Installation Guidelines and Homeowner Warranty

(Waiver Opt-Out Information Enclosed)

FOR BI-FOLD DOORS

Out-swing Folding Door

Installer

- Read instructions completely before attempting installation. Failure to follow these guidelines will forfeit all warranties (written or implied). Windsor Windows & Doors will not be held responsible for any claims or damages resulting from installation.
- Always provide a copy of these instructions to the homeowner.
- Contact your architect or construction professional for installation into other building designs or construction methods.
- Structural support of the sill is required to support the entire sill width, and depth of the sill's interior edge, to the exterior nose of the sill extrusion. If the architect's details do not include this type of structural support, a structural support must be installed and flashed.
- Regional codes and environmental conditions may require installation that is different from these guidelines. It is your responsibility to ensure that local codes and ordinances are followed.

Warning

⚠ **Work Safe!** Always wear proper eye and hearing protection when installing or adjusting Windsor products.

⚠ **Use Power Tools Properly!** To avoid personal injury, always follow manufacturers' instructions for safe operation of power tools.

⚠ **Ladder Safety!** Working at elevated levels can be hazardous. Always use ladders and scaffolding properly. Consult manufacturers' guidelines for safe use of these types of equipment.

Important

- Windsor reserves the right to change the information contained in these guidelines without notice.
- Maintain a minimum of 1/4" between the door frame and any trim, siding or masonry.
- Use of Windsor products in barrier EIFS systems (synthetic stucco) is not recommended. To do so will forfeit all warranties (written or implied). Windsor Windows & Doors will not be held responsible for any claims or damages resulting from water infiltration.
- Steel fasteners will corrode when used with ACQ pressure treated lumber. Use corrosion resistant fasteners (such as stainless steel) when installing doors in or around these types of materials.
- Door nailing flanges and drip caps (integral or applied) do not take the place of door flashing. All windows and doors must be properly flashed and sealed around the perimeter.

Handling and Storage

- Always carry door panels upright. Do not carry flat! Doing so could result in damage to the panels.
- Do not store units outside.

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A Woodgrain Millwork Company

www.windsorwindows.com

Tools Needed

- Safety Glasses 
- Utility Knife 
- Hammer (or nail gun) 
- Caulk Gun 
- Level 
- Ladder / Scaffolding 
- Square 
- Tape Measure 
- Drill / Screwdriver 

Materials Needed

- Backer Rod
  – 1/4"-1/2" diameter closed cell foam
- Insulation
  – Minimally expanding low pressure polyurethane window and door foam
  – Fiberglass batt insulation
- Shims
  – Made of cedar or synthetic material
- Coated Deck Screws
  – 1-1/2" x #8
- Silicone Sealant
  – 100% Silicone
- Flashing
  – Self-adhesive flexible flashing that complies with ASTM-D779
- White Petroleum Jelly (Vaseline®)

LEAD PAINT AND EXISTING WINDOW DISPOSAL:

A) Before any remodel or renovation, make sure to identify any potential lead paint issues and take necessary steps to reduce the risk of lead contamination.

B) The U.S. Environmental Protection Agency (EPA) has issued a “Lead Renovation, Repair and Painting Rule (RRP)” for remodelers of older homes and buildings. This rule requires training and certification in lead-safe work practices for firms performing renovation, repair or painting on homes and child-occupied facilities built prior to 1978.

C) For more information regarding procedures for dealing with lead paint, please visit EPA’s website at **www.epa.gov/lead**.

D) When removing existing windows, make sure to wear appropriate personal protective equipment. Extra precautions should be taken to protect others and property within the vicinity and below the removal window and surrounding components.

E) Consult with local waste authorities on the proper recycling or disposal of old window components.

ATTENTION! This document contains an arbitration agreement and jury-trial and class-action waivers that affect your legal rights. By purchasing, installing or using this product without opting out as provided below, you agree to arbitrate any dispute you may have with Windsor relating to your Windsor products and to waive your rights to a jury trial and to participate in class-action or class-arbitration proceedings relating to any such disputes. **YOU CAN OPT OUT OF THIS ARBITRATION AGREEMENT AND THESE WAIVERS AS SET FORTH BELOW.**

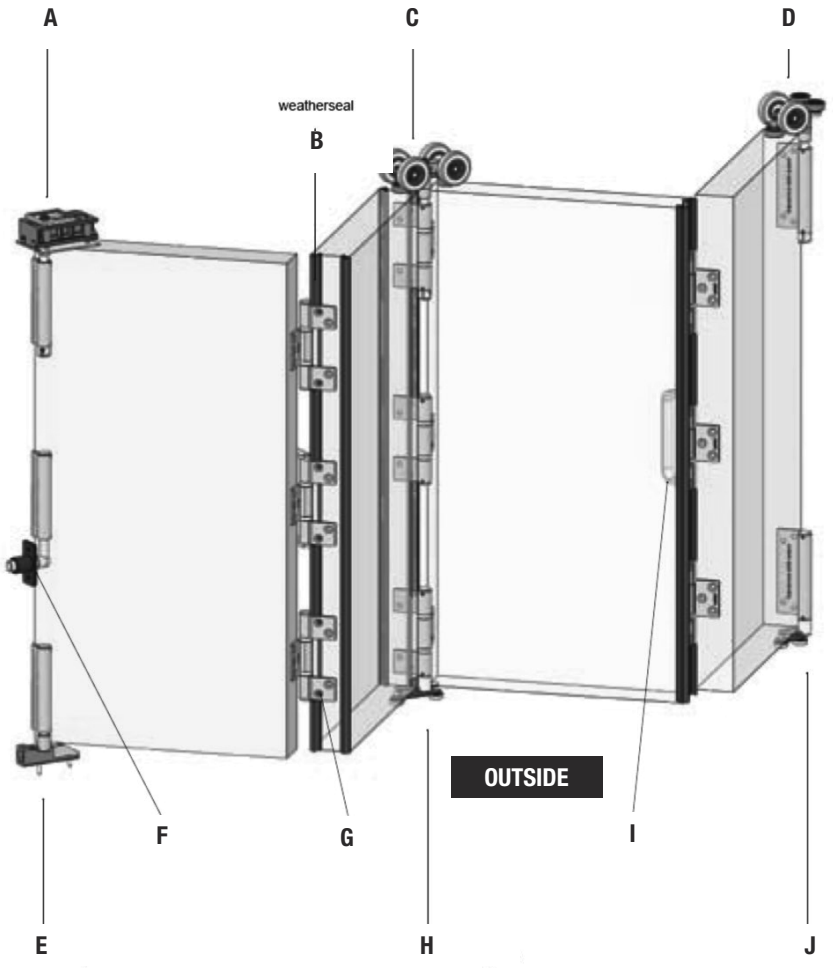


FIG. 1

Bi-fold Door Hardware

A) Top pivot

B) Weatherseal

C) Intermediate carrier

D) End carrier

E) Concealed bottom pivot

F) Wall pivot

G) Hinge

H) Concealed intermediate guide

I) Hinge with handle

J) Concealed end guide

Step 1: Confirm Structural Integrity

A bi-fold door has different requirements for installation and rough opening preparation than other door systems. The panels in a folding door are top hung, which means the structural header above the door must support the weight of the door. In addition, other applied loads, such as live loads and snow, load must not cause the header to deflect to the point where it interferes with the door operations. The maximum deflection from live loads shall not exceed 1/8" at mid span. If there is uncertainty about the stiffness of the structural header, please consult a licensed structural engineer.

