



WOOD BI-FOLD WINDOW SYTSEM INSTALLATION GUIDE

READ SPECIFIC INSTALLATION INSTRUCTIONS COMPLETELY BEFORE STARTING ANY INSTALLATION

Failure to install and maintain our product according to these instructions will **VOID** any warranty, written or implied. The installer is responsible for consulting the contractor, structural engineer, architect, or consumer, for proper installation according to local codes and/or ordinances.

WARNING

Every assembly and installation is different from Parrett Windows & Doors. Parrett strongly recommends consultation with a Parrett supplier or an experienced contractor, architect, or structural engineer prior to the assembly and installation of any Parrett product. **PARRETT HAS NO RESPONSIBILITY IN REGARD TO POST-MANUFACTURED ASSEMBLY AND INSTALLATION OF PARRETT PRODUCTS.**

CAUTION

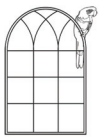
Factory applied exterior Brickmould and casing **DO NOT** take the place of standard window flashing. Each unit must be properly flashed and sealed with silicone for protection against water and air infiltration.

WARNING TO INSTALLER

- Using ladders and/or scaffolding and working at elevated levels can be very dangerous. Follow the manufacturer's instructions for all equipment used in order for safe operation. Please use extreme caution when working around window or door openings. Falling from opening may result in injury or death.
- Improper use of hand/power tools could result in injury and/or product damage. Again, follow manufacturer's instructions for safe operation of equipment. **ALWAYS WEAR SAFETY GLASSES.**
- Windows and doors can be very heavy and improper lifting techniques can result in serious injury. Use safe lifting techniques and a reasonable number of people with enough strength to lift, carry, and install any Parrett window and door products to avoid injury and/or damage to any product.

ITEMS REQUIRED BY INSTALLER

- Safety Glasses
- Tape Measure
- Level
- Hammer
- Putty Knife
- Carpenter's Square
- Caulk Gun
- Phillips Screwdriver
- Power Drill
- Hex Wrench
- 3/16" Drill Bit
- Foam Backer Rod
- UV Resistant Exterior Sealant
- ¼" Blocks
- Shims
- Stainless Steel Fasteners
 - 3" Finish Nails
 - #10 x 1" Pan Head Screws
 - #10 x 1-1/2" Screws
 - #10 x 2-1/2" Screws

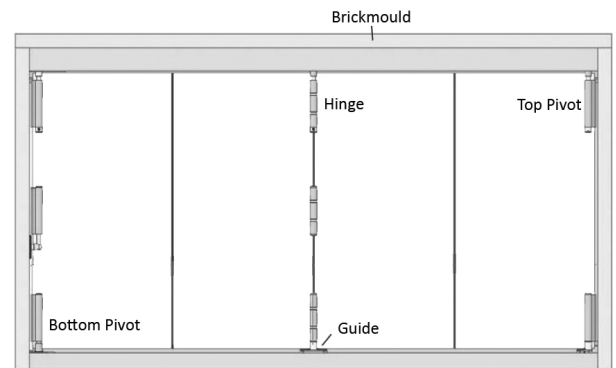


1. Unit Preparation

- Remove unit from packing making sure to not damage the unit. Place unit exterior side down on a clean flat work surface.
- Remove any loose items. Extension jamb will be factory applied unless ordered loose.

WARNING

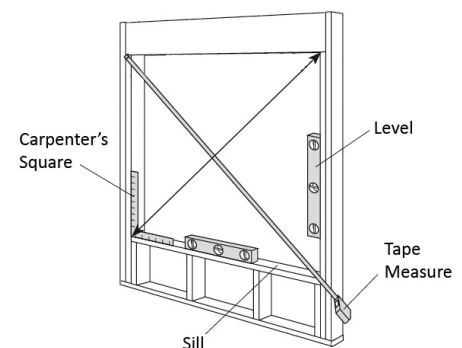
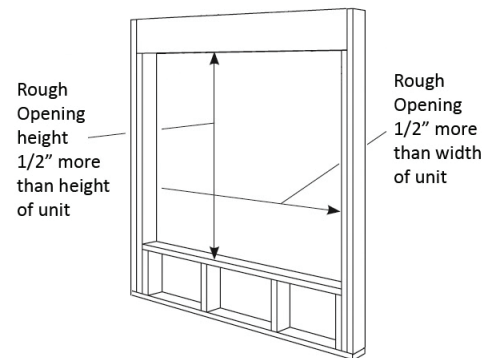
DO NOT unlock or open unit until it is secured in the opening. Frame may become twisted and result in problems with performance.



