

## LIFT AND SLIDE POCKET DOOR - FOR FACTORY ASSEMBLED JAMBS WITH APPLIED SILL

### 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
- 3/16" Drill Bit
- Foam Backer Rod
- UV Resistant Exterior Sealant
- Shims
- 9" Adhesive Backed Rubber Membrane

## 1. Jamb Preparation

- Remove any diagonal bracing or other packaging from unit exterior only. Place unit exterior side down on a clean flat work surface.
- Remove all remaining bracing and packing from unit making sure to not damage the unit.
- Remove any loose items. Extension jamb will be factory applied unless ordered loose.
- Identifying the exterior of the jamb can vary depending on your configuration. Standard units will have a sloping edge on only one side of the sill. This side is your exterior. On designs without the sloping sill other identifiers should be used such as; exterior color/ finish, operation direction/ configuration, metal cladding, or wood species when species differs from interior to exterior.
- Remove the interior pocket removable cover. Some designs will also require the removal of the top interior cover as well. Set these aside where they will be protected from damage.
- On units with a pocket located on only one side, extra preparation is needed prior to install. Installation clips are required to be installed on this side.

To install clips proceed as follows:

- Two types of clips are provided. The clips can be differentiated by one having a longer leg.
- Apply the clips with the longer leg on the side jamb without the pocket. The clips are oriented with the long strap end against the jamb and the leg protruding away from the jamb. The leg should be flush to the exterior of the jamb.

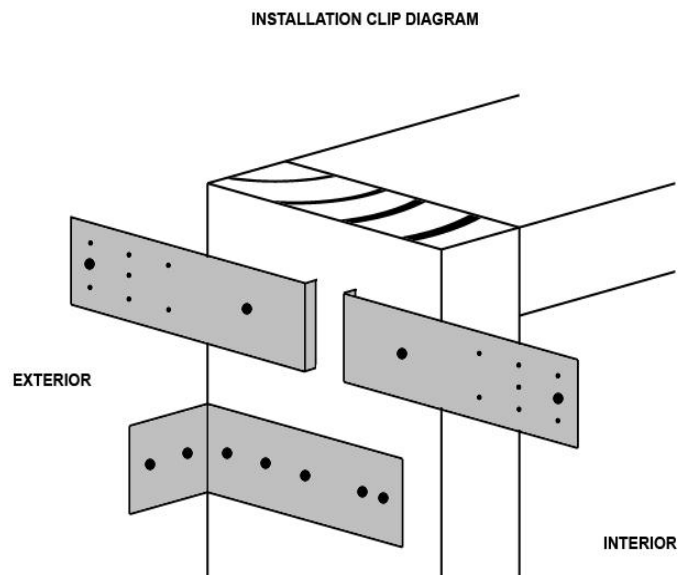
Position these equally spaced along the side jamb, and a maximum of 8" from the top and bottom. These clips are not the main means of installation fastening. They are provided as an aid in the installation.

- Fasten the clips using three #10 x 1" pan head screws.

Apply the clips with the short leg on the same side of the jamb as the clips with the long leg. These clips are oriented with the short leg towards the center of the jamb and protruding towards it. Approximately 3 ½" of the flat end of the clip should be sticking out from the exterior of the jamb. Fasten using a #10 x 1" pan head screw. When installed properly the end with the small leg will be slightly bent to stop the clip from spinning.

