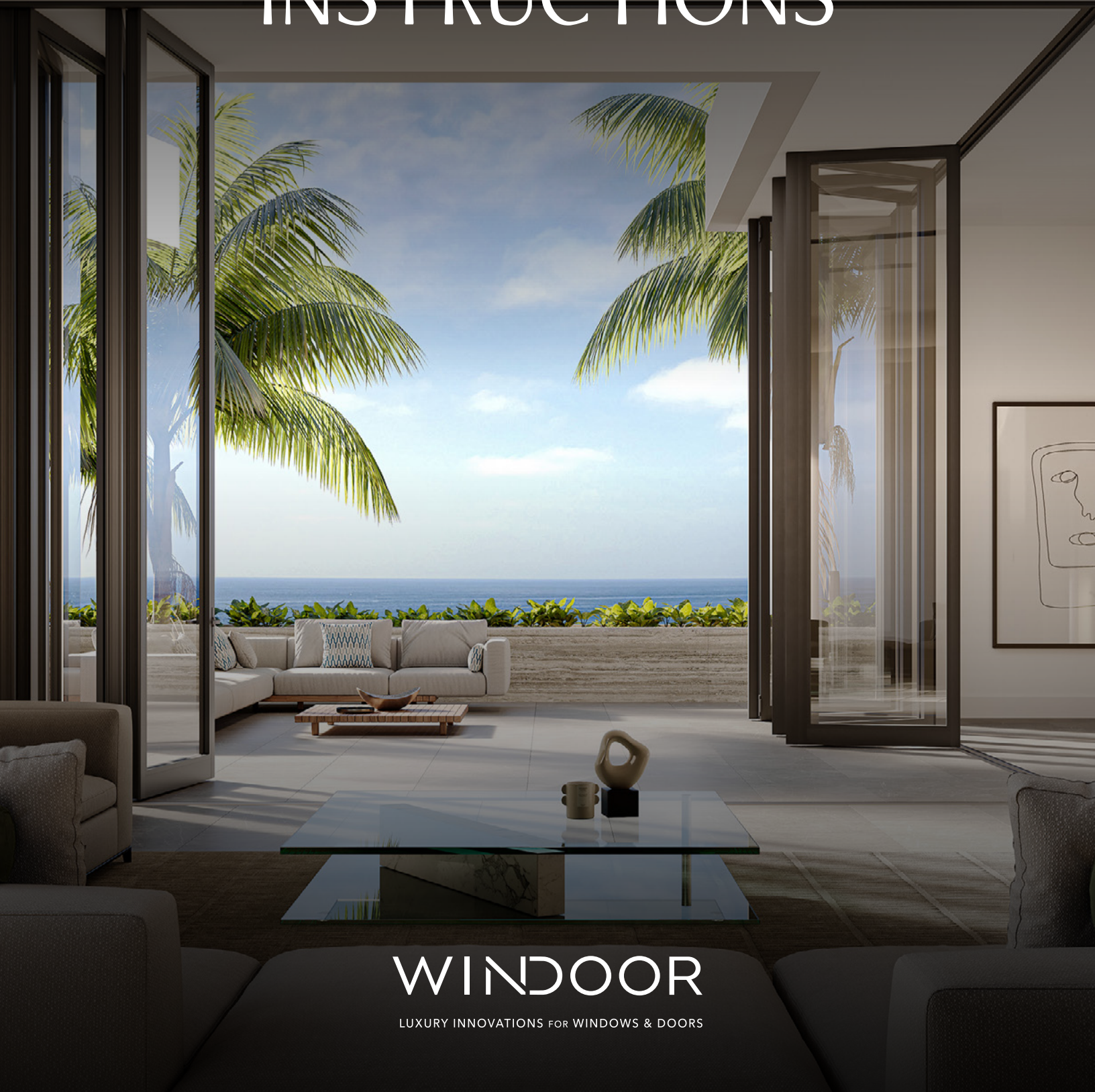


BIFOLD DOOR 1099A / 1199A

ASSEMBLY INSTRUCTIONS



WINDOOR

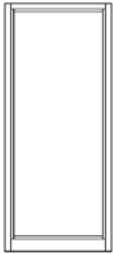
LUXURY INNOVATIONS FOR WINDOWS & DOORS

WARNING

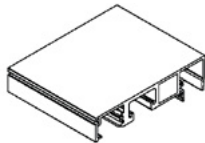
PROPER INSTALLATION PROCEDURES ARE NECESSARY TO INSURE THE PERFORMANCE OF THIS PRODUCT. PLEASE REVIEW INSTRUCTIONS INCLUDED WITH THIS PRODUCT COMPLETELY BEFORE STARTING INSTALLATION. FAILURE TO FOLLOW RECOMMENDED INSTALLATION PROCEDURES CAN RESULT IN VOIDING THE WARRANTY.

MATERIALS

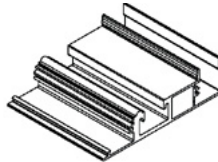
(1) PANELS
(SEE SECTIONS PG 11)



