



# 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](http://www.QuakerCommercialWindows.com)

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## 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Put aside outdated perceptions of commercial vinyl with the V300 Series.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 <sup>#</sup>	SHGC Range <sup>#</sup>	STC Range <sup>x</sup>	OITC Range <sup>x</sup>
Casement	3 1/4"	CW50	36" x 78"	50	<.30	7.5	.23-.27	.11-.27	34-41	29-34
Project-Out	3 1/4"	CW50	60" x 32"	50	<.30	7.5	.24-.28	.11-.41	35	29
Hung	3 1/4"	CW50	56" x 91"	50	<.30	7.5	as low as 0.25	as low as 0.25	32-35	26-28
Horizontal Slider	3 1/4"	CW50	75" x 44"	50	<.30	7.5	as low as 0.25	as low as 0.25	32-34	26-29
Fixed (Wide Rail)	3 1/4"	CW50	78" x 78"	50	<.30	7.5	.14-.28	.13-.35	35	29
Fixed (Narrow Rail)	3 1/4"	CW50	72" x 84"	50	<.30	7.5	.21-.27	.13-.49		
Swing Door	3 1/4"	CW50	40" x 84"	50	<.30	7.5	as low as 0.24			

#-U-Value and SHGC Ranges based on multiple Low-E/Argon I.G. combinations

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

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

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

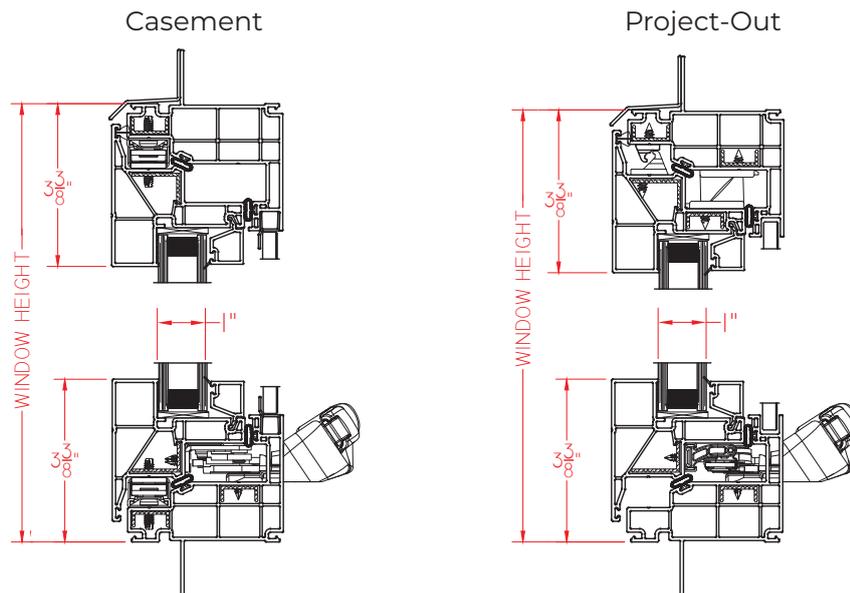
# V300

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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



# V300

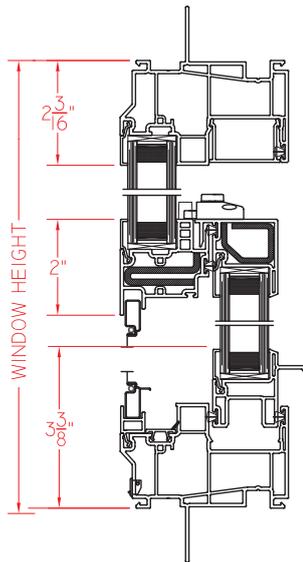
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## Products