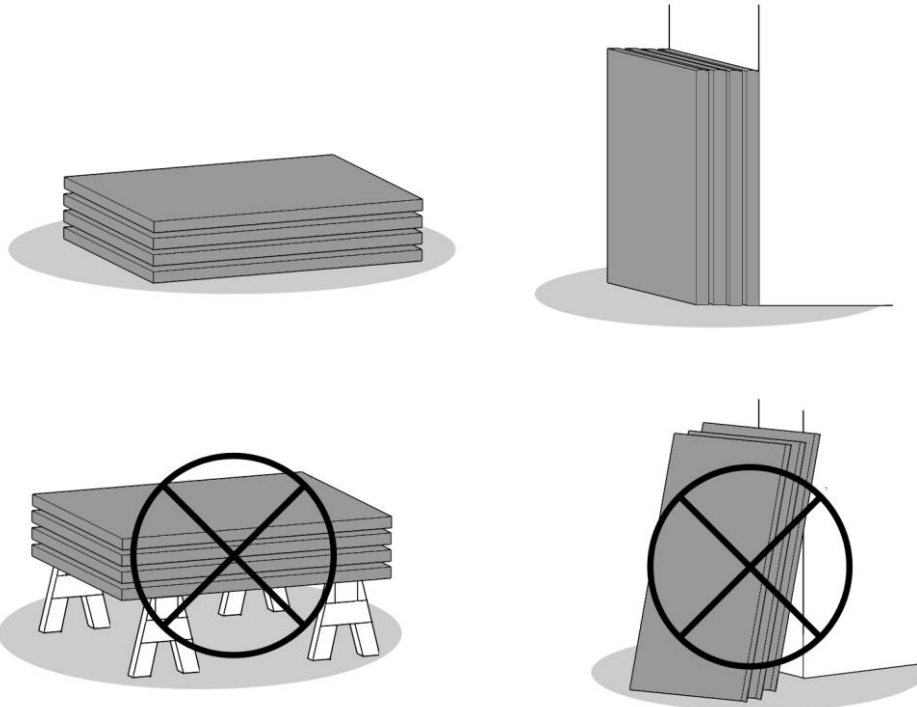
Space these clips 12" on center along the side and a maximum of 4" from the top and the bottom.

- Repeat these steps to install clips that extend to the interior side of the jamb as well.



## 2. Panel Storage

- Due to the nature and size of many of these units, panels are often shipped separately from the frame. Panels must be stored laying **fully supported** on a clean surface, or standing completely vertical.



**WARNING-** DO NOT store panels in a standing/ leaning position, or laying flat on saw bucks or blocks of any fashion. Improper storage can diminish the performance and life of the units.

- Panels supplied unfinished should have the finish applied as soon as possible, and within 24 hours of installation into jamb frame.
- Panels should be placed in an area completely protected from the elements or other damage until needed.
- DO NOT install hardware or handles on panels at this point. Damage can occur to these parts during installation or storage.
- DO NOT actuate the hardware mechanisms. The hardware is shipped in the correct position for installation from the factory. Actuating the hardware prior to install can lead to improper installation and hardware damage.

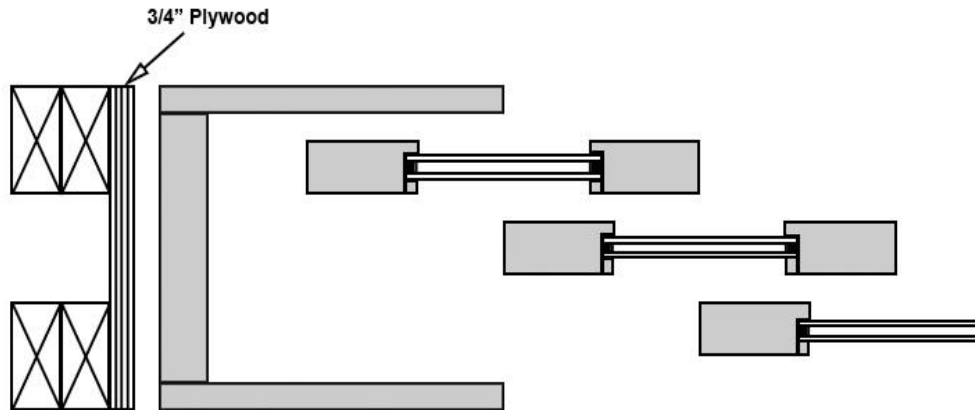
## 3. Opening Preparation- Head and Sides

- The side rough framing should be at least as wide as the supplied jamb frame. Sheeting and wall framing for covering the pockets should not be installed unless structurally required. Exterior framing for pocket should conform to your local building code.



- An ideal installation would provide a continuous plane of  $\frac{3}{4}$ " or greater thick plywood the width of the jamb to side studs and header securely fastened to accommodate installation hardware. Installation can be completed without this layer if the side studs and header align centered over the fastening locations.

## Ideal Side Opening Preparation



- A proper rough opening should provide  $\frac{1}{2}$ " of unobstructed clearance on both sides and top of the unit.
- The head track of a lift and slide unit does not need special reinforcement or additional structural support, as the track only provides a guide to the panels. The weight of the panels are not hung or supported by this track.