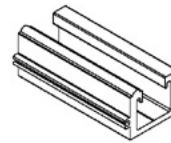
(2) HEAD



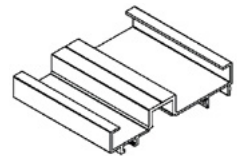
(3) SILL



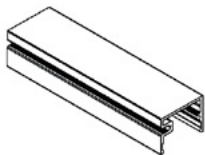
(4) FLUSH SILL



(5) JAMBS



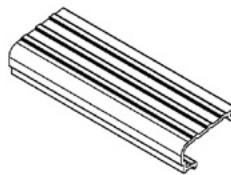
(6) FRAME ADAPTER



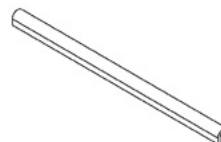
(7) GROOVE COVER



(8) THRESHOLD COVER



(9) SILL CAP



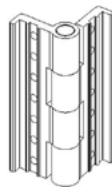
(10) C-FOLD GASKET



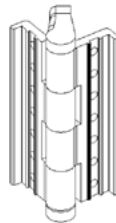
(11) SASH
MEETING GASKET



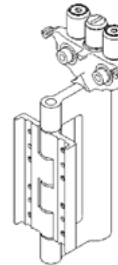
(12) STANDARD
HINGE ASSEMBLY



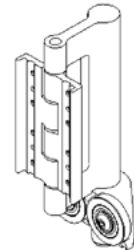
(13) PULL HANDLE
HINGE ASSEMBLY



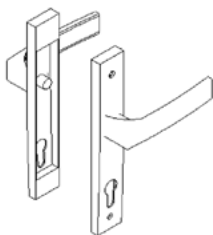
(14) DOUBLE PANEL
TOP GUIDE



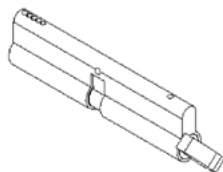
(15) DOUBLE PANEL
WHEEL CARRIAGE



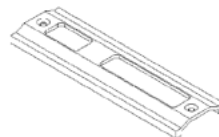
(16) ACTIVE HANDLE SET



(17) LOCK CYLINDER KIT



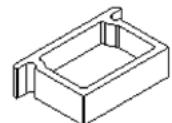
(18) KEEPER



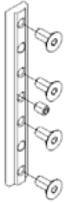
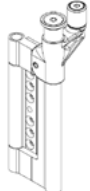
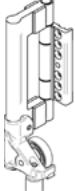
(19) INACTIVE
FLUSH HANDLE



(20) GROOVE CAP



MATERIALS

(21) HINGE PLATE W/ FASTENERS	(22) 1/32" HINGE SHIM	(23) PANEL CATCH	(24) #10 X 1 1/4" PH TEK FRAME ASSEMBLY SCREWS	(25) #8 X 3/4" FH HARDWARE SCREWS
				
(26) STRIKE PLATE	(27) SINGLE TOP GUIDE	(28) SINGLE BOTTOM ROLLER		
				

TOOLS, FASTENERS AND SEALANT

- Drill w/ several drill and driver bits
- #2 Screwdriver
- Rubber Mallet
- 2x4 Block of wood
- Glass suction cups
- Plastic, nylon, or composite shims
- Double sided tape
- Anchors
- 6' Level
- Torpedo level
- Framing Square
- String line
- High performance silicone or polyurethane for perimeter seals, screws, and joints
- Scribe
- Tape measure
- Laser level
- Safety glasses
- Denatured alcohol

1. PREPARING THE ROUGH OPENING

*Please refer to FMA/AAMA/WDMA standards for proper preparation of opening
(See Florida Building Code - Residential, Section R703.4, Commercial Section 1405.4).*

Step 1. Prepare the rough opening and clear of debris. Ensure that the opening is true, level, plumb, and square.

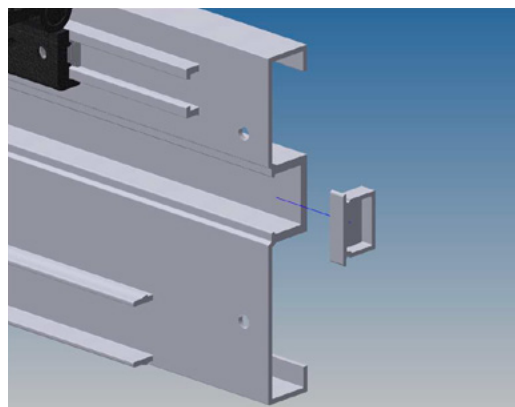
Step 2. Open packaging and inspect parts for damage. Ensure that all parts are provided and correct before beginning any assembly.

2. ASSEMBLING THE FRAME

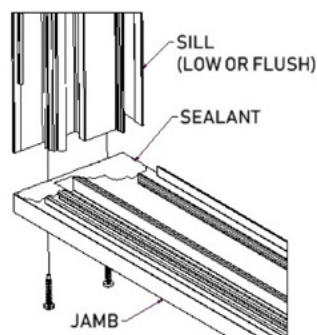
Step 1. Prepare the frame components.

Ensure that the groove cap is secured flush to the bottom of the jambs, apply sealant if necessary.

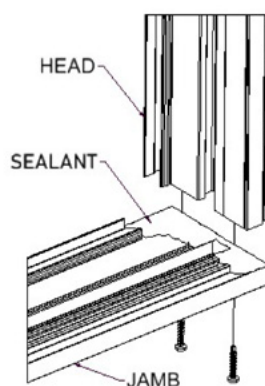
Clean ends of head, jamb and sill (areas that sealant will contact) with denatured alcohol.



Step 2. Run a 3/8" bead of sealant along the bottom interior surface of the jamb. The bead should be in line with the sill assembly and its screw bosses and wide enough to cover the entire meeting surface of the sill. **DO NOT BLOCK OR RESTRICT WEEPS.** Assemble the sill and jamb with #10 tek assembly screws. **Flush sills should be installed separately if jamb sits on top of substrate.**



Step 3. Run another 3/8th bead of sealant along the top interior surface of the jamb. The bead should be in line with the head assembly and its screw bosses. Ensure that the sealant covers the entire meeting surface of the head and assemble with #10 tek assembly screws.



Step 4. Repeat steps 2 and 3 to assemble the opposite side jamb to the frame.

3. INSTALLING THE FRAME

Step 1. Set frame in rough opening.

Step 2. Add shims as required by Product Approval documents around the frame unless job specific engineering is done to qualify differently. Use ONLY plastic, nylon, or composite shims.

Step 3. Remove frame from opening after proper spacing is verified.

Step 4. For proper sealing of the door to the substrate, please reference FMA/AAMA/WDMA documents as required by the Florida Building Code.

Step 5. Set frame in opening on grout or bed of sealant.

Step 6. Shim level from front to back and end to end. Shims are to be installed at all fastener locations.

Step 7. Inspect that the entire frame is true, plumb, level, and square.

Step 8. Fill pre-drilled assembly holes with appropriate sealant before installing fasteners. Install frame in rough opening per Product Approval Documents. Check the assembly again for true, level, plumb, and square.

4. INSTALLING FRAME ACCESSORIES

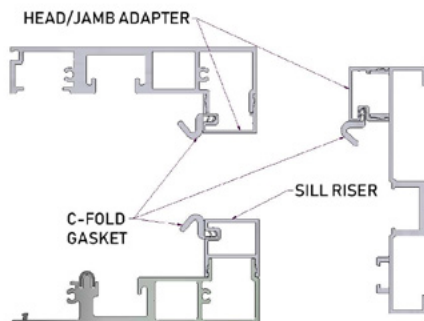
VERY IMPORTANT: Installation must be inspected and approved **BEFORE** installing frame components.