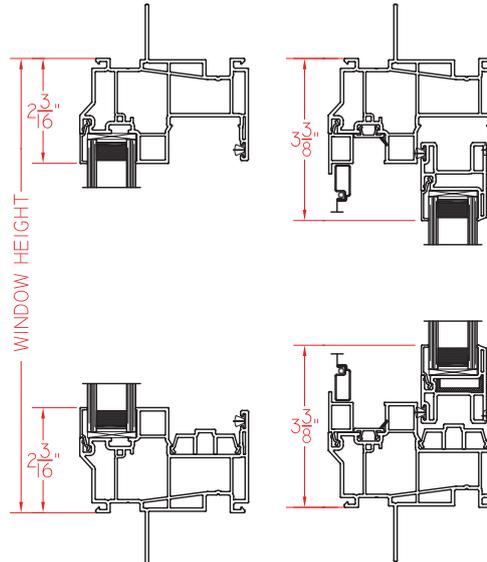
### Hung | Horizontal Slider

- 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



# V300

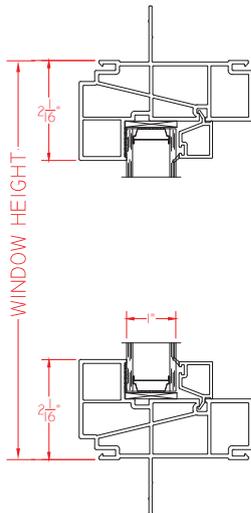
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## Products

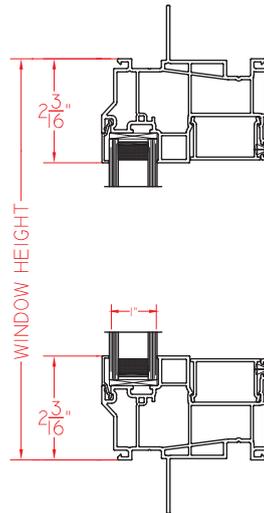
### Fixed

- 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

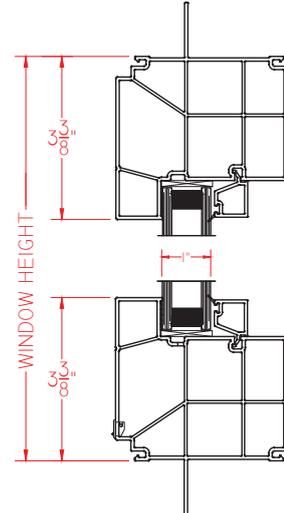
Fixed (Narrow Direct Set to match Casement & Project-Out)



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



Fixed (Wide Rail)



Midtown Row  
Williamsburg, VA  
Developer: Bridger Corp., Broad Street Realty, & Lamont Street Partners  
Contractor: Hourigan Construction  
Architect: Bonstra | Haresign Architects  
Comm. Window Dist: Builders First Source  
Credit: [MidtownRowWilliamsburg.com](http://MidtownRowWilliamsburg.com)



# V300

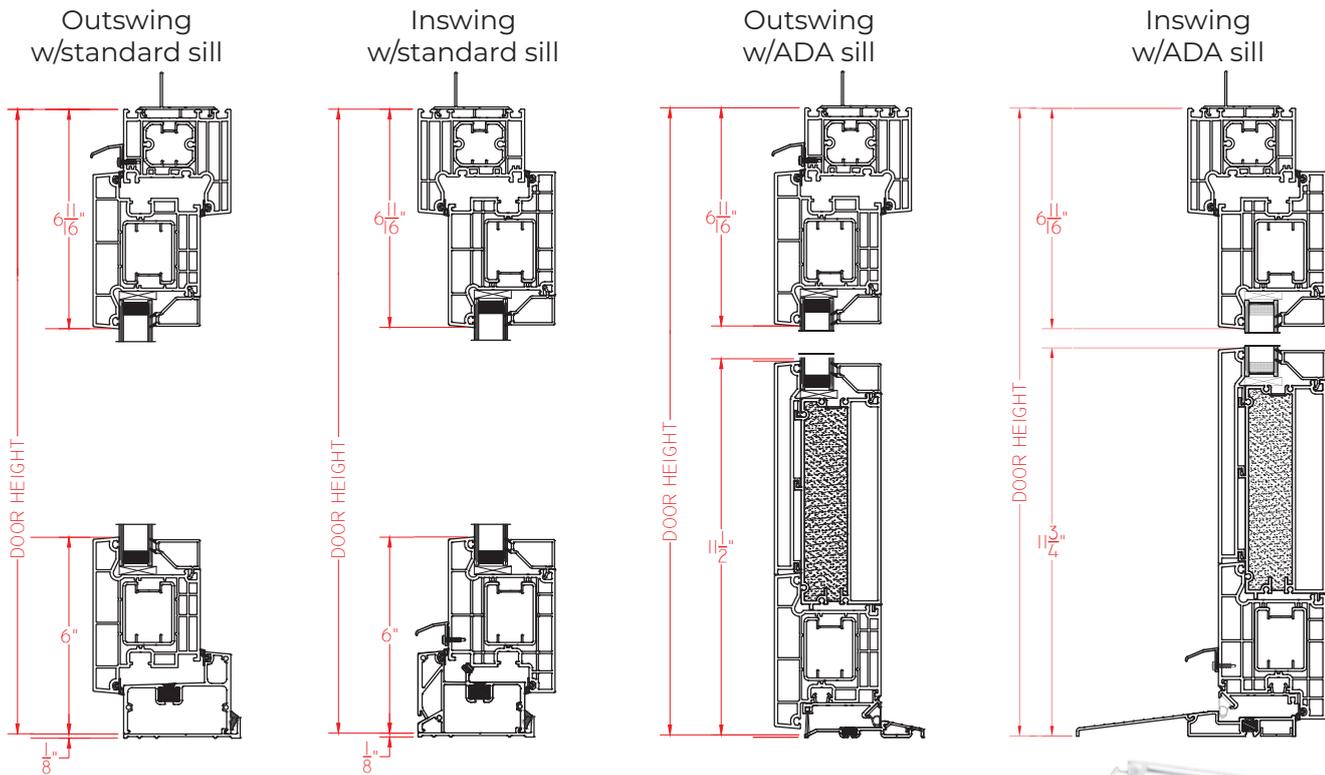
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## Products

