up the AT gasket from the sill, and apply a 1" bead of sealant in the reglet as shown in **Detail 24A**. Slide the weatherstrip down into the sealant and tool.

-Tool the excess sealant around the anchor clip.

-At the jamb, pull up the AT gasket from the sill, and apply a 1" bead of sealant as shown in **Detail 24B**. Slide the gasket down into the sealant and tool.



Detail 24A



Detail 24B

INSTALL DOOR PANELS

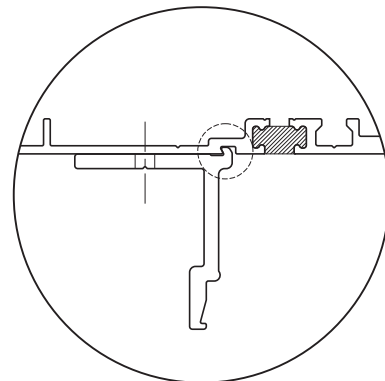
STEP 6 (Continued) INSTALL FIXED PANELS

Install Fixed Panel Head Adaptor E9-6214

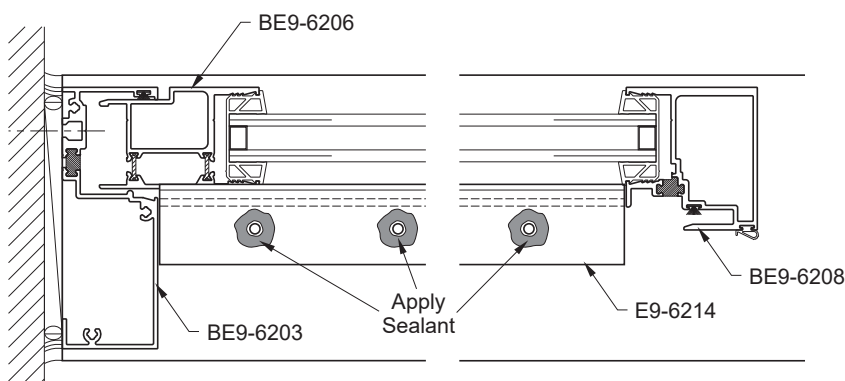
-Position the head adaptor E9-6214 at the head between the jamb and the interlock stile.
Make sure that the head adaptor is flat against the head and the head adaptor attachment leg sits in the head reglet properly.
See **Detail 25**.

-Transfer hole locations from the pre-drilled clear holes on the head adaptor to the frame head.
-Remove the head adaptor and drill 0.161" dia. (#20 bit) holes at each location.
-Apply sealant to the top of the head adaptor around the clear hole areas.
-Attach the head adaptor E9-6214 to the frame head using PF-1008-SS fasteners.
See **Detail 26**.

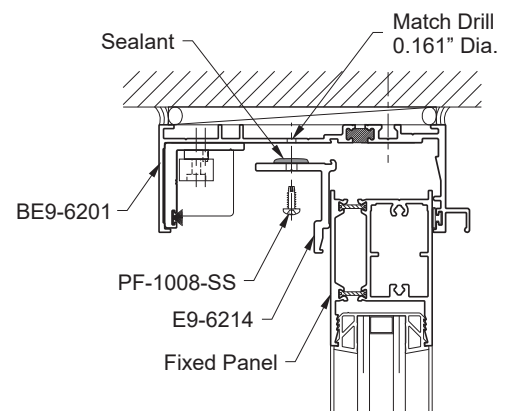
Note: A clamp may be used to hold the panel back to the gasket at the head.