Step 2: Inspect Unit

Before Installation:

A) Remove all shipping packaging material (blocks, pads, protectors, stretch wrap).

B) Inspect unit for any damage or defects.

C) Check all parts received against the packing list to ensure all required parts are present. (Fig. 1)

D) Contact the nearest Windsor distributor if there are any problems.

Step 3: Prepare Rough Opening

A) Measure and verify the size of the rough opening. The rough opening should be 1/2" larger than the frame in both width and height.

B) Verify the rough opening is plumb, level and square. (Fig. 2)

C) Take diagonal measurements to check for square. (Fig. 2)

D) Make sure the bottom sill area of the opening does not slope toward the interior.

E) Make sure that the sill area is straight and level over its length.

F) Join multiple (horizontal) layers in the header with screws or other fasteners that are resistant to pull-out.

G) Cut the weather-resistant barrier (WRB) in a “Modified I” pattern. (Fig. 3)

H) Fold back the WRB on the sides and sill toward the interior and staple into place.

I) From the exterior, cut the top of the WRB to form a flap. (Fig. 3)

J) Temporarily tape this top flap up. (Fig. 4)

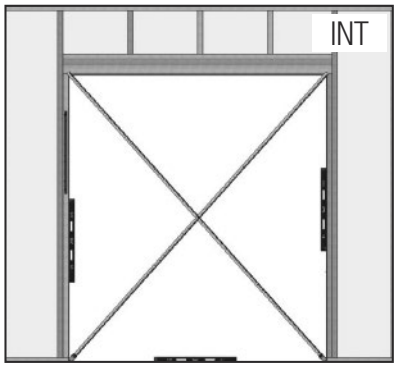


FIG. 2

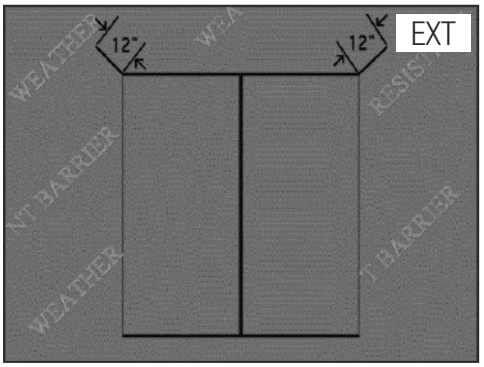


FIG. 3

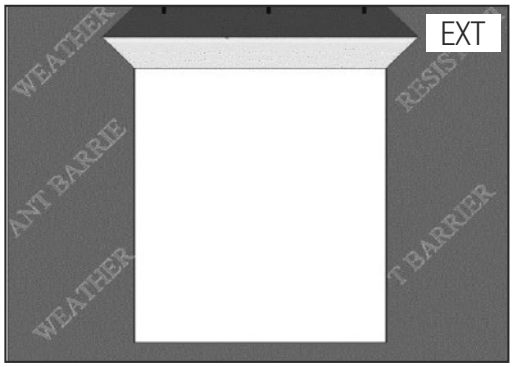


FIG. 4

Step 4: Flashing the Subfloor

A) **IMPORTANT:**

a. Use flashing that is 6" minimum in width.

b. Flashing must meet ASTM-D779 performance requirements.

c. Adhesive or mechanically fastened flashing may be used.

B) Measure the width of the rough opening. Cut a length of flashing that is 12" wider than the rough opening. This will allow you to run the flashing 6" up each side. (Fig. 5)

C) Cut 1-1/2" slits at each end of the flashing. (Fig. 5)

D) Apply sill flashing to the rough opening. (Fig. 6)

E) If you are using non-adhesive flashing:

   a. Staple flashing into place.

   b. Seal corner notches using 100% silicone sealant.

F) Flashing tape must cover the entire sill plate. If needed, apply an additional flashing piece over the first one (start from the exterior and work toward the interior). Maintain a minimum 1" overlap. (Fig. 7)

G) Apply two continuous, straight beads of 100% silicone sealant to the subfloor to seal the sill to the subfloor. (Fig. 8 & 9)

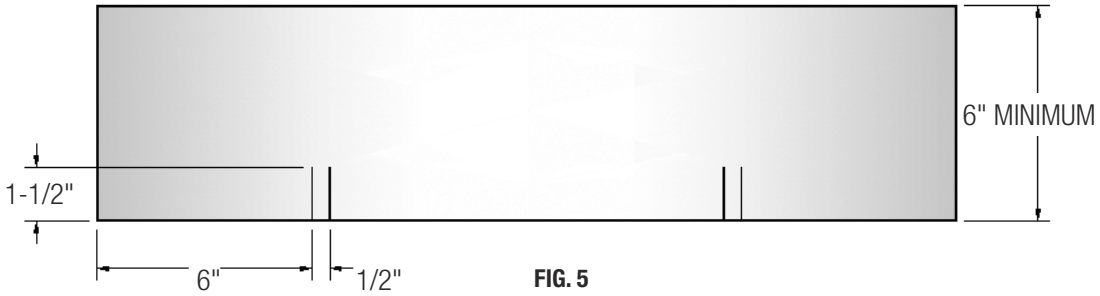


FIG. 5

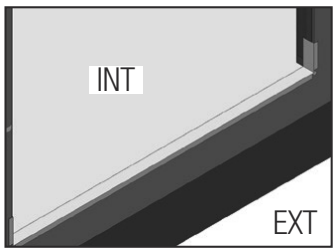


FIG. 6

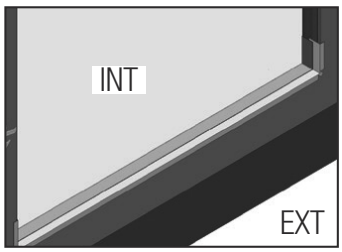


FIG. 7

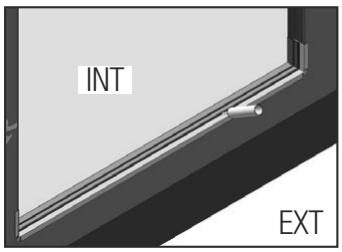


FIG. 8

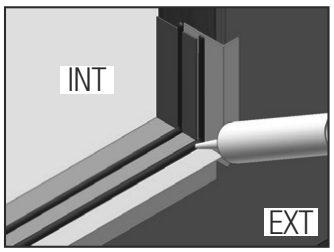


FIG. 9

Step 5: Frame Assembly

A) Remove all packaging material (blocks, pads, protectors, stretch wrap)

B) Inspect and verify the following:

   a. The door is the correct size and specification.

   b. The unit is free from any damage or defects.

