CAUTION: Many windows in older homes are painted with lead-based paint. Removal of old windows may disturb this paint. Proper precautions must be taken to minimize exposure to dust and debris. Consult state or local authorities and/or go to ***www.epa.gov/lead*** for more information.

⚠️ **WARNING:** To ensure safety and security and help prevent property damage, including possible damage to your window or door, close and lock windows and doors any time they are not being used for venting on a nice day, and particularly during high winds or rain.

IMPORTANT NOTICE

Because all construction must anticipate some water infiltration, it is important that the wall system be designed and constructed to properly manage moisture. Pella Corporation is not responsible for claims or damages caused by anticipated and unanticipated water infiltration; deficiencies in building design, construction and maintenance; failure to install Pella products in accordance with Pella's installation instructions; or the use of Pella products in wall systems which do not allow for proper management of moisture within the wall systems. The determination of the suitability of all building components, including the use of Pella products, as well as the design and installation of flashing and sealing systems are the responsibility of the Buyer or User, the architect, contractor, installer, or other construction professional and are not the responsibility of Pella.

Pella products should not be used in barrier wall systems which do not allow for proper management of moisture within the wall systems, such as barrier Exterior Insulation and Finish Systems (EIFS) (also known as synthetic stucco) or other non-water managed systems. Except in the states of California, New Mexico, Arizona, Nevada, Utah and Colorado, Pella makes no warranty of any kind on and assumes no responsibility for Pella windows and doors installed in barrier wall systems. In the states listed above, the installation of Pella Products in barrier wall or similar systems must be in accordance with Pella's installation instructions. Product modifications that are not approved by Pella Corporation will void the warranty.

Care and Maintenance

Care and maintenance information is available by contacting your local Pella retailer. This information is also available at ***www.pella.com.***

Cleaning Instructions

GLASS—Remove any protective film and labels and clean the glass, using a soft, clean, grit-free cloth and mild soap or detergent. Be sure to remove all liquid by wiping dry or use a clean squeegee.

FACTORY FINISHED PRODUCT: Pella product that has been prefinished with stain or paint from the factory requires no additional finishing. Clean the surface with mild soap and water.

PELLA® ALUMINUM CLAD OR IMPERVIA FRAMES: The interior and exterior frame and sash are protected with a tough factory finish. Clean this surface with mild soap and water. Stubborn stains and deposits may be removed with mineral spirits. DO NOT use abrasives. DO NOT scrape or use tools that might damage the surface.

ENCOMPASS BY PELLA®, PELLA® 150 SERIES AND PELLA® 250 SERIES WINDOWS FRAMES: The vinyl frame may be cleaned using the same method as the glass. For stubborn dirt, a "non-abrasive" cleaner such as Bon-Ami® or Soft Scrub® may be used. Do not use solvents such as mineral spirits, toluene, xylene, naphtha or muriatic acid as they can dull the finish, soften the vinyl and/or cause failure of the insulated unit seal. Do not use Isopropyl Alcohol on laminated surfaces as it will damage the finish. Keep door tracks clear of dirt and debris. Keep weep holes open and clear of obstructions.

DO NOT use abrasives. DO NOT scrape or use tools that might damage the surface.

Notice: DO NOT use inappropriate solvents or brickwash or cleaning chemicals. If you do, permanent damage can result and the product failure, loss or damage would not be covered by the Limited Warranty.

Interior Finish (Wood Windows)

Paint or finish immediately after installation.

If products cannot be finished immediately, cover with clear plastic to protect from dirt, damage and moisture. Remove any construction residue before finishing. Sand all wood surfaces lightly with 180 grit or finer sandpaper. DO NOT use steel wool. BE CAREFUL NOT TO SCRATCH THE GLASS. Remove sanding dust. Pella products must be finished per the below instructions; failure to follow these instructions voids the Limited Warranty.

NOTE: To maintain proper product performance do not paint, finish or remove the weatherstripping, mohair dust pads, gaskets or vinyl parts. Air and water leakage will result if these parts are removed. After finishing, allow venting windows and doors to dry completely before closing them. If paint, stain or finish gets on the weatherstripping, wipe it off immediately with a damp cloth.

Window Cleaning and Prep Instructions for Unfinished or Primed windows: Dry wipe dust from windows gently. Examine window for possible smudges or fingerprints made from normal handling or construction. To remove smudges, lightly wipe surface with warm water. Scuff sand with light grade sand paper or abrasive pad (220 grit or higher). Rinse surface with warm water. Let window surfaces dry completely before applying finish.

Finish the windows as soon as possible after installation.
- On casement and awnings, it is optional to paint, stain or finish the vertical and horizontal sash edges.
- On single-hungs and double-hungs, do not paint, stain or finish the vertical sash edges, any finish on the vertical sash edges may cause the sash to stick; it is optional to paint, stain or finish the horizontal sash edges.

Pella Corporation is not responsible for interior paint and stain finish imperfections for any product that is not factory-applied by Pella Corporation. For additional information on finishing see the Pella Owner's Manual or go to ***www.pella.com.***

The use of unapproved finishes, solvents or cleaning chemicals may cause adverse reactions with door materials. Pella will not be responsible for problems caused by the use of unapproved materials. If in doubt, contact your local retailer or representative.

Exterior Finish of Existing Frame (Pocket Replacement)

It is the responsibility of the homeowner, contractor or installer to ensure any exposed unfinished wood is covered or finished. Possible methods include, however are not limited to, covering with aluminum coil stock or painting.