Detail 25



Detail 26

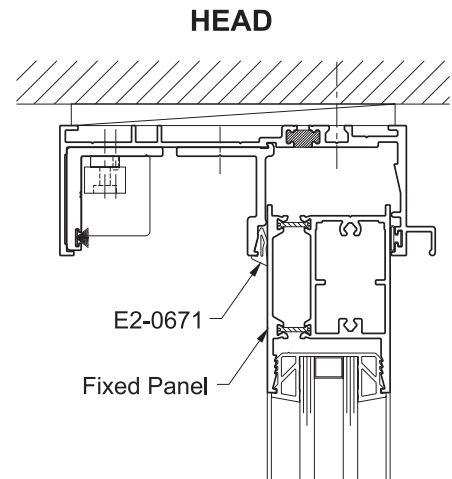


INSTALL DOOR PANELS

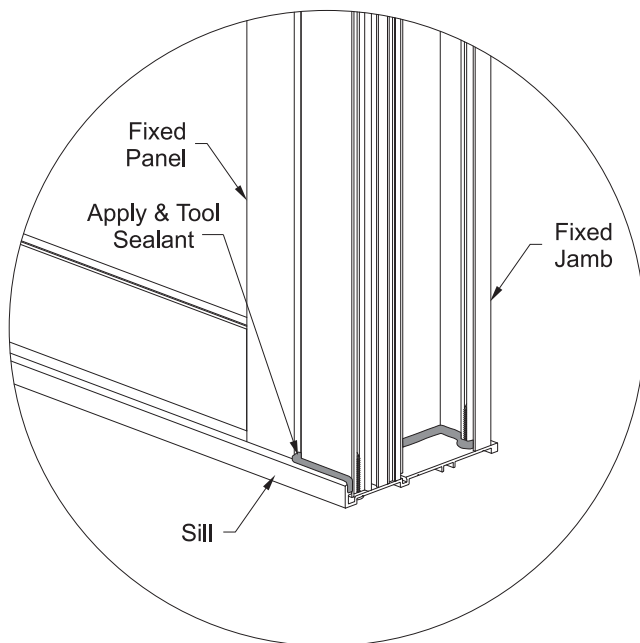
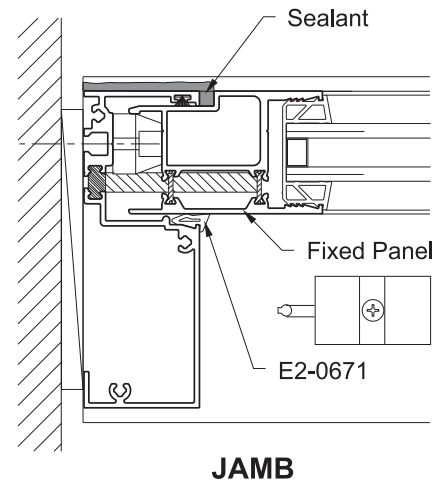
STEP 6 (Continued) INSTALL FIXED PANELS

- Cut vertical gaskets, E2-0671, to the Panel Height plus (+)1/4" per foot.
- Cut horizontal gaskets, E2-0671, to the Panel Width plus (+) 1/4" per foot.
- Lubricate the gaskets with water to facilitate the installation.
- Install the vertical gaskets where the fixed panel stile meets the fixed jamb first.
- Then install the horizontal gaskets where the fixed panel top rail meets the head adaptor E9-6214.
- Insert the gasket into the reglet at each end.
- Push in the rest of the gasket starting from the middle and work towards each end.

See **Detail 27**.



Detail 27



Detail 28

Sill Shown, Head Similar

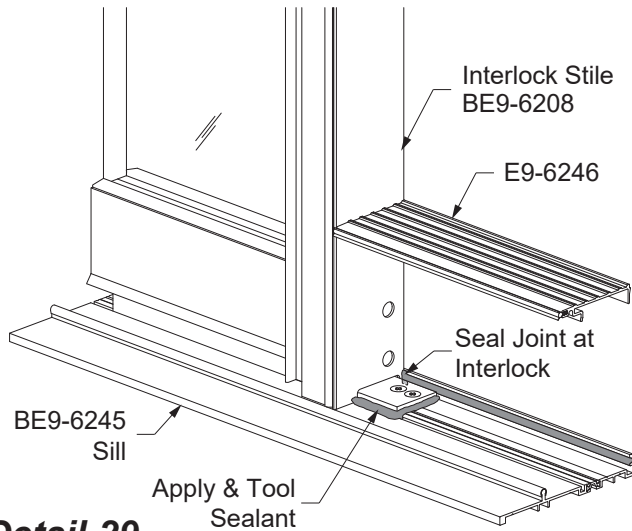
- At the head and sill, fill the cavity between the fixed panel and fixed jamb with sealant, continue to end of sill.
- Tool the sealant to ensure a watertight seal.

See **Detail 28**.

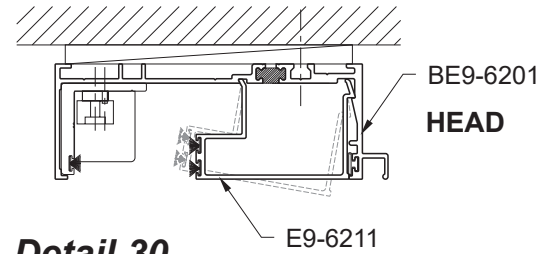
INSTALL DOOR PANELS

STEP 7
ATTACH SLIDING PANEL HEAD & SILL FILLERS

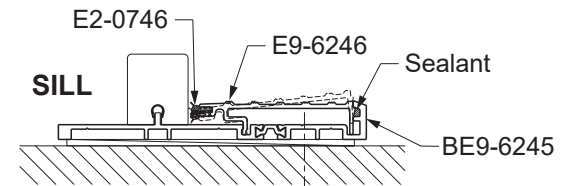
-Just prior to attaching sliding panel head & sill fillers, apply and tool sealant to the joint between the sill back leg and the interlock. Apply a bead of continuous sealant along the back leg of the sill. See **Detail 29**.