C) Contact the nearest Windsor distributor if there are any problems with Step B above.

D) Attach one gasket to each end of sill before attaching jamb. Attach the jambs to the sill with the 2-1/2" x #8 screws provided. (Fig. 10)

E) Apply 100% silicone sealant to the end of the head track assembly, attach the jambs to the head with the 2-1/2" x #8 screws provided. (Fig. 11)

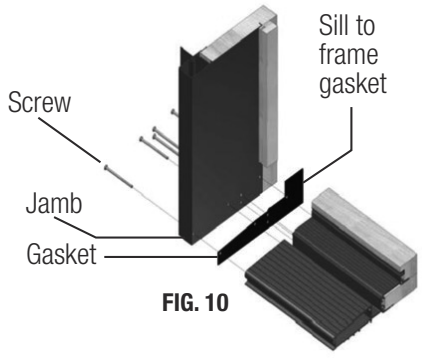


FIG. 10

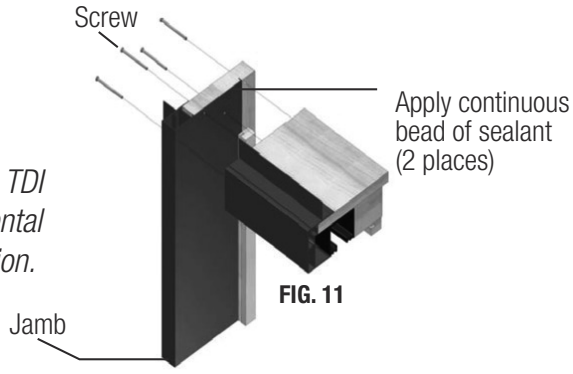


FIG. 11

Step 6: Frame Installation

For Impact-rated products and/or any products installed in the Florida or Texas TDI regions, supplemental anchoring methods may be required. Refer to supplemental instructions attached to unit or www.windsorwindows.com for further information.

A) Apply sealant:
   a. Cut an “L” shaped piece of flashing tape and apply over the nailing fin open corner between the jamb and head.
   b. Apply a 1/4" diameter bead of 100% silicone sealant along the backside of the nailing flange.
   c. Bead must run continuously around both sides and across the head.
   d. Apply flashing tape over nailing fin corner joint. (Fig. 12)

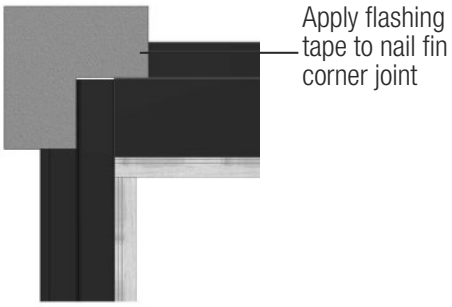


FIG. 12

B) Set the frame in the opening. Mark the location where the wall pivot cup will contact the rough opening. Drill a 1" hole approximately 3/4" deep into the rough opening to accommodate the cup plus some adjustment allowance.

C) Set the frame into the rough opening. Center the frame in the opening, making sure there are equal gaps on both sides of the frame.

D) Temporarily tack the frame into place using 1-1/2" x #8 coated deck screw on one top corner of the nailing flange.

E) Check the unit for square using diagonal measurements. Shim frame to ensure the unit is square. Check the unit for square. The difference between the diagonal measurements shall not exceed 3/16". (Fig. 13)

F) Screw all four corners in place through the nailing flange using 1-1/2" x #8 coated deck screws.

G) Make sure jambs, head and sills are straight. Additional shimming will be required.

H) Shim jambs at each corner, at each well pivot and in line with each panel hinge elevation. Place enough shims so that there is no more than 24" between any two shims. See Fig. 14 for minimum shim placement.

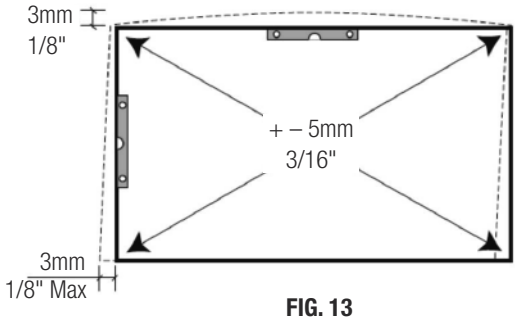


FIG. 13

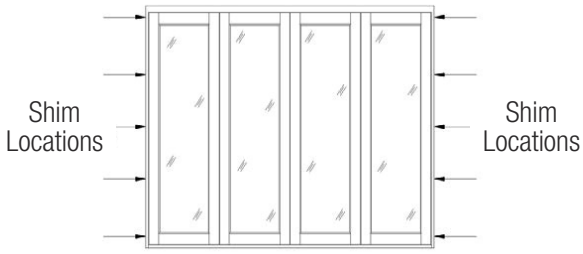


FIG. 14

I) Shim between the top track and header at each pre-drilled screw hole in the top track. Screw the top track to the structural header using the 3-1/2" x #10 screws provided. Place a screw in each of the screw holes provided. The screw holes are closer together near the ends of the track. NOTE: The top track may be near the edge of the structural header; in this case the screw holes are angled to help guide the screws into the header. Screws MUST be driven into the header to ensure proper positioning and fastening of the frame. The 3-1/2" screws provided are only a suggested size. Ensure the screws penetrate at least 1-1/2" into the structural header that carries the weight of the door.

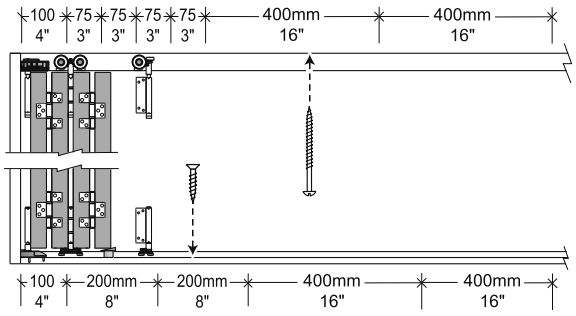
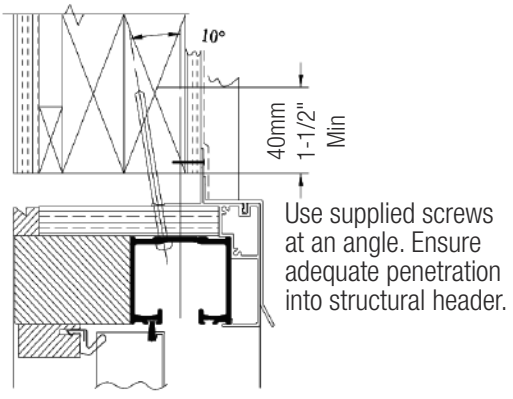


FIG. 15



Head diagram

J) Ensure that the sill and the top track are level and parallel. The top track cannot bow downward, but may bow upward up to 1/8". To screw the sill to the subfloor, drill a countersunk hole through the sill in line with the flush bolt cups and ensure the screw is well seated in the countersink.