For Casement Hardware Installation go to: ***www.installpella.com/trimaccessory/hardware.***

FULL FRAME REMOVAL WHEN PREPARING TO INSTALL A NEW BLOCK FRAME AND RENOVATION® / PRECISION FIT® WINDOWS

This method of Full Frame Removal involves removing the sash and entire frame of the existing window from the wall. The resulting opening is the original rough opening. The existing window nailing fins are usually nailed to the studs in frame construction with siding, brick veneer or other exterior material applied over the fin on the outside. The interior may have a drywall return from the wall to the window frame.

CAUTION: Many windows in older homes are painted with lead-based paint. Removal of old windows may disturb this paint. Proper precautions must be taken to minimize exposure to dust and debris. Consult state or local authorities and/or go to *www.epa.gov/lead* for more information.

TOOLS REQUIRED:
- Utility knife
- Phillips and Standard screwdrivers
- Pry bar
- Reciprocating saw
- Hammer
- Putty knife
- Deglazing wheel
- Heat gun
- Angle Grinder with cutting wheel

REMEMBER TO USE APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT.
APPLY ADHESIVE FILM OR DUCT TAPE TO THE GLASS TO PREVENT BREAKAGE.

A. **Score the paint or varnish** between the interior trim and the wall or between the drywall return and the window frame to minimize damage.

B. **Remove the interior trim**.
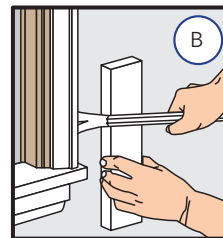
**To collapse aluminum frames follow steps C-M.**

To cut vinyl, clad wood, or aluminum frames out of the opening, see steps M and N.

C. **Score the sealant** or paint between the exterior siding or brick and the window frame.

D. **Remove the screen and vent sash** from the old window. If it is not removable, see steps G-I.

E. **Remove the division bar** by removing the screws at the ends or cutting it with a reciprocating saw.

F. **Remove the other sash/panel.** Remove any screws holding the fixed sash. Slide and lift out of the channel (sliding windows) or tilt and release from the balance assembly (hung windows).
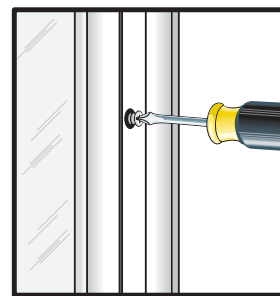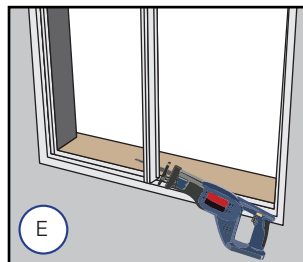
If the sashes are not removable or the glass is sealed to the frame:

G. **Remove the glazing bead** using a putty knife or small pry bar.

H. **For single pane windows with divided lights (grids):** Use an angle grinder with a cut-off wheel to cut the end of the bars where they intersect with the sash or frame. This will allow the window glass to be removed more quickly.

I. **Heat the glazing seal** using an electric heat gun.

J. **While applying heat,** press a de-glazing wheel between the glass and sash or frame. Continue around the perimeter of the sash or panel. Apply light, constant pressure to separate the glass from the sash or frame. Dispose or recycle the glass properly.

   NOTE: Wear appropriate personal protective equipment and keep the heat source away from flammable materials.

K. **Pry the frame away from the brick or siding.** Use a block of wood under the pry bar to protect interior or exterior finishes. Dispose or recycle the frame materials properly.
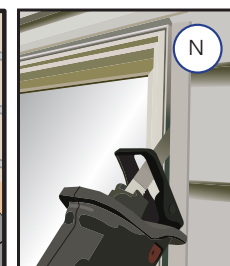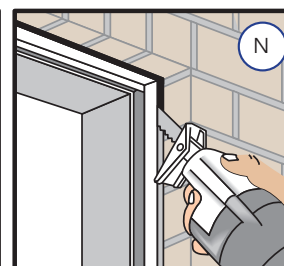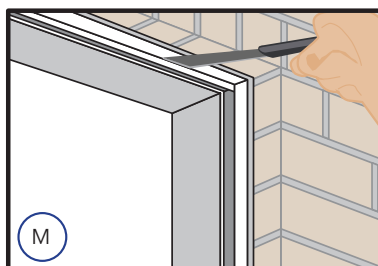
L. **Cut through the frame** using a reciprocating saw.
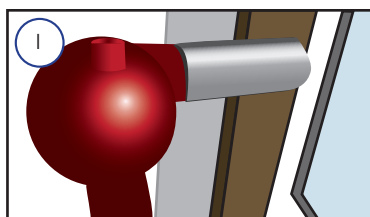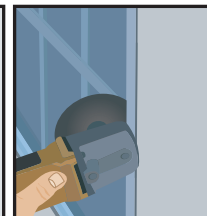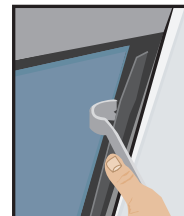
Cutting out vinyl, clad wood or aluminum frames:

M. **Temporarily pry any head flashing up** to avoid damaging or cutting it.

N. **Cut through the sealant line** and nailing fin on all four sides using a reciprocating saw. Ensure the blade does not penetrate the interior where damage can occur to the drywall.

Consult with local providers and authorities to recycle or properly dispose of old window components.