### Swing Doors

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

- Metal reinforcements to 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



The Fred  
Edina, MN  
Developer: Solhem Companies  
Contractor: Weis Builders  
Architect: BKV Group, Inc  
Comm. Window Dist: Pro Source Bldg. Supply

Credit: BKV Group and Solhem Companies



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## Products

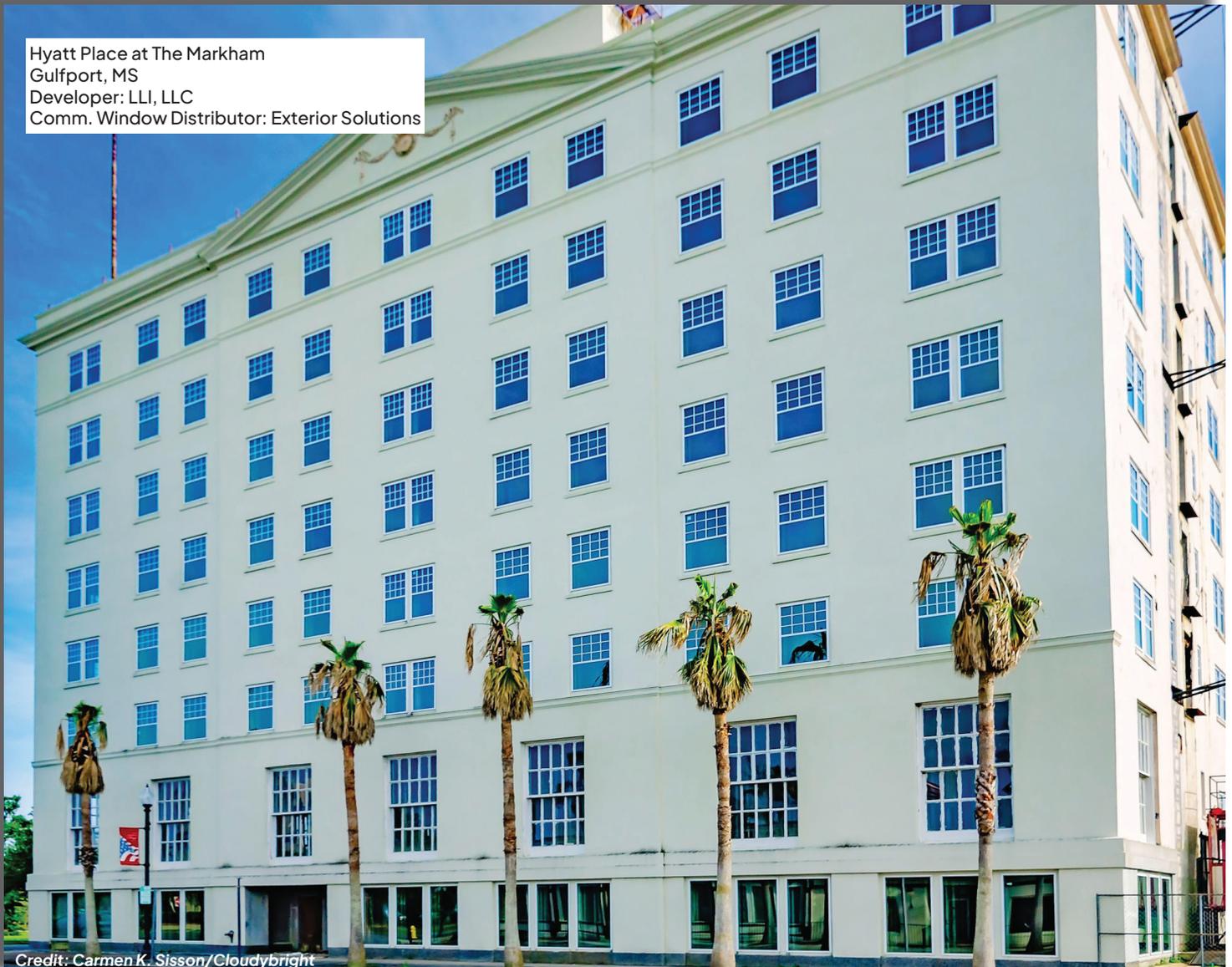
### Impact (V700)

