

K-12 SCHOOLS

Commercial Windows and Doors



Products and Project References

www.QuakerCommercialWindows.com

Educational Sector projects are rarely elemental.

There are many school types in the K-12 world; public and private, kindergarten all the way up to high school. Some with 50 students. Others with a thousand or more. At Quaker, we've worked with every type, so we know that with this varied collection, there's rarely an instance when one school's build is the same as another.

While every school has its own distinctive attributes, most projects in the K-12 market segment-- whether new construction or replacement -- propose many of the same characteristics:

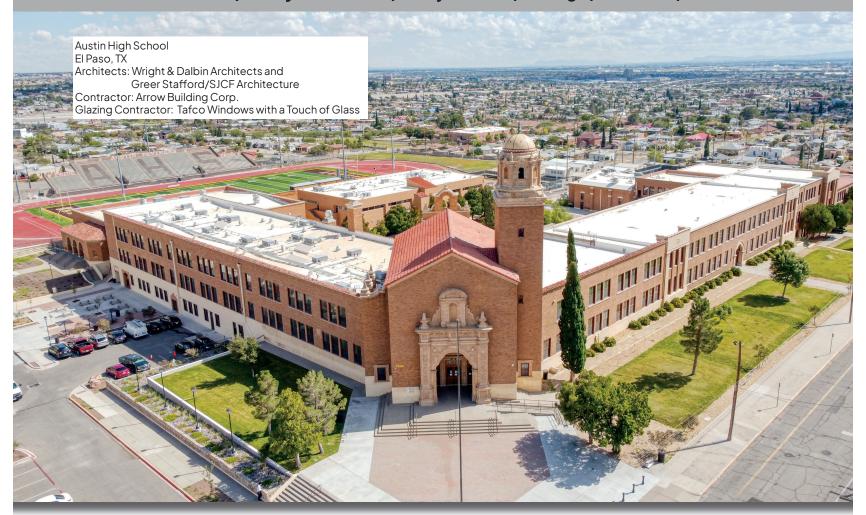
- shorter time frames to complete the job
- acute attentiveness to delivery schedules
- maximum safety features with full-functionality
- the ability to withstand everyday wear and tear
- high energy-efficiency where needed
- a keen eye kept on allotted budgets

At Quaker Windows, we fully understand all of these aspects and that's why we're so effective when working within the educational market.

Along with our immeasurable experience, our vast product line can work for any type of project within the K-12 field -- from meeting design expectations of new, modern educational centers to fulfilling historical specifications for treasured community institutions.



Casement | Project-Out | Project-In | Hung | Slider | Fixed



FEATURES:

- CW to AW ratings
- Architecturally extruded aluminum
- All products include a thermally-broken design
- Patented OptiCore™ technology for enhanced thermal efficiency (C600/C605 only)
- Modern, squared sash frame or Traditional/Historic sash frame (availability varies based on series and model)
- 3/4" to 13/8" I.G. with warm-edge spacer
- Commercial-grade hardware
- Full line of operating and fixed window models
- Matching Sliding and Terrace Door models available
- Product line encompasses New Construction and Replacement applications

BENEFITS:

- Industry-leading thermal efficiencies
- Green initiatives built into every product
- In-house powder coat facility means no lengthy lead times
- Custom color capabilities
- Split color option i.e. separate colors on exterior and interior (C600/C605 only)
- Standard 1" glass package achieves a minimum of 28 STC
- Blinds/Panel option (C600/C605 and E600 only)
- Standard and custom sizing for all models
- Impact and Florida Building approved products