Detail 29



Detail 30



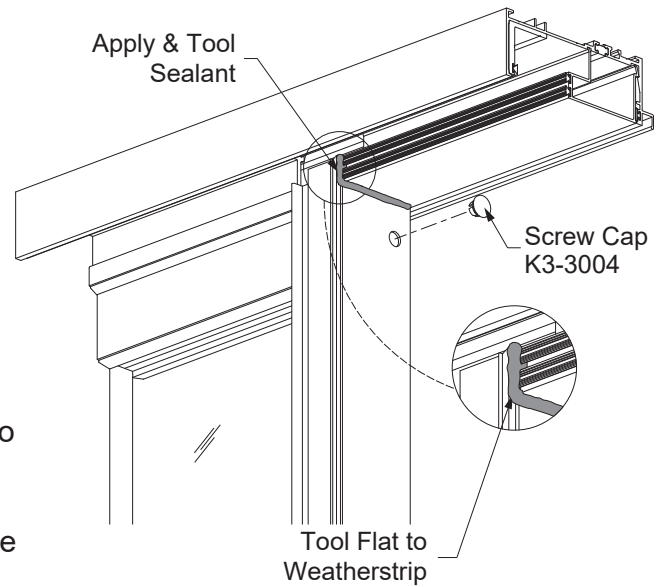
-Insert the front leg of the head and sill fillers into the filler reglets and rotate the fillers into place as shown. See **Detail 30**.

Note: Head and sill fillers must snap to ensure positive engagement. If it is difficult to snap in the fillers, you may have to puncture (pinhole) the head bulb gasket to let out excess air.