## 4. Opening Preparation- Sill

- The sill preparation of these units is the most important area most critical to proper unit performance. Great care should be taken to make sure the subfloor or masonry opening is completely smooth, flat, and level. The removal or addition of material or shimming may be required to obtain the proper surface for installation.
- The surface should provide full support along the entire length and width of the sill.
- Consideration should be made at this point as to the final intended height of the sill relative to the finished floor surface. Removal of material or further shimming may be needed to achieve your desired height.
- Any and all shimming done on the sill should provide full support to the entire bottom. Spaces in sill shimming will result in poor performance when completed.
- If layered shimming is used, be sure to seal between layers with caulk to prevent water infiltration between shim layers.
- A completed sill opening will be a single smooth, flat, level plane on which the jamb will rest.

## 5. Jamb Installation

**WARNING-** UV resistant exterior sealant must be used and be compatible with all materials it comes in contact with. Follow sealant manufacturer's instructions regarding surface cleaning, preparation, application, and temperature requirements when applying sealant. Failure to do so may result in water infiltration, property or product damage.

Metal fasteners and other hardware components may corrode when exposed to preservative treated or fire retardant lumber. Failure to use appropriate materials for installation may cause component failure resulting in injury, property or product damage.

**DO NOT** install wood products directly in contact with masonry or concrete openings. Apply a proper finish or barrier (i.e. tar paper or ice/ water membrane) between all wood and masonry/ concrete surfaces. Failure to do so may result in water infiltration, property or product damage.

### SILL

- Apply the adhesive backed rubber membrane to the sill opening allowing approximately 4" to wrap around and down onto the exterior sheeting to prevent water infiltration. The rubber membrane should also extend approximately 4" up the side of the opening and wrap to the exterior just as the bottom.  
\*If a Sill Pan is desired, one can be fabricated from sheet metal and installed as necessary.
- Apply 3 heavy beads of caulk (1/2" is sufficient) along the length of the sill opening. With one bead near the interior edge, one bead on the exterior edge, and one bead down the center.
- At the ends of the sill opening, apply a patch of caulk the entire depth of the sill at least 3 inches wide.
- Lift jamb into opening. Center the unit in opening side to side. Secure temporarily with clamps to prevent from falling out of opening.
- Double check sill level and flatness. A string line can be used to verify sill track straightness.
- Use provided 2 1/2" stainless steel screws to secure jamb sill into opening through holes with missing screws in bottom track. If fastening is desired in more locations, other existing track screws can be replaced with longer stainless screws. On units with excessively wide jambs, multiple tracks will be missing screws to be secured to prevent cupping. Be sure that at a minimum all holes left open by the factory are utilized for securing the sill.

### SIDE JAMB

- Starting on one side, plumb and shim the side jamb. Plumb should be checked both side to side and front to back on the side jamb. Shims should be placed a maximum of 24" apart and no farther than 4" from the top or bottom.
- DO NOT fully secure the side jamb until the unit is checked for square.
- Check for square by measuring diagonally from the upper left corner to the lower right corner. Then measure from the lower left corner to the upper right corner. When compared, these two measurements should vary by no more than 1/8". Shimming the top over left or right will adjust if out of square.
- When unit is level, plumb, and square you may secure the side jambs. Make sure that the fasteners are placed to go through your shims to prevent them from falling back out. Fasteners inside of pockets should be located centered with respect to the width of the jamb. Fastener spacing should be a maximum of 24" on center and no further than 4" from the top or bottom.

**NOTE-** Due to the wide nature of the jambs for these units, some installations will require shims and fasteners to be located near both the interior and exterior edges of the jamb rather than just a single row centered in the jamb. It is recommended that all jambs over 8" deep be secured in this manner.

- Side jambs where there is no pocket on one side should be secured using metal installation clips. To install with clips continue as follows:
  - Use a level to plumb side jamb both front to back and side to side. Shims can be placed behind the bent clips with the larger leg and tacked in to temporarily hold the side in place.
  - Place shims above or below positions where the straight clips extend out.
  - Once the entire side is plumb, Bend the straight clips to lay flat on the exterior framing or masonry. Fasten using a minimum of a #10 x 1 screw.
  - Repeat this on the interior side as well.

