



W I N T E C H

An Employee Owned Company

OzarkView Nail Fin

Installation Instructions

General Safety & Product Information

I. General Overview and Information

A. Handling and Storage

1. Handle all windows and other material carefully
2. Do not drop, drag, or walk on boxed or crated material.
3. Stack windows with direction arrows and / or bottom labels in the proper position. Do not lay windows flat!
4. Place protective spacers between each window, windows and walls, and windows and floors during storage.
5. Store windows off the ground on pallets, planks or similar materials. Windows stored outside must be protected from rain, snow, etc.
6. Protect windows from other trade damage or manufacturing processes with ventilated covering.
7. Remove material from packaging if it becomes wet. Repack materials and move to a dry location.

B. Window and Material Inspection

1. Inspect all windows and other material upon delivery for damage and quantity accuracy. Report damage and / or missing material to WinTech and freight carrier immediately.

II. Cleaning

A. Cleaning Window Units

1. Plaster, cement, terrazzo, alkaline, and acid based materials used to clean masonry are very harmful and should be removed with water and mild soap immediately, to prevent permanent staining.
2. If protective coatings are required, they must be removed from any area of the window unit that requires field applied sealant prior to the installation of the window unit.
3. Clean window unit and screens with warm water and mild soap. Use a soft cloth or brush.

B. Cleaning Glass

1. Glass should be cleaned with a liquid glass cleaner.
2. Do not use any dirty or abrasive type material to clean glass.
3. Do not use a razor blade on the glass surface.

III. Construction Notes

A. Opening Verification

1. Ensure construction that will receive WinTech windows and products is in accordance with the contract documents. If construction is not per the contract documents please notify the general contractor in writing and resolve differences prior to proceeding with work.
2. The rough opening must be verified to confirm it is square, level, and plumb and has the proper clearance for the designated window.

B. Blocking

1. All blocking and shims must be non-corrosive or high strength plastic material not supplied by WinTech. Blocking must be of size to support the frame where indicated. The blocking must prevent the window from bowing, twisting, racking or distorting.

General Safety & Product Information

C. Fasteners

1. Use approved fasteners to anchor window. Some fasteners may corrode due to treated lumber.
2. Do not over drive fasteners as this could cause damage.

D. Sealant

1. All sealant used must be compatible with all the materials it contacts, including other sealant. All sealant, unless noted, is not by WinTech and is to be supplied by others.
2. WinTech does not recommend sealant or caulking types and will not assume liability or responsibility of sealant or caulking not supplied by WinTech. The sealant supplier should be consulted for sealant recommendations associated with compatibility, adhesion, priming, tooling, shelf life, and joint design. It is the sole responsibility of the customer to perform all sealant adhesion and compatibility testing that is required by the sealant manufacturer of choice for sealant that is to be supplied by the customer.

E. Glass

1. Consult local building codes for information regarding requirements and location of safety glazing.
2. The selection of safety glazing that is in conformance to local building codes is the responsibility of the owner or installer.

F. Performance

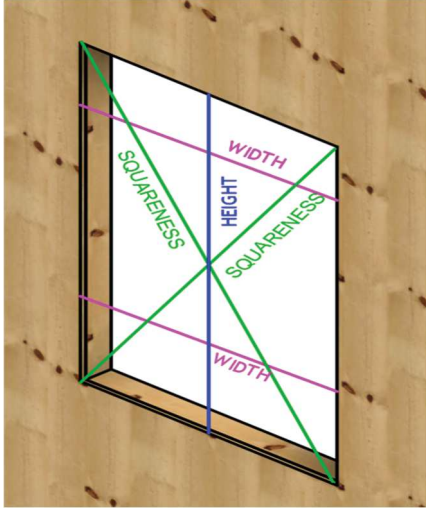

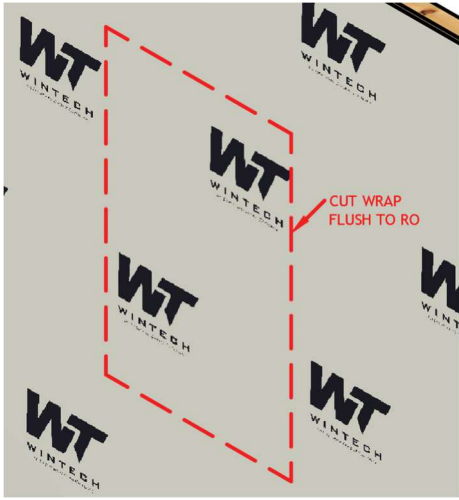

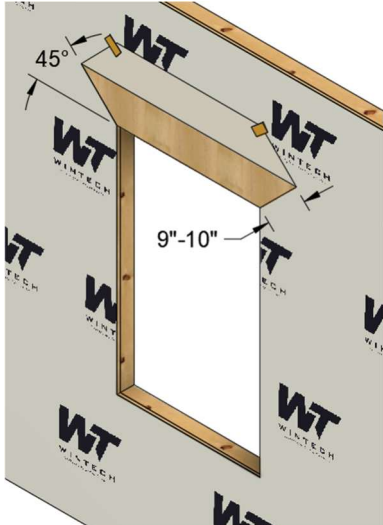

1. OzarkView windows are not intended to be used in high wind regions or hurricane prone areas.
2. OzarkView windows are tested to +/- 50psf. Do not install windows in regions where the design pressure is greater than +/- 50psf.

