



V300

COMMERCIAL VINYL SERIES

Casement | Project-Out | Hung | Horizontal Slider | Fixed | Swing Door



**Delivering Innovative Solutions for
Multi-Family, Mixed-Use, and more.**

www.QuakerCommercialWindows.com

V300

COMMERCIAL VINYL SERIES

The True Solution

Put aside outdated perceptions of commercial vinyl with the V300 Series. The V300 Series is ideal for design professionals, builders and glazing contractors whose options have traditionally been aluminum. Durability, energy-efficiency, maintenance ease and design flexibility all wrapped into one.

Durability

- Superior designs achieve NAFS certified CW-ratings
- Strong uPVC vinyl
- Metal reinforced multi-chambered frame
- Fusion welded corners
- Impact Tested and FBC-approved models: Casement, Project-Out and matching Fixed
- Use with confidence in coastal and high wind regions

Energy-Efficiency

- Energy-efficient glass choices for every part of the United States.
- Standard 1" glass pocket with optional 1 3/8" to support thicker glass panes and strengthen thermal and sound performance

Long-Term Ease of Maintenance

- uPVC vinyl will never rot or corrode
- Vinyl colors and laminates are developed to resist fading
- One of the industry's best commercial warranties

Design Flexibility

- Integral nailing flange for new construction
- Finless frame/subsill options for replacement projects
- Structural mull systems
- A variety of interior and exterior trim packages
- Swing Doors
- ADA compliance available (*some limitations apply*)
- Viable alternative to traditional aluminum commercial windows

Steelcote Square
St. Louis, MO
Developer: Millcreek Flats LLC
Contractor: Holland Construction Services
Architect: Trivers & Associates
Comm. Window Distributor: Wilke Windows

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Selection Guide

Model	Frame Depth	Structural Test Rating	Test Size	Design Pressure	Air Infiltration	Water Resistance	U-Value Range [#]	SHGC Range [#]	STC Range ^x	OITC Range ^x
Casement	3 1/4"	CW50	36" x 78"	50	<.30	7.5	0.17-0.41	0.09-0.51	34-41	29-34
Project-Out	3 1/4"	CW50	60" x 32"	50	<.30	7.5	0.17-0.42	0.09-0.51	35	29
Hung	3 1/4"	CW50	56" x 91"	50	<.30	7.5	0.20-0.46	0.10-0.60	32-35	26-29
Horizontal Slider	3 1/4"	CW50	75" x 44"	50	<.30	7.5	0.20-0.46	0.10-0.60	32-37	26-30
Fixed (Wide Rail)	3 1/4"	CW50	78" x 78"	50	<.30	7.5	0.15-0.43	0.10-0.59	35	29
Fixed (Narrow Rail)	3 1/4"	CW50	72" x 84"	50	<.30	7.5	0.14-0.45	0.11-0.68		
Swing Door (outswing)	3 1/4"	CW50	40" x 84"	50	<.30	7.5	0.21-0.30	0.09-0.24		
Swing door (inswing)	3 1/4"	CW50	40" x 84"	50	<.30	7.5	0.21-0.30	0.09-0.24		

All ratings listed are NAFS certified. Periodic re-certification testing is required thus data shown may vary slightly

[#]-U-Value and SHGC ranges are NFRC certified based on I.G. combinations incorporating some or all the following: Low-E glass, clear glass, argon gas and/or air fill, and grids

^x-STC and OITC Ranges based on multiple I.G. combinations

Freelon at Sugar Hill
 Detroit, MI
 Developer: POAH DD Sugar Hill LLC
 Contractor: Whiting-Turner Contracting
 Architect: McIntosh Poris Associates
 Comm. Window Dist: N.A. Mans & Sons



