CityLine/CityVu/C600/C605 with Nail Fin & T-Mull Installation with Anchor System

IG-065 REV.03/24 1.4

CityLine T-Mull

Scan Here for a Digital Version of the Installation Guides in English.

Quartz Luxury Windows & Doors:
www.quartzluxurywindows.com

CityVu T-Mull

Scan Here for a Digital Version of the Installation Guides in English.

Quartz Residential Windows & Doors:
www.quakerresidentialwindows.com

C600/C605 T Mull

Scan Here for a Digital Version of the Installation Guides in English.

Quaker Commercial Windows & Doors:
www.quakercommercialwindows.com

Escanee aqui para obtener una version digital de estas pautas se instalacion en espanol.

If this set of instructions does not match your installation method or the wall conditions of the job site, please check our website listed below for other options, or call Quaker Customer Service for additional information.

Quaker Window Products
504 U.S. Hwy 63 South
Freeburg, MO 65035
(800) 347-0438
www.quakerwindows.com

PO Box 128 | 504 Highway 63 South | Freeburg, MO 65035 | 800-347-0438 | 573-469-4151 (fax)

Installation Guide for C-Series Window Products with Nail Fin and T-mull Installation with Anchor System

Read these instructions completely before starting any installation. Failure to install and maintain our product according to these instructions may void any product warranty. Please visit our website at www.quakerwindows.com or call 1-800-347-0438 for additional information.

Tools required by installer:

Safety Glasses		Utility Knife	
Drill/Driver		Caulk Gun	
Rubber Mallet		Tape Measure	

Materials required by installer:

Shims (Waterproof)		Sealant	
Fasteners		IPA Alcohol	
		Flashing tape	

Quaker supplied parts:

T-Mull		Anchor	
Base plate		Cap	
Anchor bolt		Weather-strip	

***For Timberline use an additional wood cap**

⚠ WARNING

Tools

- Follow manufacturer's instructions for safe operation of tools, and ladders/scaffolding. Always wear safety glasses. Failure to do so could result in injury, product or property damage.

Handling

- Do not store units outside, or in a hot environment. Doing so could result in product damage.
- **Do not carry flat.** Doing so could result in product damage, injury, or property damage.
- Stack units as straight as possible to avoid bowing. **Do not lay flat!**

Glass

- If broken, glass fragment can cause injury. All Quaker products are available with safety glass. In many areas, local building codes require safety glass in certain locations and/or applications. Unless safety glass is ordered, Quaker windows are not provided with safety glass. Before ordering, consult your local building codes for more definitive information.

Fastening

- Metal fasteners and components could corrode when used with preservative-treated lumber. Use approved fasteners and components to fasten window or door. Failure to do so could cause a failure resulting in injury, product or property damage.
- Fastener must attach to a structural framing member with 1 1/2" minimum fastener embedment, or minimum 3 full threads with a minimum 5/16" head as products were tested with.
- ***Quaker does not supply anchorage/fastener calculations, and is not responsible for determining structural adequacy of the anchorage and fasteners used to install our products, or the openings into which they are installed.***
- **Do not** over drive screws or nails. Doing so could result in product damage.

⚠ CAUTION

Installation

- Always support window or door in opening until fully fastened. Failure to do so could result in the window or door falling out or causing injury, product, or property damage.
- Nailing flanges and drip caps (integral or applied) **do not** take the place of window flashing. All windows and doors must be properly flashed and sealed with material compatible sealant for protection against water and air infiltration around the entire perimeter. Failure to do so could result in product or property damage.
- **Do not** set window directly on sill plate. Place shims under the side jambs. Window or door must be properly shimmed. Failure to do so could affect operation and product performance and could result in product damage.
- Live or dead loads transferred into our product can affect functionality, damage frame joinery or cause glass failures. Dead loads such as upper levels, roof, etc. Should be constructed before window or door is installed.
- Loads shall be designed to withstand the most critical effects of load factors and load combinations as required by the building code. (Loads are including but not limited to Live, Dead, Collateral, Auxiliary, Thermally induced, Seismic, etc.)
- Maximum vertical deflection of the header under all Load combination should not exceed the Span/720 or 1/4" whichever is less.
- Windows and doors have small parts. Small parts if swallowed could pose a choking hazard to young children. Dispose of unused, loose, or easily removed small parts. Failure to do so could result in injury.
- **Do not** drill through or into window sill to install alarm wires.