Bi-Fold Window System

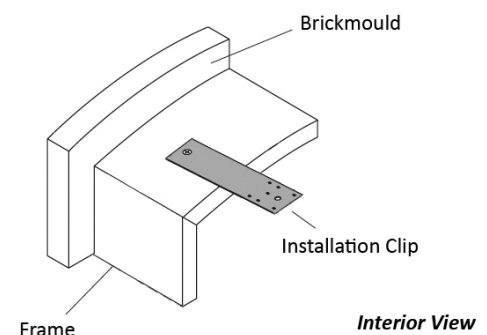
2. Prepare Rough Opening

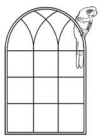
- Size of rough opening should allow minimum $\frac{1}{4}$ " clearance around entire unit, between frame and rough opening. The width and height of the rough opening should be $\frac{1}{2}$ " more than unit width and height.
- Make sure the rough opening is square by measuring diagonally, from upper right to lower left, and upper left to lower right corner. The measurements need to be within $\frac{1}{8}$ " for the opening to be square. If the rough opening is not square, it **MUST** be corrected before installation.
- Check to make sure rough opening is plumb and level using a carpenter's square and level. The sill plate **MUST** be level. If rough opening is not plumb or level, correct before installation.



3. Installation Clips (If applicable)

- Rotate Installation Clips into position around frame, as shown, before placing unit into rough opening.
- If installation clips are not installed, install clips along the frame of the unit before installation.
- All installation clips **MUST BE** corrosion resistant.





4. Unit Installation

- Apply a 3/8" bead of UV resistant exterior sealant to back of Brickmould.
- Lift unit into rough opening from the exterior.
- Place 1/4" blocks at the corners of the sill under side jambs. Add shims along the rough opening to support and level unit as needed.
- For mulled units, shims must be placed under mullion post(s) at sill. All mull connections **MUST** be properly sealed with UV resistant exterior sealant. It is necessary to consult contractor, structural engineer, architect or building owner for proper installation. Minimum recommendation would be to apply a 1/4" bead of exterior sealant to interior and exterior edge of the backside of each jamb where the exterior of the jambs come in contact when mulled. After joining the two windows the exterior mull joint should then be sealed with a cap bead prior to placing mull cover/cap over the joint. It is not sufficient to simply cap bead the exterior mull joint and place a mull cover/cap over the joint.
- Bend and fasten Installation Clip at the highest point with a #10 x 1" pan head screw. (If Applicable)

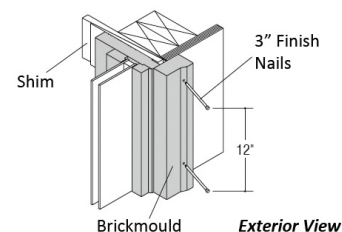
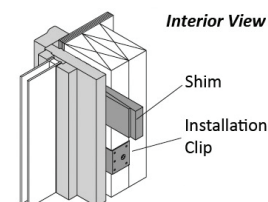
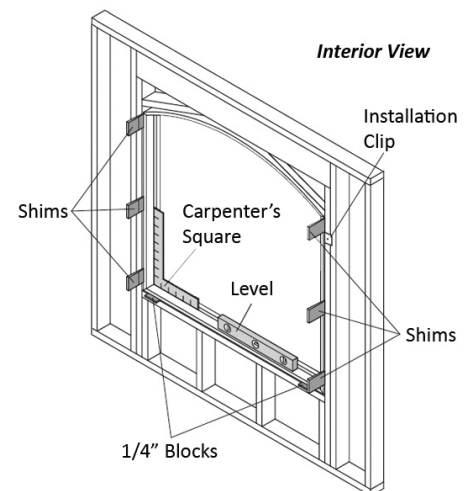
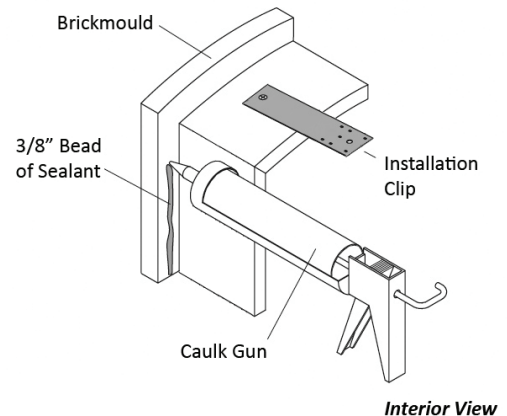
WARNING