Credit: McIntosh Poris Associates

800-347-0438



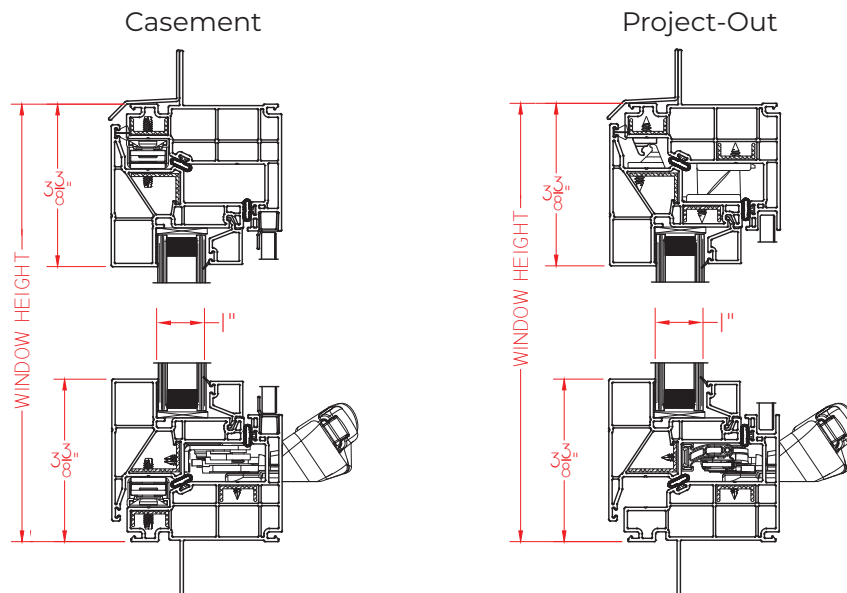
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Products

Casement | Project-Out

- CW-50 Ratings
- 100% pure uPVC vinyl
- Fusion welded corners
- .060 Vinyl thickness
- Metal reinforcements in critical areas
- Amesbury/Truth® operating hardware
- 1" I.G. with warm-edge spacer
- Revolutionary FlexScreen
- For New Construction and Replacement applications
- Impact and Florida Building approved
- Standard and custom sizing for all models
- Industry-leading thermal efficiencies
- Green initiatives built into every product
- Great STC/OITC performance



Azul North Park
 San Diego, CA
 Developer: Floit Properties
 Contractor: Suffolk, Inc.
 Architect: JWDA Architects
 Comm. Window Distributor: Hardy Windows



Credit: Floit Properties



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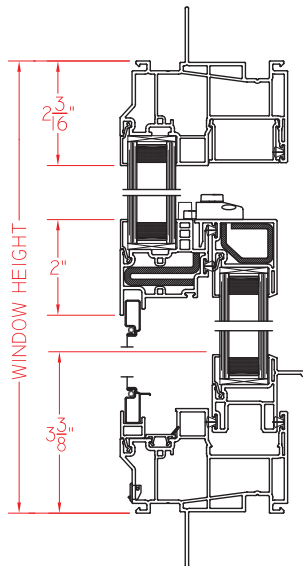
COMMERCIAL VINYL SERIES

Products

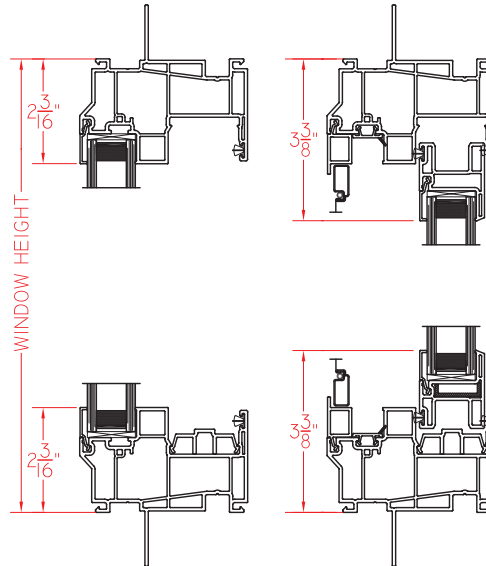
Hung | Horizontal Slider

- CW-50 Ratings
- 100% pure uPVC vinyl
- Fusion welded corners
- .060 Vinyl thickness
- Metal reinforcements in critical areas
- Block & Tackle balancers on hung units
- Heavy-duty roller system on sliding models
- 1" I.G. with warm-edge spacer
- Industry-leading thermal efficiencies
- For New Construction and Replacement applications
- Standard and custom sizing for all models
- Green initiatives built into every product
- Great STC/OITC performance