Sealing

- Follow instructions of foam, sealant, and flashing manufacturers regarding safety, material application, compatibility, and periodic maintenance for continued weather resistance of their products. Failure to do so could result in product or property damage. **DO NOT** overfill between the frame and opening.
- Minimally expanding foam insulation must be compliant with AAMA 812-19.
- Quaker recommends 100% silicone (ASTM C920 compliant) neutral cure only sealant. Always clean all areas where sealant will be applied. Failure to do so could result in product or property damage.
- Flashing tape must meet ASTM-D779 performance requirements.
- Maintain a minimum of 1/4" between the window or door frame and exterior finish materials. Failure to do so could result in product or property damage.

Joining

- Do not join any window or door to any window or door not designed for joining. Joined windows and doors must be individually supported in the opening. Failure to do so could affect operation and product performance and could result in product or property damage.

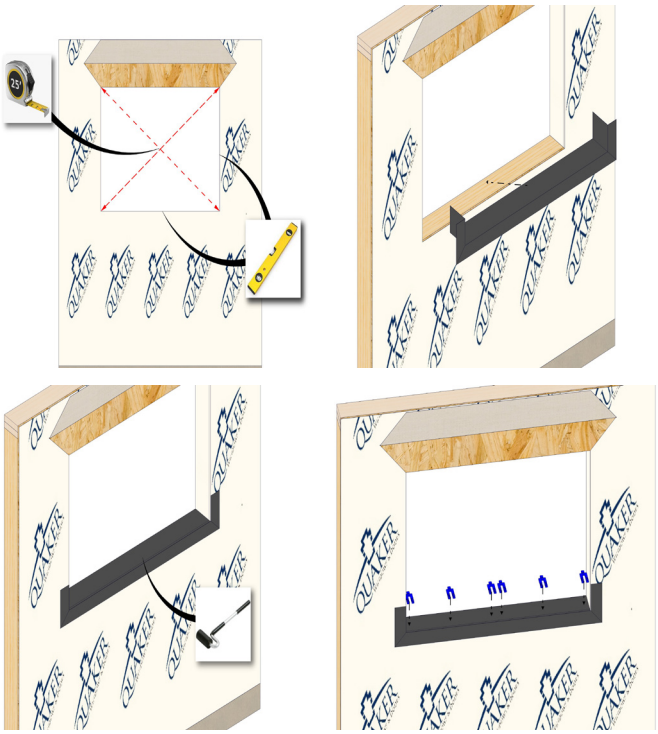
Cleaning

- Acid solutions used for cleaning will damage glass, fasteners, hardware, and metal flashing. Protect these products and follow cleaning products manufacturers instructions. If acid contacts the window or door, wash all surfaces immediately with clean water.
- **Do not** use razor blades to clean glass surface. Glass damage could result.
- Clean glass using liquid glass cleaner.
- Clean frame, sash, panels, and insect screens using mild detergent and warm water with a soft cloth or brush.