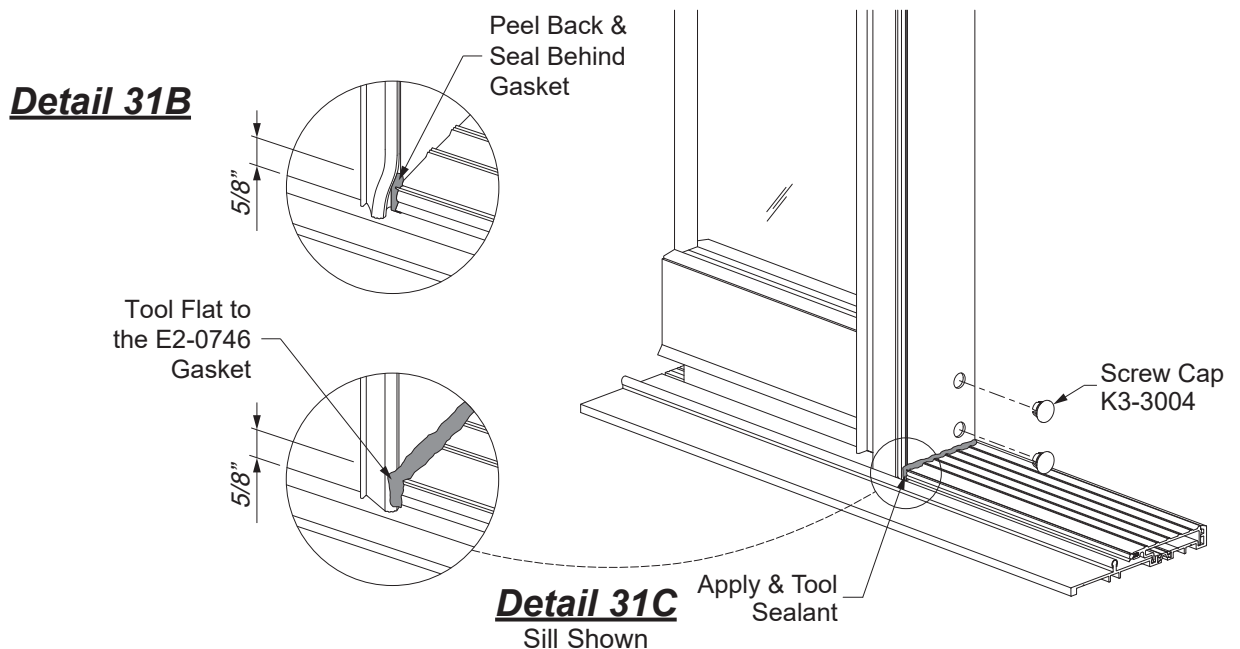
INSTALL DOOR PANELS

**STEP 7
ATTACH SLIDING PANEL HEAD & SILL FILLERS
(Continued)**

- Once the head and sill fillers are installed apply and tool sealant to the joint where the fillers meet the lock jamb and interlock or meeting stiles.
- Apply and tool sealant where the head weatherstrips meet the stile AT Gasket as shown in **Detail 31A**.
- At the sill, peel back the bulb portion of the AT gasket where it meets the E2-0746 gasket and apply sealant to the fixed stile underneath as shown in **Detail 31B**. Press the AT gasket back in place and apply and tool sealant at the joint where the E2-0746 gasket meets the AT gasket. Run the sealant along the joint of the threshold as shown in **Detail 31C**. Tool flat to the E2-0746 gasket.
- Insert screw caps, K3-3004, into the exposed clear holes on the stile. See **Details 31A & 31C**.
- Let silicone cure before installing the sliding panel.



Detail 31A
Interlock Shown,
Jamb Similar



Detail 31C
Sill Shown

INSTALL DOOR PANELS

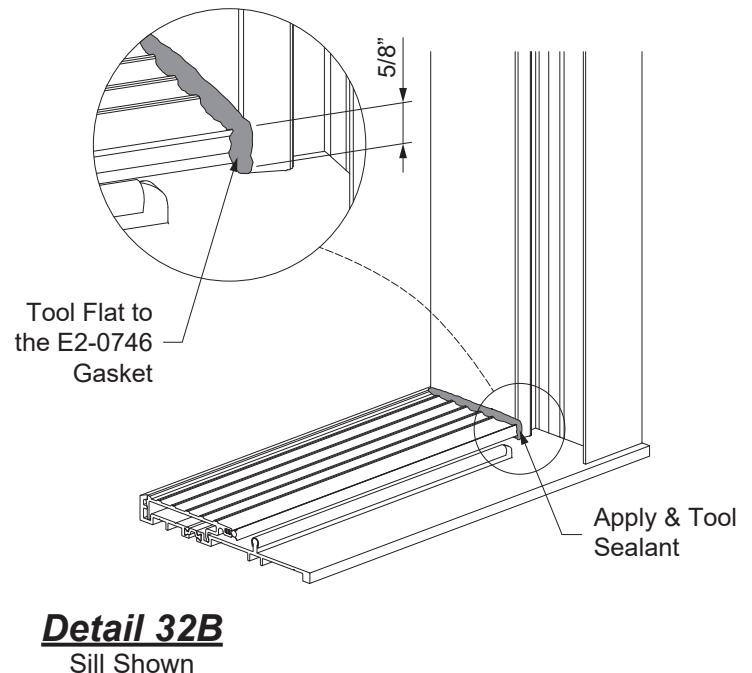
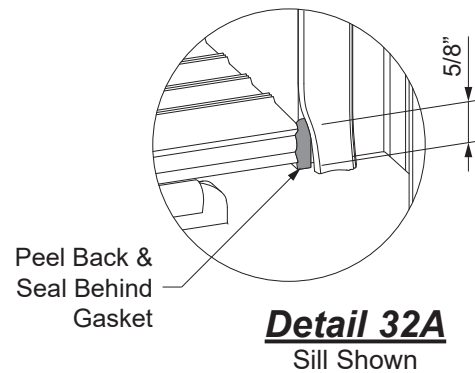
STEP 7

ATTACH SLIDING PANEL HEAD & SILL FILLERS (Continued)

-Seal the weatherstrip at the head to the AT Gasket at the jamb in the same manner as illustrated for the fixed interlocking stile.

-At the sill, peel back the flap portion of the AT gasket where it meets the E2-0773 gasket and apply sealant to the fixed stile underneath as shown in **Detail 32A**. Press the AT gasket back in place and apply and tool sealant at the joint where the E2-0773 gasket meets the AT gasket. Run the sealant along the joint of the threshold as shown in **Detail 32B**. Tool flat to the E2-0773 gasket.

-Let silicone cure before installing the sliding panel.