K) Finish screwing the door into place through the nailing flange with 1-1/2" x #8 coated deck screws, placing screws within 4" of each corner and no more than 8"-10" in between each screw. Only fiberglass batts are recommended for insulating above the door frame. Use of foam sealants may distort the frame. (Fig. 15)

L) Clean inside of top track cavity and completely remove all metal shavings and other contamination. Failure to do so will embed debris into the wheels and track profile.

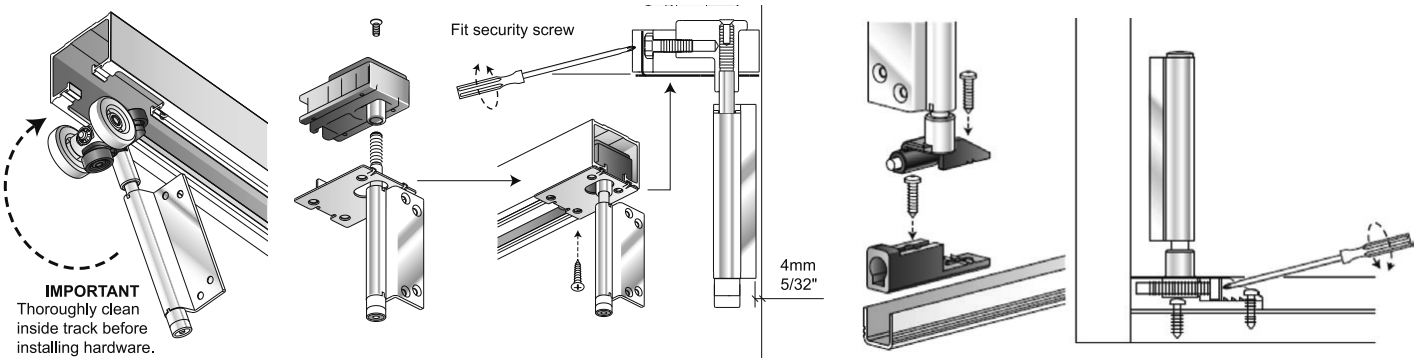
Step 7: Hang the Panels

A) Refer to the hardware quantities and assembly order provided in the unit packing list. Note carrier locations and orientations.

B) Insert the carriers and top pivot assemblies into the clean head track in the order shown on the packing list. Make sure carriers are installed in the correct orientation.

C) Secure each top pivot assembly into the top track with the flat head screws provided.

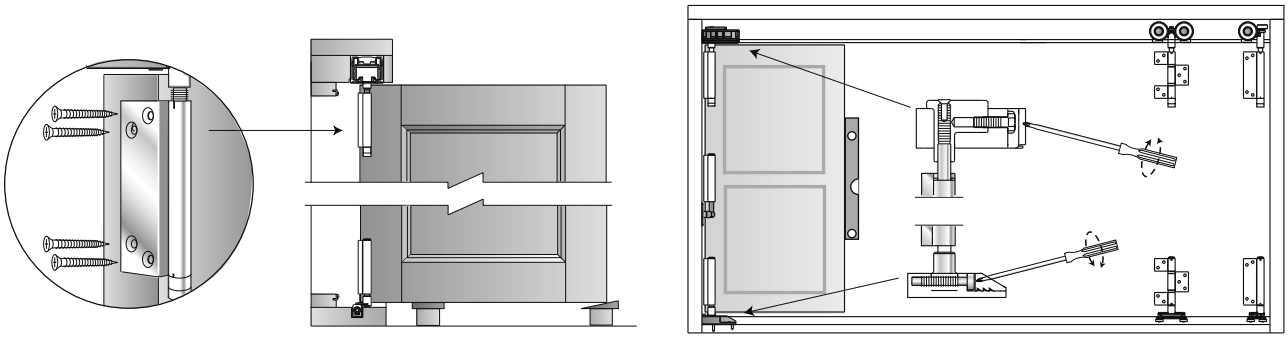
D) Install and secure each bottom pivot assembly into the sill track with the flat head screws provided.



E) Once more, thoroughly clean the extruded aluminum head track and remove any debris. Lubricate the track and the wheels with a small quantity of white petroleum jelly (Vaseline). This will improve smooth operation, and help to preserve the bearings and track. Check that the carriers move freely along the full length of the track.

F) **NOTE:** For ease of installation, each panel has been numbered on the bottom of the panel. Panels are always numbered from left to right when viewed from the exterior. The recommended order of panel installation is shown in the packing list and may be different from the panel numbering.

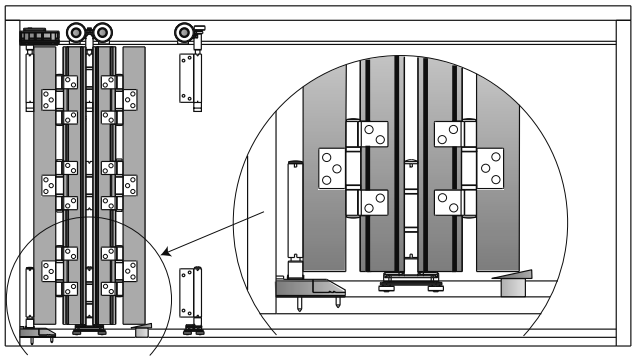
G) Set the door panel closest to the jamb in the open position (or 90 degrees to the opening) on supporting shims. The bottom edge of door panel should be level and at the sill height, or slightly above. Make sure the wall pivot is placed into the hole provided. Screw the top pivot hinge into the predrilled holes on the door. Screw bottom hinge into door. Adjust the top and bottom pivot so the panel is plumb.



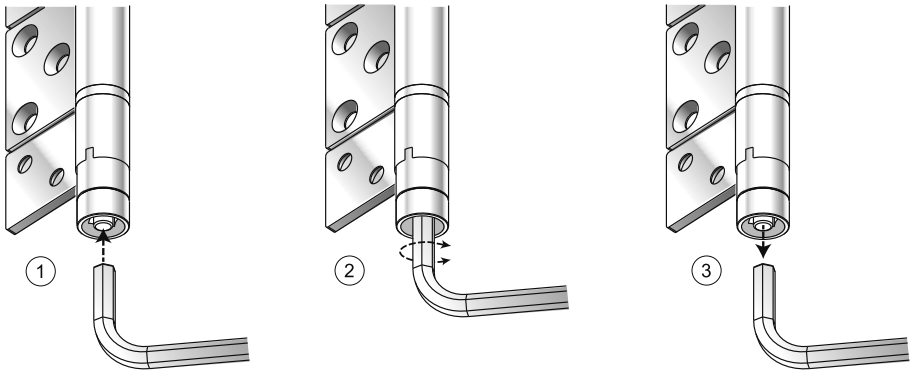
H) Continue adding panels, working from the side jambs toward the middle, placing the hinge screws and carrier hinge screws into the predrilled holes.

I) Open the door panels and adjust all the carriers vertically with a 8 mm Allen Key to set the top edges of all panels straight and flush.