G. Safety

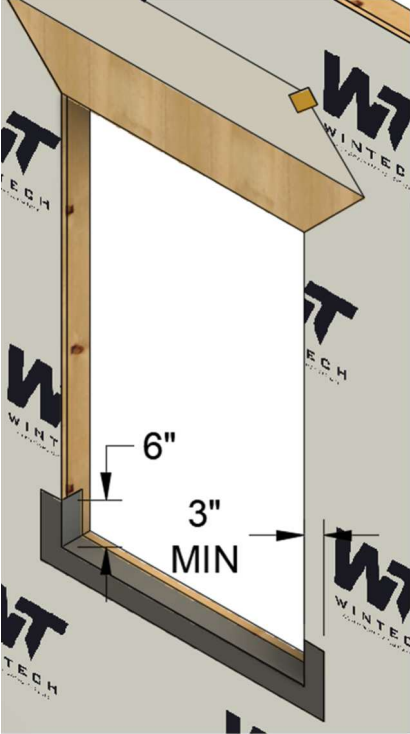

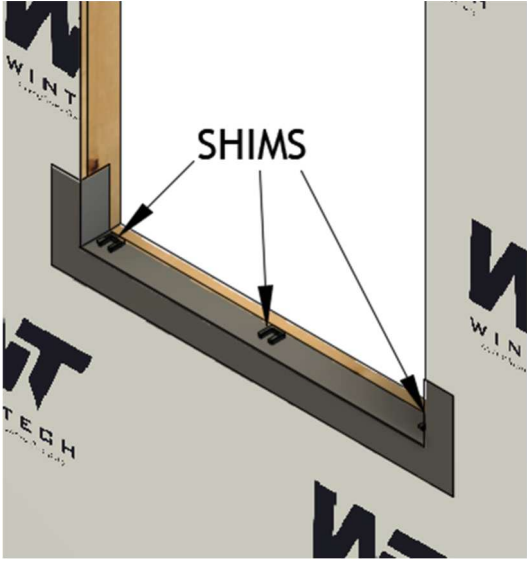

1. Follow all required safety and PPE procedures when installing windows and other products provided by WinTech

Installation Instructions

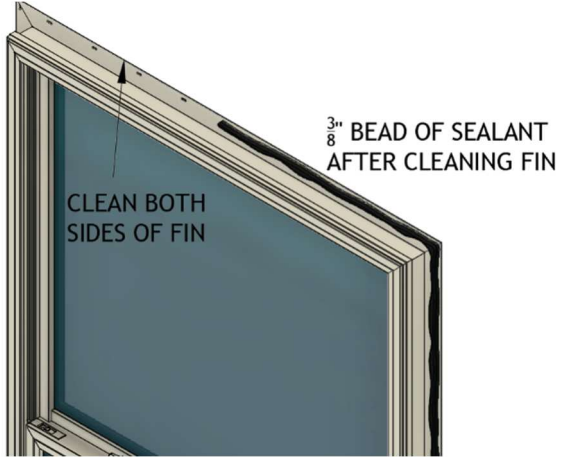

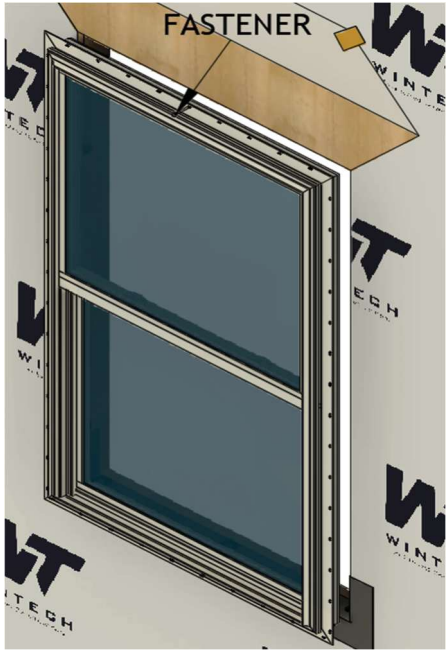


Instructions for Nail Fin Windows

<p>1</p> <ul style="list-style-type: none">• Tools: Tape Measure & Level• Measure width and height of RO. RO should be 1/2" larger than window size.• Measure diagonal of RO to ensure square.• Ensure RO is plumb and level.		
<p>2</p> <ul style="list-style-type: none">• Tools: Utility Knife• After building wrap is applied locate RO.• Trim building wrap flush with all four sides of the RO.• <i>Verify with building wrap manufacturer that this does not void the warranty!</i>		
<p>3</p> <ul style="list-style-type: none">• Tools: Utility Knife• Cut building wrap at 45 degree angle at head of RO.• Cut length should be 9"-10" long.• Tape cut flap up to building wrap.		