INSTALL DOOR PANELS

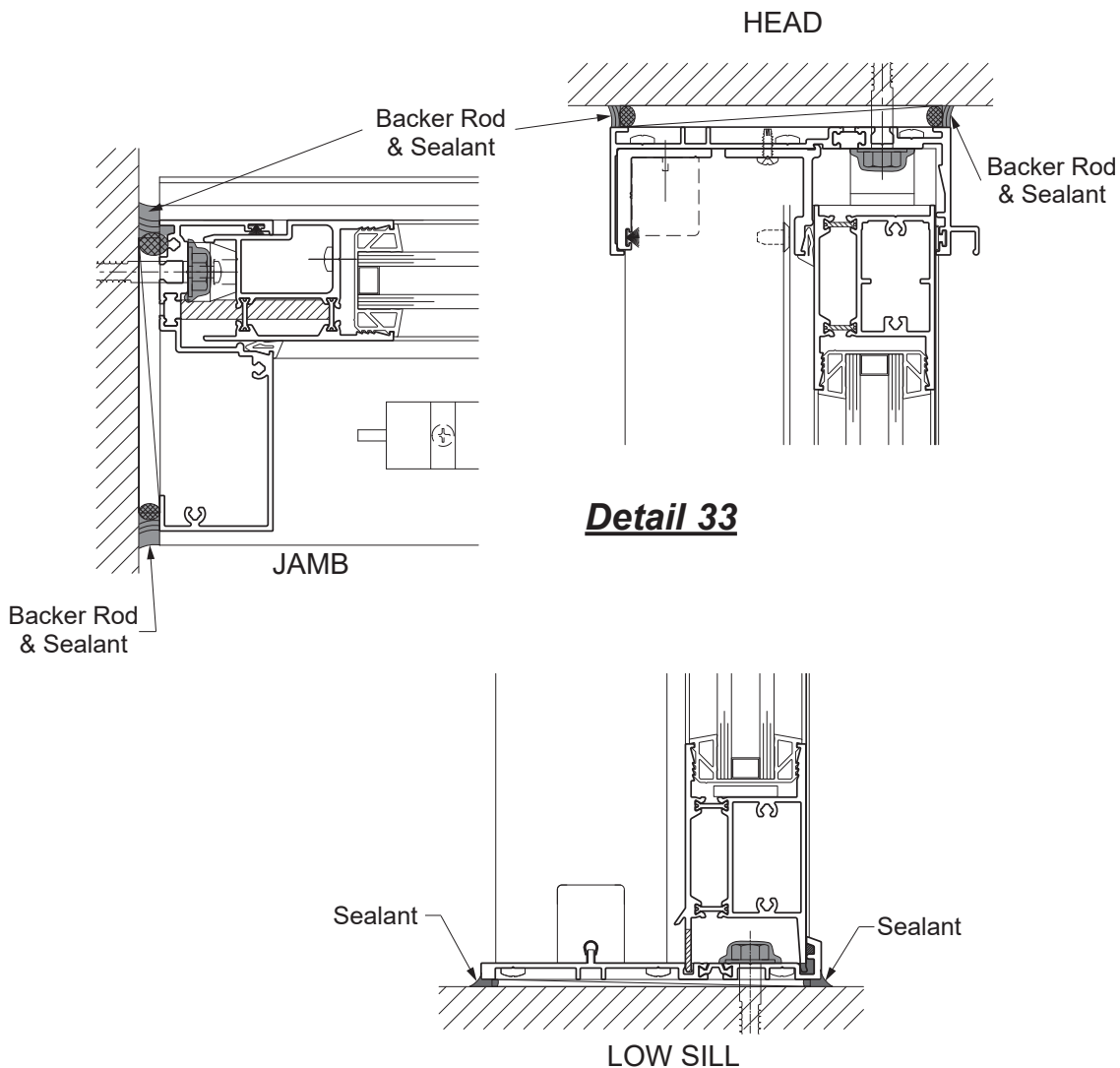
STEP 8 APPLY PERIMETER SEALANT

- Install backer rod between the frame head and jambs and the structure.
- Apply masking tape to the frame where sealant is applied.
- Apply perimeter sealant at the head, jambs, and sill.
- Immediately tool the sealant to ensure watertight seal and remove the masking tape while the sealant is still wet.

- Apply a toe bead at the exterior of the sill and a heel bead at the interior.
- Tool the sealant to ensure watertight seal.

Note: Perimeter sealant must be applied to both the exterior and interior of the frame.