J) Test-operate all door panels. Inspect the gaps at the end panels while the doors are closed. If the gaps are uneven, open the doors and adjust the horizontal screw on the top and bottom pivots. Fine-tune and adjust until the doors operate smoothly, and the gaps are even and acceptable.



K) Turn the carrier pin to engage the SureLock™.
IMPORTANT: Check that all the SureLock pins are engaged, or door will fall out of adjustment.



L) Snap bottom pivot caps into place.

M) The gasket has adhesive on both sides for sealing purposes.

Step 8: Install Head Drip Cap

A) Apply a 1/4" continuous bead of 100% silicone sealant to the top of each joint where the jambs meet the head. (Fig. 16)

B) Apply a 1/4" continuous bead of 100% silicone sealant to the backside of the drip cap nailing leg. Install the drip cap flashing across the top of the door. Secure it to the framing using galvanized roofing nails near the top of the vertical leg. (Fig.17)

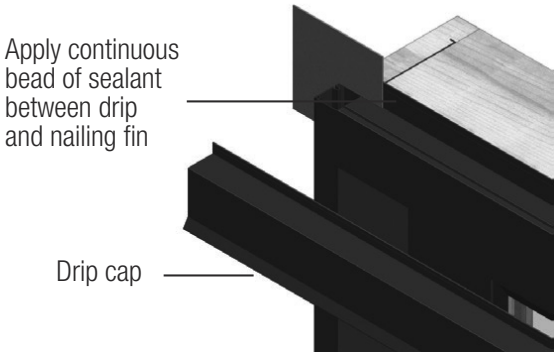


FIG. 16

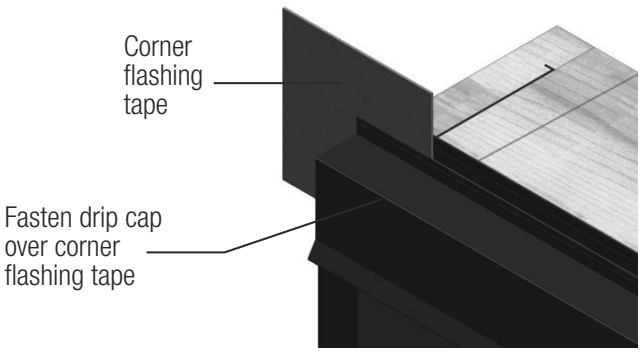


FIG. 17

Step 9: Complete Flashing

A) Cut and apply side flashing. Side flashing should run from the bottom of the sill flashing to 8" above the rough opening. (Fig. 18)

B) If non-adhesive flashing is used, make sure all staple holes are sealed with silicone.

C) Cut and apply head flashing. The head flashing should be on top of the drip cap flashing. The head flashing should run slightly past the edge of the side flashing. (Fig. 19)

D) Flip down the top flap of the WRB.

E) Tape the cut seams of the WRB. (Fig. 20)

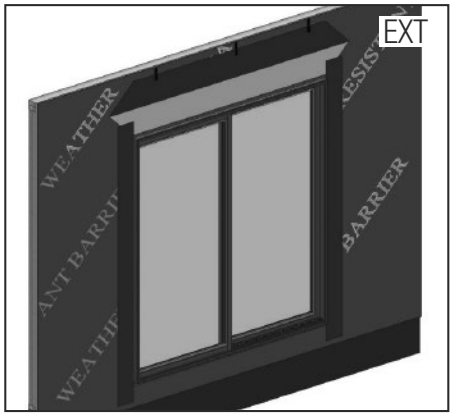


FIG. 18

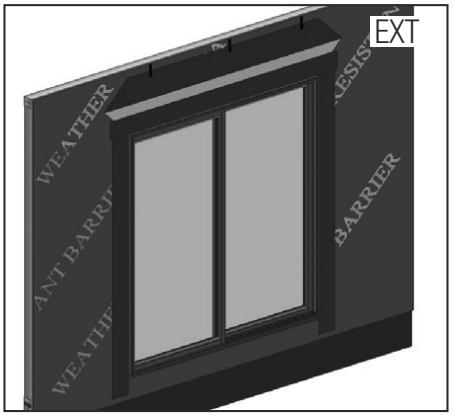


FIG. 19

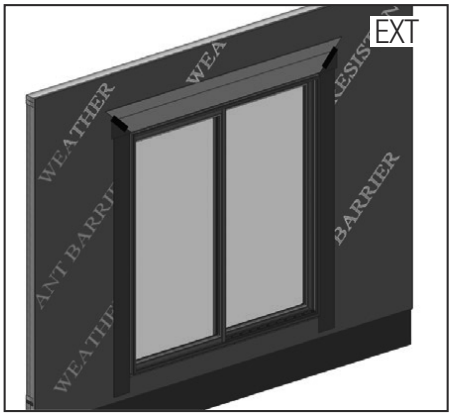


FIG. 20

Step 10: Seal the Exterior

A) **WARNING:** Maintain a minimum of 1/4" between the door frame and any trim, siding or masonry. Failure to do so will forfeit all warranties (written or implied). Windsor Windows & Doors will not be held responsible for any claims or damages resulting from failure to follow these instructions.

B) After siding or wall exterior is complete, apply backer rod and sealant between the door frame and siding material on both sides and sill. Make sure to use 100% silicone sealant. (Fig. 21)

Step 11: Complete the Interior

A) Remove all labels or shipping materials.

B) Various hardware adjustments may be required after installation. See the Care and Use Guide at www.windsorwindows.com for further details.

C) Insulate between the door frame and the rough opening using minimally expanding window and door spray foam insulation, and fiberglass batt insulation if needed. Use caution to not overfill the gap causing the jambs to bow. It is not recommended to apply trim to the unit until the foam has cured to allow the excess to escape. (Fig. 21 & 22)

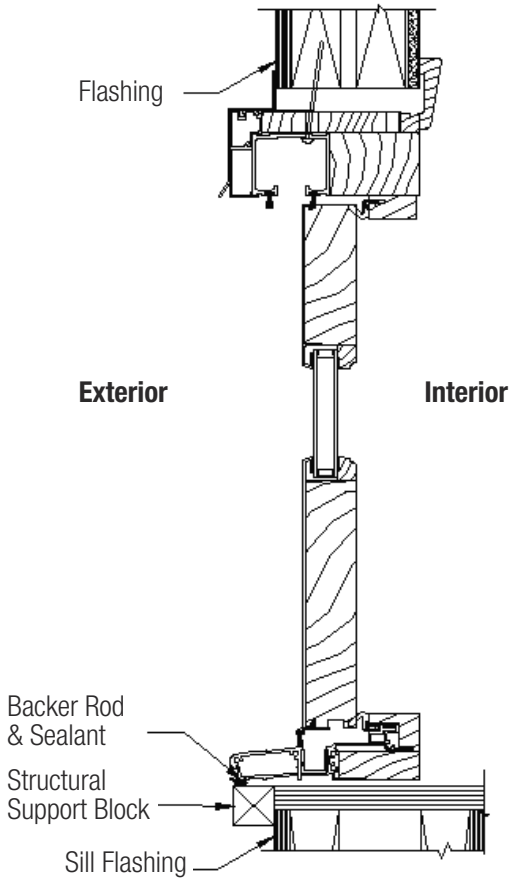


FIG. 21

D) Operate door unit to ensure proper operation. The panel will not operate correctly if the door is out of square, over-shimmed or over-insulated.