Single Hung



Horizontal Slider



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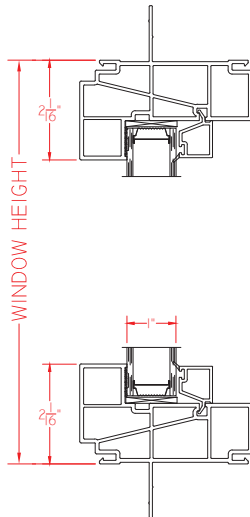
COMMERCIAL VINYL SERIES

Products

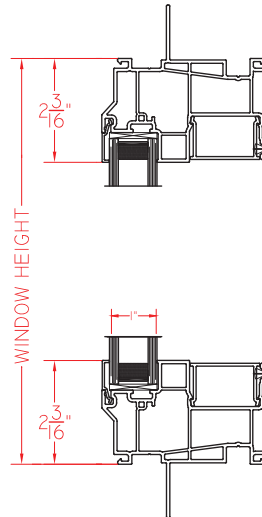
Fixed

- CW-50 Ratings
- 100% pure uPVC vinyl
- Fusion welded corners
- .060 Vinyl thickness
- Metal reinforcements in critical areas
- 1" I.G. with warm-edge spacer
- Wide Rail and Narrow Direct Set options
- Direct Set matching Casement/Project-Out is Impact approved
- For New Construction and Replacement applications
- Industry-leading thermal efficiencies
- Green initiatives built into every product
- Great STC/OITC performance
- Standard and custom sizing for all models

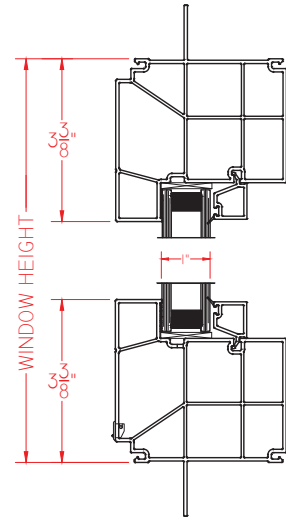
Fixed (Narrow Direct Set to match Casement & Project-Out)



Fixed (Narrow Direct Set to match Hung & Horizontal Slider)



Fixed (Wide Rail)