If installing a spliced sill: Sill caps must be adhered in place with silicone along the length of the sill.

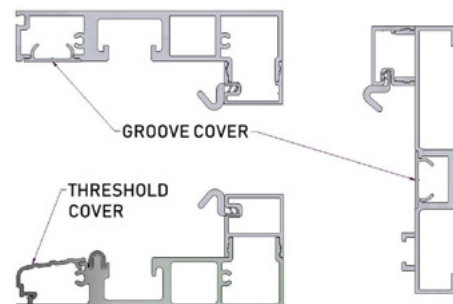
Anchors will not be accessible with groove covers, head/jamb adapters and sill riser in place.

IMPORTANT: If panels are installed from the inside, the head/jamb adapters and sill riser must not be installed at this time. The panels cannot be installed from the inside when these are snapped on.

Step 1. Snap the jamb adapters onto the jambs using a rubber mallet and wood block (to avoid marks or indents from a mallet directly on extrusions). Then snap in the head adapter on the head and snap the sill riser onto sill. Low sill risers are identical to jamb adapters. **Flush sill products do not have a sill riser**



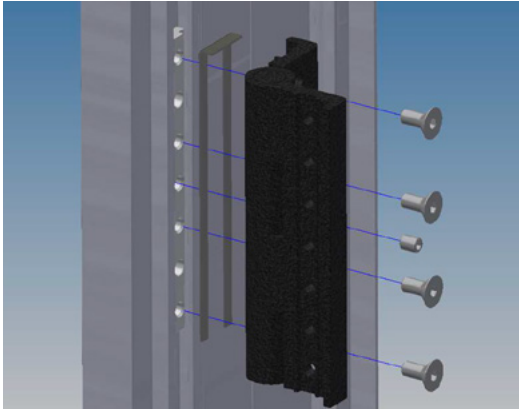
Step 2. Press in the c-fold gaskets around the perimeter of the frame.



Step 3. Slide the groove covers into the jambs, starting at the bottom and working towards the top. Once both jamb covers are in place, repeat for the head. Snap the threshold cover onto the sill (no threshold cover needed for flush sill).

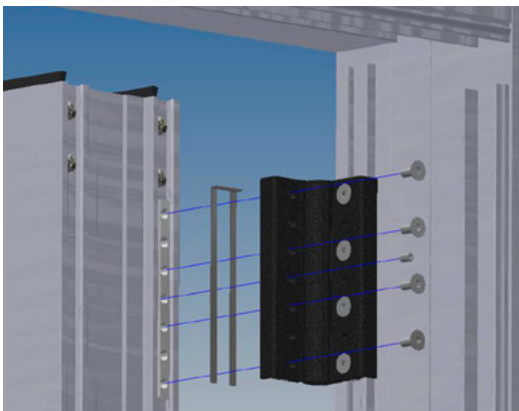
5. PLACING THE PANELS

Ensure that hinges are fastened properly to jamb. Hinge shims may be added or removed for adjustment.

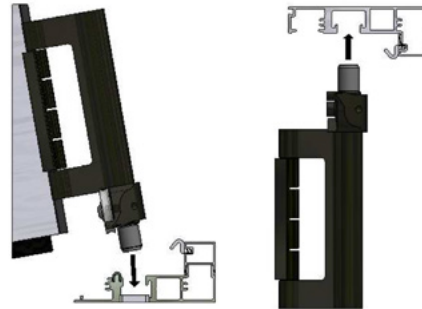


Step 1. Prepare the jambs. Orient hinge at a 90° angle to prepare for the first panel. Check that every hinge includes a 1/32" hinge shim. Ensure the correct quantity of hinges on the jamb:

Three (3) for 8' doors, Four (4) for 10' doors



Step 2. Inspect panels and ensure proper order. Lift the first panel perpendicular to the exterior of the frame. Fasten the panel to hinges with screws and hinge shims.



Step 3. Slide all double panel top guides onto the head at clearance points located at ends of the head. For the folding panel that connects to the first mounted panel, attach the double roller assembly to the panel's bottom hinge plate and fasten hinge screws. Be sure to fasten to the correct side; the glazing bead of the panel should face towards the exterior of the door. Slip the panel into the frame and place the rollers onto the track.



Step 4. Keep the attached panel(s) perpendicular to the frame and connect the panels by fastening hinges. Ensure proper hinge quantities:

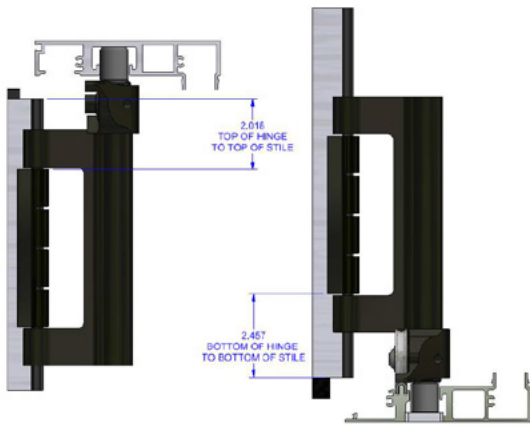
STANDARD HINGE ASSEMBLY:

- **Out-folding hinged stile joint:**
Two (2) for 8' doors, Three (3) for 10' doors.
- **On-track hinged stile joint:**
One (1) for 8' doors, Two (2) for 10' doors.

PULL HANDLE HINGE ASSEMBLY:

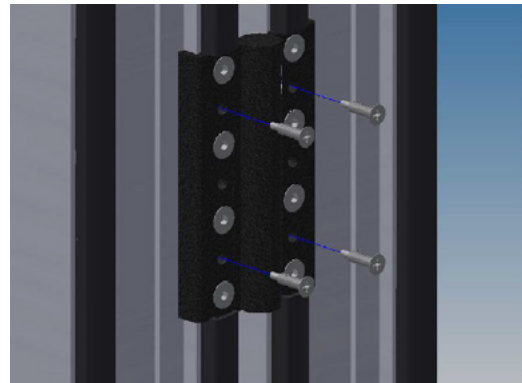
- **Out-folding hinged stile joint:**
One (1), height varies between 8' and 10' doors.