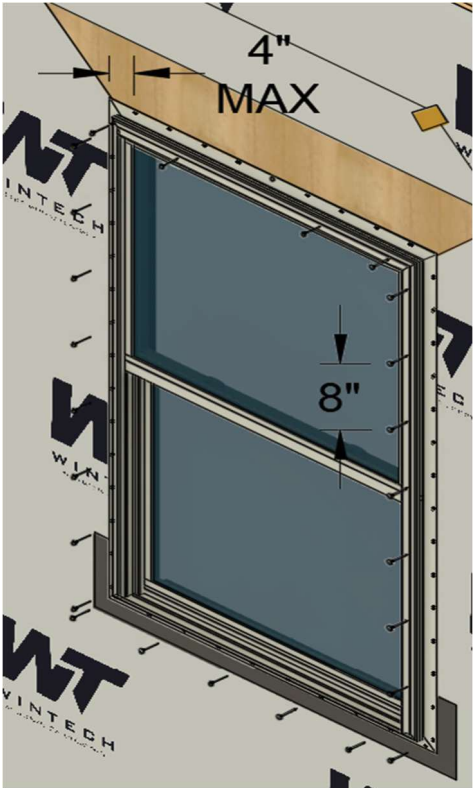

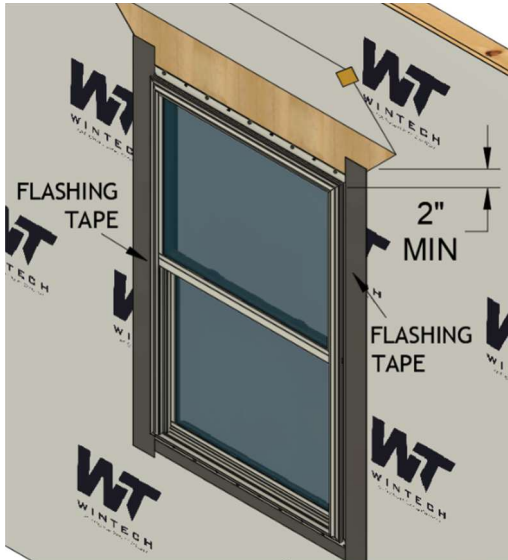

Installation Instructions

<p>4</p> <ul style="list-style-type: none">• Tools: J-Roller• Apply flashing to sill of RO.• Flashing should overlap the RO at minimum 3" in both directions.• Flashing should run up the jambs 6".• Smooth flashing with the J-Roller to eliminate wrinkles and voids that could cause damage.• Follow flashing manufacturer guidelines if priming is required before applying flashing.		
<p>5</p> <ul style="list-style-type: none">• Tools: Tape Measure & Level• Place shims at the bottom of the RO.• Shims should be 1/2" to 1" in from the corner of the RO.• Level shims in opening• After level tape or fasten shims to opening.• <i>For windows exceeding 24" in width, place shims at the mid-point of the RO.</i>• <i>Place shims below any mullion.</i>• <i>If installing mulled windows shim below each window at quarter points and below mullion.</i>		

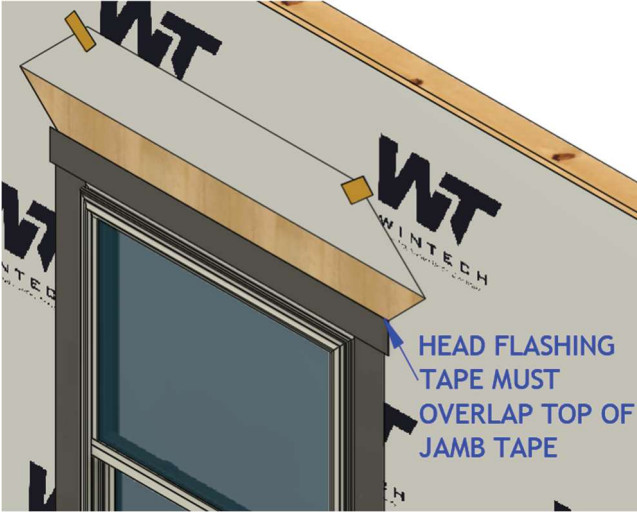


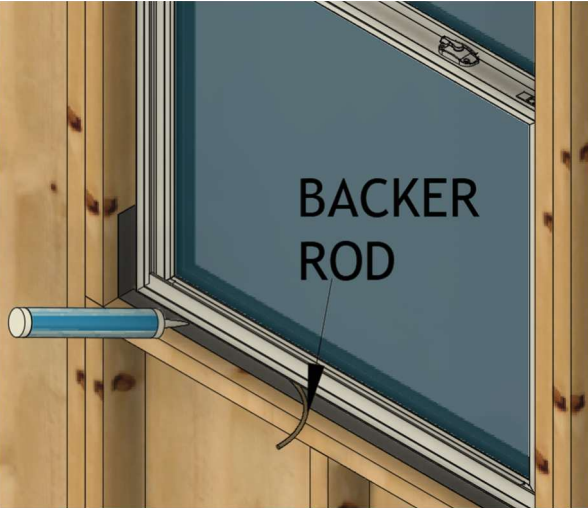

Installation Instructions

<p>6</p> <ul style="list-style-type: none">• <u>Tools:</u> Caulk Gun• Clean both exterior and interior side of nail fin around all four sides.• Apply continuous 3/8" bead of silicone sealant around full perimeter of interior side of nail fin. Sealant should cover mounting holes.	 <p>3/8" BEAD OF SEALANT AFTER CLEANING FIN</p> <p>CLEAN BOTH SIDES OF FIN</p>	
<p>7</p> <ul style="list-style-type: none">• <u>Tools:</u> Hammer• Center window in the opening.• Rest window on shims at sill.• Temporarily fasten window at head with at least (1) 2" galvanized roofing nail.	 <p>FASTENER</p>	
<p>8</p> <ul style="list-style-type: none">• <u>Tools:</u> None• Shim between window and RO at both jambs.• Shims should be placed at the meeting rail location and halfway between the meeting rail and top and bottom of the window.• <i>Do not shim at the head of the window.</i>		

Installation Instructions

<p>9</p> <ul style="list-style-type: none">• Tools: Tape Measure, Level, Hammer• Ensure window is plumb, level, and square.• Fasten window through nail fin using 2" galvanized roofing nails.• Fasteners should be located no more than 4" from each corner and 8" on center maximum.• #8 x 1-1/2" wood screws is an acceptable alternative to use in place of roofing nails if anchoring into wood.• Use #8 TEK screws with minimum 3 thread penetration beyond metal if anchoring into 18 gauge metal studs.		
<p>10</p> <ul style="list-style-type: none">• Tools: J-Roller• Apply flashing tape over both jamb nail fins and fasteners.• Flashing tape should be extended at minimum 2" past the window frame on both ends.• Flashing tape should be smoothed with J-Roller and be void of wrinkles.• Flashing tape should be compatible with sealant used.		