- Meet ASTM 1886 (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](http://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
- World's preeminent green building organization



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



Credit: [BlockClubChicago.org](http://BlockClubChicago.org)

800-347-0438



# V300

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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

(New) Textured  
Dark Grey  
Available as a  
Painted Exterior &  
Laminate Exterior

#### Painted Exteriors

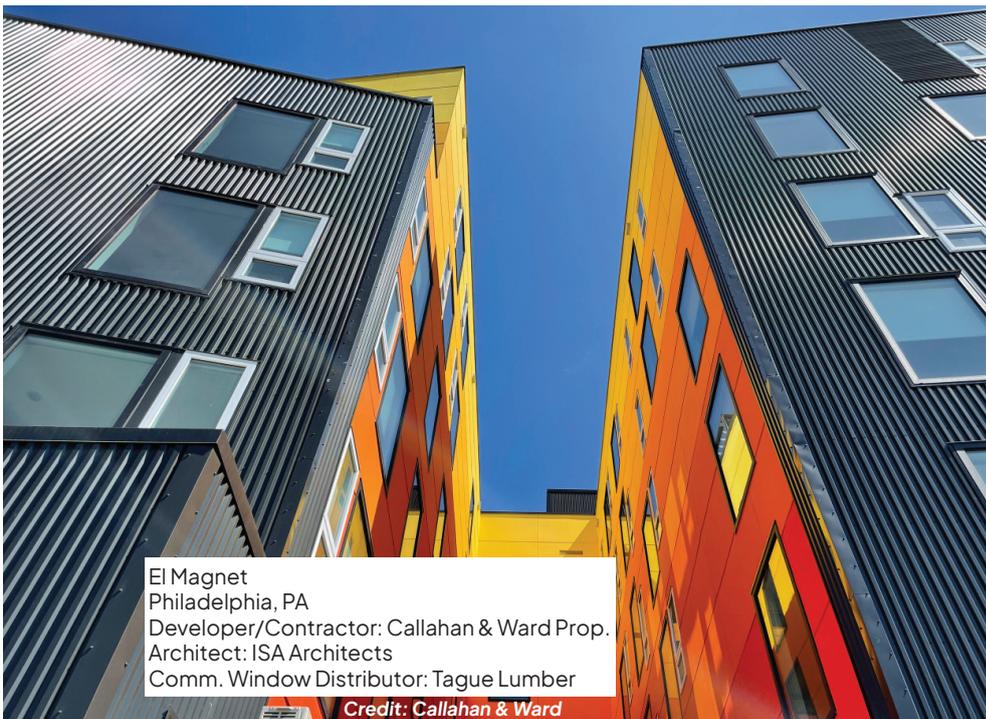
- Painted vinyl allows Quaker to offer an exterior color palette which far exceeds traditional expectations.
  - » Black
  - » Dark Bronze
  - » Redwood
  - » Holly Green
  - » Toffee
  - » Chestnut
  - » Earthtone
  - » Sandstone
  - » Beige
  - » Satin Creme
  - » White
  - » Resembles Clear Anodized
  - » Textured Black
  - » Textured Dark Bronze
  - » Textured Resembles Clear Anodized
  - » (NEW) 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 Dark Bronze
  - » Textured Resembles Clear Anodized
  - » (NEW) 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](http://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](http://www.QuakerCommercialWindows.com)