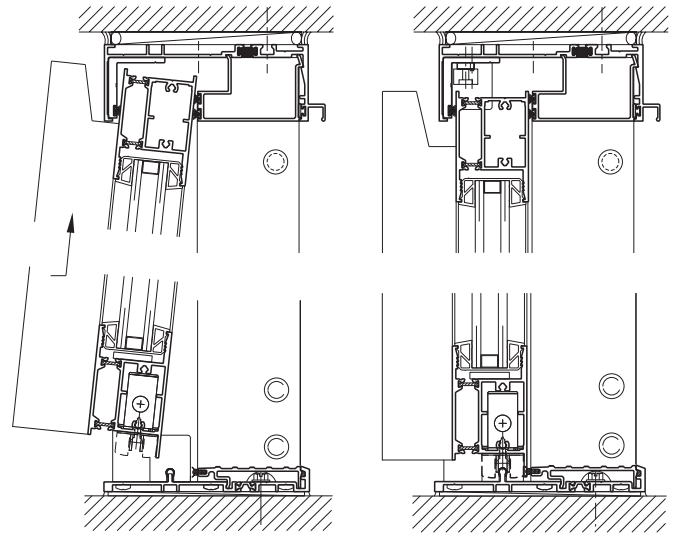
See **Detail 33**.



INSTALL DOOR PANELS

**STEP 9
INSTALL SLIDING PANELS**

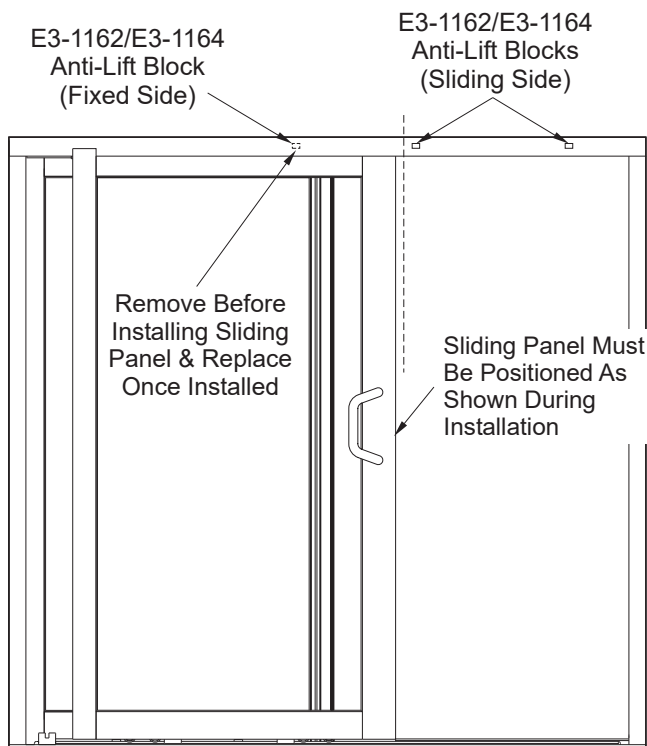
- Remove the one anti-lift block from the fixed side of the sliding door.
- Lift the sliding panel(s) up into the frame on the fixed panel side in order to clear the anti-lift blocks.
- Carefully lower the panel(s) down onto the roller track. Make sure that the rollers are properly aligned with the roller track.
- Slide the sliding panel back to the closed position and replace the anti-lift block previously removed.
- After the door panel is set on the threshold, press outward on the door panel to properly set the threshold gasket



Detail 34

See **Details 34 & 35.**

Caution: Do not allow the rollers to contact the floor before installing the sliding panels. Damage to the rollers may occur.



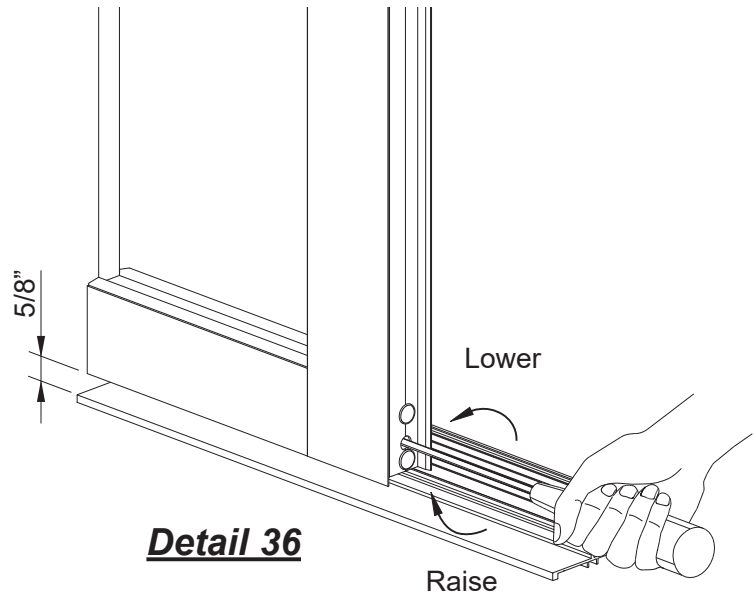
Detail 35

INSTALL DOOR PANELS

**STEP 10
ADJUST SLIDING PANELS**

- Adjust the rollers of the sliding panel(s) through the access hole on each side so that the door is level and rolls freely:
 - Clockwise to raise panel.
 - Counterclockwise to lower panel.