E) Properly finish all wood/cellular PVC interior and exterior components within 60 days of installation. See the Care and Use Guide at www.windsorwindows.com for further details on finishing bi-fold doors.

F) **IMPORTANT:** Do not stain or paint any hardware or vinyl components.

G) Apply the handle set as appropriate per manufacturers' recommendations. Complete final adjustments as necessary. Note: A door with an even number of panels on each side (i.e. 2L-2R, 2L-4R) will not have a handle set and therefore it cannot be opened from the exterior.

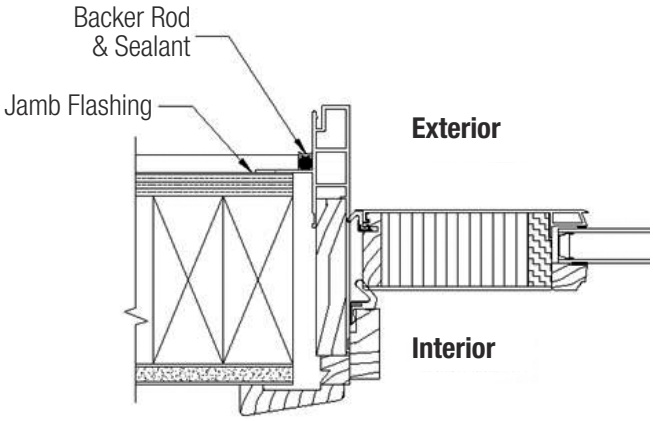


FIG. 22

H) Sliding and swinging doors are to remain closed and locked during construction to prevent site conditions from damaging and/or warping panels and frames. Allow 10-12 weeks from project completion for building temperature and humidity levels to stabilize and door panels to acclimate.

CAUTION! READ BELOW BEFORE PAINTING

When painting cellular PVC products with darker paint colors (L values of 56 or below) UV irradiance can generate high localized temperatures in the product.

WARNING: Painting of any cellular PVC surface with a paint color darker than L value of 56 (where black = 0 and white = 100) will forfeit the product warranty.

If you should, despite the above warning, choose to use darker colors for cellular PVC paint, a paint specifically designed for these applications MUST be used. Contact the paint manufacturer to verify the paints reflective properties and the suitability for painting cellular PVC.

If you have questions regarding the installation or adjustment of your Windsor products, please contact Windsor Windows & Doors directly at 1-800-218-6186. You may also complete and submit the form on the Contact page of our website (www.windsorwindows.com/contact-us) and one of our window specialists will promptly answer your question. On our website, you will also find Care and Use Guides to assist you in preserving your windows and patio doors.

Care and Use

An inspection of your doors should be made annually. Visit the Windsor website (www.windsorwindows.com) or contact your local independent Windsor distributor for information on the care and use of your product. Ask for the Care and Use Guide, which contains information on finishing, cleaning, what to look for during yearly inspections, general maintenance tips, sash/panel adjustment, sash/panel removal, screen removal and information on condensation.

PINNACLE – Limited 20/10 Warranty

Optional Extended-Life 30-year Exterior Aluminum Finish Warranty

Windsor Windows & Doors, as manufacturer, warrants from the date of manufacture that all Pinnacle windows and patio doors will be free from defects in materials and workmanship that significantly impair their operation and proper usage, subject to conditions and limitations within. This warranty is transferable to subsequent structure owners, up to the time limits of the warranty. To achieve optimum performance from your Windsor products, and to preserve the warranty, please refer to the Windsor Care and Use Guide on our website, www.windsorwindows.com.

Windsor would like to thank you for selecting our Pinnacle products. We are confident that they will provide you with comfort, aesthetics and value for many years to come. As with any product warranty, there are certain limitations and disclaimers that must be included so that all parties are assured that the product is being installed and used properly. Our intent is to make this warranty as clear and user-friendly as possible

Pinnacle products carry a "Limited 20/10 Warranty," which provides coverage against insulated glass seal failures for 20 years and coverage for workmanship and materials for 10 years. In addition, we are now introducing optional extended-life exterior aluminum surface finishes that extend the warranty on such finishes to a period of 30 years (see #2 for details).

There are five primary components to Pinnacle products, and the assurances and warranty provisions are specific to each:

1. **Insulated glass used in Pinnacle products: 20 years** – Windsor warrants that, from the date of manufacture, and under normal conditions, the insulated glass will not develop any material visual obstructions as a result of premature failure of the insulated glass seal. If a failure of seal occurs, Windsor will provide replacement insulated glass only, for 20 years free of charge. Replacement glass will be shipped F.O.B. factory. *NOTE: There is no coverage for any associated costs, such as installation, disposal or refinishing.*

2. **Exterior aluminum surface finishes**
   AAMA 2604: Standard finish – 20-year warranty*
   AAMA 2605: Optional upgrade – 30-year warranty*
   Anodized: Optional upgrade – 5-year warranty, no warranty for coastal applications*

   - Warranty: Windsor warrants that exterior aluminum surface finishes, when exposed to normal atmospheric conditions, will not peel, check, crack, blister, flake or lose adhesion. This warranty begins on the date of manufacture. Please be aware that exterior aluminum surface finishes will weather and fade over time in any environment. Weathering, chalking and fade will vary depending on conditions, such as exposure to heavy salt spray environments, airborne pollution, elevation, orientation, altitude and other atmospheric conditions. To prolong the life and appearance of the finish coating, it is required that exterior cladding be cleaned and maintained according to a scheduled maintenance program. If paint failure should occur, Windsor reserves the right to determine the best method for corrective action.
   - See Windsor's website, www.windsorwindows.com, for cleaning and maintenance instructions; also refer to AAMA 610.1-79. Windsor's website has additional information about each of the available finishes.

   * Coastal applications: Applies where units are installed within one mile of the coast. For all finishes except anodized, warranty period is limited to 10 years for these applications.