# V300

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## Options

### Glass & Grids

#### Pane thickness

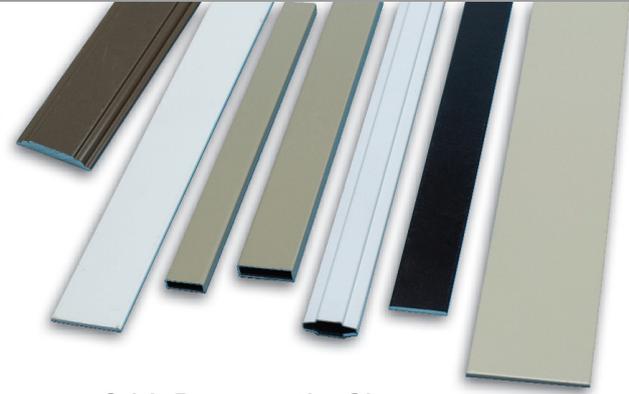
- $\frac{3}{32}$ "
- $\frac{1}{8}$ "
- $\frac{5}{32}$ "
- $\frac{3}{16}$ "
- $\frac{1}{4}$ "
- $\frac{5}{16}$ "

#### 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



#### 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.*

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



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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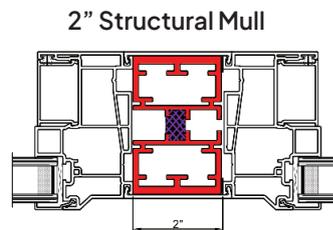
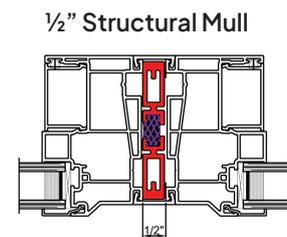
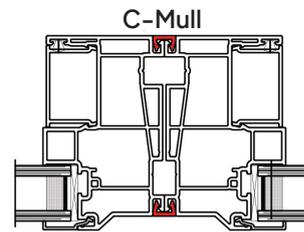
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## Options and Accessories

### 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



[www.QuakerCommercialWindows.com](http://www.QuakerCommercialWindows.com)

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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 CW-ratings, instead of LC (Light Commercial)-ratings, affords you an immediate and tremendous advantage.
- The tangible 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
<b>Building Usage</b>	Low-Rise, Mid-Rise	Low-Rise, Mid-Rise
<b>Stories</b>	Up to 11 stories	Up to 6 stories
<b>Minimum Design Pressure (psf)</b>	30	25
<b>Minimum Water Test Pressure (psf)</b>	4.50	3.75
<b>Deflection Limit</b>	L/175	No deflection limit specified
<b>Gateway Test Sizes for Windows</b>	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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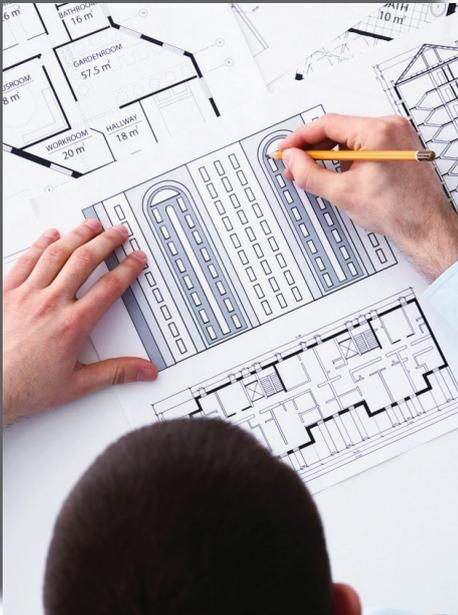
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## Support Services

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.