IMPORTANT

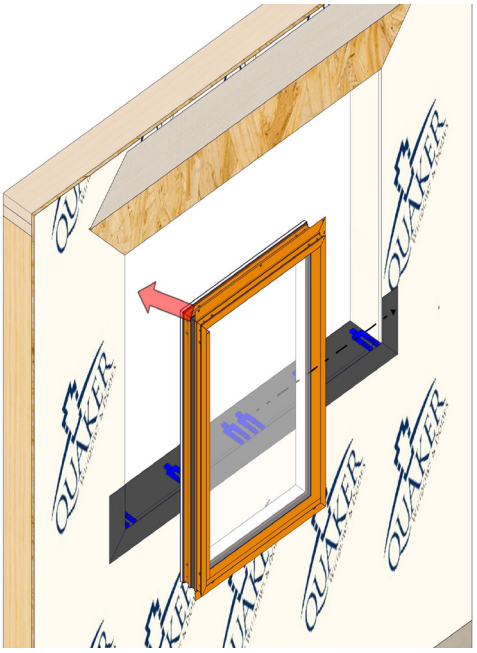
- Buildings constructed prior to 1978 could contain lead paint which could be disturbed during window or door replacement. For more information on proper management of lead paint, go to: **www.epa.gov/lead**
- Care must be taken to properly recycle or dispose of old materials. Any recyclable materials should be separated from non-recyclable or hazardous materials. Please consult with local or state authorities regarding proper disposal of non-recyclable or hazardous materials.
- These are generic instructions intended to cover most common situations, which may not be appropriate for all installations due to building design, construction materials, or methods used and/or building or site conditions. Consult a contractor or architect for recommendations.
- Inspect all units for any damage or defects prior to installation. Contact the nearest Quaker distributor if there are any problems.

1



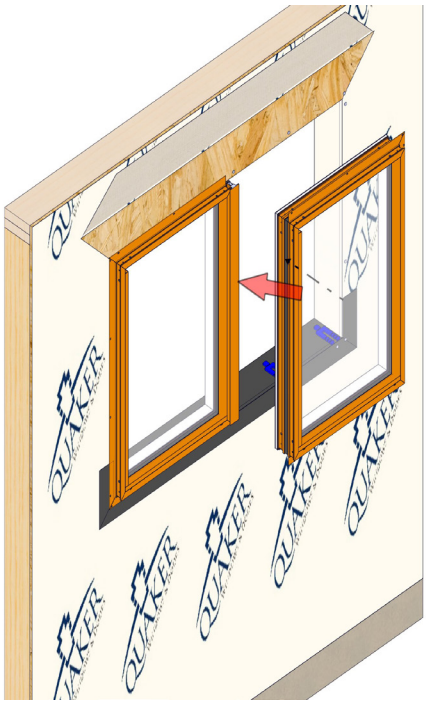
Prepare the rough opening per the QWP installation guidelines for nail fin application.

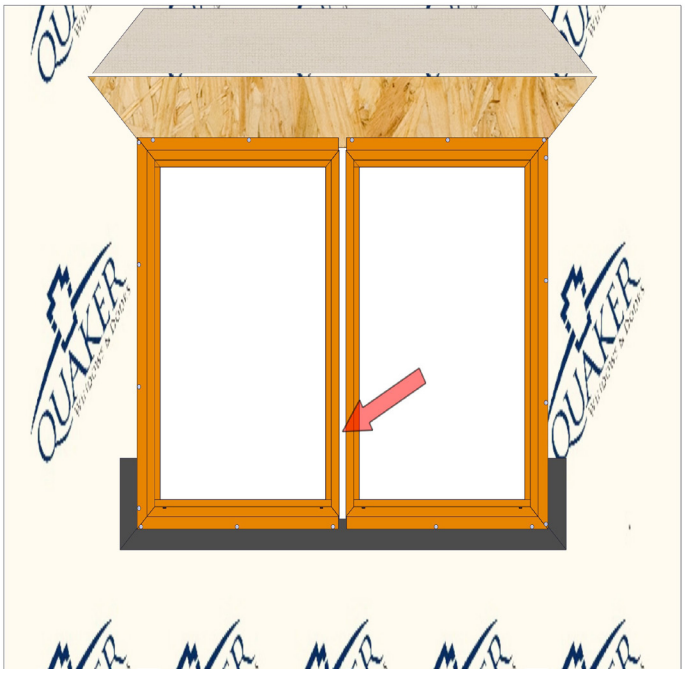
2



Install the first window unit in place following the QWP standard nail fin installation guide. Make sure the unit doesn't have a nail fin on the side of the unit where the mull will go.