3. **All other parts and components: 10 years (including, but not limited to, such items as weatherstrip and hardware)** – Window and door hardware components are usually manufactured by others and purchased by Windsor for use in our products. Windsor warrants its Pinnacle hardware components, under normal conditions, against premature component failure that substantially impairs the operation or performance of the part or component. In the event of such a failure, Windsor will provide no-charge replacement parts for 10 years from date of manufacture of the Windsor product. Since Windsor purchases many of these parts and components from others, Windsor cannot guarantee that the exact model or design will be available in the future, and usually, the current model will be provided. *NOTE: There is no coverage for any associated costs, such as installation, disposal or refinishing.*

4. **Window Sash Opening Limiting Devices**
   - Always refer to applicable building codes when considering the purchase, installation and application for use as a Window Opening Control Device (WOCD). Also, refer to ASTM F2090-10 for additional information.
   - If Window Sash Opening Limiting Devices are going to be installed, carefully follow all information provided with the Window Sash Opening Limiting Devices, including installation, operation and safety information. *Proper installation of Window Sash Opening Limiting Devices, pursuant to applicable building codes, ASTM F2090-10, and the included installation information, along with application of tags/labels including the safety instructions left attached for the homeowner, allows these devices to be used as Window Opening Control Devices.*
   - Supervision is still required around windows where Window Sash Opening Limiting Devices have been installed.
5. **Painted interior finishes: Two years** – Windsor warrants that under normal conditions, factory-applied interior paint will not peel, check, crack, blister, flake or lose adhesion for a period of two years from date of manufacture. If Windsor determines, subject to the terms and exclusions of this warranty, that a paint failure has occurred, Windsor shall, at its sole discretion, determine the best method for corrective action, which usually includes one of the following: 1) refinish all or a portion of the product; 2) furnish, at no charge, a replacement component part; or 3) refund the original purchase price of the item in question. ("Interior primed only" products are **excluded** from the interior factory-applied paint warranty.)

The remedies provided in this limited warranty will be forfeited by the occurrence of any of the following conditions:

- Improper installation of the window or door unit. (Installation instructions are factory applied on each unit.)
- Improper installation of multi-slide door unit. Windsor requires an outdoor overhang depth (extended out beyond the face of the door) equal to or greater than the frame height of the multi-slide door. The overhang width must be at least equal to the width of the door.
- Failure to properly finish/protect/maintain windows, doors and their components within 60 days of installation will forfeit any and all warranties for finishes, as well as warranties applicable to materials and components related to the finish. Failure to properly finish/protect wood components, CPVC components and/or all interior surfaces within 60 days of installation according to finish manufacturers' recommendations and industry standard finishing methods. Failure to properly maintain any and all finishes, interior or exterior, including finishes applied to components made from CPVC, wood, vinyl or aluminum. (See Windsor's Care and Use Guide at www.windsorwindows.com.)
- Damage caused by acts of God or some other cause outside Windsor's control.

WARNING: PAINTING of cellular PVC or any PVC surfaces with a paint not specifically formulated for PVC materials will forfeit the product warranty.

WARNING: PAINTING of cellular PVC or any PVC surfaces with a color darker than L-56 (on the scale where 0=black and 100=white), even with a paint specifically formulated for PVC, will forfeit the product warranty.

- Conditions that exceed the design parameters of the windows.
- Improper removal of any permanent warning or identification labels from the product or products.
- Installation in a non-vertical or sloped application.
- Damage from accident, misuse or abuse.
- Alteration, modification or use for a purpose other than that for which it was intended or designed. (Including, but not limited to, paint applied to vinyl and damage resulting from security systems applied or attached to our product.)
- Application of door closures on Pinnacle doors.
- Application of any tint, UV limiting or sun blocking film to either interior or exterior surfaces of the glass, or the use of film shades.
- Use in or around ships, boats, trailers, campers, swimming pools, hot tubs, spas, saunas or greenhouses.
- Installation exceeding 5,000 feet above sea level, unless high altitude breather tubes have been factory installed.
- Exposure to harmful chemicals.
- Mulling (connecting or attaching) Pinnacle product(s) to those of another manufacturer.
- Failure to follow Windsor's Care and Use recommendations. (See Windsor's Care and Use Guide at windsorwindows.com.)
- Failure to maintain painted interior finishes. (See Windsor's Care and Use Guide at windsorwindows.com.)
- Failure to comply with the claims procedure outlined herein.

Exclusions – The following items or conditions are specifically excluded from the remedies provided by this warranty:

1. Remedies requested for any labor for removal, repair or replacement of defective parts, products or glass, or any repainting or refinishing costs, except as noted above.
2. Remedies requested for any consequential, incidental or punitive damages.
3. Remedies requested for damage caused by or adjustment required from:
   a. Improper handling, installation or maintenance and/or delivery by others.
   b. Exposure to conditions beyond performance specifications and/or design limitations.
   c. Water infiltration other than as a result of a manufacturing defect.
   d. Condensation and damage caused by the failure to resolve condensation.
   e. Damage to glass, metal, cellular PVC, PVC or any other surfaces caused by brick wash, sanding, improper cleaning/washing, chemicals or airborne pollutants.
   f. Minor scratches, and/or minor glass imperfections that do not impede or severely obstruct normal viewing area, and do not impact the structural integrity of the insulated glass.
   g. Reflective distortion of any kind, including, but not limited to, color, tint, hue or waves inherent to annealed, coated, laminated and tempered glass.
   h. Heat gain, vinyl distortion or damage of any kind, including, but not limited to, effects due to the reflective properties of glass and its finishes.
   i. Alignment/location of inner grids of less than or equal to 1/8" from specified location.
   j. Stresses to product caused by building defects, movement of the building in which the windows are installed, and/or components of that building, including building settlement.
   k. Catastrophic weather or acts of God, including fire, wind or wind-blown objects.
   l. Normal weathering, wear and tear.
4. Any applicable taxes and freight. (Replacement parts will be shipped to the closest Windsor distributor at Windsor's expense, or the option to ship directly to the homeowner at the homeowner's expense.)
5. Remedies requested for glass breakage, including stress cracks, unless Windsor determines that the breakage or cracking is the result of a manufacturing defect.
6. Remedies requested for special glazing.
7. Laminated and/or impact glass will have a warranty limited to five years against delaminating of inner liner (PVB) and extensive visual obstruction due to glass seal failure.
8. Windsor does not warrant the percentage of inert gas present in high-performance products. Gas dissipates over time at different rates depending upon use and conditions.
9. Remedies requested for inner grid rattle due to lack of uniform supported structure of product, in which the operation of the product or of another product causes vibration harmonics into the Windsor product and induces inner grid to vibrate against the insulated glass, creating a noise.
10. Remedies requested for brass and oil rubbed bronze hardware finishes for finish loss, tarnishing or wear.
11. Remedies requested for corrosion, tarnishing or operation of standard hardware in high salt spray environments.
12 Remedies requested for anodized aluminum exterior finish variances in appearance of color, dielines, pitting and chalking are not warranted.
13. Remedies requested for painted interior finish failures related to, but not limited to, knots, finger joints, stile and rail separation, joint separation of components, failures resulting from cracking/splitting/raised grain of the substrate, improper installation, lack of maintenance, moisture penetration, condensation or improper cleaning.
14. Remedies requested for fading or chalking of exterior aluminum surface finishes are warranted only when chalking exceeds number (8) chalk rating using ASTM 4214-98, and fading or color change is greater than 5 delta E in accordance with ASTM D-2244-02.
15. Remedies requested for wood texture, color variations and other wood characteristics within Windsor's specifications.
16. Remedies requested for natural warping of wood components unless the "warp" exceeds 1/4"; warping includes bowing, cupping and twisting.
17. Remedies for swinging doors over seven feet tall, without factory installed multi-point locking hardware, as these products are not warranted against warping or performance.