See **Detail 36**.

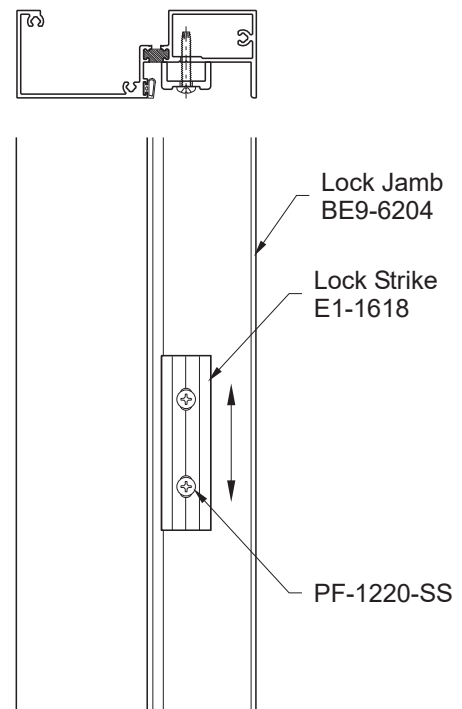


**If the Lock Does Not Operate Properly,
Adjust the Lock Strike**

- Loosen the lock strike fasteners.
- Adjust the lock strike on the frame so that the lock engages correctly.
- Tighten the lock strike fasteners.

See **Detail 37**.

Detail 37



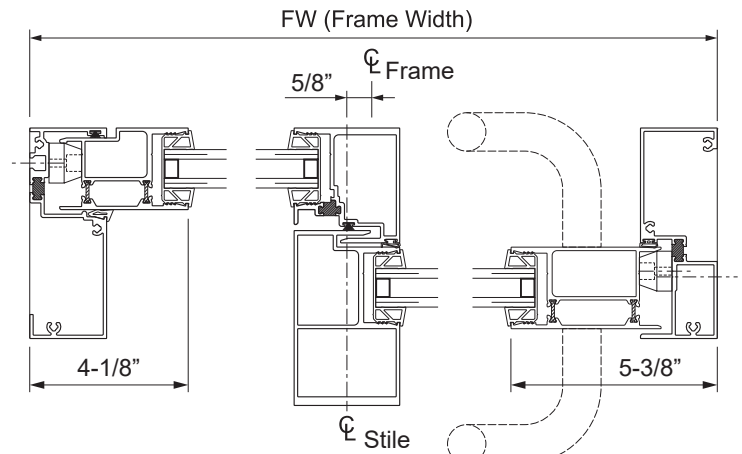
CALCULATING GLASS SIZES

| CONFIGURATION | GLASS WIDTH |
|---------------|-------------------------|
| OX, XO | $FW/2 - 4 \frac{7}{8}"$ |
| OX/O, O/XO | $FW/3 - 4 \frac{1}{4}"$ |

