## Frame Assembly and Installation Guide

### Product Series:
- 400 Series Frenchwood®,
- 200 Series Narroline®, 200 Series Perma-Shield® and
- 200 Series Perma-Shield with Performance Grade (PG) Upgrade

### Product Type: Gliding Patio Doors and Stationary Sidelights

#### Parts Included:
- (All Doors)
  - (1) Installation Guide
  - (1) Head Installation Flange
  - (2) Side Installation Flanges
  - (1) Sill
  - (1) Head Jamb
  - (1) Left Side Jamb
  - (1) Right Side Jamb
  - (1) Head Flashing
  - (1) Clear Sealant
  - (1) Screw Pack(s)

#### Additional Parts
- **Stationary Sidelight**
  - (2) Side Stops

- **2-Panel Gliding Patio Door**
  - (1) Stationary Panel Interlock Weatherstrip
  - (1) Operating Panel Interlock Weatherstrip
  - (1) Head Bracket

- **4-Panel Gliding Patio Door**
  - (2) Stationary Panel Interlock Weatherstrip
  - (2) Operating Panel Interlock Weatherstrip
  - (2) Head Bracket

#### Additional Parts Required
- • Gliding Patio Door Trim Set Hardware

#### Tools and Supplies Needed:
- • Safety Glasses
- • Level
- • Phillips Screwdriver
- • Caulk Gun
- • Sealant
- • Clamps
- • Shims (Waterproof)
- • Small Wood Blocks
- • Hammer
- • Drill/Driver
- • Low Expanding Foam
- • Formable Self-Adhering Flashing
- • Straight Self-Adhering Flashing
- • Drip Cap
- • Foam Backer Rod
- • J-Roller

#### Optional Accessories
- • Corrosion Resistant Screw Pack
- • Insect Screen
- • Sill Support
- • Exterior Keyed Lock
- • Auxiliary Foot Lock
- • Interior/Exterior Grilles
- • Oak or Maple Threshold

*Identifies parts for panel installation. Frame and panels are packaged separately. Please keep remaining parts for panel installation.

Para obtener una versión en español de esta guía, visite el sitio [www.andersenwindows.com](http://www.andersenwindows.com)
Frames are manufactured for left or right hand operation (L or R) or stationary sidelights. Door operation is as viewed from the exterior.

Provide a large work area when assembling patio door frame. Cover work area with cardboard to protect frame parts.

If frame is assembled away from the job site, attach screw pack envelopes, with remaining screws, to frame for use when installing unit frame and door panels on the job site.

**Screw Pack Contents:**

<table>
<thead>
<tr>
<th>Frame Assembly and Installation Pack:</th>
<th>BAG A</th>
</tr>
</thead>
<tbody>
<tr>
<td>(14) #10 x 2-1/2&quot; Stainless Steel Screw</td>
<td></td>
</tr>
<tr>
<td>(9,13,17,or 19) #10 x 2-1/2&quot; Color-Matched Screw (quantity dependent on patio door size)</td>
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</table>

<table>
<thead>
<tr>
<th>Stationary Panel Installation Pack:</th>
<th>BAG B</th>
</tr>
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<tbody>
<tr>
<td>(4 or 6) #8 x 1&quot; Gray Screw (quantity dependent on patio door size)</td>
<td></td>
</tr>
<tr>
<td>(5) #8 x 1&quot; Color-Matched Screws</td>
<td></td>
</tr>
<tr>
<td>(9 or 11) #7 x 5/8&quot; Color-Matched Screws (quantity dependent on patio door size)</td>
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<thead>
<tr>
<th>Operating Panel Installation Pack:</th>
<th>BAG C</th>
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<tbody>
<tr>
<td>(5,7, or 10) #8 x 1-1/2&quot; Color-Matched Screw (quantity dependent on patio door size)</td>
<td></td>
</tr>
<tr>
<td>(9 or 11) #7 x 5/8&quot; Color-Matched Screw (quantity dependent on patio door size)</td>
<td></td>
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<table>
<thead>
<tr>
<th>Lock Mechanism Installation Pack</th>
</tr>
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<tbody>
<tr>
<td>(2-Panel Hardware Pack)</td>
</tr>
<tr>
<td>(1) #10 x 3&quot; Security Screw</td>
</tr>
<tr>
<td>(2) #8-32 x 7/8&quot; Machine Screw</td>
</tr>
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</table>

| (4-Panel Hardware Pack) |
| (1) 4-Panel Door Latch Receiver |

<table>
<thead>
<tr>
<th>PG/IR Pack:</th>
<th>(Included for Performance Grade (PG) Upgrade or Impact-Resistant patio doors only)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(5) #8 x 1&quot; Color-Matched Screw</td>
<td></td>
</tr>
<tr>
<td>(3) #10 x 2-1/2&quot; Gray Screw</td>
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</tbody>
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0005310
Important Safety and Product Information
for Andersen® Windows and Doors