Installation Instructions

<p>11</p> <ul style="list-style-type: none">• Tools: J-Roller• Apply flashing tape over the head nail fins, fasteners, and jamb tape.• Head flashing tape should extend past the jamb tape on both sides.• Ensure head tape overlaps the top of the jamb tape.		
<p>12</p> <ul style="list-style-type: none">• Tools: None• Remove tape holding the 45 degree cut house wrap.• Fold house wrap down over head flashing tape.• Tape 45 degree cuts of house wrap down as shown.		
<p>13</p> <ul style="list-style-type: none">• Tools: Caulk Gun• Apply continuous backer rod between window and RO on the interior side around entire perimeter.• Seal between window and RO after applying backer rod.• <i>Low expansion foam is an acceptable alternative to backer rod and sealant.</i>• <i>Never use high expansion foam.</i>		

Installation Instructions

14

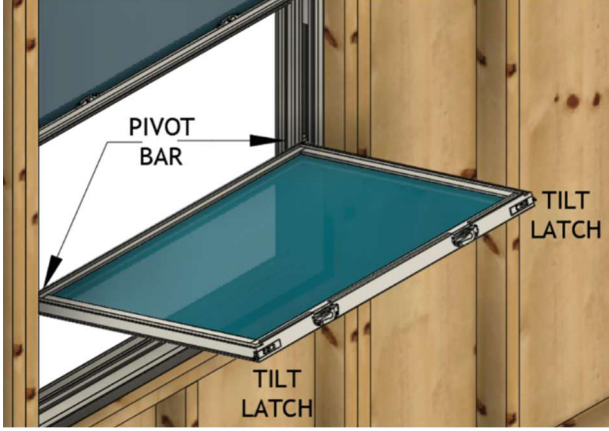
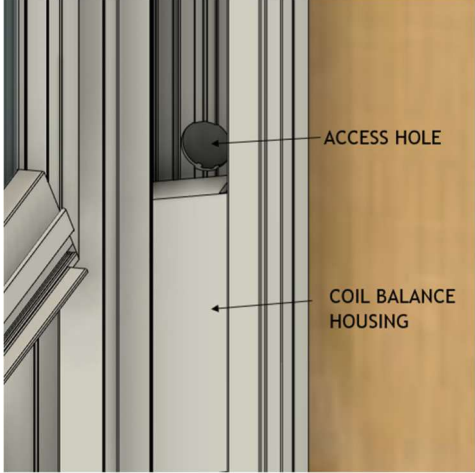

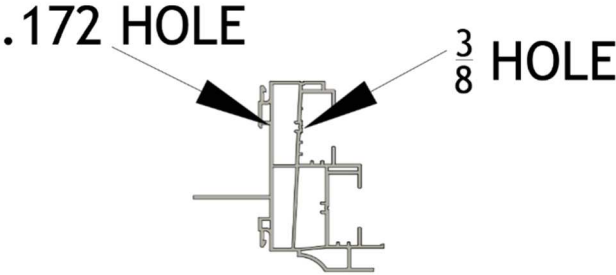

- Tools: None
- Check operation of window.
- Raise lower sash, depress tilt latches, then tilt sash open to approximately 90 degrees.
- Lift up on one side at the pivot bar, then the other side to remove the lower sash.






Installation Instructions

Special Instructions for Double Hung Windows Larger Than 36" x 60"

The following steps should be completed after step 7 and before step 13 of the nail fin installation instructions.

<p>DH1</p> <ul style="list-style-type: none">• <u>Tools:</u> None• Raise lower sash, depress tilt latches, then tilt sash open to approximately 90 degrees.• Lift up on one side at the pivot bar, then the other side to remove the lower sash from the balance shoes.		
<p>DH2</p> <ul style="list-style-type: none">• <u>Tools:</u> Drill• Locate spring coil balance housing in jamb at meeting rail location.• Drill 3/8" access hole in each jamb just above the balance housing.		
<p>DH3</p> <ul style="list-style-type: none">• <u>Tools:</u> Drill• Drill .172" diameter hole using an 11/64" drill bit in the second wall of both jambs at the same access hole location as shown in step DH2.	 <p><i>RO and Other Window Parts Not Shown For Clarity</i></p>	

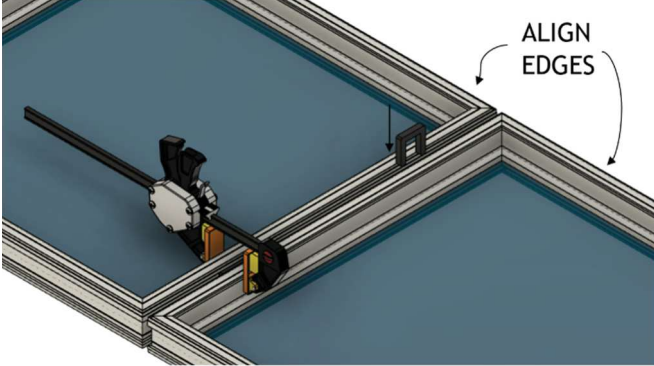

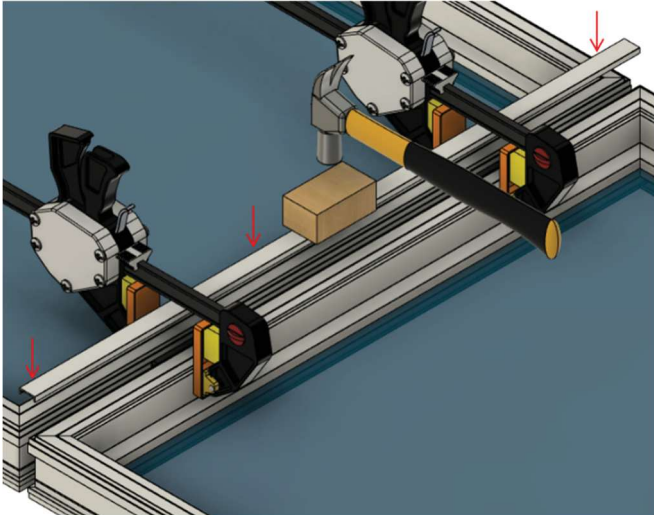

Installation Instructions

DH4	<ul style="list-style-type: none">• <u>Tools:</u> Drill• Shim hard between jamb and RO. Shim from step 8 can be used.• Mechanically fasten both jambs to the RO by fastening thru the holes drilled in steps DH2 and DH3 using a #8 x 1" long pan head screw.		
DH5	<ul style="list-style-type: none">• <u>Tools:</u> None• Reinstall lower sash.• With sash at approximately 90 degrees insert the pivot bar into the balance shoe in one jamb and then the other.• Tilt sash back up into place. Tilt latches are to be engaged into jamb.• Push sash down and lock.		