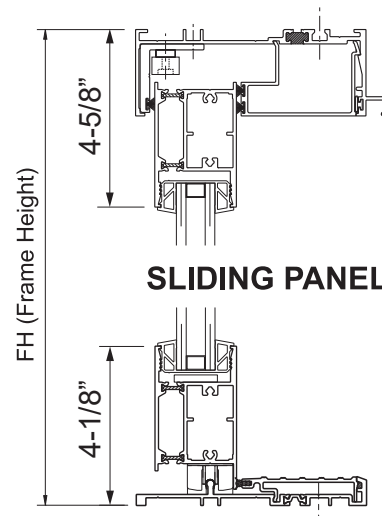
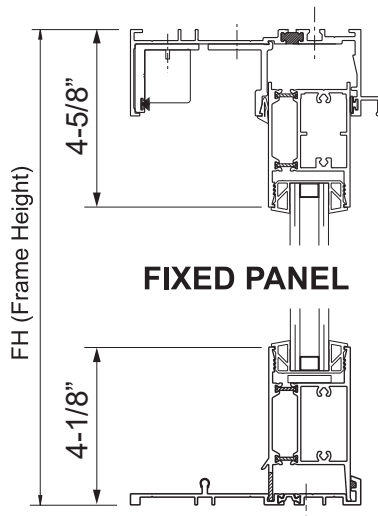
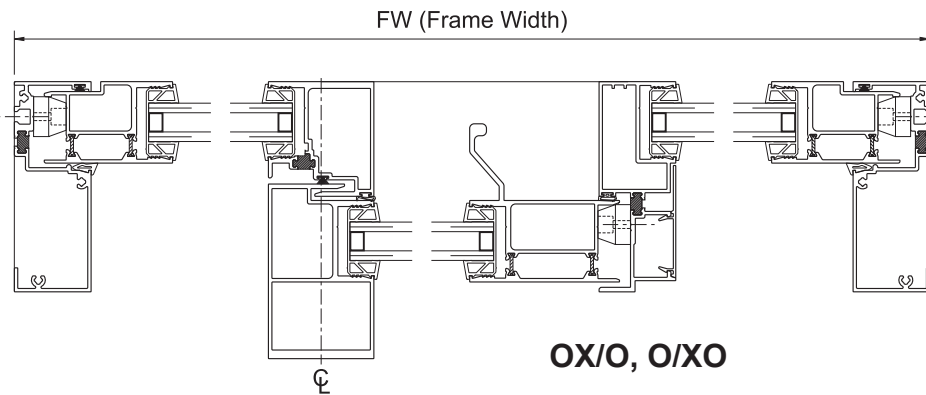
| PANEL TYPE | GLASS HEIGHT |
|-----------------|--------------------------|
| FIXED / SLIDING | $(FH - 7 \frac{1}{2}"$) |

Glass Bite = 5/8"

OX, XO

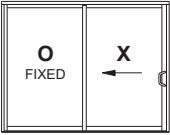
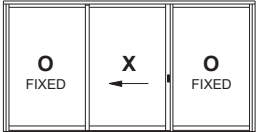


OX/O, O/XO



Note: Wet glazing requires 1-3/16" glass thickness.

SLIDING DOOR SIZE LIMITATIONS

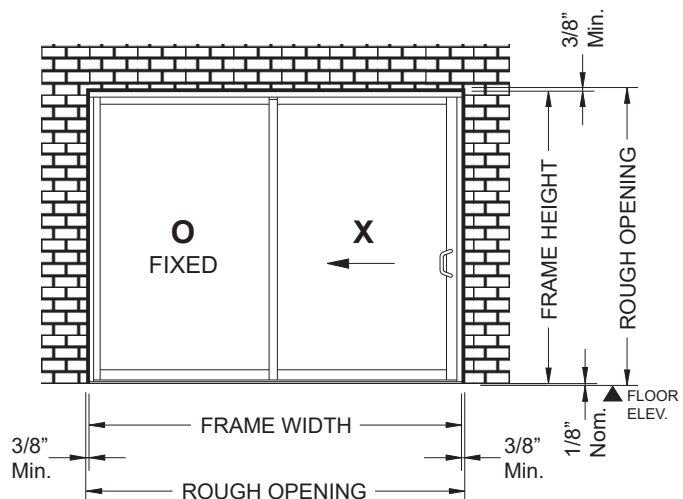
| CONFIGURATION | MAXIMUM FRAME SIZE* (AS TESTED) |
|--|---|
|  <p data-bbox="240 632 378 667">OX & XO</p> <p data-bbox="492 432 899 569">Without Reinforcing Design Load +75/-75 PSF Design Load +100/-100 PSF</p> <p data-bbox="492 625 857 699">With Reinforcing Design Load +90/-90 PSF</p> | <p data-bbox="1019 468 1385 504">Non-Impact: 10'-3" x 8'-0"</p> <p data-bbox="1057 531 1347 567">Impact: 8'-2" x 8'-0"</p> <p data-bbox="1117 657 1287 693">8'-3" x 9'-0"</p> |
|  <p data-bbox="220 963 399 999">OX/O, O/XO</p> <p data-bbox="492 793 865 867">Without Reinforcing Design Load +60/-60 PSF</p> <p data-bbox="492 924 857 997">With Reinforcing Design Load +70/-70 PSF</p> | <p data-bbox="1003 808 1401 844">Non-Impact: 15'-4 1/2" x 8'-0"</p> <p data-bbox="1032 940 1372 976">Impact: 12'-2 1/2" x 9'-0"</p> |

* If the height to width ratio exceeds 3:1, the sliding door must be reviewed by YKK AP engineering.

Note: All doors with frame heights over 96" must be reviewed by YKK AP Engineering.

NOTE:

Frame width and height should allow 3/4" for width & 1/2" for height overall clearance between the door frame and rough opening. This allows for thermal expansion and ease of installation.





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