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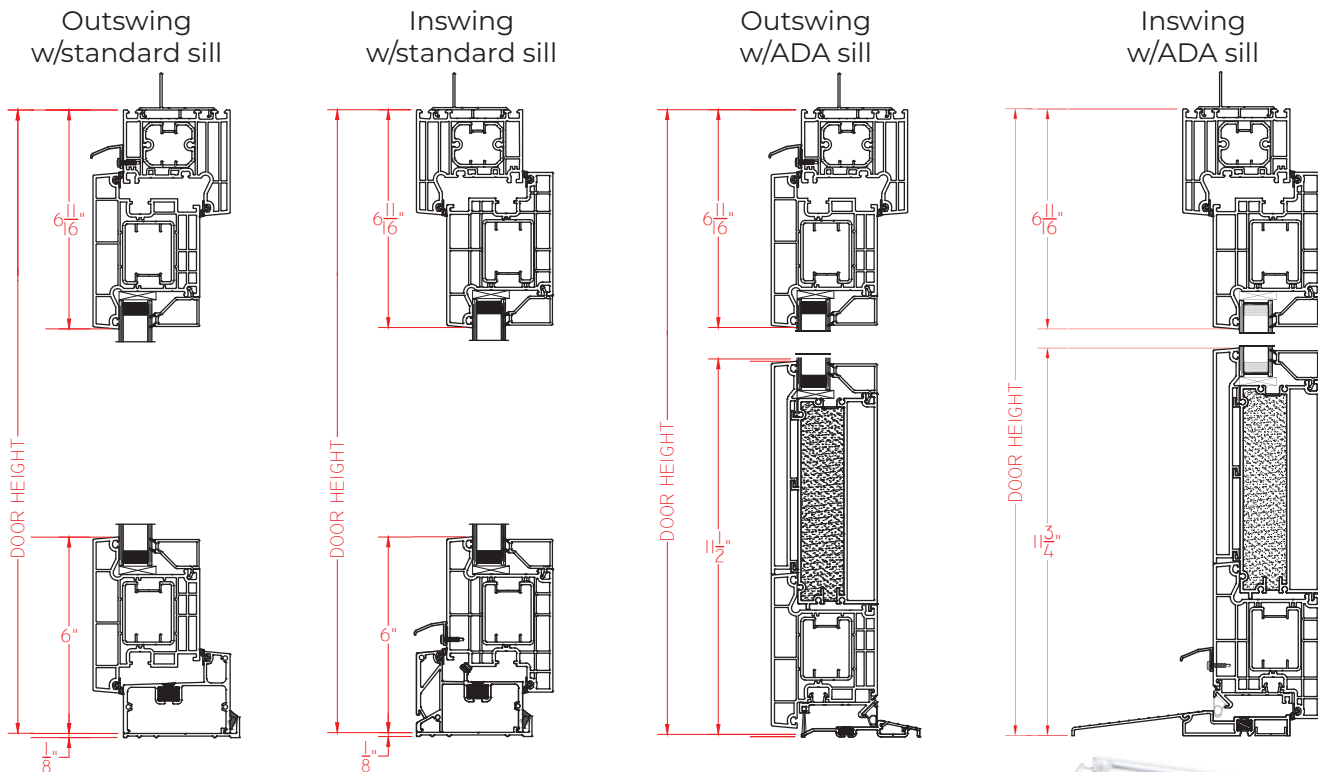
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Products

Swing Doors

- CW-50 Ratings
- 100% pure uPVC vinyl
- 1" insulating glass
- Inswing or Outswing single-panel operation
- 2 5/8" threshold

- Metal reinforcements prevent panel from sagging
- Multi-point WHS hardware. Single-point optional.
- Hahn butt hinges
- Keyed or unkeyed hardware option
- Optional 1/2" threshold w/10" bottom rail
- Fixed Transom and Sidelite



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Products

Impact (V700)

- Meet ASTM1886 (Large Missile Impact - Level D) testing requirements
- Casement, Project-Out and Fixed models
- Nail Fin or Trim/Clip anchorage systems for operating models
- Nail Fin anchorage system for fixed model

Florida Building Code

- Meets all required FBC calculations
- Casement: FL40310.2 (2020 Code Version)
- Project-Out: FL36916.3 (2020 Code Version)
- Fixed: FL36903.3 (2020 Code Version)
- Approved anchorage systems
- See full information at FloridaBuilding.org

Hyatt Place at The Markham
Gulfport, MS
Developer: LLI, LLC
Comm. Window Distributor: Exterior Solutions

Credit: Carmen K. Sisson/Cloudybright



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Products

LEED®

- All operating and fixed models from the V300 Series can assist with garnering LEED points for your commercial project
- LEED Building Design and Construction (LEED BD+C) works for both new construction and replacement commercial projects
- LEED is the world's preeminent green building organization



5150 Northwest Highway
Chicago, IL
Developer: IHDA
Contractor: Joseph J. Duffy Co.



Credit: BlockClubChicago.org

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Options

Vinyl Colors, Painted Exteriors & Laminates

Vinyl Colors

- 100% pure uPVC colors hold a bright sheen and won't fade like re-ground vinyl
 - » White
 - » Sandstone

Painted Exteriors

- Painted vinyl allows Quaker to offer an exterior color palette which far exceeds traditional expectations.