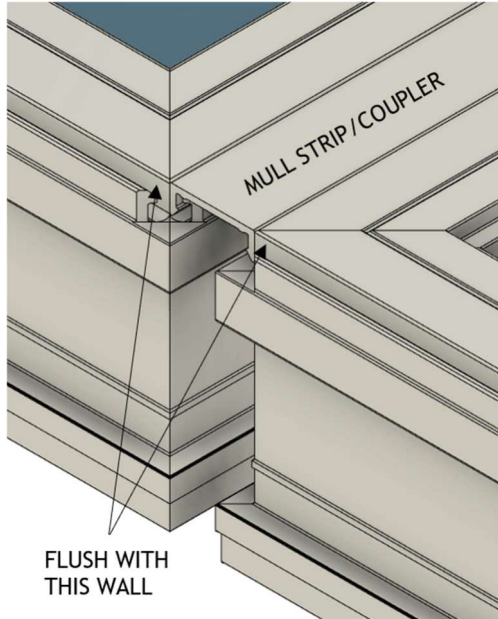

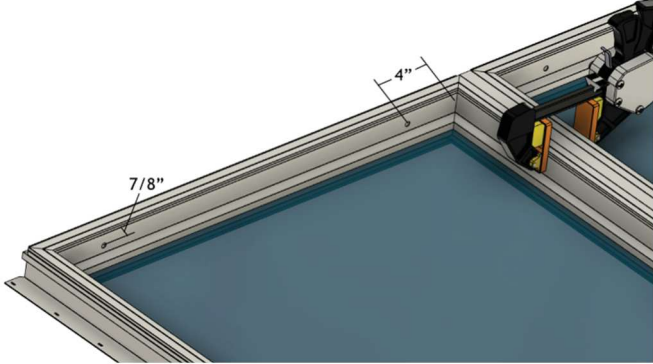

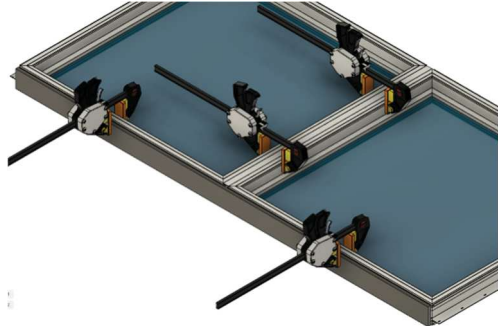

Installation Instructions

Instructions for Mullled or Coupled Windows with Nail Fins

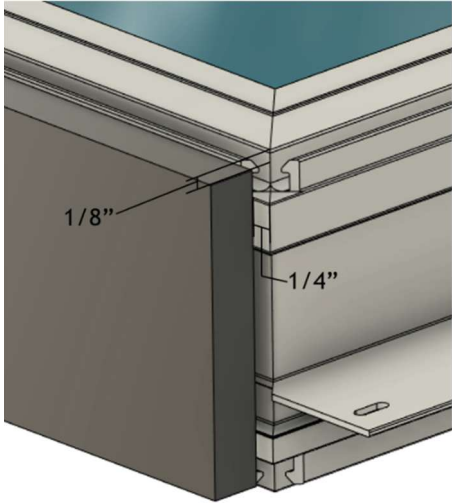

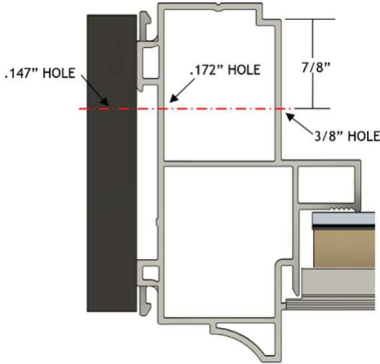

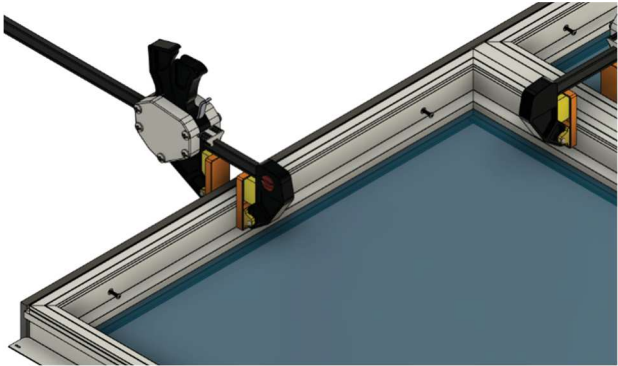

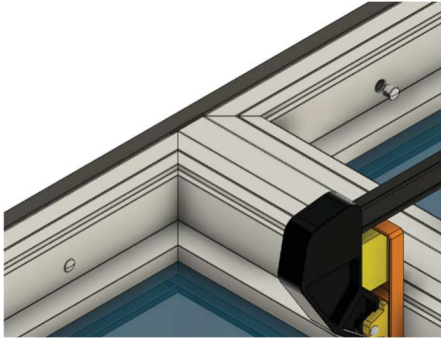
Special Note: If assembling windows with mull strips or couplers that run both horizontally and vertically, assemble the windows with the couplers that do not run thru first. These instructions will reflect this installation sequence.