YOU WILL NEED TO SUPPLY:

- Moisture resistant shims/spacers
- Fasteners (see nail fin anchor instructions and tables at the end of this booklet)
- Closed cell foam backer rod/sealant backer
- Pella® SmartFlash™ foil backed butyl window and door flashing tape or equivalent
- Low expansion, low pressure polyurethane insulating window and door foam sealant. **DO NOT** use high pressure or latex foams.
- Pella Window and Door Installation Sealant or equivalent high quality, multi-purpose sealant

TOOLS REQUIRED:

- Tape measure
- Level
- Square
- Hammer
- Stapler

- Scissors or utility knife
- Small flat blade screwdriver
- Sealant Gun
- Screw Gun with a Phillips Driver bit
- Drill with 1/8", 5/32", 3/16" & 3/8" drill bits
- 1/8" Allen wrench

Other construction materials may be required. Read and understand the instructions and inspect the wall conditions before you begin.

Store windows in upright position, out of direct sunlight.

TWO OR MORE PEOPLE WILL BE REQUIRED FOR THE WINDOW INSTALLATION.

1 PREPARING FOR INSTALLATION

A. **Remove plastic wrap and cardboard packaging from the window.** On laminate units, remove protective film from parts. Do not cut checkrail bands (if present) or remove plastic or foam shipping spacers located between the window sash and frame. DO NOT open the window until it is securely fastened.

B. **Inspect the product for any damage** such as cracks, dents or scratches. DO NOT install damaged windows.

C. **Remove screens and hardware (**if necessary). Label them and set aside in a protected area.

Windows with Half Screens:

From the exterior, pull one side of the screen near the shipping clips until the clips disengage from the frame. Rotate the shipping clips toward the exterior of the screen until they snap free from the screen.

Half screens of some vinyl windows can be removed from the interior.

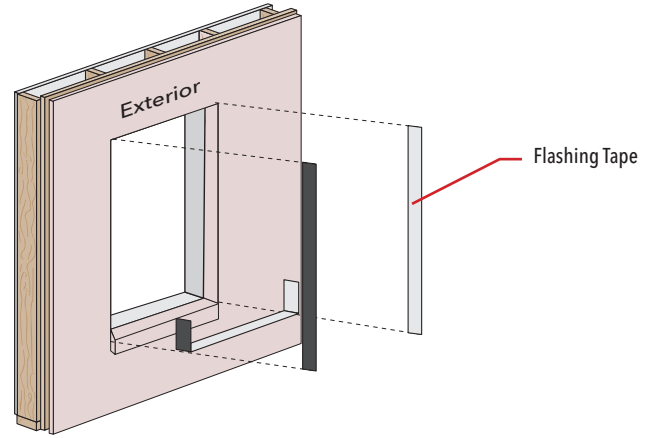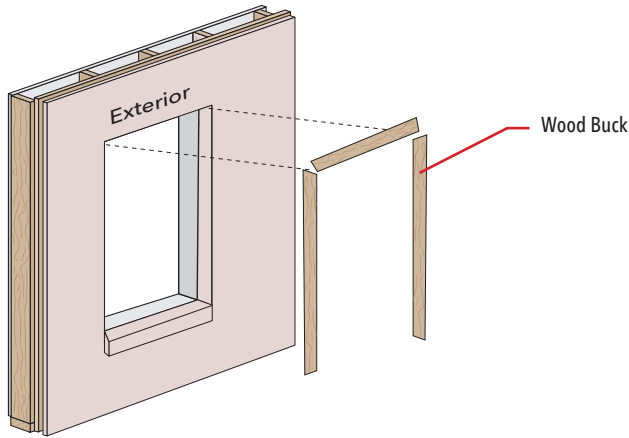Before Installation, remove dirt and debris from all surfaces of the opening.

D. **Read the entire instruction before proceeding.**

Wood Buck

Flashing Tape

1 PREPARE THE OPENING

Refer to the full frame removal instruction at the beginning of this booklet.

A. **Measure the width and height of the opening.**
The window must be approximately 1/2" smaller in width and height.
If replacing a wood buck, trim back any finish materials to accommodate the new wood buck.
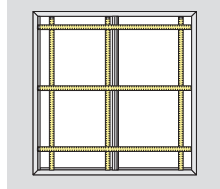
B. **Apply 2 beads of sealant** to the masonry opening where the wood buck will be attached.
NOTE: Ensure the sealant is compatible with the water resistant coating.
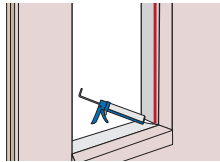
C. **Apply sealant at the corners** of the wood buck and at the intersection of the wood buck and stucco. Fasten the treated wood buck to the masonry opening using code-approved fasteners.
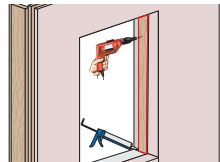
D. **Apply flashing tape** from the stool over the top of the pre-cast concrete sill and 6" up each side. Apply water resistant coating or flashing tape over the wood buck. If using liquid applied flashing, allow it to dry according to the manufacturer's recommendations before proceeding.

E. **Install and level sill shims.** Place 1" wide x 1/4" to 3/8" thick shims 1/2" from each side. Keep shims back 1/2" from interior face of window. Place additional shims under each mullion and sliding window interlocker.
For vinyl windows, add shims so maximum spacing is 18".
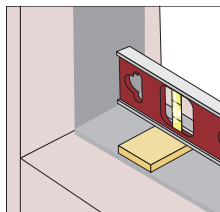
F. **Attach shims to prevent movement after they are level.**
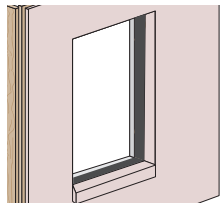*NOTE: Improper placement of shims may result in bowing the bottom of the window.*

2 PREPARE THE WINDOW

FRAME SCREW INSTALLATION

A. **Prepare the frame (if applicable).**
Remove interior frame covers—Impervia casement.

B. **Drill pilot holes** (if necessary) in the new window frame. See the anchor instructions at the end of this booklet.
NOTE: Where possible, use frame screws at the sill to avoid penetrating the interior seal. Do not screw through the sill when a sill track is part of the window's weep system.