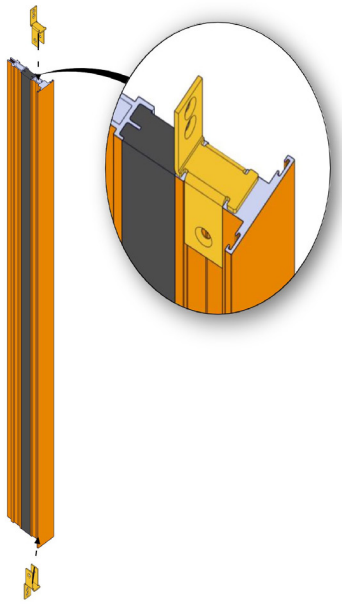
3





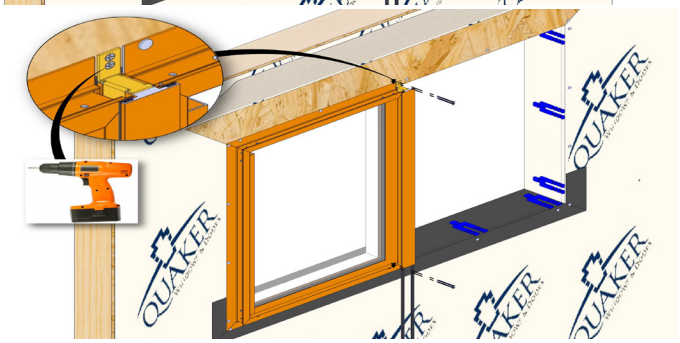
Install the next window unit in place following the QWP standard nail fin installation guide. Make sure the unit doesn't have a nail fin on the side of the unit where the mull will go. Make sure to leave a gap, the width of the T-Mull, between the units to allow for the T-Mull as shown.

4



Insert the anchor clips in the top and bottom on the T-mull slots as shown above.

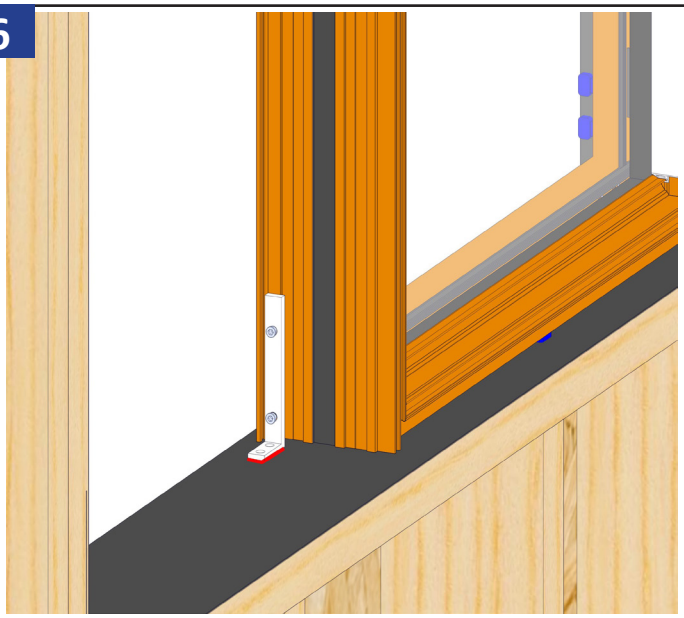
5



Insert the T-mull centering it between the units from the exterior and fasten with screws.

Make sure weather strip runs full length on both sides of the T-Mull. NO GAPS!

6

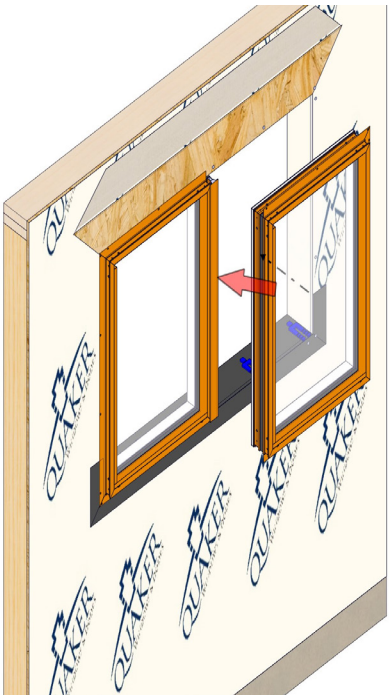


For Install Without Nail Fins: L-angles will be used in place of anchor clips and are installed after the first unit. Verify T-mull is vertical and centered properly between the units being installed.