<p>M1</p>	<ul style="list-style-type: none">• <u>Tools:</u> Quick Clamps• Place 1/2" shim packs between windows at 1/4 points at the mull/coupler location.• Shims should be inserted at 3/8"-1/2" in from interior face of windows.• Clamp windows together at shimmed locations.• <i>Ensure window edges & surfaces are aligned.</i>• <i>Do not overtighten clamps or damage window frames.</i>		
<p>M2</p>	<ul style="list-style-type: none">• <u>Tools:</u> Hammer, Wood Block• Slide mull strip/coupler under clamps.• Using a hammer along with wood block, snap the mull strip/coupler into place along the raceways of both windows.• <i>Care should be taken not to damage mull strip/coupler while installing.</i>		

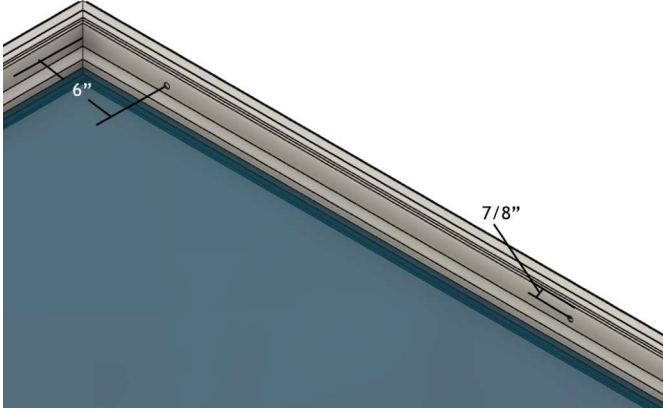

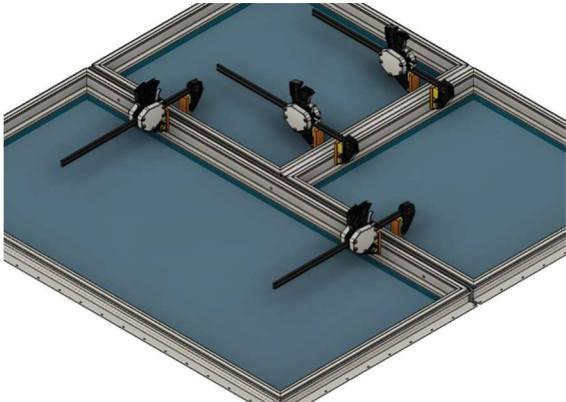

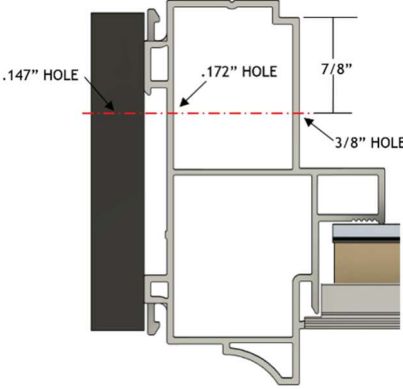

Installation Instructions

<p>M3</p>	<ul style="list-style-type: none">• Tools: Hammer, Wood Block• Mull strip/coupler should be flush with side of window shown in this step.• Use hammer and wood block to adjust the location of the mull strip/coupler if not flush with the side of the window frame.• <i>Care should be taken not to damage mull strip/coupler.</i>		
<p>M4</p>	<ul style="list-style-type: none">• Tools: Drill, Tape Measure• Drill 3/8" diameter access holes in fixed window jambs adjacent to the aluminum bar reinforcement.• Holes to be 4" down from the head and 4" up from sill.• Holes to be 7/8" inset towards to the interior glass.		
<p>M5</p>	<ul style="list-style-type: none">• Tools: Quick Clamps• Clamp aluminum bar reinforcement to assembled window jambs in multiple locations.• <i>Do not overtighten clamps or damage window frames.</i>		