CLIP INSTALLATION

C. **Pre-bend clips** if anchors will be installed into the interior wall surface (Metal clips only).
See the anchor spacing instructions at the end of this booklet.

D. **Secure clips to the window frame:**

Encompass by Pella® / Pella® 150 Series / Pella®250 Series

Sill accessory groove

Attachment clip

SLIDING WINDOW SILL

2 PREPARE THE WINDOW (Continued)
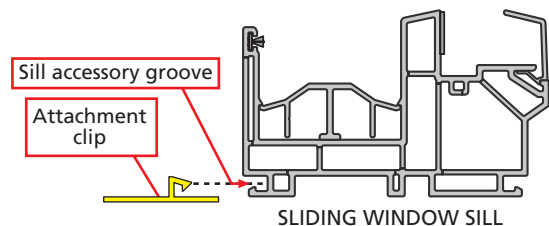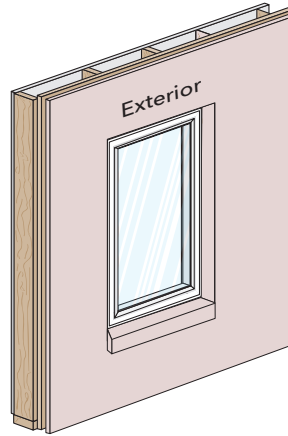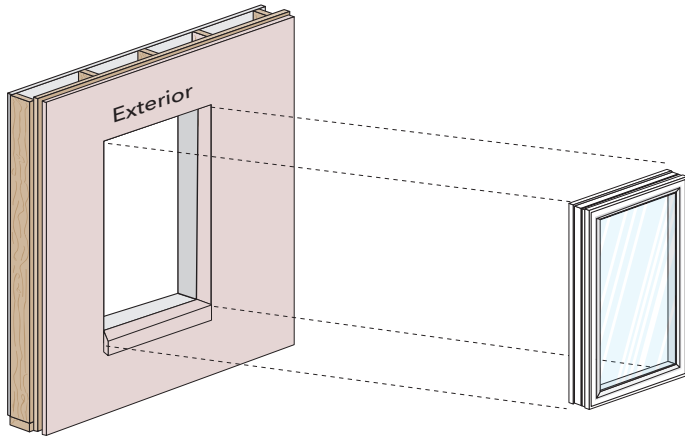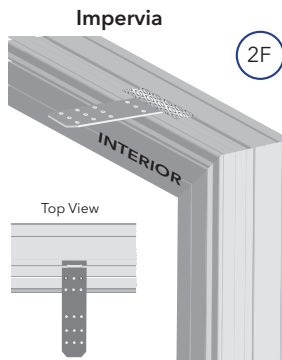
Pella® Impervia®:

E. **Slide clips into the frame grooves.**

   NOTE: Pre-bend clips if anchors will be installed into the interior wall surface (Metal clips only).

F. **Secure the clips to the frame.** Use a small piece of flashing tape to prevent the clips from sliding out of place (Pella® Impervia®).


Impervia

Architect Series (850) and Pella® Lifestyle Dual-Pane Series:

G. **Install the clips into the fin grooves.** Start one corner of the clip in the fin groove. Tap the corner into the fin groove with a hammer, then continue to tap the other corner until the clip is locked into the groove.

H. **Secure the clips to the frame.** Drive one #8 x 5/8" screw through the slotted hole in the center of the clip.
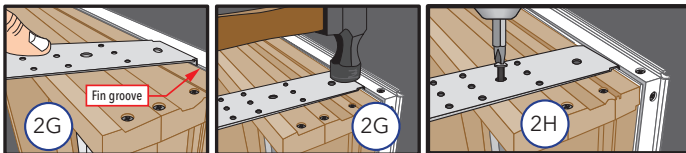
Alternatively, it is acceptable to use two #6 x 5/8" screws through the clip with the clip on its back and not engaged in the fin groove.
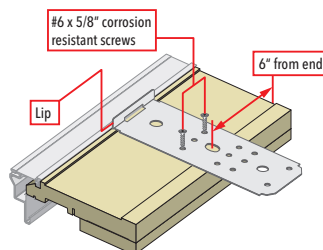
3 SET AND FASTEN THE WINDOW

A. **Insert the window into the opening** by placing the front edge of the window sill on the opening sill and tilting the window up. Center the window between jambs. Check to make sure the distance from the interior of the new window to the interior of the existing window is consistent all around the window.

B. **Place sealant under each clip** (if applicable).

C. **Place shims and begin driving screws** at each predrilled hole in the window frame or each clip. Install masonry screws at least 2" from wall edge.

   Refer to the anchor instructions at the end of this booklet.

   Keep shims 1/2" from the interior surface of the window to allow for a continuous interior and exterior seal.

D. **Check window operation.**

   Vent Awning and Casement: Refer to applicable hardware instructions. Unlock and open the window to remove the shipping spacers. Open and close the window to test for proper operation.

   Double-Hung: Cut the checkrail bands (if applicable) and remove shipping spacers. Open, close and tilt the sashes to test for proper operation. Check for equal sash to frame reveal from top to bottom.