**WARNING-** DO NOT fasten the jamb through any factory applied finish that will have contact with the elements. Installing fasteners through a factory finish will VOID any warranty written or implied on the finish and life of the unit.

#### **HEAD**

The head jamb does not support the weight of the panels. It only serves as a guide for the panel tops. No extra stiffing, beams, or support needs to be installed to carry any extra load other than that specified by your local building code.

- Use a level and string line to check the level and straightness of the head jamb. DO NOT allow for any deflection greater than 1/8" in any direction; forward, back, up, or down. Deflection greater than 1/8" will result in poor operation of the unit.
- Shim at locations where the head track has open pre-drilled holes.
- Fasten through the track and shims using the provided 2 1/2" stainless steel screws.

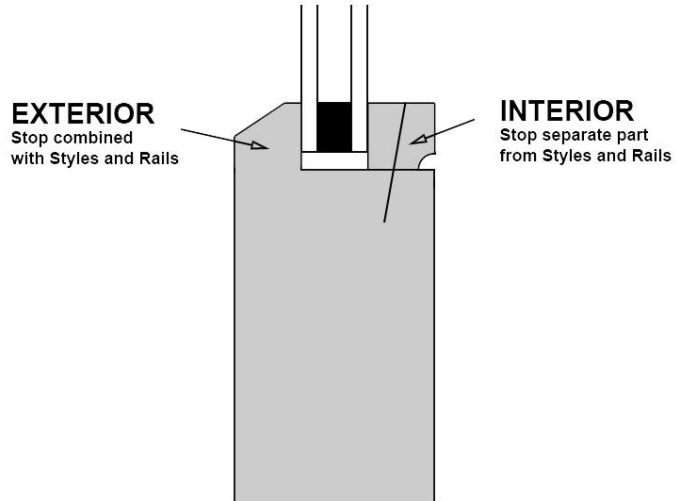
#### **SEALING- SIDES AND HEAD**

- Seal the voids between the jamb and opening on the head and sides by inserting backer rod or other insulation. DO NOT use expanding foam.
- On the exterior side, cover the void against the backer with silicone to seal the jamb to the opening.

## **6. Panel Installation**

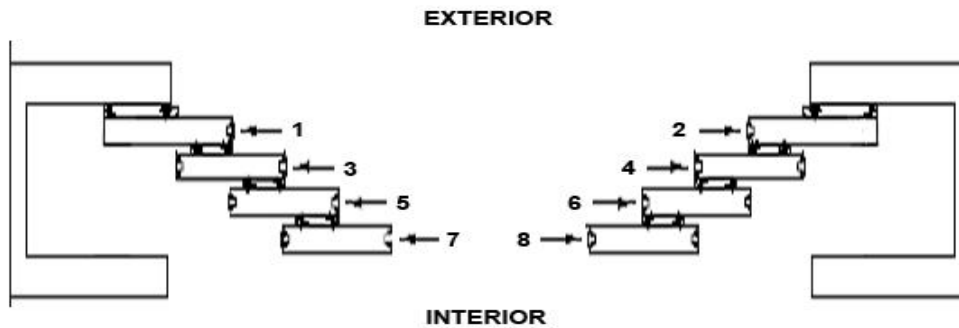
- All panels arrive from the factory with the hardware actuated to an installation position. DO NOT action the mechanism until told to do so by this instruction.
- Remove the upper track guides located in the ends of the top groove on the panels. Set these aside being careful not to lose the fastening hardware.

- Identify the interior from the exterior of the panels. On standard panels this can be identified by locating the glass or panel stops. The stop on the exterior side of the panel will NOT be a separate part from the styles and rails of the panel. The interior stop will be a separate part. On custom configurations other means of identification may be necessary such as; exterior color/ finish, operation direction/ configuration, metal cladding, or wood species when species differs from interior to exterior.