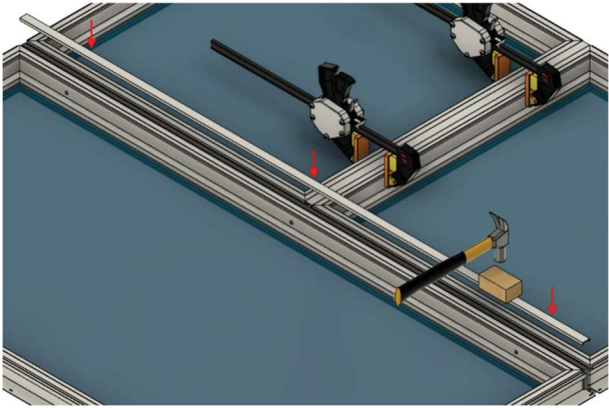

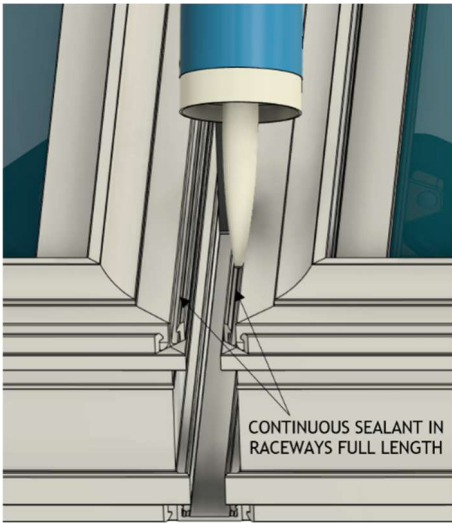

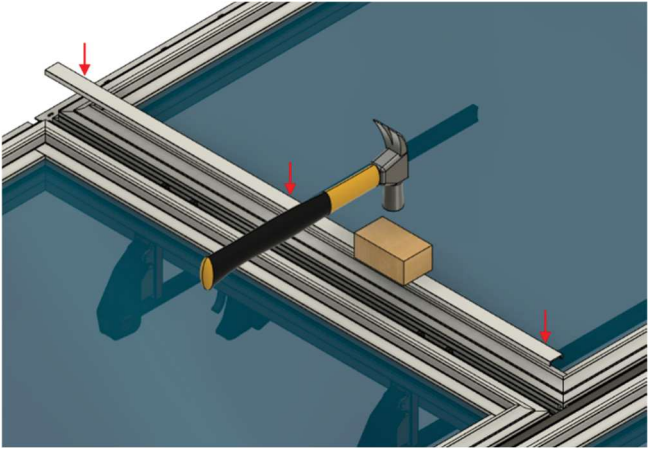

Installation Instructions

<p>M6</p>	<ul style="list-style-type: none"> • <u>Tools:</u> Tape Measure • Adjust the aluminum bar location to be 1/8" inset from the interior face of the windows. • Adjust the aluminum bar to be inset 1/4" from window dimension (WD) at the sill and head ends. • Once locations are confirmed along the length of the aluminum bar tighten quick clamps. 		
<p>M7</p>	<ul style="list-style-type: none"> • <u>Tools:</u> Drill • Drill .172" diameter hole in the outer wall of the jambs at all access hole locations from step M4. • Using a #26 drill bit drill the aluminum bar at all the access holes & and .172" hole locations. 		
<p>M8</p>	<ul style="list-style-type: none"> • <u>Tools:</u> Drill • Attach windows to aluminum bar using WinTech provided #8-32 X 1" screw at all access hole locations. • Remove quick clamps holding aluminum bar after all fasteners are installed. 		
<p>M9</p>	<ul style="list-style-type: none"> • <u>Tools:</u> None • Press WinTech supplied hole plugs into all 3/8" access hole locations. 		

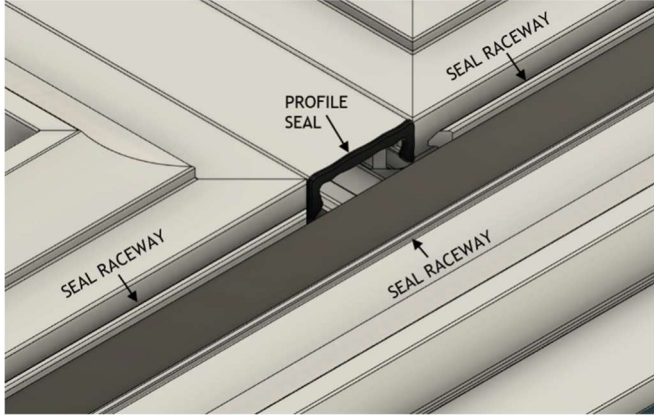



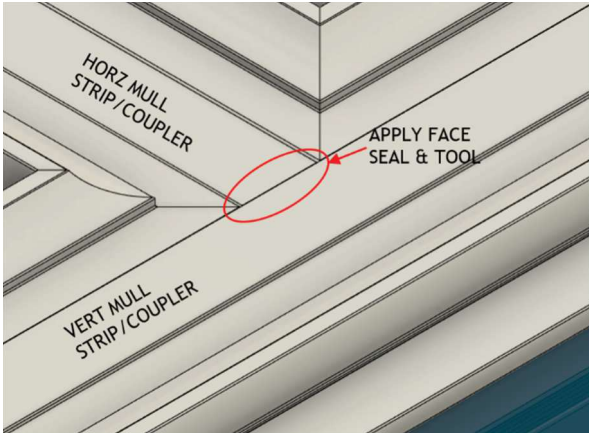

Installation Instructions

<p>M10</p>	<ul style="list-style-type: none"> • Tools: Drill, Tape Measure • Drill 3/8" diameter access holes in the fixed window jamb that will mull adjacent to the aluminum bar reinforcement. • Holes to be 6" down from the head and 6" up from sill and at midpoint of the jamb. • Holes to be 7/8" inset towards to the interior glass. 		
<p>M11</p>	<ul style="list-style-type: none"> • Tools: Quick Clamps • Align edges and interior face of adjacent window to be mull/coupled and push jambs hard against the aluminum bar. • Clamp the windows together and aluminum bar assembly in multiple locations. • <i>Ensure all windows align after clamping together.</i> 		
<p>M12</p>	<ul style="list-style-type: none"> • Tools: Drill • Follow steps M7 thru M9 to mechanically fastener second window to aluminum bar and to install hole plugs. 		




Installation Instructions

M13	<ul style="list-style-type: none">• Tools: Hammer, Wood Block• Remove quick clamps attaching verticals windows along aluminum bar.• Using a hammer along with wood block, snap the mull strip/coupler into place along the raceways of both windows.		
M14	<ul style="list-style-type: none">• Tools: Caulk Gun• With interior non-reinforced mull coupler still clamped, safely flip window assembly over so exterior side is facing up.• Apply continuous sealant in the raceways of both windows that the mull strip/coupler will snap into at the non-reinforced mull strip/coupler location.• <i>Ensure window frames are still aligned after flipping unit over.</i>		
M15	<ul style="list-style-type: none">• Tools: Hammer, Wood Block• Using a hammer along with wood block, snap the mull strip/coupler into place along the raceways of both windows.• Mull strip/coupler should align with the interior mull strip/coupler.• Remove & clean any excess sealant squeeze out from window.		