18. Remedies for any special or custom product or item that is manufactured according to specification provided by the customer.
19. Remedies requested for any product in a size that is greater than that shown in our catalog; these products are purchased "as is" without any warranty.
20. Remedies requested for any product purchased without factory installed glazing; these products are purchased "as is" without any warranty.
21. Remedies requested for any product installed in structures that do not allow for proper management/ drainage of moisture, including, but not limited to, exterior insulation and finishing systems (EIFS) or "synthetic stucco" without engineered drainage system.
22. Remedies requested for products manufactured by others.
23. Remedies requested for water infiltration when using handicap sill. Due to the low profile height, warranty will be forfeited.

Limits of Liability – Where lawful, this warranty is in lieu of all other warranties, expressed or implied, including any implied warranties of merchantability or fitness for a particular purpose.

- No distributor, dealer, employee, salesperson or representative of Windsor has any authority to change or modify this warranty in any way.
- Windsor is not liable for any consequential, incidental or punitive damages, costs of installation of replacements or costs of refinishing window or door components or adjacent parts/millwork.
- Windsor shall make the final determination as to whether or not a defect exists.
- In addition to, or in lieu of remedies provided herein, Windsor, at its sole discretion, may repair or replace a defective part or product, or refund a portion of the original purchase price.
- Windsor reserves the right to perform warranty work or arrange for another party to perform warranty work.
- In no event shall the liability of Windsor Windows or any seller of Windsor products arising out of a product defect exceed the original purchase price of the product.
- In the event any provision is found to be unenforceable, the remaining provisions shall remain in full force and effect.
- Any component or product repaired or replaced pursuant to this warranty is warranted for the remainder of the original warranty period.
- Affixed to Windsor's windows are stickers identifying various WDMA and NFRC ratings. These ratings are not performance warranties because window performance will be impacted by conditions and may change over time. These ratings may also apply to single units only, not mulled configurations.
- This is not a warranty of future performance. It is only a warranty to provide the remedies described herein.
- Windsor is not responsible for determining the suitability of its products for particular applications and locations. Nor is Windsor responsible for compliance with building standards, including applicable building codes.
- Windsor makes no warranties whatsoever with respect to accessories or parts not supplied by the manufacturer.
- Windsor may elect to perform repairs in situations where Windsor does not believe any warranty violations exist. This does not constitute a waiver of any of the provisions of this warranty.

Warranty Claim Procedure

If you have any questions regarding this warranty or have a claim under the provisions of this warranty (your "Claim"), please contact your local authorized independent Windsor distributor or one of our manufacturing facilities listed on the back of this brochure. To process a Claim, you must furnish the glass code (numbers and/or letters printed within/upon the insulated glass unit). If you have questions about locating the glass code, please contact one of the Windsor facilities OR REFER TO THE SUPPORT PAGE ON OUR WEBSITE. You must notify your local independent Windsor distributor or Windsor of any defects within a reasonable time, but no later than 30 days after the defect is discovered or reasonably should have been discovered, and within the period covered by the warranty. Windsor may require any defective parts be returned to Windsor or our closest distributor. In order to process a Claim, Windsor reserves the right to inspect the product before it is removed or modified in any way. Windsor field visits may result in service charges if a non-warranty site survey is required and/or requested.

Response by Windsor

Windsor will have 30 days to respond to your Claim, with an explanation of what Windsor is willing to do relative to your Claim. Please keep in mind that this response may include an explanation of some action Windsor would like to take, such as conducting further investigation, or it may state that Windsor is not willing to take any action. We point this out to make it clear that Windsor is committing to respond to your Claim, not agreeing to remedy the problems described in every Claim it receives. If you are in any way dissatisfied with Windsor's response to your Claim, you must follow the steps of Windsor's Dispute Resolution Process as outlined below.

Dispute Resolution Process

You and Windsor agree that any Dispute arising out of or related to the Windsor products shall be resolved pursuant to the terms of the Dispute Resolution Process defined in this warranty. The term "Dispute" shall mean any and all claims based on any theory (including, but not limited to, contract, warranty, tort, product liability, strict liability, fraud, consumer protection, subrogation or any other applicable statute, regulation, ordinance or common law) arising out of or related to your Windsor products (including, but not limited to, the design, manufacture, sale, distribution, marketing, warranty, service, use, performance, installation or purchase of your Windsor products) and/or the validity or enforceability of this Warranty and/or the Arbitration Agreement.

Notice of Dispute

The first step in the Dispute Resolution Process is for you and Windsor to attempt to resolve your Dispute informally. To initiate the Dispute Resolution Process, you must provide Windsor with a Notice of Dispute. You can do so either by visiting www.windsorwindows.com/support, which will take you to a form that you need to complete, or by calling Windsor at 1-800-218-6186.

Response by Windsor

Windsor will have 60 days to respond to your Notice of Dispute by providing a written explanation of what Windsor is willing to do relative to your Dispute.

Arbitration Agreement and Jury-Trial and Class-Action Waivers

If you and Windsor are unable to informally resolve your Dispute to your satisfaction, you may seek to formally resolve your Dispute through arbitration. BY PURCHASING, INSTALLING OR USING THIS PRODUCT WITHOUT OPTING OUT AS PROVIDED BELOW, YOU AGREE TO ARBITRATE ANY DISPUTE YOU MAY HAVE WITH WINDSOR RELATING TO YOUR WINDSOR PRODUCTS AND TO WAIVE YOUR RIGHTS TO A JURY TRIAL AND TO PARTICIPATE IN CLASS-ACTION OR CLASS-ARBITRATION PROCEEDINGS RELATING TO ANY SUCH DISPUTES. The full terms and conditions applicable to this Arbitration Agreement and these waivers are set forth in Windsor's "Arbitration Agreement," which is incorporated herein by reference and is available at www.windsorwindows.com/support or by calling Windsor at 1-800-218-6186.

Arbitration Opt-Out Option

YOU CAN OPT OUT OF THE ABOVE ARBITRATION AGREEMENT AND WAIVERS. To do so, you must notify Windsor within 90 calendar days of the date you purchased or otherwise took ownership or other interest in your Windsor products either by visiting www.windsorwindows.com/support and completing the Opt-Out Form located there, or by calling Windsor at 1-800-218-6186. Opting out of the Arbitration Agreement will not affect the coverage provided by any warranty applicable to your Windsor products.

Failure to Follow Procedures or Processes

The failure to follow any of the steps outlined in the Claims Procedures or Dispute Resolution Process sections of this document does not alter, waive or void any of the terms of this document. Opting out, as described above, is the only way to alter, waive or void the Arbitration Agreement and waivers described herein.

Applicable Law and Severability

This Dispute Resolution Process, including, but not limited to, issues related to its enforceability and effect, will be governed by the laws of the State of Minnesota without regard to conflict of law principles. If any term(s) of this Dispute Resolution Process, Arbitration Agreement and/or waivers is/are found to be invalid or unenforceable in any particular jurisdiction, that term will not apply to that issue in that jurisdiction. Instead, that term will be severed with the remaining terms continuing in full force and effect.