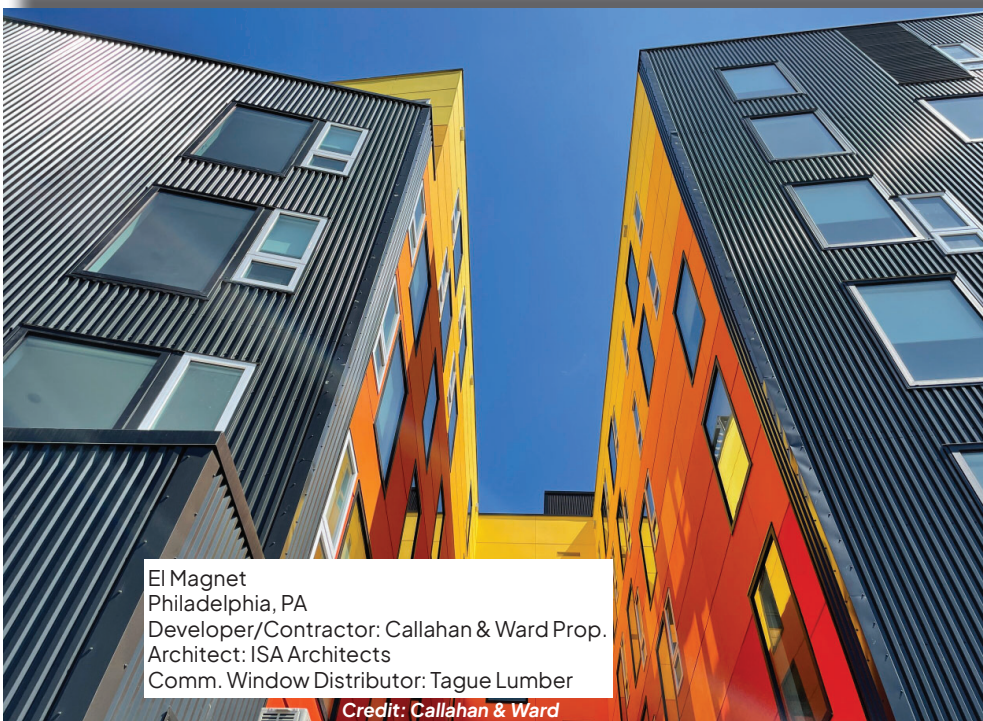
» Black	» Toffee	» Beige	» Textured Black
» Dark Bronze	» Chestnut	» Satin Creme	» Textured Dark Bronze
» Redwood	» Earthtone	» White	» Textured Resembles Clear Anodized
» Holly Green	» Sandstone	» Resembles Clear Anodized	» Textured Dark Grey
- Exterior color selections expand even further because of Quaker's ability to produce any custom exterior color you have in mind
- All painted vinyl finishes meet FGIA 615-05, the highest, most superior vinyl painted finish available.

Laminate Coatings

- High-performance laminate coatings can be applied on the exterior of all V300 models, paired with a white interior for a two-tone appearance
 - » Textured Black
 - » Textured Resembles Clear Anodized
 - » Textured Dark Bronze
 - » Textured Dark Grey
- Textured Black Laminate can be added to the interior as well. *(only available with Textured Black exterior)*
- All Quaker laminates meet quality and test requirements in accordance to RAL GZ716/1

Warranty

- 10 year limited warranty on vinyl colors, painted exteriors and laminate coatings.
- See complete warranty details at www.QuakerCommercialWindows.com



El Magnet
Philadelphia, PA
Developer/Contractor: Callahan & Ward Prop.
Architect: ISA Architects
Comm. Window Distributor: Tague Lumber

Credit: Callahan & Ward



www.QuakerCommercialWindows.com

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Options

Glass & Grids

Pane thickness

- $\frac{3}{32}$ "
- $\frac{1}{8}$ "
- $\frac{5}{32}$ "
- $\frac{3}{16}$ "
- $\frac{1}{4}$ "
- $\frac{5}{16}$ "