D. **Check for plumb, level, and square**. Make any necessary adjustments to shims and finish installing frame screws or clip anchors.

F. **Adjust the screw jacks (if applicable)** with a screwdriver. Turn clockwise to move the frame toward the sash.

   Tilt the lower sash inward to locate the jamb jacks in the interior balance channel near the checkrail.

G. **Install interior sealant.** Refer to the interior sealant instructions at the end of this booklet. Use additional sealant around clips to prevent air and water infiltration.

H. **Install exterior sealant** between the window and the finished wall material. Refer to the exterior sealant instructions at the end of this booklet.

I. **Install optional frame expander** trim to bridge the gap between the window and the existing stucco.

J. **Apply exterior sealant between the edge of the frame expander and the finished wall material.** Refer to the exterior sealant instructions at the end of this booklet.
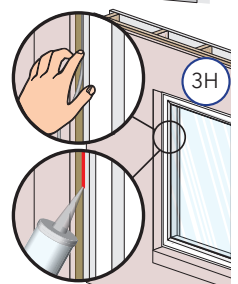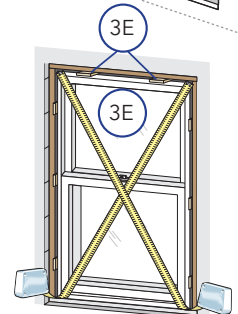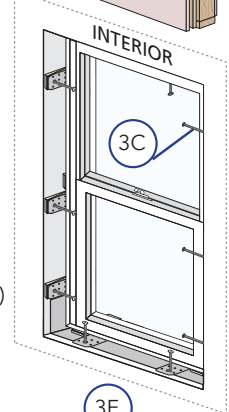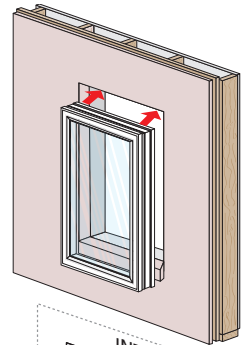
Note: Standard performance only. Additional anchoring may be required for performance upgrade, impact resistant products or to comply with local building code requirements.

PLACE FRAME SCREWS OR CLIPS AT THE LOCATIONS INDICATED

ARCHITECT SERIES® (850) AND PELLA® LIFESTYLE SERIES WINDOW ANCHOR SPACING INSTRUCTIONS

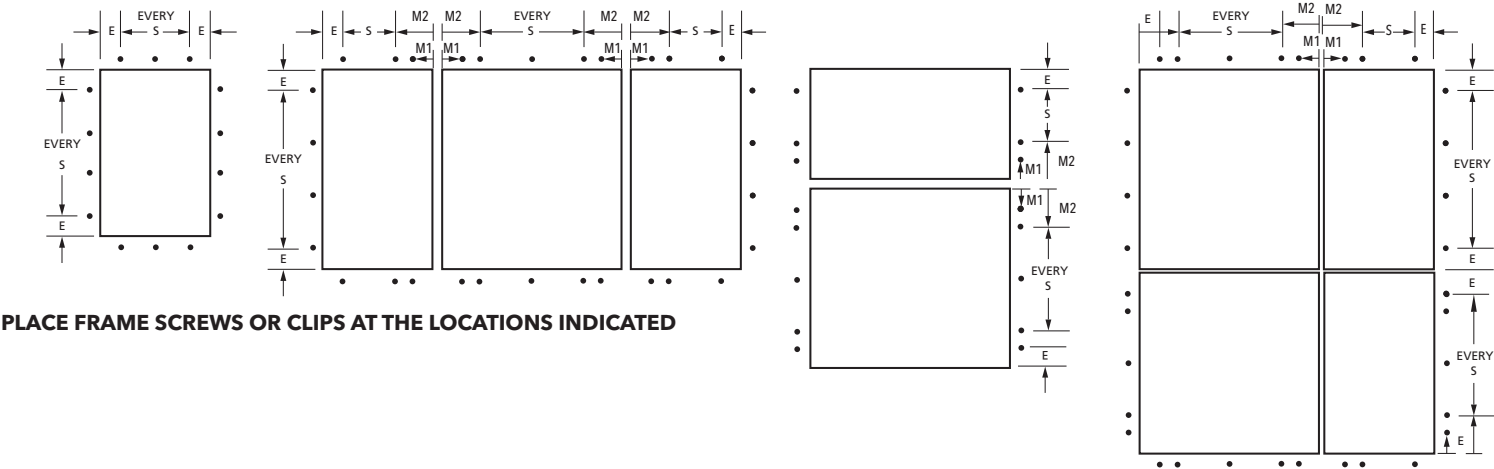| Product	Edge Spacing (E)	Max. Intermediate Spacing (S)	First Mullion Anchor (M1)	Second Mullion Anchor (M2)	Fastener Wood **	Special Notes
Casement/ Awning	6"	16"	3"*	6"	#8x3" Finish Screw	
Double- or Single- Hung	6"	16"	3"*	6"	#8x3" Finish Screw	For windows with integrated Rolscreen® retractable screen, drive jamb screws at each factory pre-punched hole in the jamb liner. Add fasteners as necessary, driving the head past flush of the jamb liner. Avoid Rolscreen components in the head and sill.
Fixed Frame	6"	16"	3"*	6"	#8x3" Finish Screw	
Monumental DH > 54" x 96"	6" (head)	16" (head)	3" *	6" *	#8 x 3" Screw	Remove sashes and jamb liners. Drive 1 screw though each jamb liner support clip (top, bottom, checkrail and center of each sash). Drive 2 additional screws through the frame (or secure clips) 3" above and below the checkrail on each jamb. Drive additional screws through the frame (or secure clips) centered between each jamb liner support clip.