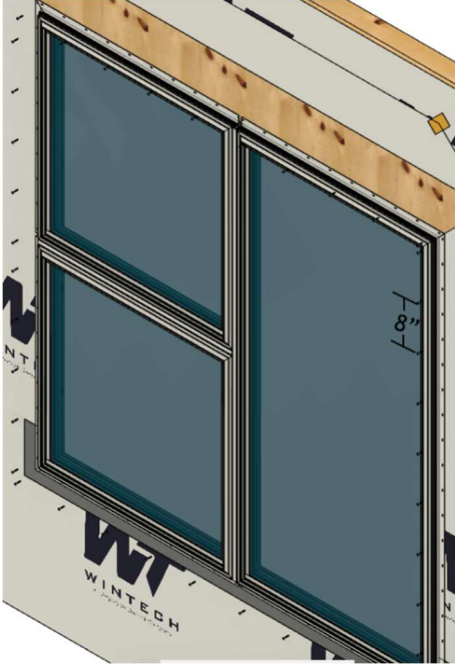


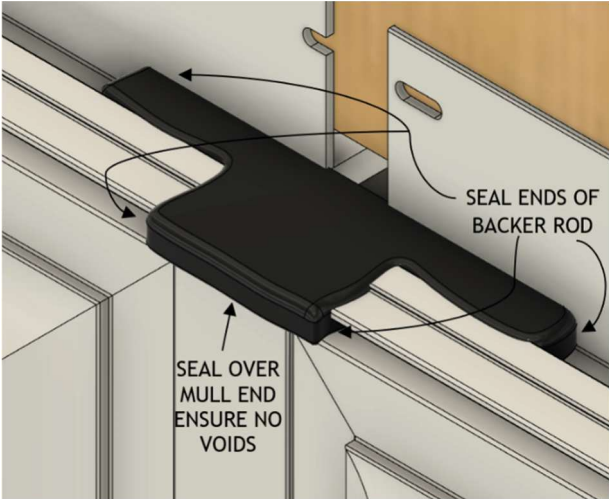

Installation Instructions

<p>M16</p>	<ul style="list-style-type: none"> • Tools: Caulk Gun • Apply sealant to the end profile perpendicular to the aluminum bar of the exterior horizontal mull strip/coupler. • Apply continuous sealant in the raceways of both windows that the exterior vertical mull strip/coupler will snap into over the aluminum bar location. 		
<p>M17</p>	<ul style="list-style-type: none"> • Tools: Hammer, Wood Block • Using a hammer along with wood block, snap the mull strip/coupler into place along the raceways of both windows. • Remove & clean any excess sealant squeeze out from window. • <i>Ensure mull strip/coupler is aligned with head and sill of windows.</i> 		
<p>M18</p>	<ul style="list-style-type: none"> • Tools: Caulk Gun • Inspect the mull strip/coupler intersection to ensure sealant remains between the horizontal and vertical mull strips/couplers. • If inadequate sealant remains apply a face seal over this intersection and tool flat if required. 		


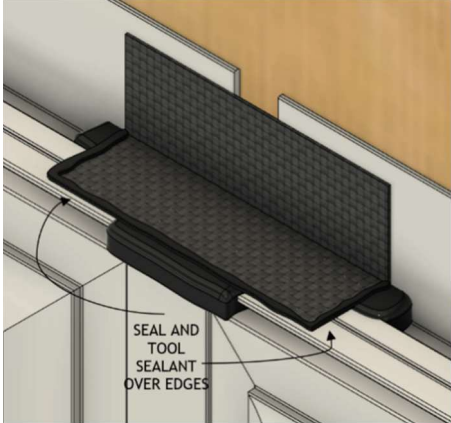

Installation Instructions

M19	<ul style="list-style-type: none">• <u>Tools:</u> See Steps 1-6• Remove any quick clamps remaining on assembled elevation.• Follow nail fin installation steps 1 thru 6 to prepare RO and window for installation.		
M20	<ul style="list-style-type: none">• <u>Tools:</u> Drill, Ladder Lifter Hoist or Similar• Lift assembled window elevation into opening using a ladder lifter type hoist or similar equipment.• Center window assembly in the opening.• Rest window on shims at sill.• Temporarily fasten window at head with at least (4) #8 x 1-1/2" wood screws. Minimum (2) screws per window assembly.• <i>Ensure glass cups are placed on all windows to evenly lift and move window assembly.</i>		
M21	<ul style="list-style-type: none">• <u>Tools:</u> None• Shim between window and RO at both jambs.• Shims should be placed at quarter points of all windows.• For hung windows shim at the meeting rail and halfway between the meeting rail and top and bottom of the window.• <i>Do not shim at the head of the window.</i>		

Installation Instructions

<p>M22</p>	<ul style="list-style-type: none"> • Tools: Tape Measure, Level, Drill • Ensure window is plumb, level, and square. • Fasten window through nail fin around all sides using #8 x 1-1/2" wood screws. • Fasteners should be located no more than 4" from each corner and 8" on center maximum. • <i>Use #8 TEK screws with minimum 3 thread penetration beyond metal if anchoring into 18 gauge metal studs.</i> 		
<p>M23</p>	<ul style="list-style-type: none"> • Tools: None • Place backer rod at the perimeter gaps between windows at the mull strip/coupler locations. • Backer rod should adequately fill voids between windows. 		
<p>M24</p>	<ul style="list-style-type: none"> • Tools: Caulk Gun • Apply a bed of sealant over backer rod, windows, and mull strip/coupler. • Ends of backer rod should be sealed over. • There should be no voids in sealant over the mull strip/coupler joint. 		

Installation Instructions

M25	<ul style="list-style-type: none">• <u>Tools:</u> None• Use flashing tape or silicone sheet to create a “boot”. Boot should be at least 3” x 2”.• Fold “boot” into L shape.• Place “boot” in bed of sealant created in step M24.• Press “boot” into bed of sealant to ensure a water tight seal.• Press “boot” against nail fins on both windows smoothing out any voids or wrinkles.		
M26	<ul style="list-style-type: none">• <u>Tools:</u> Caulk Gun• Apply a small bead of sealant around the edge of the “boot”.• Tool all sealant down and smooth out.• Clean any excess sealant.	 <p>SEAL AND TOOL SEALANT OVER EDGES</p>	
M27	<ul style="list-style-type: none">• <u>Tools:</u> See Steps 10-14• Follow nail fin installation steps 10 thru 14 to complete window installation.		