Step 5. Close the door and inspect the fit of all panels.

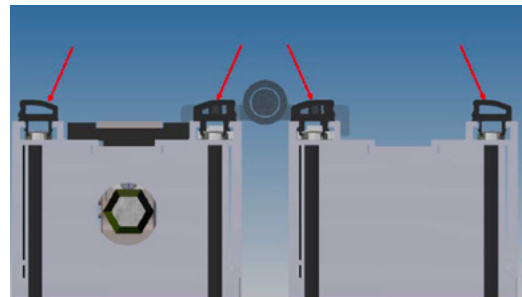


Hinge heights can be adjusted by loosening the set screws on hinge assembly plates. Adjust panel gaps by removing the 1/32" hinge shims **Be sure to remove sash meeting gaskets carefully with a scribe before making hinge adjustments.** Fasten hinges with large screws.

Once adjustments are made, fasten hinges in place with tek screws provided.



Step 6. Continue installing panels according to the steps above until fully assembled. Inspect fit following Step 4 each time a panel is added.

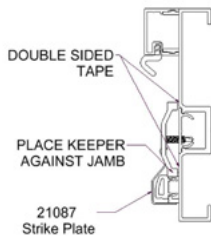


Step 7. Trim and replace any gaskets that may have been removed. Gaskets should be placed so that they contact each other in opposing orientations when closed. Stiles at the break (interlock) are not gasketed on exterior (astragal) side.

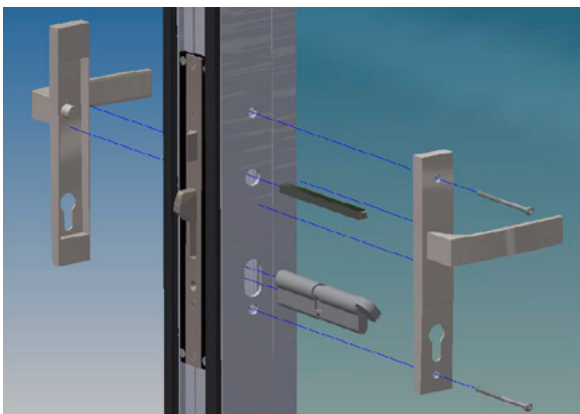
6. FINAL ASSEMBLY AND HARDWARE

Step 1.

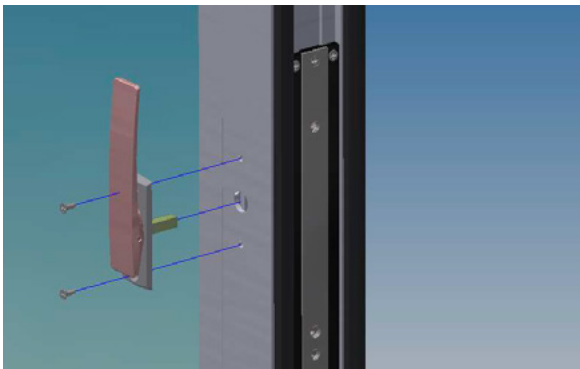
For frame locking configurations:



The keeper will be mounted to the jamb. Check keeper by taping in place and closing the door. Once properly aligned fasten in place with tek screws. Adjust with double sided tape.

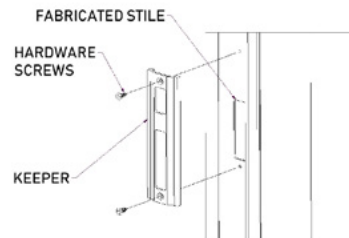


Step 2. Install the lock cylinder and handles with small screws provided.

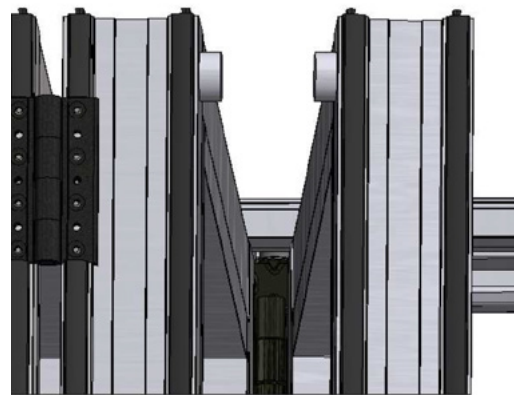


Step 3. Mount the flush handles at out-folding lock stiles so that the handle faces upward in a locked position and faces toward the glass when unlocked.

For panel meeting configurations:



Fasten the keeper with tek screws onto the inactive panel stile at the fabricated keeper holes.



Step 4. A panel catch may be installed to active or inactive panels that fold into two or more panels. To do so, mount the panel catch to the top of the panel on the exterior of the stile closest to the opening. Double sided tape is recommended. Fold the panel and install the second catch where it meets the other panel. The panel catch may also be installed by marking the intended locations and drilling a hole through the mounting side of the top rails and fastening the catch into place with the screws provided.

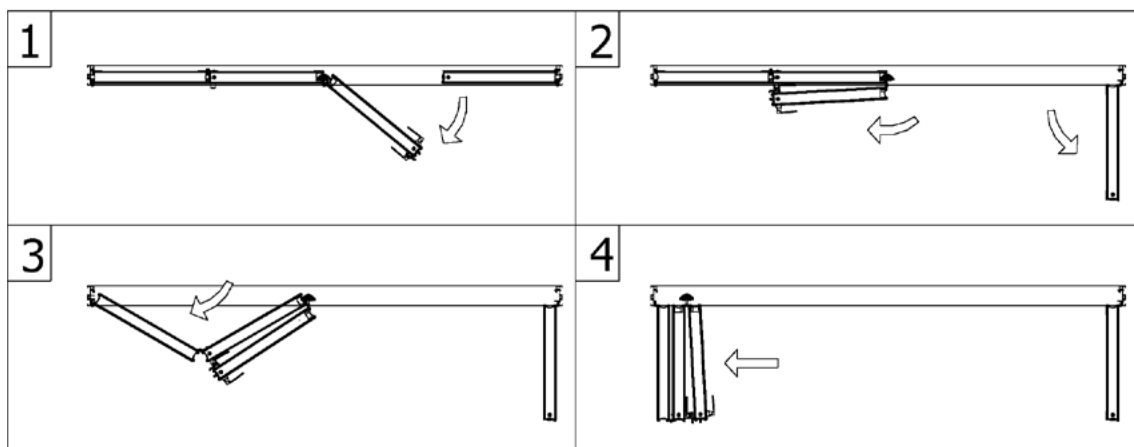
7. INSTALLATION COMPLETE

Verify fit and function. The bifold door should now be completely installed. Should parts need to be replaced, contact your local dealer.