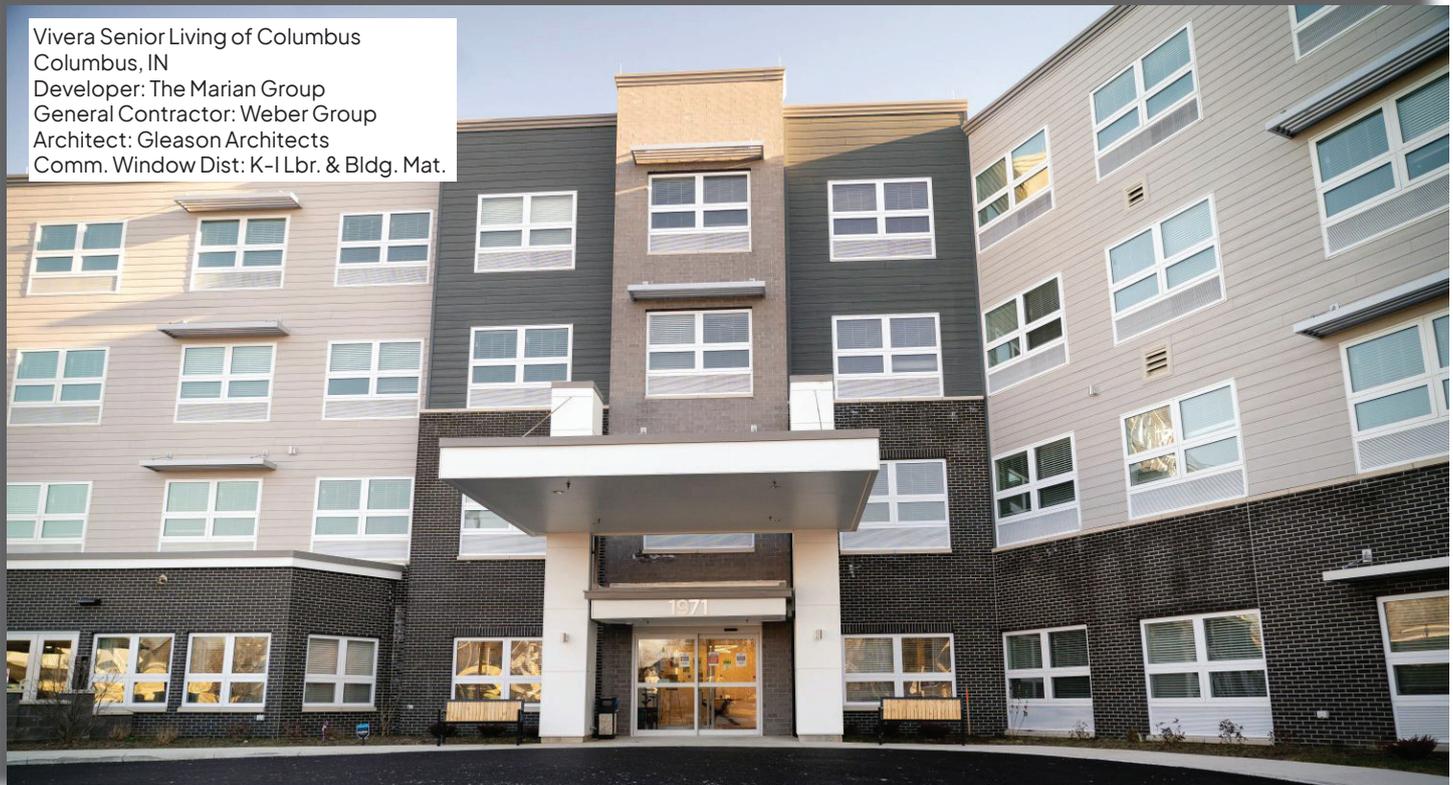
What distinguishes Quaker from all other window companies isn't always in plain sight. It's The Quaker Difference -- tangible and intangible assets working together to form the most sought-after windows in the market.

- 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 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](http://www.QuakerCommercialWindows.com)

 1-800-347-0438

 [commercial@quakerwindows.com](mailto: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.



December, 2023 - V4



**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