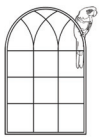
UV resistant exterior sealant must be compatible with all materials it comes in contact with. Follow sealant manufacturer's instructions regarding surface cleaning and preparation, application, and temperature when applying sealant. Failure to do so may result in water infiltration. Metal fasteners and other hardware components may corrode when exposed to preservative treated and fire-retardant treated lumber. Failure to use appropriate materials for installation may cause failure resulting in injury, property or product damage.

5. Secure Unit in Opening

WOOD FRAME CONSTRUCTION

- Insert shims between frame and rough opening along the side jambs, just above or below Installation Clips.
- Check plumb, level, and square of unit. Adjust shims as needed.
- Bend and fasten Installation Clips to building structure using a minimum #10 x 1" screw.
- Recheck plumb, level and square of unit.





5. Secure Unit in Opening (continued)

- Nail through brickmould every 12" using 3" finish nails.
- If securing through the frame, pre-drill 3/16" holes through unit frame 4" from each corner and every 16" in between.
- Insert shims between frame and rough opening near 3/16" holes.
- Check plumb, level and square of unit. Adjust shims as needed.
- Secure unit through pre-drilled holes in frame using #10 x 2-1/2" screws.
- Recheck plumb, level and square of unit. Correct as needed.

NOTICE

Both Installation Clips and nailing through brickmould are recommended for installing all units. If both cannot be used, unit must also be secured to building structure through frame.

MASONRY CONSTRUCTION

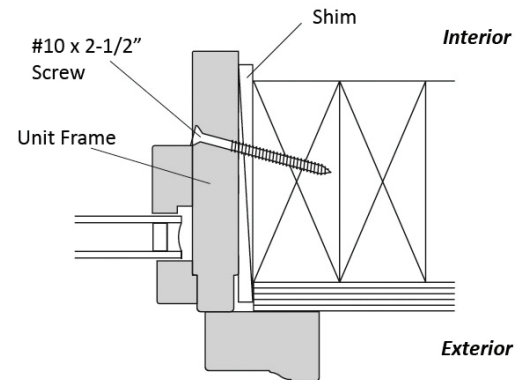
CAUTION

DO NOT install unit with unfinished wood in direct contact with masonry/concrete. Apply proper finish to wood surface, or place barrier (i.e. tar paper or ice/water membrane) between wood and masonry/concrete surface. Failure to do so may result in product and/or property damage.

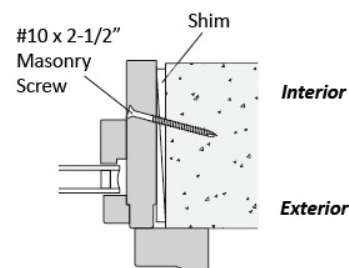
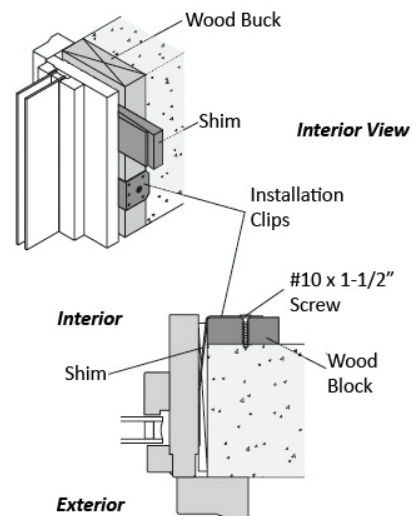
NOTICE

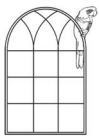
For masonry applications, install and securely fasten a wood buck or wood blocking around masonry opening before installing the window.