This is the Safety Alert Symbol used to alert you to potential injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

Signal Word and Consequence

<table>
<thead>
<tr>
<th>COULD Result in:</th>
<th>WARNING</th>
<th>CAUTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Major Injury/Death</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Minor Injury</td>
<td></td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>COULD Result in:</th>
<th>NOTICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product or Property Damage</td>
<td></td>
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</tbody>
</table>

| IMPORTANT |
| Procedure and Product Information |

Read this Important Safety and Product Information completely before starting.

Safety and Product Information Index

- Tools
- Handling
- Installation
- Sealing
- Fastening
- Finishing
- Glass
- Protective Film
- Cleaning
- Use/Operation
- Joining
- Product Information

- Leave this installation instruction with the home/building owner
- For additional support or help please go to: help.andersenwindows.com
- To configure installation instructions go to: andersenwindows.com/installation

Tools

- Follow manufacturers’ instructions for hand and power tools. Always wear safety glasses. Failure to do so could result in injury, product or property damage.

Handling

- Windows and doors can be heavy. Use safe lifting techniques and a reasonable number of people with enough strength to lift, carry, and install window and door products. Heavier windows and doors will require mechanical assistance. Failure to do so could result in injury, product or property damage.

- DO NOT lift or carry window or door by the exterior trim or extension jambs. Doing so could result in injury, product or property damage.

- Windows, doors, and installation components can have sharp edges. Wear protective equipment when handling. Failure to do so could result in injury.

- DO NOT drag, rock, cartwheel, or walk windows, doors, sash, or panels across the floor. Doing so could result in product or property damage.

Installation

- Use caution when working at elevated heights and around window and door openings. Follow the manufacturers’ instructions for ladders and scaffolding. Failure to do so could result in injury or death.

- Support window or door in opening at all times until fully fastened. Failure to do so could result in window or door falling out causing injury, property or product damage.

- Windows and doors have small parts (e.g. hole plugs, operator spline caps, fasteners, etc.). Small parts if swallowed could pose a choking hazard to young children. Dispose of unused, loose, or easily removed small parts. Failure to do so could result in injury.
**Installation (Continued)**

### NOTICE

- Andersen head flashing and installation flanges **DO NOT** take the place of window and door flashing tape or liquid flashing. Window or door must be properly flashed and sealed with a material compatible sealant for protection against water and air infiltration. Failure to do so could result in product or property damage.

- **DO NOT** set window or door directly on installation flange. Doing so could affect product performance, and could result in product or property damage.

- **DO NOT** set window directly on sill plate. Elevate window with shims under the side jambs. Failure to do so could affect operation and product performance, and could result in product damage.

- Window or door must be properly shimmed. Failure to do so could affect operation and product performance, and could result in product damage.

- A continuous full perimeter interior seal between window or door frame and opening is required. Failure to do so will affect product performance, and could result in product or property damage.

- Protect window and door sills during installation and throughout construction. Failure to do so could result in product damage.

- **DO NOT** remove window or door packaging material until instructed to do so. Doing so could result in product damage.

### Fastening

#### WARNING

- Metal fasteners and components could corrode when exposed to preservative-treated or fire-retardant treated lumber. Use approved fasteners and components to fasten window or door. Failure to do so could cause a failure resulting in injury, product or property damage.

- Fastener must attach to a structural framing member with a 1-1/2" minimum fastener embedment. Failure to do so could result in injury, product or property damage.

- **DO NOT** remove screws that attach installation clips or gusset plates to window or door frames. Doing so could result in injury, product or property damage.

### Sealing

#### CAUTION

- Follow instructions of foam, sealant, and flashing manufacturers regarding safety, material application, compatibility, and periodic maintenance for continued weather resistance of their products. Failure to do so could result in injury, product or property damage.

### NOTICE

- Clean and prepare surfaces receiving sealant following sealant manufacturer’s instructions. Failure to do so could result in water infiltration causing product or property damage.

### Finishing

#### NOTICE

- **DO NOT** stain or paint weatherstrip, vinyl, glass, or hardware. Doing so could result in product damage.