Aluminum Windows Selection Guide

Model	Series	Frame Depth	Structural Test Rating	Test Size	Air Infiltration	Water Resistance	U-Value Range [#]	SHGC Range#	STC Range ^X	OITC Range ^X
Casement	C600/C605	41/8"	Up to AW100	48" x 84"	<.10	15	0.19-0.36	0.11-0.45	28-41	28-34
	E600	3 1/4"	Up to AW100	36" x 72"	<.10	12	0.27-0.58	0.09-0.49	31-42	25-34
	H450	31/4"	CW90	36" x 60"	<.30	up to 15	0.39-0.59	0.12-0.58	34-37	29-32
	M600	3 1/4"	AW-PG70	36" x 72"	<.10	15	0.32-0.57	0.11-0.54	29-43	23-34
	C600/C605	41/8"	Up to AW100	48" x 72"	<.10	15	0.19-0.39	0.11-0.45	28-41	28-35
Design of Out	E600	31/4"	AW100	60" x 36"	<.10	15	0.26-0.37	0.10-0.41		
Project-Out	H450	31/4"	CW70	60" x 36"	<.30	up to 15	0.39-0.59	0.12-0.58		
	M600	31/4"	AW-PG70	48" x 72"	<.10	15	0.33-0.59	0.11-0.54	up to 43	33-34
Project-In	E600	31/4"	AW100	60" x 36"	<.10	15	0.27-0.59	0.10-0.49		
	E300	31/4"	CW-PG50	56" x 91"	<.30	7.5	0.36-0.56	0.11-0.56		
Single	E500	31/4"	AW-PG40	60" x 99"	<.30	8.15	0.36-0.56	0.11-0.56		
Hung	H650	41/8"	AW-PG60	60" x 99"	<.30	12	0.28-0.43	0.15-0.32	31–32	24-26
	T500	31/4"	AW-PG50	60" x 99"	<.30	10	0.37-0.58	0.12-0.60		
Double	E300	31/4"	CW-PG50	47" x 59"	<.30	7.5	0.36-0.56	0.11-0.56	34-36	28-31
Hung	E500	31/4"	AW-PG40	60" x 99"	<.30	8.15	0.36-0.56	0.11-0.56		
	E300	31/4"	CW-PG50	72" x 60"	<.30	7.5	0.35-0.41	0.14-0.48		
Horizontal Slider	E500	31/4"	AW-PG50	99" x 79"	<.30	10	0.36-0.41	0.13-0.48	33	28
	K200	2 3/8"	CW-PG40	60" x 59"	<.30	6	0.37-0.68	0.12-0.61	29-51	24-39
	C600/C605	41/8"	AW-PG100	60" x 99"	<.10	15	0.15-0.49	0.11-0.68	30-40	30
Fixed	E300	31/4"	AW-PG50/CW70	60" x 99"	<.10	10	0.25-0.32	0.16-0.57		
	E500	31/4"	AW-PG50/CW70	60" x 99"	<.10	10	0.25-0.32	0.16-0.57		
	E600	31/4"	AW-PG100	60" x 60"	<.10	15	0.18-0.51	0.11-0.67		
	H450	31/4"	AW-PG110	72" x 120"	<.10	up to 15	0.23-0.34	0.16-0.37		
	H650	41/8"	AW-PG90	60" x 99"	<.10	15	0.22-0.43	0.16-0.36		
	K200	2 3/8"	CW50	64" x 71"	<.30	7.5	0.27-0.51	0.13-0.68		
	M600	31/4"	AW-PG70	60" x 60"	<.10	12	0.18-0.50	0.13-0.68	32-43	26-33

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

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



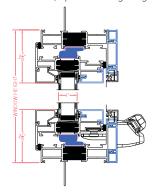
^{#-}U-Value and SHGC ranges are NFRC certified based on I.G. combinations incorporating some or all the following: Low-E glass, clear glass, argon gas and/or air fill,

Selection Guide

Casement

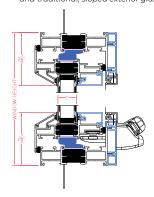
C600 Series

Shown with nailing fin, roto hardware, and modern, square exterior glazing



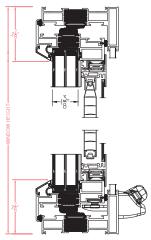
C605 Series

Shown with nailing fin, roto hardware, and and traditional, sloped exterior glazing



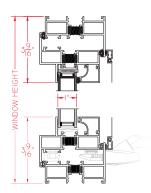
C605 Series with blinds/panel

Shown without nailing fin, with optional triple-pane I.G., roto hardware, beveled exterior glazing



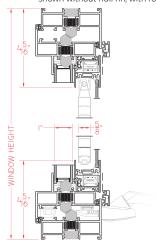
E600 Series

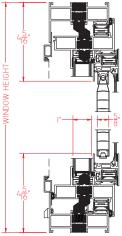
Shown with roto hardware



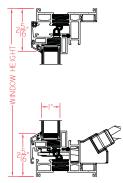
E600 Series with blinds/panel

Outswing model Inswing Model shown without nail fin, with roto hardware and optional blind/panel