* M1 anchor required if design pressure exceeds 20 psf.

** For light gauge steel framing, use #10 self-drilling/self-tapping screws; For concrete or masonry, use 3/16" masonry screws with 1-1/4" minimum embedment.
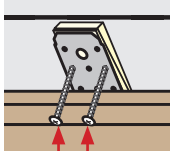
#6 x 1-1/2" screw
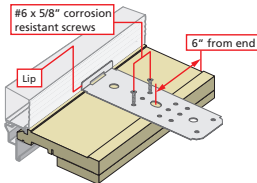
#6 x 5/8" corrosion resistant screws

6" from end

Lip

1/8" Pilot Hole Locations

	Casement/Awning	Lifestyle Series Double-Hung	Architect Series Double-Hung	Monumental-Hung
Head				
Jamb			Units with Integrated Rolscreen	Pry Here
Sill	Do not install fasteners through operator cutout.		Not applicable for units with Integrated Rolscreen	Sill anchors not required.

Monumental Hung jamb liner support clip

Pry off Monumental Double-Hung jamb liner
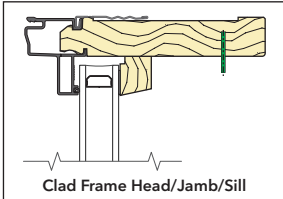
Clad Frame Head/Jamb/Sill

NOTE: Standard performance only. Additional anchoring may be required for performance upgrade, impact resistant products or to comply with local building code requirements.

PELLA® IMPERVIA® WINDOW ANCHOR SPACING INSTRUCTIONS

Product	Edge Spacing (E)	Max. Intermediate Spacing (S)	First Mullion Anchor (M1)	Second Mullion Anchor (M2)	Fasteners*	Special Notes
Sliding and Sash Set Fixed					#8 x 2-1/2" Pan Head (provided)	Installation clips required for anchoring at the sill.
Single-Hung	6"	16"	6"	3"		Sill anchors not required for single wide units. Installation clips required for mullion anchoring.
Double-Hung						
Casement/Awning – Vent and Fixed					#8 x 2" Pan Head (provided)	Head and Sill anchors not required when single-wide unit with frame width less than 42".
Direct Set	6"	15"			#10 x 3" Pan Head (provided)	Install screws at pre-marked locations after removing interior frame covers (see below).

Use Factory Drilled installation holes if present.

Install hole plugs after driving screws (except CM/AW and Direct Set)

* For light gauge steel framing, use #10 self-drilling/self-tapping screws

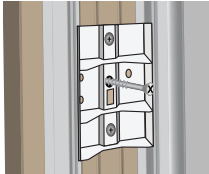For concrete or masonry, use 3/16" masonry screws with 1-1/4" minimum embedment.

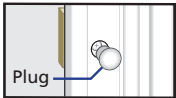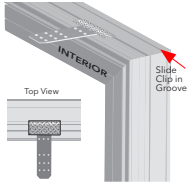**Clip Anchor Method Only**

Slide clips into the frame groove and locate per the anchor spacing instructions. Use a small piece of flashing tape to hold the clips in place.

(3) # 8 x 1-1/4" screws through clip into rough opening.

Plug
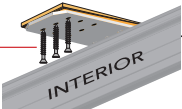
Mullion Anchoring Diagram

Use Factory Drilled installation holes if present.

Composites (Integral) or Standard Joining: M1 anchor using a through frame fastener or installation clips.

1/2" Structural, 1" Structural, or 1/2" Structural with Reinforcement: M1 and M2 anchors required.

1" Structural with 1 or 2 Reinforcements: M1, M2, and M3 anchors required.

*Anchors required at each mullion end. Anchor using through frame fasteners or installation clips.

M3 ← M2 ← M1 → ← M1 → M2 → M3

Pilot Hole Locations and Sizes

Removable Interior Cover

3/16"

3/16"

Casement/Awning*

3/8"   5/32"

Double-Hung

3/8"   5/32"

Single-Hung/Sliding/Sash Set Fixed

Install screws at groove

3/8"

Masonry only drill 3/8" pilot hole through interior wall.

5/32"
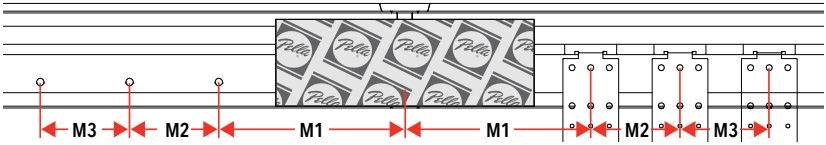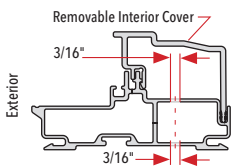
Direct Set**

***If an Interior Frame Cover has a "Quick Release Band" around the cover; pull the band to help remove the cover.
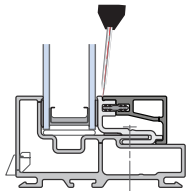
****Use putty knife; insert where indicated and slide cover to interior.

NOTE: Standard performance only. Additional anchoring may be required for performance upgrade, impact-resistant products or to comply with local building code requirements.