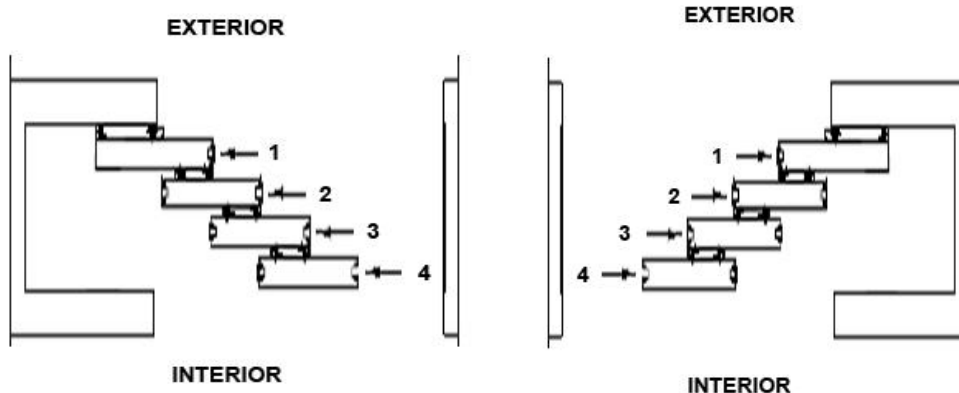


- Panels are designed to be installed in a specific configuration. From the interior panels in multiple panel configurations are numbered per track from left to right from the exterior track in, with the left starting at "1". From this point on all "left" and "right" instructions are to be interpreted from the interior looking out.

**EX.** On an 8 panel unit with a pocket on each side, the first track to the exterior would contain panels 1 and 2, left and right respectively. The middle track would contain panels 3 and 4. And the interior most track would contain panels 7 and 8.



- Units with a pocket only on one side are numbered in a similar fashion. These units will only have one panel per track and will be numbered starting with "1" counting inward from the exterior. This numbering is the same regardless of the location of the pocket on either the left or right side.





**NOTE-** All units have panels factory pre-fitted and adjusted. The hardware does not provide for any adjustment in the field or during installation. Poor operation conditions are a result of improper jamb or panel installation. Double check installed jambs for plumb, level, flat, and straightness. Extra shimming may be needed to keep jambs within tolerance. Also misalignment of panel rollers onto track, or non installation of top guides can cause improper operation. If after verification of these key points you still find the unit operation unsatisfactory please call for assistance at **(800) 541-9527** from 8:00 a.m. to 5:00 p.m. Central time or e-mail [info@parrettwindows.com](mailto:info@parrettwindows.com)

### **UNITS WITH POCKETS ON TWO SIDES**

- To install the first panel locate panel 1. Approach the jamb with panel 1 as far left in the left pocket opening as possible without damaging the jamb or sash. An appropriate distance left will allow the seal holding interlock on the exterior of panel 1 to be left of the exterior pocket stop.
- From the interior side slide the slot on the top of panel 1 over the exterior most track. Be sure that the exterior of the panel is facing to the exterior.
- Lift the panel until it stops and slide the bottom of the panel over the bottom outermost track. Set the panel down.
- Reinstall the upper track guides into the top groove of the track. Note the difference in the two required parts. The guide with a rubber bumper and 3 hole fastening pattern will be installed on the left end of the top groove (toward the left pocket). The track guide without a bumper and single fastener mounting will be located on the right end of the groove.

**NOTE-** These guides must be reinstalled for proper performance of the units. Non-installation of these parts can result in panel derailment, sloppy operation, and poor weather sealing.

- At this point the panel will not slide on the rollers because the hardware is in the locked position. Insert the handle in the upward position and rotate it 180 degrees downward. This action will lift the panel onto the rollers. Slide the panel side to side a few times to verify smooth operation, the panel rollers are in fact seated on the track, and there is no misalignment.
- Slide the panel to the left so the panel is about half way into the pocket. Leave the panel in the lifted/rolling position.
- Install panel 2 in the same manner, but at the pocket on the right side. All bumpers and hardware operation will be a mirror of the left side.
- The upper guides on panel 2 will be on opposite ends compared to panel 1. The guide with the bumper will be located on the right end towards the right pocket.
- Slide the panel to the right so the panel is about half way into the pocket. Leave the panel in the lifted/rolling position.
- Locate panel 3. Approach the jamb with the panel. Approximately align the center of panel 3 with the right edge of panel 1. Insert the top of panel 3 over the next track inward from the track the prior panels were installed on.
- Install track guides as necessary. The top track guide with the bumper will go towards the left pocket end of the top groove.
- Panel 3 is in the downward and locked position. Actuate the hardware to check for correct operation. Leave the panel in the lifted/rolling position.
- Repeat installation with panel 4 as panel 3 but this time centering panel 4 on the left edge of panel 2.
- Repeat installation with the remainder of the panels as with panels 3 and 4 working your way to the interior.