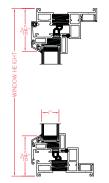


H450 Series



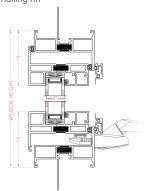
H450 Series

Shown with push-out hardware



M600 Series

Shown with roto hardware and optional

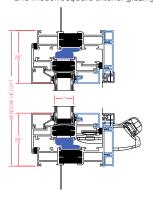


Selection Guide

Project-Out

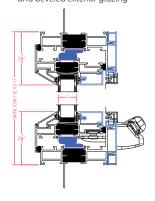
C600 Series

Shown with nailing fin, roto hardware, and modern, square exterior glazing



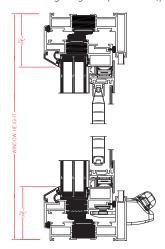
C605 Series

Shown with nailing fin, roto hardware, and beveled exterior glazing



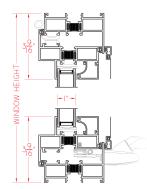
C605 Series with blinds/panel

Shown without nailing fin, triple-pane I.G., roto hardware, beveled exterior glazing and optional blind/panel



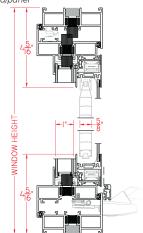
E600 Series

Shown with roto hardware



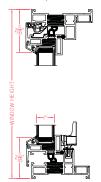
E600 Series with blinds/panel

Shown with roto hardware and optional



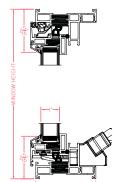
H450 Series

Shown with push-out hardware



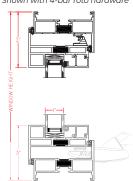
H450 Series

Shown with roto hardware



M600 Series

Shown with 4-bar roto hardware

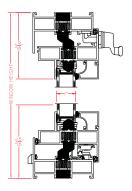




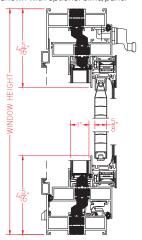
Selection Guide

Project-In

E600 Series



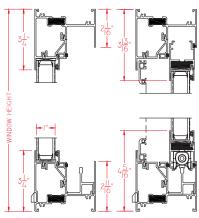
E600 Series with blinds/panel





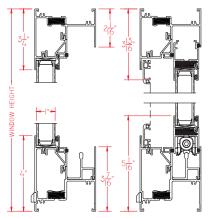
Horizontal Slider

E300 Series

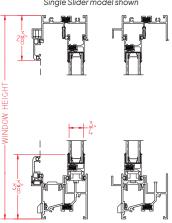


E500 Series

Single Slider model shown



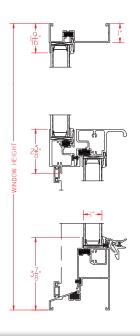
K200 Series



Selection Guide

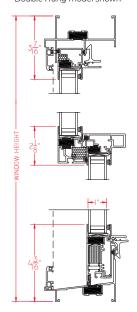
Single Hung/Double Hung

T500 Series

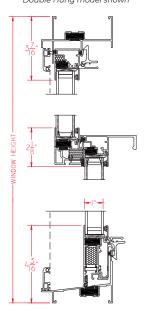


E300 Series

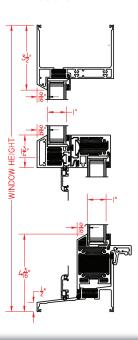
Double Hung model shown



E500 Series



H650 Series



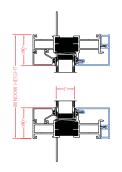


Selection Guide

Fixed

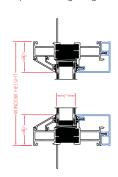
C600 Series

Shown with nailing fin and modern, square exterior glazing



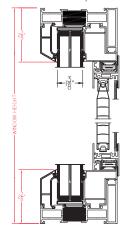
C605 Series

Shown with nailing fin and traditional, sloped exterior glazing



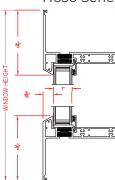
C605 Series with blinds/panel

Wide Rail Narrow Rail Shown with traditional sloped exterior glazing, optional triple pane I.C. and optional blinds/panel

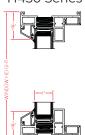




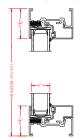
H650 Series



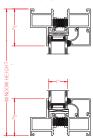
H450 Series



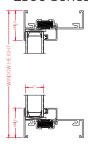
K200 Series



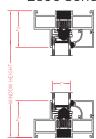
T600 Series



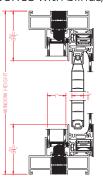
E300 Series



E600 Series

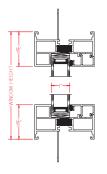


E600 Series with blinds/panel



M600 Series

Shown with optional nailing fin



Vinyl Windows

Hung | Casement | Project-Out | Slider | Fixed



FEATURES:

- LC, CW and AW Ratings
- 100% pure uPVC vinyl
- Fusion welded corners
- .060 Vinyl thickness
- Metal reinforcements in critical areas
- Amesbury/Truth® operating hardware
- Block & Tackle balancers on all hung units
- 3/4" to 13/8" I.G. with warm-edge spacer
- Full line of operating and fixed window models
- Product line encompasses New Construction and Replacement applications

BENEFITS:

- Value added alternative to traditional aluminum windows
- Industry-leading thermal efficiencies
- Green initiatives built into every product
- Impact and Florida Building approved products
- Standard I.G. achieves a minimum of 28 STC
- Custom painted exterior color capabilities*
- Standard and custom sizing for all models

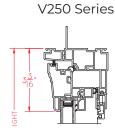
^{*-}some limitations may apply

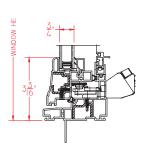
Vinyl Windows Selection Guide

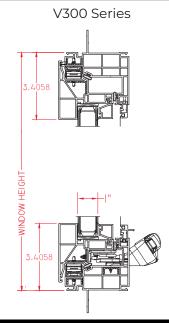
Model	Series	Frame Depth	Structural Test Rating	Test Size	Air Infiltration	Water Resistance	U-Value Range#	SHGC Range#	STC Range ^X	OITC Range ^X
Casement	V250	3 1/4"	LC35	32" x 60"	<.30	5.4	0.24-0.46	0.10-0.52		
	V300	3 1/4"	CW50	36" x 78"	<.30	7.5	0.17-0.41	0.09-0.51	34-41	29-34
	V600	3 1/4"	AW75^		<.10^	up to 15^	0.19-0.35^		32^	42^
Project-Out	V250	3 1/4"	LC35	48" x 32"	<.30	5.4	0.25-0.46	0.10-0.52		
	V300	3 1/4"	CW50	60" x 32"	<.30	7.5	0.17-0.42	0.09-0.51	35	29
	V600	3 1/4"	AW75^		<.10^	up to 15^	0.19-0.35^		32^	42^
Single Hung	V250	3 1/4"	LC35	44" x 75"	<.30	5.4	0.25-0.52	0.12-0.62		
	V300	3 1/4"	CW-PG50	60" x 99"	<.30	7.52	0.20-0.46	0.10-0.60	32-35	26-28
Double Hung	V250	3 1/4"	LC35	36" x 84"	<.30	5.4	0.24-0.51	0.11-0.62		
Horizontal Slider	V250	3 1/4"	LC35	63" x 44"	<.30	5.4	0.25-0.52	0.12-0.62		
	V300	3 1/4"	CW-PG50	60" x 99"	<.30	7.52	0.20-0.46	0.10-0.60	32-34	26-29
Fixed	V250	3 1/4"	LC35	56" x 56"	<.30	5.4	0.22-0.51	0.11-0.65		
	V300	3 1/4"	CW50	78" x 78"	<.30	7.5	0.14-0.45	0.10-0.68	35	29
	V600	3 1/4"	AW75^		<.10^	up to 15^	0.15-0.35^		32^	40^

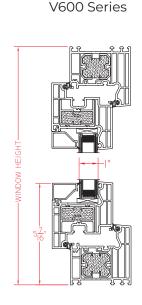
All ratings listed are NAFS certified. Periodic re-certification testing is required thus data shown may vary slightly

Casement









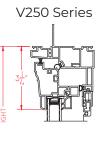
^{#-}U-Value and SHGC ranges are NFRC certified based on I.G. combinations incorporating some or all the following: Low-E glass, clear glass, argon gas and/or air fill, and

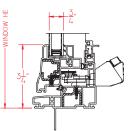
^{~-}STC and OITC Ranges based on multiple I.G. combinations
- ratings and test information are projected. Testing still in progress as of 10–1–2024.