The exterior of door panels, frames, and glass should be washed with a mild cleaning solution of detergent or soap and water. Coastal Conditions require that the panels be cleaned monthly while Non-Coastal areas require cleaning a minimum of twice a year.

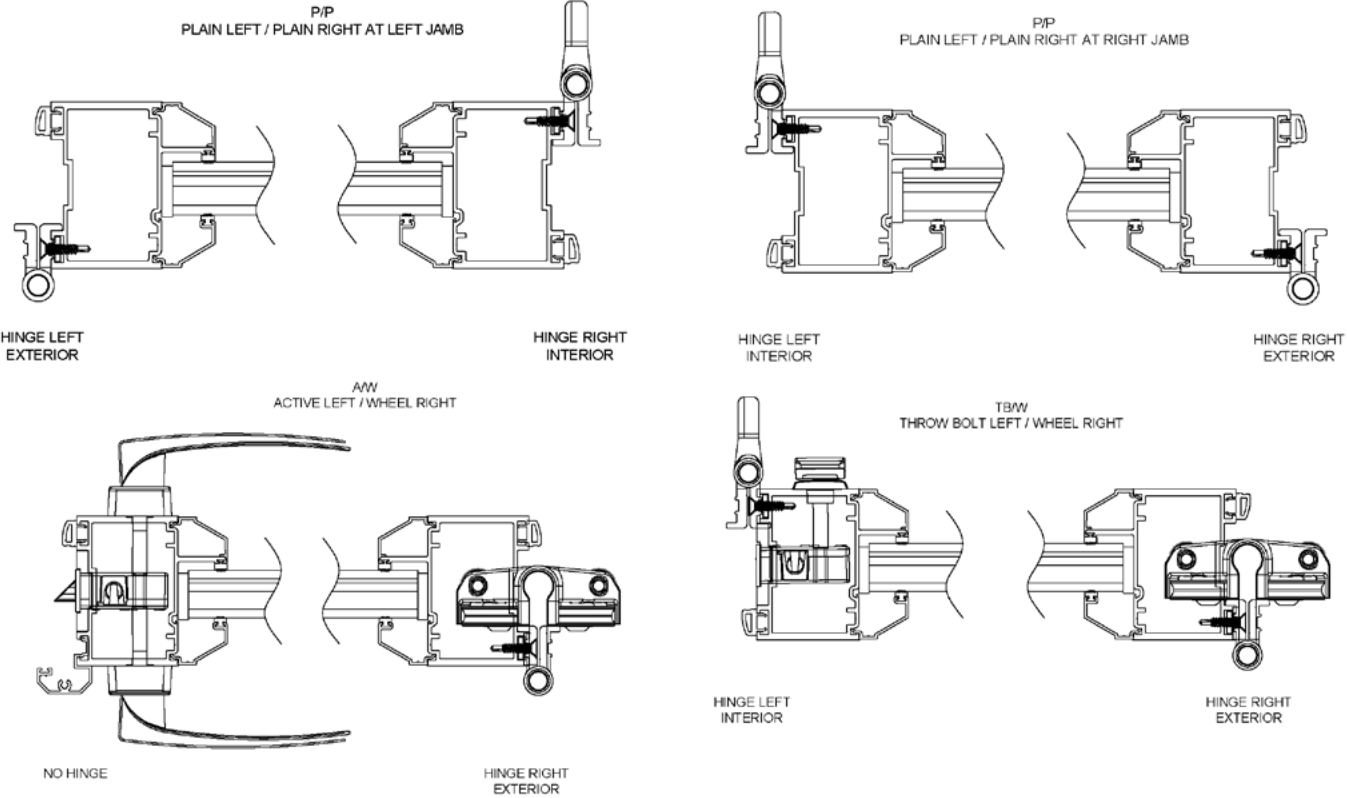
8. AFTER INSTALLATION

- Protect the bifold door assembly from debris, including stucco, drywall, and adhesives. These may build up and clog the rollers and guides.
- Proper operation is recommended to prevent binding when opening and closing the door.
Wheel carriages and guides can drag or become stuck along the track if door panels are folded simultaneously or out of order. To fully open, unlock the primary panels and fold completely. Unlock the following intermediate panels and fold completely, one set at a time until all panels are perpendicular to the frame.