- Read and follow finish manufacturer’s instructions and safety information. Failure to do so could result in product damage.

- **DO NOT** over load brush with stain or paint when finishing. Doing so could allow finish to wick between glass stop or grille, and glass.
**NOTICE**

- Finish all wood surfaces immediately after installation. Unfinished wood will deteriorate, discolor, and could bow or split. Some surfaces are hidden from view.

- Some products are shipped unassembled, and it may be more convenient to finish wood surfaces for these products prior to assembly and installation.

**Glass**

**WARNING**

- Unless specifically ordered, Andersen windows are not equipped with safety glass, and if broken, could fragment causing injury. Many laws and building codes require safety glass in locations adjacent to or near doors. Andersen windows are available with safety glass that could reduce the likelihood of injury when broken. Information on safety glass is available from your local Andersen dealer.

- Tempered or laminated safety glass is not standard for windows and must be special ordered. Check local building codes for required locations. Failure to do so could result in injury, product or property damage.

**NOTICE**

- DO NOT remove protective film near flammable materials. Static charge created when removing film can ignite flammable materials or cause a shock. Doing so could result in injury, product or property damage. See warning label on glass.

- Dispose of protective film immediately after removing. Failure to do so could pose a suffocation hazard to children.

**Cleaning**

**WARNING**

- Acid solutions used for cleaning masonry or concrete will damage all components of window or doors. Protect window or door and follow cleaning product manufacturer’s instructions. If acid contacts window or door, wash all surfaces immediately with clean water.

- DO NOT use or apply solvents, abrasives, harsh chemicals or cleaners to window or door components. Doing so will result in product damage. For a list of recommended cleaners go to: andersenwindows.com

- DO NOT use metal razor blades to clean glass surface. Glass damage could result.
Use/Operation

**WARNING**

- **DO NOT** stand in front of or near windows or doors during a storm. Doing so could result in injury. Accessories such as grilles, art glass, and insect screens could dislodge and become airborne if window or door is impacted by wind-borne debris from severe storms or hurricane strength winds. In the event of a storm, remove all accessories from windows or doors and move to a safe location.

- **DO NOT** install air conditioner in window. Doing so could result in injury, product or property damage.

- Wind load brackets must be flipped out when not tilting or cleaning. If wind load brackets are not flipped out, window could blow in resulting in potential injury and/or product damage.

**CAUTION**

- **DO NOT** attach objects or accessories to window or door except Andersen® products specifically designed for the window or door. Doing so could result in injury, product or property damage.

Joining

**WARNING**

- **DO NOT** join any window or door, horizontally or vertically, to any window or door not designed for joining. Doing so could result in injury, product or property damage.

- Joined windows or doors must be individually supported in the opening. Failure to do so could affect operation and product performance, and could result in product or property damage.

**CAUTION**

- **DO NOT** join any window or door, horizontally or vertically, to any window or door not designed for joining. Doing so could result in injury, product or property damage.

Product and General Information

**IMPORTANT**

- Buildings constructed prior to 1978 could contain lead paint which could be disturbed during window or door replacement. For more information on proper management of lead paint, go to: [www.epa.gov/lead](http://www.epa.gov/lead)

- Instructions may not be right for all installations due to building design, construction materials, or methods used and/or building or site conditions. Consult a contractor or architect for recommendations.

- Installation flanges may need to be removed for some installations. (e.g. masonry, replacement), or where exterior finish is already applied (e.g. siding, brick veneer, stucco).

- Installation flange on the window or door alone will not properly flash and seal the window or door.

- **DO NOT** remove band, plastic ties, or packing clips from window or door until instructed.

- **DO NOT** remove performance (NFRC) label until after final inspection. Doing so could delay final inspection and sign-off by the code official.

- Check with your local building code official to identify and confirm compliance with local building code requirements.

- Contact local authorities or waste management company for proper recycling and disposal instructions for removed window or door.

- For cleaning instructions for window and door components go to: [andersenwindows.com](http://andersenwindows.com)

- During construction protect products from construction debris, harsh chemical such as brick wash, roof runoff, and cement/masonry which can cause damage to window and door products.

- Protective film is not present on all windows or doors. Protective film is not a substitute for masking.

- Remove protective film from glass within six (6) months of installation and when temperature is above 32° F.

- Remove protective film by peeling from seam or corner. Use a plastic scraper to start if needed.