- Insert shims between frame and rough opening along the side jambs, just above or below Installation Clips.
- Bend and fasten Installation Clip at middle of each jamb to masonry, wood blocking, or wood buck using a minimum #10 x 1" screw. If Installation Clips are being secured directly to masonry, pre-drill hole and use masonry screws.
- Check plumb, level, and square of unit. Adjust shims as needed.
- Secure remaining Installation Clips.
- Recheck plumb, level and square of unit.



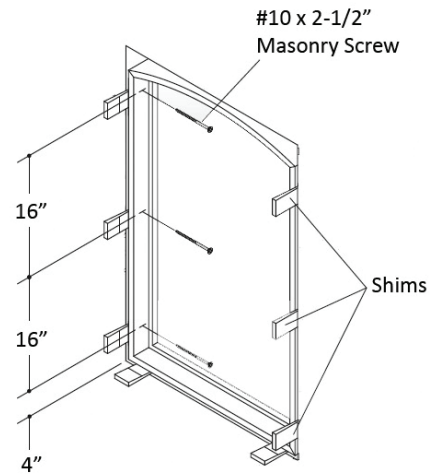
Wood Frame Construction





5. Secure Unit in Opening (cont'd)

- If securing through the frame, drill $\frac{3}{16}$ " holes through unit frame 4" from each corner and every 16" in between. If securing directly to masonry, pre-drill masonry for #10 x 2-1/2" masonry screws.
- Insert shims between frame and rough opening near $\frac{3}{16}$ " holes.
- Check plumb, level, and square of unit. Adjust shims as needed.
- Secure unit through frame using #10 x 2-1/2" screws. Use masonry screws if needed.
- Recheck plumb, level and square of unit. Correct as needed.



Masonry Construction

Interior View

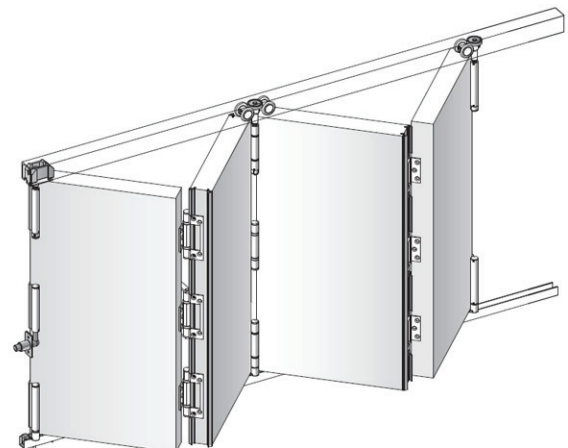
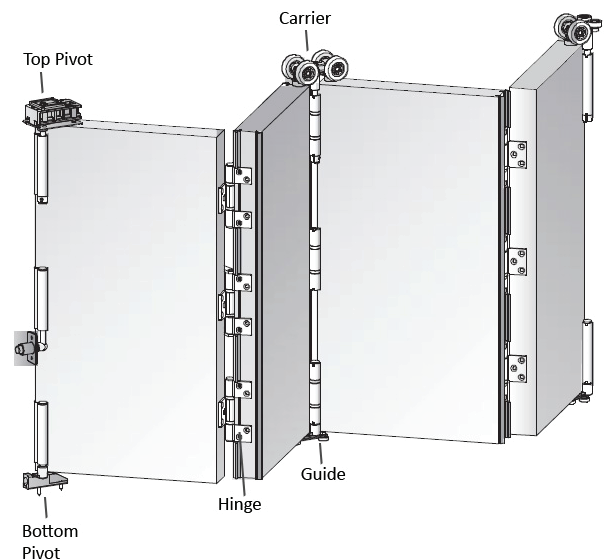
6. Check Clearance and Operation

- Open sash completely and remove any *Spacer Blocks* from around the sash.
- Check to make sure carriers are gliding smoothly along the window track.
- Determine if clearance and operation are correct by opening and closing each sash. If clearance and/or operation are not correct, please make adjustments to correct performance. If problem persists, please contact your local Parrett dealer.
- Window should open and close smoothly and lock with ease.