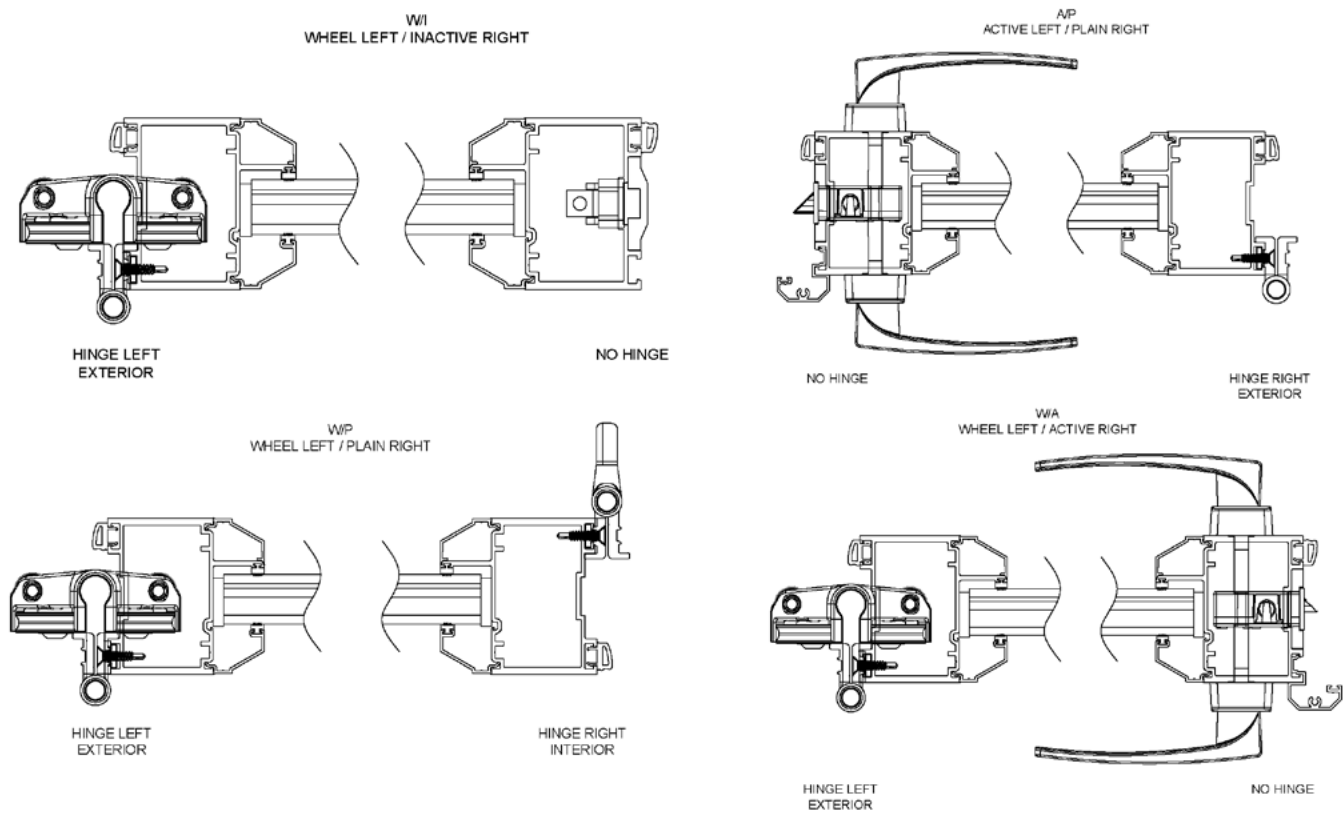


- Keep panels secured when in open positions to avoid damages caused by accidental swinging.
- A light oil or silicone spray may be used to keep thumb turn operating easily. Annual lubrication is recommended.
- The sill track should be cleared of dirt and debris periodically; determine the frequency necessary by visual inspection.
- The exterior of door panels, frames, and glass should be washed with a mild cleaning solution of detergent or soap and water. Coastal Conditions require that the panels be cleaned monthly while Non-Coastal areas require cleaning a minimum of twice a year.

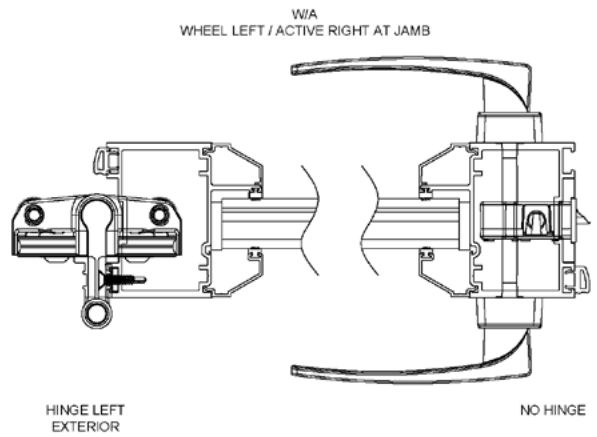
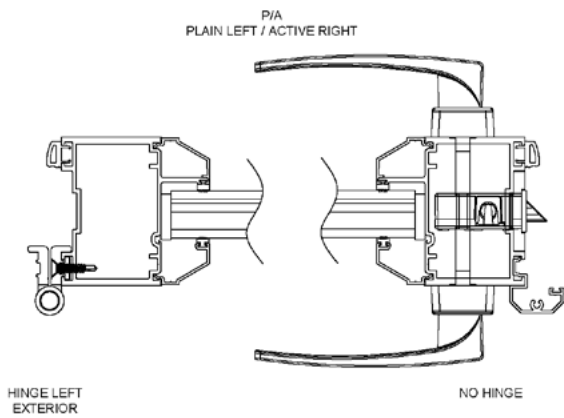
BF1099A/1199A BIFOLD SECTION DETAILS