Install L-angles in a bed of sealant with fasteners into the sill per shop drawings or anchorage calculations. Secure the L-angle to the T-mull at the sill with two self-tapping screws supplied by others, typically #12x1” screws. Verify T-mull is vertical and secure L-angle to the head and T-mull with same screws.

***Be sure mull is spaced properly so the window units will be the mull width apart once installed, and make sure to have adequate compression on the bulb seal. ***

7

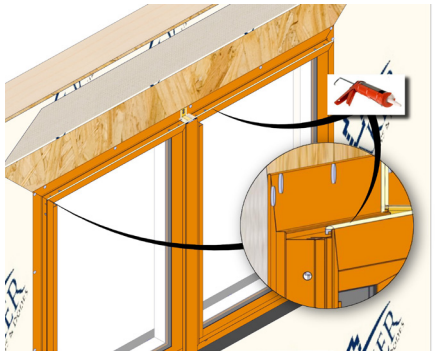


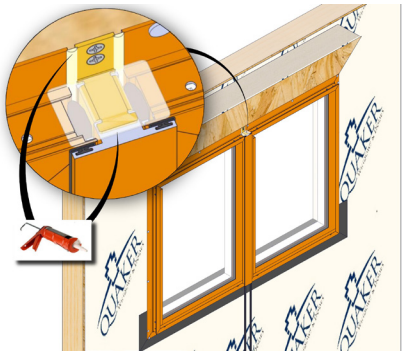
For Install Without Nail Fins: Install the next window unit in place following the appropriate Quaker installation guide. Make sure the unit doesn't have a nail fin on the side of the unit where the mull sits. Window units should be mull width apart after installed.

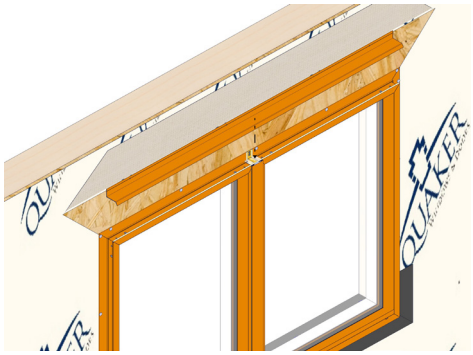
8

Image 2

Image 1







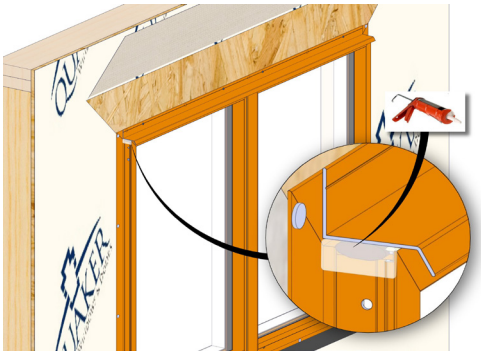
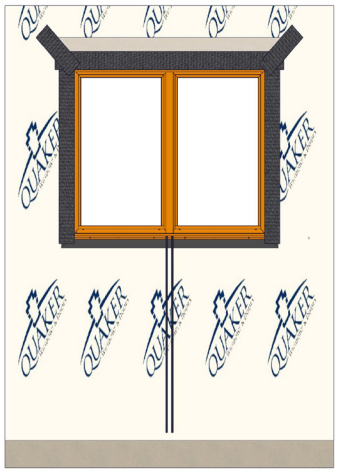