WARNING

Metal fasteners and other hardware components may corrode when exposed to preservative treated and fire retardant treated lumber. Use the appropriate metal fasteners and called out by the hardware installation guide. Failure to use appropriate materials for the installation may cause a failure resulting in injury, property or product damage.

Please follow any/all instructions that are set forth by the hardware manufacturing company. Warranty will be void if correct procedures/operation is not followed.





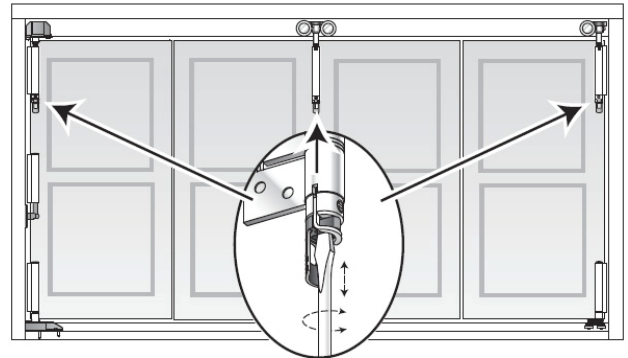
7. Adjustments

NOTICE

Make sure any adjustments made to the unit are recommended by Parrett Windows & Doors. Any adjustments that are **NOT** set forth in the installation instructions will void any warranty set forth.

NOTICE

Install hardware as directed in the supplied instructions by the manufacturer. Parrett uses numerous types of hardware and each instruction must be followed. Contact Parrett for hardware manufacturer's instructions if needed.

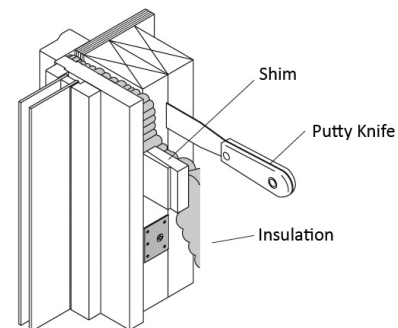


8. Insulate Around Unit

CAUTION

When insulating between unit frame and rough opening, or between units when joining, **DO NOT** over-pack insulation or overfill with expandable foam. Bowed jambs may result causing product performance problems. Follow insulation manufacturer's instructions.

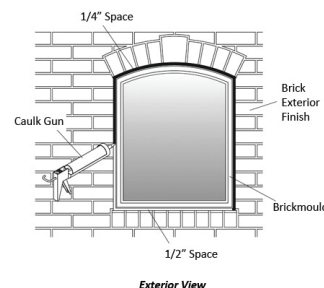
Insulate between frame, extension jambs, and rough opening on all side. **DO NOT** over pack insulation or overfill with expandable foam.



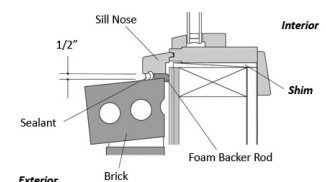
Interior View

9. Apply Exterior Finish

- Apply an exterior finish leaving $\frac{1}{4}$ " space between the exterior finish and the brickmould on the unit or unit frame. For masonry/brick applications, $\frac{1}{2}$ " space is required below sill and $\frac{1}{4}$ " space around the remaining perimeter.
- Apply backer rod and place a continuous bead of UV resistant exterior sealant around exterior perimeter of window unit between unit brickmould and frame and exterior finish.



Exterior View



Exterior



10. Finishing, Cleaning, and Maintenance Instructions

Refer to Parrett's *Care and Maintenance* Instructions for all cleaning and maintenance. For finishing instructions, refer to Parrett's *Homeowner's Manual* at www.parrettwindows.com or contact customer service at 1-800-541-9527.

Parrett will not under any circumstances be responsible for installation, repainting, refinishing or other similar activities necessary to complete any replacement. It is the consumer's responsibility for installation, finishing, cleaning, maintenance, re-painting, refinishing or other similar activities necessary to maintain the performance of each window.

Failure to install and maintain our product according to these instructions will VOID any warranty, written or implied. The installer is responsible for consulting the contractor, structural engineer, architect, or consumer, for proper installation according to local codes and/or ordinances.