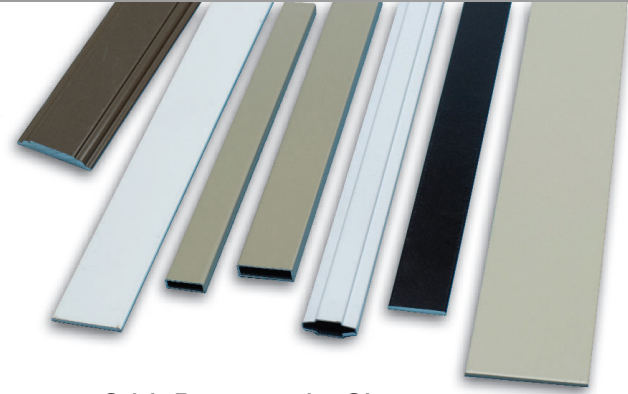
I.G. thickness

- 1" (Double pane)
- 1 $\frac{3}{8}$ " (Triple pane)

Glass Types

- Dual Silver Low-E
- Triple Silver Low-E
- Interior Pane Low-E
- Tempered Safety Glass
- Laminated
- Spandrel
- Neat+ Low Maintenance
- Obscure (for privacy)
- Tinted
- Bird Glass
- and many others

Some limitations may apply based upon several variables including but not limited to the window/door series chosen and requested/required specifications.



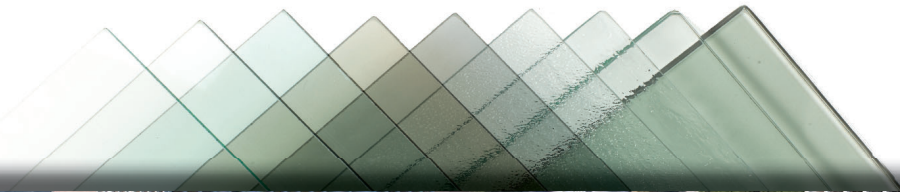
Grids Between the Glass

- Flat or Contoured

Simulated Divided Lites

- Numerous profiles and combinations available

This is a small sampling of the many grid profiles Quaker has available.



New Hope Housing Savoy
Houston, TX
Developer: LLI, LLC
Contractor: Camden
Architect: Garcia & Associates Architects
Comm. Window Distributor: South Plains Glass

Credit:
NewHopeHousing.com

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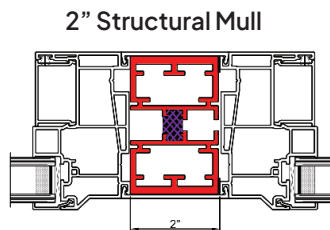
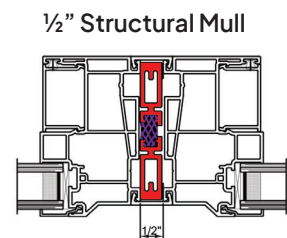
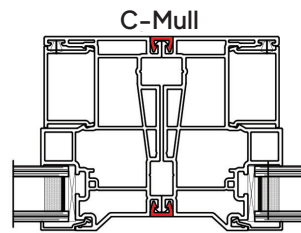
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Options and Accessories

Mulls

Whether stacking windows or pairing them side-by-side, V300 reinforced and structural mulling systems deliver confidence. They won't flex at the first sign of wind and their design leaves no room for infiltration.



**Usage limitations may apply*



LH44
Minneapolis, MN
Developer: 44th @ Harriett LLC and
Commerz Property Development
Contractor: Greiner Construction
Architect: Tushie Montgomery Architects
Comm. Window Dist.: Scherer Bros. Lumber

Credit:
Life Cycle
Real Estate

Accessories

Quaker can provide a multitude of accessories for your V300 install -- factory applied or sent loose for jobsite installation.*

- Casing
- Panning
- Receptor
- Subsill
- Louver systems to accommodate HVAC

Other factory-applied options and accessories include:

- WOCD (Window Operating Control Device)
- Trickle Vent
- and more.

**Some limitations may apply*



Sparta 505
San Jose, CA
Owner: Horizon Real Estate Holdings
General Contractor: LB Construction
Architect: VTBS Architects
Comm. Window Dist.: Signature Glass

Credit: Sparta505 Apartments



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Testing

During the design stage, value engineering may become part of the conversation. While this may help the bottom line, utilizing under-rated products can lead to unintended hazards and liabilities. That's why using properly-rated products is imperative in the modern building world.