ENCOMPASS BY PELLA® / PELLA® 150 SERIES WINDOW ANCHOR SPACING INSTRUCTIONS

Product	Edge Spacing (E)	Max. Intermediate Spacing (S)	First Mullion Anchor (M1)	Second Mullion Anchor (M2)	Fastener Wood***	Special Notes
Sliding Window (East and West)	6"	16"	3" / centered	8" / none	#8 x 1-1/4" Pan Head (provided)	Use M1 and M2 spacing for screws at head of meeting rail. Center 1 clip below the meeting rail.
Single-Hung (West)	6"	16"	3"	6"	#8 x 2-1/2" Pan Head (provided)	Use M1 and M2 spacing for screws at the head only with mullions.
Single- and Double-Hung (East)	Factory Pre-Drilled**		4"	8"	#10 x 2" Pan Head (provided)	High Performance DH: (3) #8 x 2" jamb frame screws, 4" apart at checkrails. Use (4) #8 x 2" screws at head mullion ends and 4 clips at sill mullion ends 3" and 6" from mullion. Use self-adhesive spacer at all installation holes for ≥ PG50 Performance Installs.
Fixed Window	4"*	16"*	4"	none	#8 x 3" Pan Head (provided)	Use clips at the sill at mullions and centered under fixed casements in 3-wide combinations.

All venting products: Head and sill anchors are required on composites only.
* Use Factory Drilled installation holes if present.
** For DH & SH units >62" tall add 2 screws per jamb, midway between top and bottom pre-drilled holes.
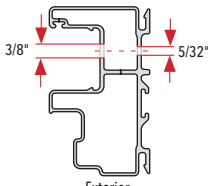
*** For light gauge steel framing, use #10 self-drilling/self-tapping screws; for concrete or masonry, use 3/16" masonry screws with 1-1/4" minimum embedment.

Pilot Hole Locations and Sizes

Double-, Single-Hung and Sliding Window

Plug

Remove head pocket cover before drilling holes. Re-install after install is complete.

HEAD 3/4" 5/32" 1/2"

EXTERIOR

Sliding, Single- and Double-Hung window hole location.

Clip Installation for Mullions

Attachment clip

1/2" 3/8" 1/2"

Sill accessory groove

Attachment clip

Drill (2) 5/32" holes and install (2) #10 x 1-1/2" screws per clip.

Single Hung (West)

Take-out clip

Before drilling jamb installation holes, pull out the bottom of the take-out clip on each jamb.

Take-out clip
Balance
Bottom end guide

Raise the sash until the balance engages the take-out clips. Slide the sash all the way to one side and pull out the opposite side. Carefully set the sash aside.

Balance hook

Separate the balances from the take out clips by holding them at top and bottom and pushing down 1". Tilt the top of the balance away from the frame and lift the hook out of the frame.

EXTERIOR JAMB

5/32" 1/2" 7/8"

INTERIOR

Fixed Window

Remove fixed window glazing beads before drilling installation holes. (West)

East Region 2-11/16" Frame Window

5/32"

East Region 3-1/4" Frame Window

5/32"

West Region

PELLA® 250 SERIES WINDOW ANCHOR SPACING INSTRUCTIONS

Product	Edge Spacing (E)	Max. Intermediate Spacing (S)	First Mullion Anchor (M1)	Second Mullion Anchor (M2)	Fastener Wood***	Special Notes
DH/SH (single units)	Factory Pre-Drilled**		–	–	#10 x 2" Pan Head (provided)	Use self-adhesive spacer at all installation holes for ≥ PG50 Performance Installs.
DH / SH / FX	4"	16" **	3"	6"	#10 x 2" Pan Head (provided)	Use M1 and M2 spacing for screws at head and clips at sill with mullions only.
SW	4"	16"	–	6"		
SW ≥PG50	4"	12"	–	6"		
CM/AW	Factory pre-drilled holes in Jambs and Head, clips at sill 4" Edge Spacing and 12" Max. Spacing		4"	8"		
FX CM/AW	Clip only 4" Edge Spacing and 12" Max. Spacing		4"	8"		

All venting products: Head and sill anchors are required on composites only.
* Use Factory Drilled installation holes if present.
** For DH & SH units >62" tall add 2 screws per jamb, midway between top and bottom pre-drilled holes.
*** For light gauge steel framing, use #10 self-drilling/self-tapping screws; for concrete or masonry, use 3/16" masonry screws with 1-1/4" minimum embedment.

250 Series DH PG50 ONLY: Add additional clip at center of mullion at sill only.
Install hole plugs/caps after driving screws. Replace all covers, fillers and tracks removed earlier.
250 Series 1" Structural Mulls: Use (4) #10 x 2" screws in each end anchor
250 Series 1/2" Mulls: Use Attachment Clips at sill spaced 3" and 6" from mullion.

Pilot Hole Locations and Sizes

Allen Wrench

SW Vent Track | SW Pocket Filler | Fixed | SH Pocket Removal | CM/AW Fixed Cover Removal | CM/AW

Interior Sealant Instructions

CAUTION: Continuous backer rod (as necessary) and a high quality, low-odor interior sealant such as Pella Window and Door Installation Sealant (or equivalent) is recommended for commercial or high performance installations to create the continuous interior seal. Follow the directions on the cartridge. For standard performance or products with factory applied jamb extensions, use low pressure polyurethane insulating foams. Follow the directions on the can. Do not use high pressure or latex foams. Fiberglass batt or similar insulation is not recommended as it can absorb water and does not act as an air seal.

A. **Insert the nozzle or straw between the rough opening and window frame.** This can be done from the interior or exterior.

B. **Place a 1" deep bead of foam** approx. 1" from the interior of the frame to allow for expansion. Do not fill the entire depth of the rough opening cavity.

   NOTE: Apply foam between the frame and rough opening, NOT between jamb extensions and the rough opening.