BF1099A/1199A BIFOLD SECTION DETAILS

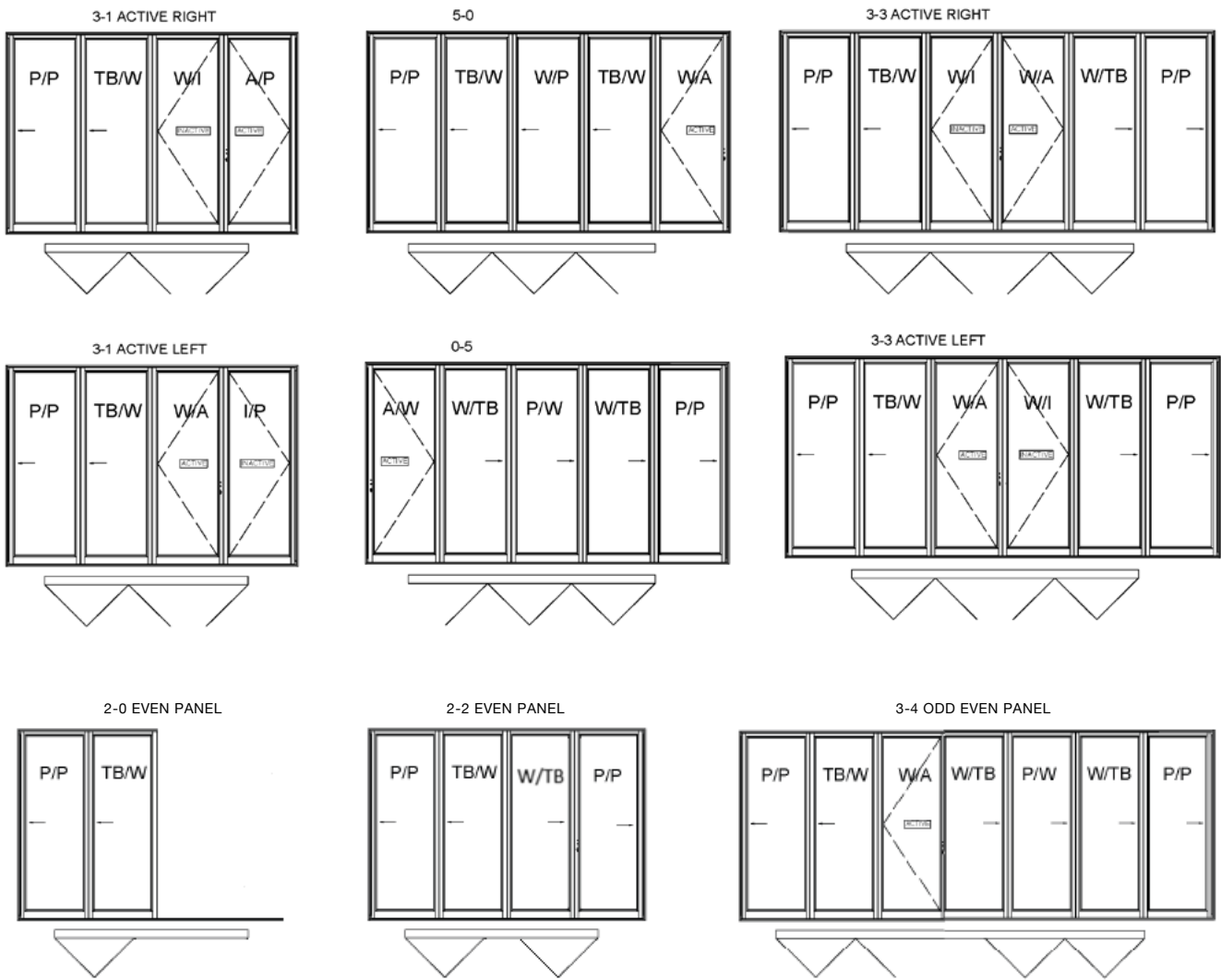


BF1099A/1199A BIFOLD SECTION DETAILS

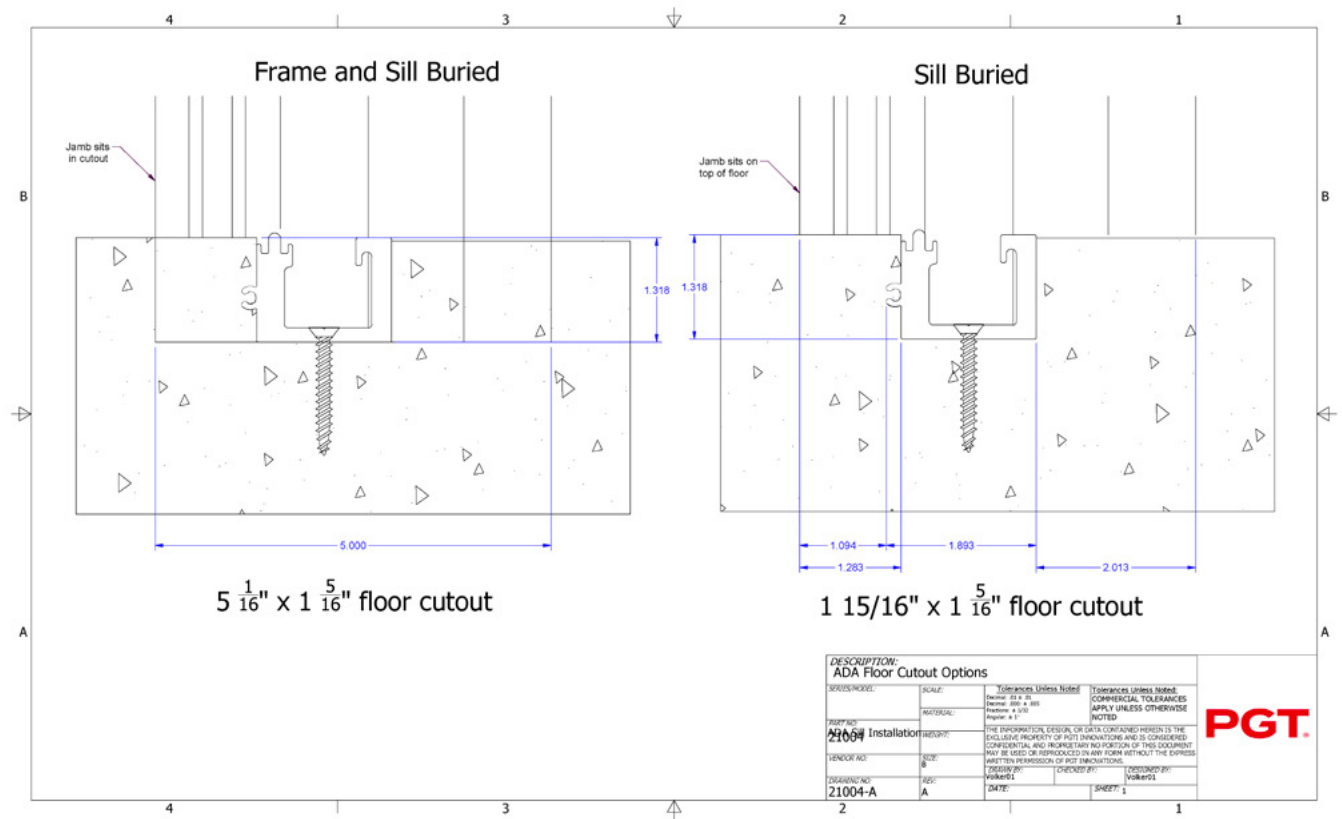


BF1099A/1199A BIFOLD SECTION DETAILS

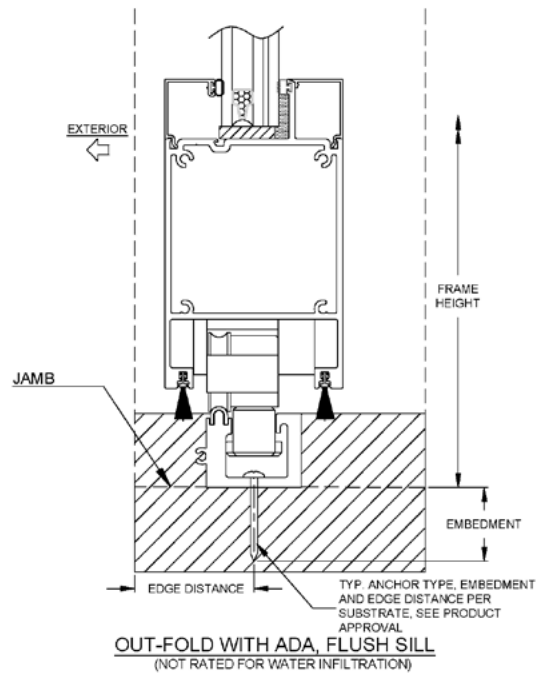
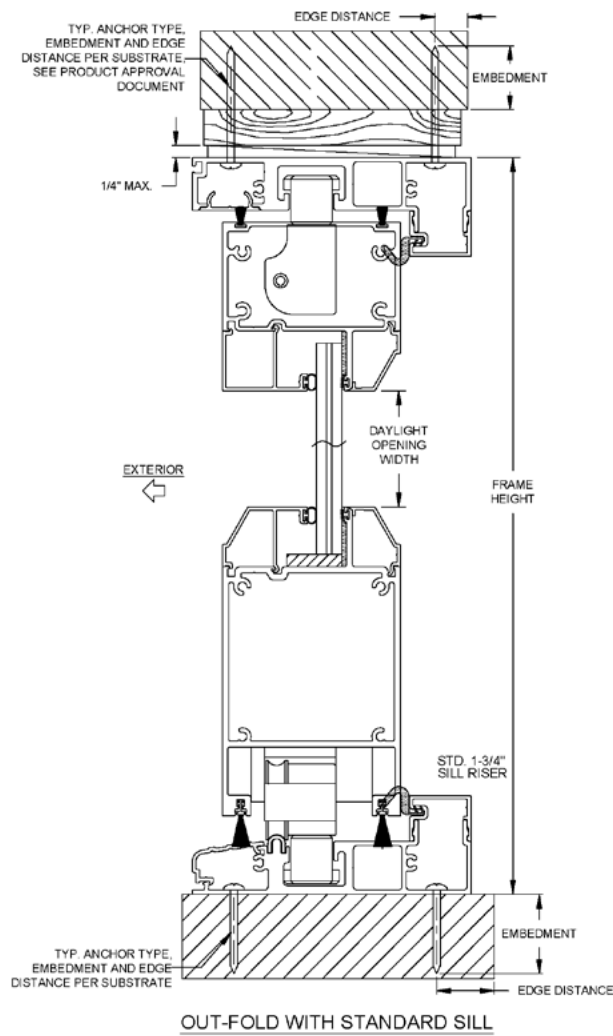
EXAMPLE CONFIGURATIONS (REPRESENTATIVE OF ALL PANEL TYPES)



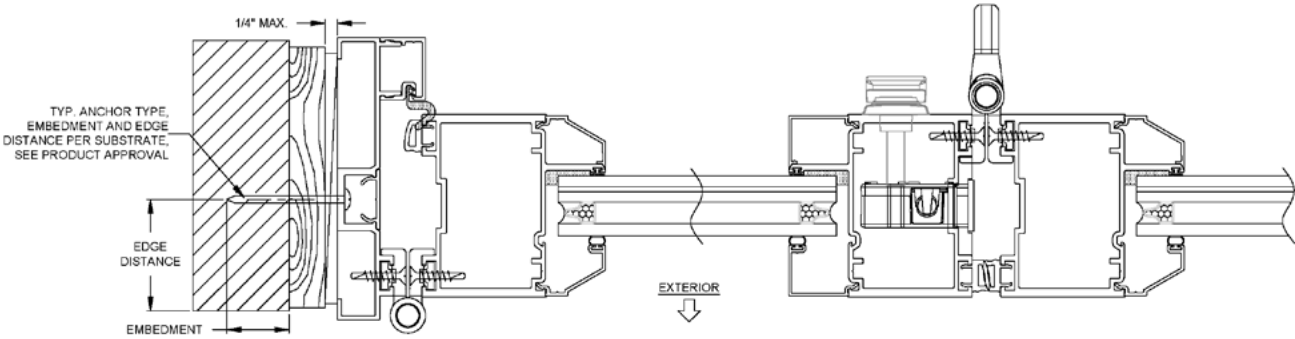