- Quaker's V300 windows and doors are independently tested and have achieved CW-performance class ratings per NAFS standards.
- The ability to achieve stouter CW-ratings, instead of LC (Light Commercial)-ratings, affords you an immediate and tremendous advantage.
- The visible differences between CW and LC products may be nominal. However, the intangibles of knowing you've chosen a CW-rated product -- one that performed successfully when up against more stringent testing -- will lead to long-term peace of mind for all parties involved.

	CW	LC
Building Usage	Low-Rise, Mid-Rise	Low-Rise, Mid-Rise
Stories	Up to 11 stories	Up to 6 stories
Minimum Design Pressure (psf)	30	25
Minimum Water Test Pressure (psf)	4.50	3.75
Deflection Limit	L/175	No deflection limit specified
Gateway Test Sizes for Windows	Hung (56" x 91") Casement (32" x 60") Project-Out/In (48" x 32") Horizontal Slider (71" x 60") Fixed (56" x 91")	Hung (44" x 75") Casement (32" x 60") Project-Out/In (48" x 32") Horizontal Slider (71" x 56") Fixed (44" x 75")



LOCAL Boise
Boise, ID
Developer: LOCAL Ventures
Contractor: Brinkman Constructors
Architect: Cube 3

Credit: LocalBoiseApts.com

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Support Services

Quaker's expertise and support services are unmatched in the industry. While every project is distinct, Quaker offers in-house processes which consistently cover every detail. These fool-proof procedures ensure your project and our V300 products are a perfect match.

- Quaker has a dedicated commercial team with more than 125 years of industry experience
- Quaker's team will assist with every facet; design development, budgetary aspects, and project management



PROJECT AND SPECIFICATION REVIEW

How many stories are in the building?
Where is it located?
How large are the windows?
These and other important questions must be answered before moving forward.



ENGINEERING & DESIGN ASSESSMENT

After evaluating every component making up your project, our professional engineering expertise is put to work, as we carefully calculate customized solutions to best meet your spec's requirements.



LOCAL AND ARCHITECTURAL SALES SUPPORT

Quaker's Sales Representatives, many with 25+ years of knowledge and industry pedigree, have a vested interest in working beside you...not from afar. If you have questions, they want to answer them. If you have a concern, it's their concern too.



The Quaker Difference: More than meets the eye.