- **Extension jambs can be factory applied on some windows or field applied prior to installation. DO NOT apply extension jambs prior to window or door installation that will be fastened with installation clips. Doing so could prevent access to installation clips for fastening.**

- For extension jamb application refer to instructions included with part(s) or go to: [andersenwindows.com](http://andersenwindows.com)

- Use painter's masking tape for protecting products during construction. Avoid using duct or packaging tapes.
1. Attach Side Jambs to Sill

- Position Sill and Side Jambs exterior up.

**CAUTION**

Sealant must be applied to ends of Sill and Side Jambs to help prevent water infiltration.

- Apply a 3/16" bead of Clear Sealant (provided in frame package) to bottom ends of Side Jambs. (Top ends have a beveled cut.)
- Apply a 3/16" bead of Clear Sealant (provided) to ends of Sill and position against Side Jambs.

**CAUTION**

- Screw fastening sequence must be followed when attaching Side Jambs to Sill. Failure to do so may result in incorrect fit of frame parts.
- Make sure insect screen track on Sill is inserted into slot on the bottom of Side Jamb. Failure to do so may result in incorrect fit of frame parts.

- Fasten Side Jambs to Sill through predrilled holes using three #10 x 2-1/2" Stainless Steel Flat Head Screws, making sure insect screen track on Sill is inserted into slot on bottom of Side Jamb. Screw fastening sequence must be followed.
  - Screw①: Fasten interior side of Side Jamb to Sill.
  - Screw②: Fasten exterior side of Sill to Side Jamb.
  - Screw③: Fasten center of Sill to Side Jamb.
- Clean up excess squeeze-out of Sealant.
2. Attach Head Jamb To Side Jambs

- Position Head Jamb exterior side up

**NOTICE**
Sealant must be applied to end of Side Jamb to help prevent water infiltration.

- Apply a 3/16" bead of Clear Sealant (provided) to top end of Side Jambs and position against Head Jamb.

**NOTICE**
When attaching Side Jambs to Head Jamb, screw fastening sequence must be followed. Failure to do so may result in incorrect fit of frame parts.

- Fasten Head Jamb to Side Jambs through predrilled holes using four #10 x 2-1/2" Stainless Steel Flat Head Screws.

Screw fastening sequence must be followed.
- **Screw 1**: Fasten interior side of Side Jamb to Head Jamb.
- **Screw 2**: Fasten interior side of Head Jamb to Side Jamb.
- **Screw 3**: Fasten exterior side of Head Jamb to Side Jamb.
- **Screw 4**: Fasten center of Side Jamb to Head Jamb.

- Clean up excess squeeze-out of Sealant.

3. Apply Side Installation Flanges

**IMPORTANT**
Some masonry/concrete wall and replacement situations do not require the use of Side Installation Flanges. If Side Installation Flanges are not being used proceed to Step 4.

- Position Side Installation Flanges in groove on frame, short leg pointing toward interior, flush with bottom of Sill. Place wood block against short leg of Side Installation Flange and tap until fully seated.
4. Attach Head Installation Flange to Head Flashing

**CAUTION**
Ends and edges of Head Flashing are sharp. Use caution when handling Head Flashing. Failure to do so may result in personal injury.

**IMPORTANT**
Handle aluminum Head Flashing with care to avoid bending.

**Standard Installation**
- Position Head Installation Flange groove over Head Flashing lip. Flush ends and snap into place.

**Masonry/Concrete or Flangeless Installation**
- Score and snap long leg off Head Installation Flange, using a sharp utility knife,
- Position modified Head Installation Flange groove over Head Flashing lip. Flush ends and snap into place.

5. Apply Head Installation Flange/Head Flashing

**NOTICE**
Head Installation Flange/Head Flashing must overlap Side Installation Flanges to the exterior to help prevent water infiltration.

- Position Head Installation Flange/Head Flashing in groove on Head Jamb, overlapping Side Installation Flanges to the exterior. Place wood block against short leg of Head Installation Flange/Head Flashing and tap until fully seated.
- For Sidelight Installation Instructions proceed to Page 21 of Panel Assembly and Installation Guide #0005309.
6. Apply Optional Aluminum Sill Support if Required

**NOTICE**

Sill support must be used whenever support is needed under projecting outer edge of Sill. Support entire length of Sill to prevent product damage.

**IMPORTANT**

Optional Aluminum Exterior Sill Extension and Sill Support must be applied before frame is installed.

- Slide Aluminum Sill Support onto the aluminum Sill from one end. **DO NOT** secure with screws until exterior wall cladding/siding is applied over sheathing.