BF1099A/1199A BIFOLD SECTION DETAILS



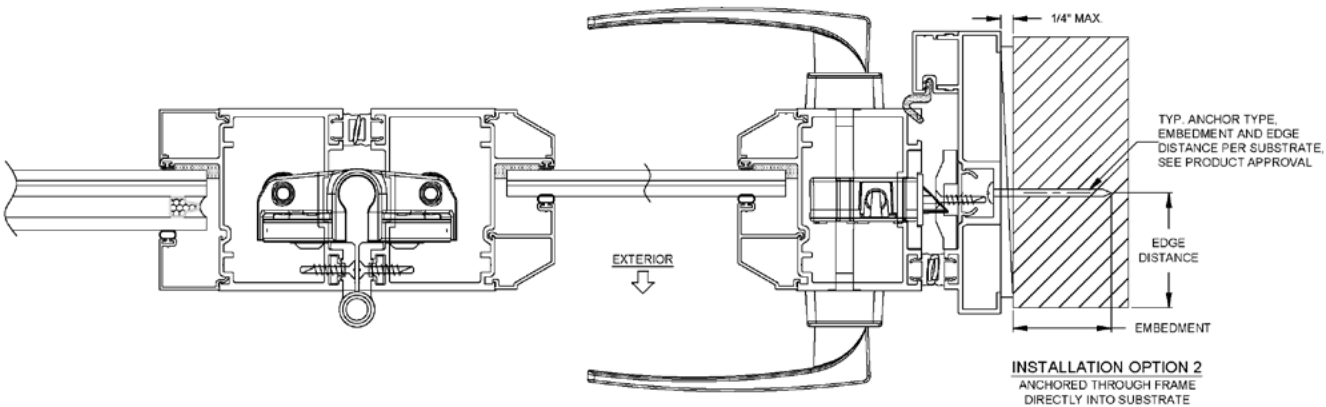
BF1099A/1199A BIFOLD SECTION DETAILS



BF1099A/1199A BIFOLD SECTION DETAILS



INSTALLATION OPTION 1
ANCHORED THROUGH FRAME AND 1X
BUCKSTRIP INTO SUBSTRATE



INSTALLATION OPTION 2
ANCHORED THROUGH FRAME
DIRECTLY INTO SUBSTRATE

ASSEMBLY INSTRUCTIONS



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