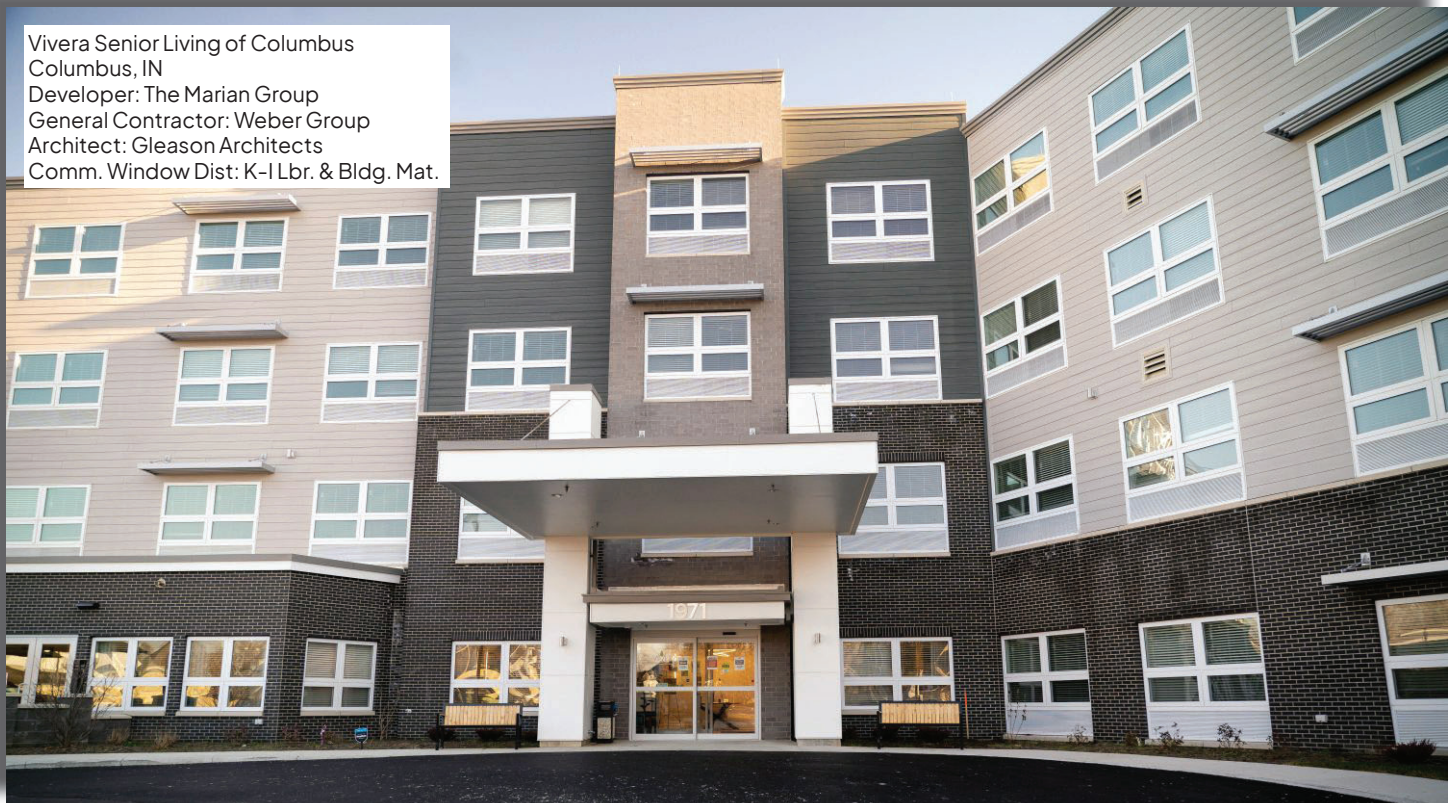
What distinguishes Quaker from all other window companies isn't always in plain sight. It's The Quaker Difference -- tangible and intangible assets working together to form the most sought-after windows in the market.

- It's a standard of craftsmanship and engineering excellence we build into every product, distinguishing us from all other window companies in America.
- It's professional manufacturing specialists, some with more than 40 years of window experience, providing unparalleled attention to detail from start to finish.
- It's shying away from testing only at entry-level, gateway sizes. Instead, we test using exaggerated and even maximum sizing. This ensures the entire scope of a product's sizing will meet the advertised rating.
- It's multiple quality checks implemented throughout the manufacturing process to guarantee a paramount product.
- It's our state-of-the-art vinyl paint facility. Unlike many manufacturers that outsource, Quaker controls the quality and consistency of our finish in-house.
- It's employing thicker glass panes which will both lower the amount of stress cracks and raise your ability to control sound intrusion.
- It's the importance put on incorporating thicker vinyl extrusions to ensure a stronger, long-lasting product.
- It's our "can-do" attitude toward custom projects. Never is a job too custom for Quaker. Our option and accessory choices allow us to do what others can't.
- It's doing more than just selling windows and doors. It's finding the right window and door solution for your project.

That's *The Quaker Difference*.



Vivera Senior Living of Columbus
Columbus, IN
Developer: The Marian Group
General Contractor: Weber Group
Architect: Gleason Architects
Comm. Window Dist: K-I Lbr. & Bldg. Mat.



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Find more information on Quaker windows and doors



 www.QuakerCommercialWindows.com

 1-800-347-0438

 commercial@quakerwindows.com



Made in America: All Quaker products are designed and manufactured in the United States at our state-of-the-art facilities in Eldon, MO (above) and Freeburg, MO.



November, 2024 - V5



ON THE COVER:

Anthology of King of Prussia Senior Living
Wayne, PA

Owner: CA Senior Living

Contractor: Wohlsen Construction

Architect: Perkins Eastman

Comm. Window Distributor: G2 Architectural