C. **Re-Check window operation** and remove remaining shipping spacers after foam installation. Excess foam may be removed with a serrated knife after it cures.

D. **To ensure a continuous interior seal,** apply sealant over or around any shims or clips interrupting the foam seal.

For windows set against drywall return or wood interior stops:

E. **Apply a corner bead of sealant** where the frame and drywall return or stop meet. This sealant covers any gaps and creates a smooth transition between materials. Applying a continuous interior bead of sealant eliminates the need for low expansion foam.

F. **Re-check window operation** and remove shipping spacers after foam installation. Excess foam may be removed with a serrated knife after it cures.
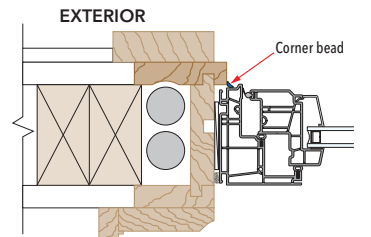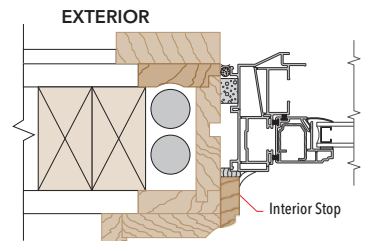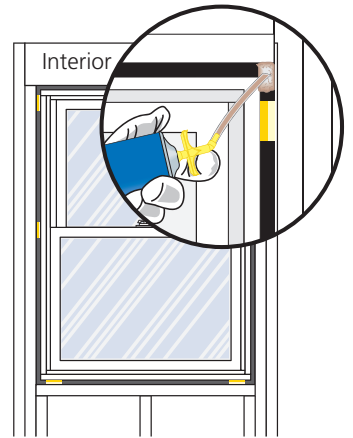
Exterior Sealant Instructions

CAUTION: Use a high quality, multi-purpose exterior sealant such as Pella Window and Door Installation Sealant. Follow the directions on the cartridge.

A. **If the space between the new window frame and the opening is greater than 1/4",** go to step (B) If less than 1/4" or if the frame does not project past an exterior stop (Figure 1), skip to step (C).

B. **Insert backer rod** 3/8" deep in the space around the window. Backer rod adds shape and controls the depth of the sealant line.

C. **Apply a continuous bead of sealant** where the new frame contacts the exterior stop (Figure 1) or between the frame and the opening (Figures 2, 3 and 4). Continue the seal across the bottom of the sill adapter (if applicable). Do not block weep holes or weep hoods with sealant.

   NOTE: For full frame replacement in brick or siding, where the wall is designed to manage water do not leave gaps or weeps in the exterior sealant. For pocket replacement, if weep holes are not present in the sill adapter and the existing sill slopes to the exterior, leave weep gaps in the sealant (Figure 5).
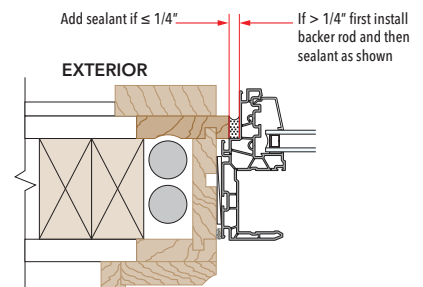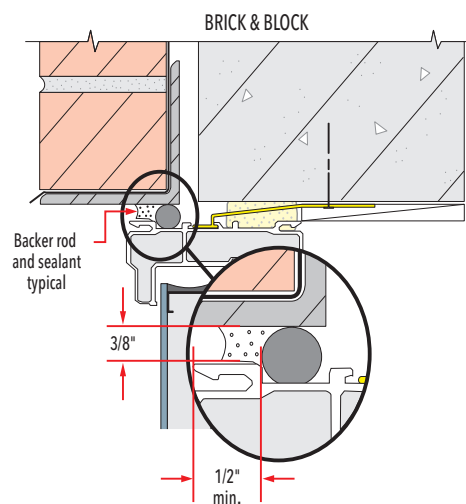
Interior

EXTERIOR
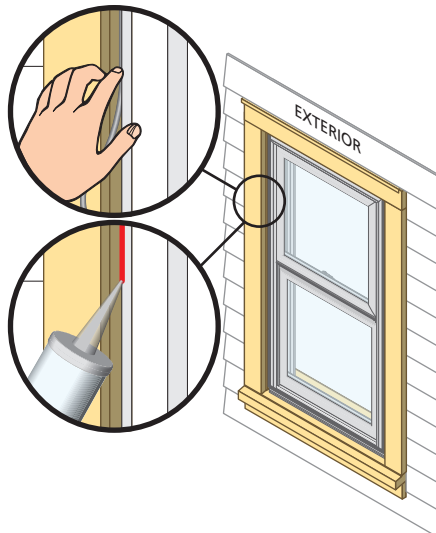
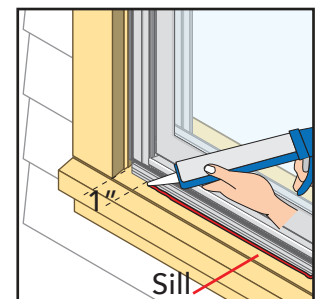Interior Stop

EXTERIOR

Corner bead

Figure 1

Add sealant if ≤ 1/4"

If > 1/4" first install backer rod and then sealant as shown

EXTERIOR

Figure 2

BRICK & BLOCK

Backer rod and sealant typical

3/8"

1/2" min.

Figure 3

EXTERIOR

Figure 4

1"

Sill

Figure 5