- Slide all panels into the pockets.
- Replace the covers removed during the jamb preparation procedures.
- Operate the units several times to ensure proper operation.
- Upon a correct panel installation, when pulled to the center, the last panels should also pull along the next panel and so on. If the panels are not operating in a chain-like fashion, remove the panels to the section that is not following properly and attempt to reinstall. Be sure the correct panel number is in the correct position, the alignment is centered on the prior panel before fitting on the track, and that the rollers are properly seated and rolling on the track.
- Install all loose parts and hardware.

### UNITS WITH POCKETS ON ONE SIDE

- To install the first panel locate panel 1. Approach the jamb with panel 1 as near the left pocket opening as possible without damaging the jamb or sash. An appropriate distance will allow the seal holding interlock on the exterior of panel 1 to be inside of the pocket and behind the exterior pocket stop on the jamb.
  - From the interior side slide the slot on the top of panel 1 over the exterior most track. Be sure that the exterior of the panel is facing to the exterior.
  - Lift the panel until it stops and slide the bottom of the panel over the bottom outermost track. Set the panel down.
  - Reinstall the upper track guides into the top groove of the track. Note the difference in the two required parts. The guide with a rubber bumper and 3 hole fastening pattern will be installed on the end of the top groove toward the pocket. The track guide without a bumper and single fastener mounting will be located on the end of the groove away from the pocket.
- NOTE-** These guides must be reinstalled for proper performance of the units. Non-installation of these parts can result in panel derailment, sloppy operation, and poor weather sealing.
- At this point the panel will not slide on the rollers because the hardware is in the locked position. Insert the handle in the upward position and rotate it 180 degrees downward. This action will lift the panel onto the rollers. Slide the panel side to side a few times to verify smooth operation, the panel rollers are in fact seated on the track, and there is no misalignment.
  - Slide the panel so that it is approximately half way into the pocket and turn the handle to lock it in place.
  - Locate panel 2. Approach the jamb with the panel. Approximately align the center of panel 2 with the edge of panel 1 that is away from the pocket. Insert the top of panel 2 over the next track inward from the track the prior panel was installed.
  - Lift the panel until it stops and place the bottom of the panel over the next track inward from the track the prior panel was installed.
  - Install top track guides as necessary with bumper guides on the pocket end of the top groove.
  - Panel 2 is in the downward and locked position. Actuate the hardware to check for correct operation. Leave the panel in the lifted/ rolling position.
  - Repeat installation with the remainder of the panels as with panels 2 working your way to the interior one track at a time.
  - Slide all panels into the pocket.
  - Replace the jamb covers removed during the jamb preparation procedures.
  - Operate the units several times to ensure proper operation.