Image 3

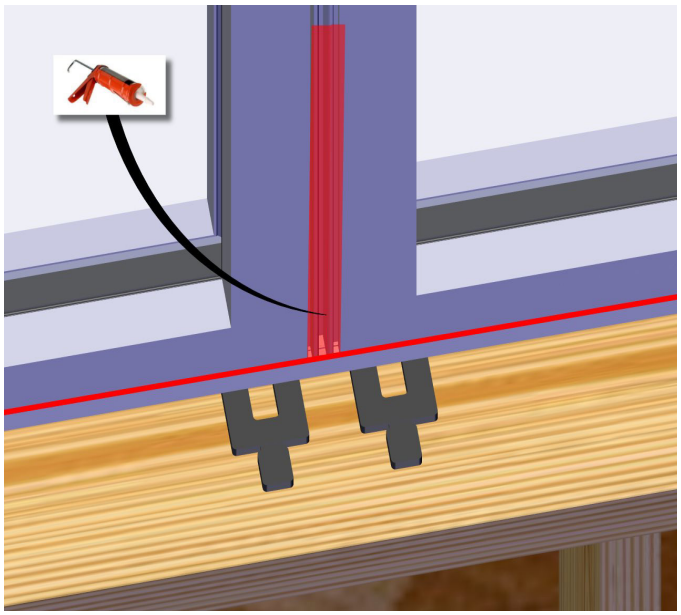
After all units and mulls have been installed, leveled, and squared. Insert backer rod into the top gaps between the T-mull and frames. Apply sealant over the whole top of the T-mull area to cover all gaps between the mull and frame as shown above.(Image 1) Apply a continuous bead of sealant across the entire top outer frame edge (Image 2) then set drip cap and fasten in place make sure drip cap is still sealed Use backer rod and sealant to cover both ends between the drip cap and frames as shown above. (Image 3)

9



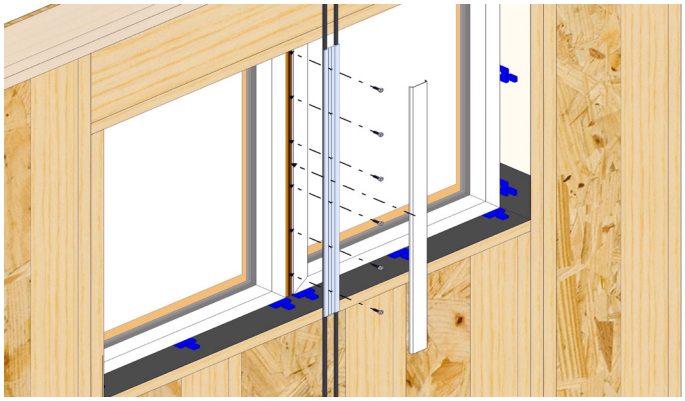
Finish flashing the exterior of the window per QWP nail fin installation guidelines.

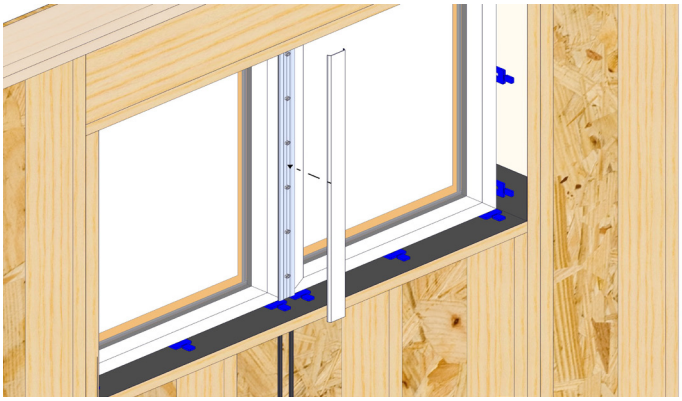
10



Apply sealant up the bottom 6” of the center of the T-mull filling the entire area as shown above.

11





Insert the base plate with weather-strip flat against the window units and install with supplied bolts. Snap the finish trim cap over the base plate to finish the T-mull. Insulate and seal around the interior permitter of the window units.