7. Check Rough Opening

- Check dimension of rough opening for correct size.
- Check rough opening sill plate for level. Correct as necessary.
- Check rough opening for plumb and level. If rough opening is not plumb or level, correct as necessary.
- Check rough opening for square by measuring diagonally, upper left to lower right and upper right to lower left corner. If measurements are within 1/8", opening is square. If rough opening is not square, correct as necessary.
8. Seal Frame, Sill and Rough Opening

**NOTICE**

Sealant must be applied to Sill and in void between Side Installation Flange and Sill to help prevent water infiltration.

- Apply three (3) beads sealant at bottom of the opening and liberally in bottom corners.
- Apply sealant in the ends of the underside sill channels where side installation flanges met the sill.
- Apply sealant at top and sides of opening, no more than 1/2" from edge as shown.
- Apply sealant between flanges where they intersect at head and side jamb.

9. Position in Rough Opening

- Center frame horizontally in rough opening from the exterior. Apply downward pressure on Sill to spread Sealant.
- Clamp door frame in place.

**NOTICE**

Blocking material must be used whenever support is needed under the projecting outer edge of Sill. Support the entire length of Sill to prevent product damage.

- Fasten blocking material under projecting, exterior, edge of Sill to provide support. Remove temporary blocking prior to installation of permanent blocking or decking.
10. Shim and Plumb Jambs

**NOTICE**

Allow 1/4" space around perimeter of unit between exterior wall cladding/siding and door frame for Sealant. Failure to do so may result in product and/or property damage.

- Insert shims between *Side Jambs* and framing material at each fastener location. Shims will be held in place by fastener screws.
- Shims at *Head Jamb* are temporary. **DO NOT** place shims on top of predrilled holes at *Head Jamb*.
- Check *Head* and *Side Jambs* for level making adjustments using shims if necessary. Jambs must be plumb, level, and square. Diagonal measurements should be within 1/8".

11. Secure Frame in Rough Opening

**Hardware Needed**

| BAG A | #10 x 2-1/2" Color-Matched Screw |

**WARNING**

**DO NOT** nail into Head Installation Flange or Side Installation Flanges to secure frame. Frame must be secured through predrilled holes in head and side jambs. Failure to do so may result in product falling out causing injury, property or product damage.

- Fasten frame in rough opening through holes in *Head* and *Side Jambs* using #10 x 2-1/2" Color-Matched Screws. Tighten until snug.

**IMPORTANT**

Remove temporary shims from Head Jamb after unit is secured. Failure to remove shims may affect product performance and/or unit operation.

- Remove temporary shims from *Head Jamb*. 
12. Apply Flashing at Sides

- Apply flashing at sides.

13. Seal Sides and Top

- Seal sides and top where installation flange meets the frame.

14. Apply Drip Cap and Flashing at Top

- Apply drip cap at top.
- Apply flashing over drip cap leg, overlapping side flashing.
15. Fold House Wrap Down and Tape

- Fold house wrap down and tape.

16. Leave 1/4" Gap for Sealing

- Leave 1/4" gap at head and sides between exterior wall cladding/siding and door for sealing.

**IMPORTANT**

If using Andersen exterior trim, follow instructions provided with exterior trim kit.
17. Insert Backer Rod

- Insert backer rod at sides and top between exterior wall cladding/siding and door frame.

18. Seal Top and Sides

- Seal top and sides on the exterior of the door.

19. Seal Top and Sides

- Seal top and sides on the interior of the door. Seal at sill and floor.
20. Secure Optional Aluminum Sill Support

- Fasten optional Aluminum Sill Support using #8 x 1-1/2" Color-Matched Screws after exterior wall cladding/siding has been applied.

21. Attach Insect Screen Latch

**IMPORTANT**

If insect screens are NOT being used, insert screw provided for insect screen latch into predrilled hole.

- Fasten Insect Screen Latch to frame, through predrilled hole, using #8 x 1" stainless steel screw provided.
- Hold latch in horizontal position and tighten allowing latch to turn freely.

22. Attach Insect Screen Stop Screw (4-Panel Patio Doors Only)

**IMPORTANT**

Insect Screen Stop Screw should be applied with or without use of insect screens.

- Fasten Insect Screen Stop Screw (#7 x 5/8" stainless steel screw) to sill through predrilled hole.

Proceed To Panel Installation Guide #0005309

- Refer to instructions furnished in stationary panel carton.
- Hardware (screws, brackets, etc.) remaining from frame installation will be used for panel installation.