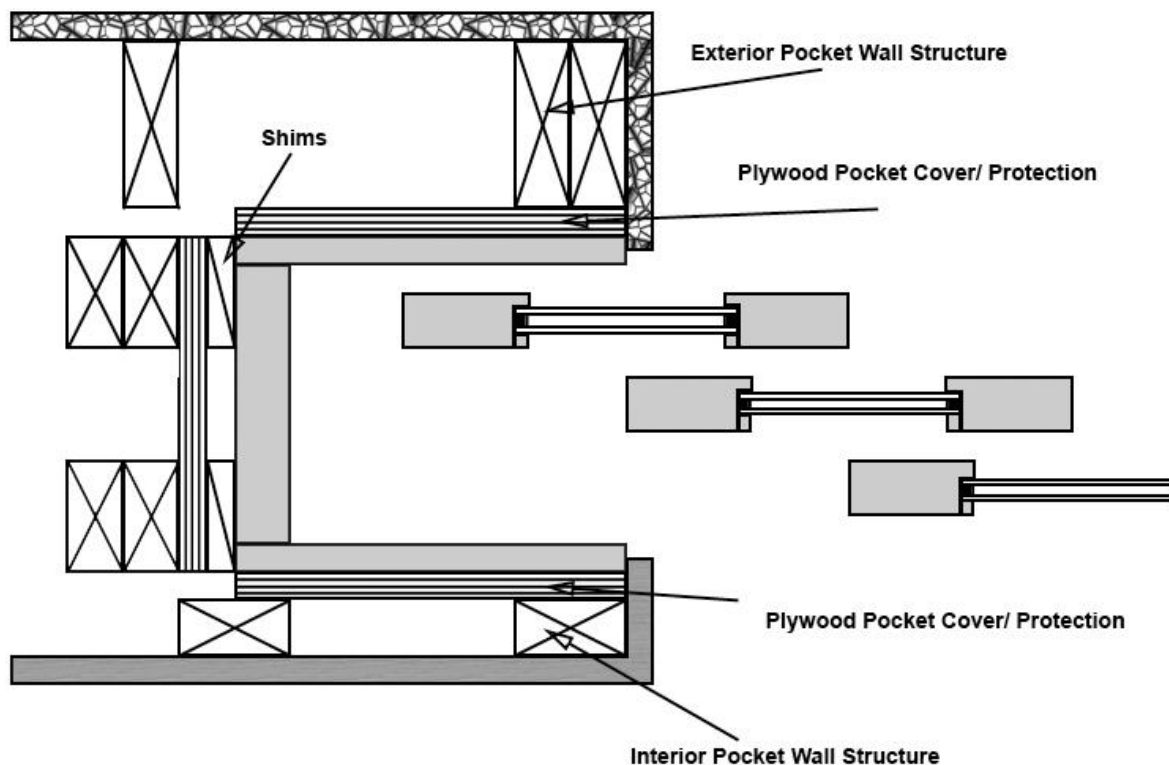
- Upon a correct panel installation, when pulled to the center, the last panels should also pull along the next panel and so on. If the panels are not operating in a chain-like fashion, remove the panels to the section that is not following properly and attempt to reinstall. Be sure the correct panel number is in the correct position, the alignment is centered on the prior panel before fitting on the track, and that the rollers are properly seated and rolling on the track.
- Install all hardware and any parts ordered loose.

## 7. Finishing Installation

Pocket wall framing and sheeting can now be completed per local code. Where code does not exist follow these minimal guidelines to ensure proper performance of unit.

**WARNING-** DO NOT apply exterior sheeting or interior finish surface directly to the provided pocket structure. The exterior wall should conform to local code as well as a frame built on the interior to apply interior wall finish.

- Apply sheeting to pocket frame to close pocket sides and keep out debris/ insulation. Make sure fasteners are of proper length to not enter the pocket.
- The pocket's exterior wall should be built and insulated to conform to local code for exterior walls.



- The wall next to the pocket must be plumb, level, and straight within a 1/8" tolerance. When fastening framing or trim near the pocket opening use a string line to keep the pocket opening straight. A bow in the pocket opening may contact and damage panels, prevent the unit from sealing, or cause improper operation.

- When applying trim and casing make sure all fasteners are of proper length to prevent interference with the track, rollers, or seals.
- All exterior trim, casing, wall, sheeting, or other finishing materials should be properly caulked with a UV safe sealant exterior sealant.

**WARNING-** UV resistant exterior sealant must be used and be compatible with all materials it comes in contact with. Follow sealant manufacturer's instructions regarding surface cleaning, preparation, application, and temperature requirements when applying sealant. Failure to do so may result in water infiltration, property or product damage.

- 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](http://www.parrettwindows.com) or contact customer service at **(800) 541-9527**.

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

## Troubleshooting

**NOTE-** All units have panels factory pre-fitted and adjusted. The hardware does not provide for any adjustment in the field or during installation. Poor operation conditions are a result of improper jamb or panel installation. Double check installed jambs for plumb, level, flat, and straightness. Extra shimming may be needed to keep jambs within tolerance. Also misalignment of panel rollers onto track, or non installation of top guides can cause improper operation.

If after verification of these key points you still find the unit operation unsatisfactory please call for assistance at **(800) 541-9527** from 8:00 a.m. to 5:00 p.m. Central time or e-mail [info@parrettwindows.com](mailto:info@parrettwindows.com)