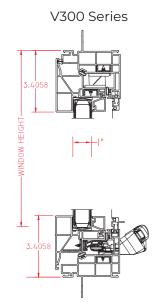
Vinyl Windows Selection Guide

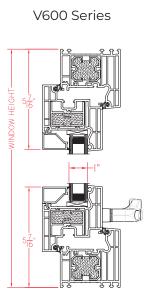
Project-Out





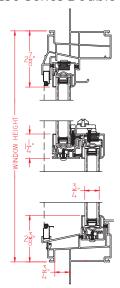




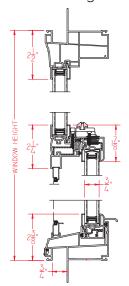


Single Hung / Double Hung

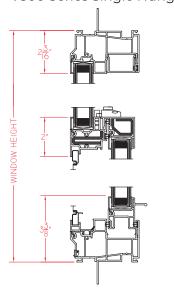
V250 Series Double Hung





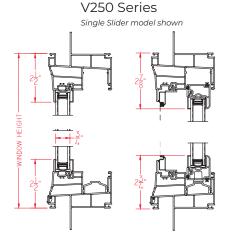


V300 Series Single Hung

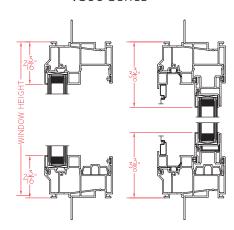


Vinyl Windows Selection Guide

Horizontal Slider



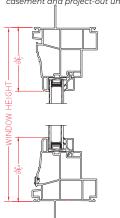
V300 Series



Fixed

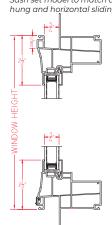
V250 Series

Sash set model to match all V250



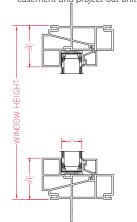
V250 Series

Sash set model to match all V250



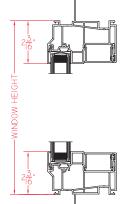
V300 Series

Sash set model to match all V300 casement and project-out units



V300 Series

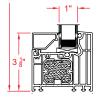
Sash set model to match all V300 hung and horizontal sliding units



V600 Series

Direct set model to match all V600 casement and project-out units







Options

Accessories, Colors, Finishes

Installation Accessories



Quaker can provide a multitude of installation accessories for both aluminum and vinyl windows and doors.

- Receptors and Subsills
- Panning and Break Metal
- Vertical and Horizontal Mull Systems.
 Factory mulled or sent loose for jobsite installation*
- Trim
- Decades of experience producing custom, job-specific accessory dies

*Some limitations may apply

Quaker has the right accessory solutions to make your job run smoother. See what we mean.



Colors & Finishes

For Quaker Aluminum Windows:

- Finishes: FGIA 2604 Finish is our standard. Upgrades to a 2605 finish are available for most colors.
- Choose from 40 "Quick-Pick" colors. If that's not enough, our custom color capabilities put any color at your fingertips.
- Class I Anodized is available upon request

For Quaker Vinyl Windows:

- Pure uPVC in White or Sandstone vinyl colors
- Painted Vinyl: Exterior only, Quaker's painted vinyl affords a color palette which far exceeds traditional expectations because of an ability to produce any custom color you have in mind.
- FGIA 615-05 is the standard finish for all painted vinyl colors
- High-Performance Laminate Coatings:
 Laminate coatings, which are in accordance to
 RAL GZ 716/1, can be used on the exterior of all
 vinyl products. For a limited amount of Quaker's
 vinyl windows, laminate can be added to the
 interior too.



Cross Trainers K-12 Academy for At Risk Children Milwaukee, WI

Owner: Milwaukee Rescue Mission Architect: Plunkett Raysich Architects Contractor: Catalyst Construction

Dealer: Gordon Solutions



Options Glass & Grids

Glass

Pane Thickness:

I.G. Thickness:

- 3/4" (Double pane)
- 1" (Double pane)
- 13/8" (Triple pane)
- 1½" (Triple pane)

Glass Types:

- Dual Silver Low-E
- Triple Silver Low-E
- Interior Pane Low-E
- Tempered Safety Glass
- Laminated
- Spandrel
- Solar-Cooled
- Obscure (for privacy)
- Tinted
- Bird Glass
- Insulated Panels
- 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



Simulated Divided Lites:

Numerous profiles and combinations available (½" to 3 ¾" wide)

Grids Between the Glass:

- Flat (5/8", 3/4" or 1")
- Contoured (³/₄")

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

Some limitations may apply



Quaker Support Services

Quaker's expertise and support services are unmatched in the industry. While every K-12 project is distinct, Quaker offers in-house processes which consistently cover every detail. These fool-proof procedures ensure your project and our 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 that we build into every product, distinguishing us from all other window companies in America.
- It's shying away from testing at only 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 our "can-do" attitude toward custom projects. Never is a job too custom for Quaker. Our options and accessory choices allow us to do what others can't.
- It's multiple quality checks implemented throughout the manufacturing process to guarantee a paramount product.
- It's our state-of-the-art powder paint facility, one of the largest in the U.S., which allows us to control the quality and consistency of our finish, unlike manufacturers that outsource their painting. As well, it supports our "green" initiatives by employing environmentally-friendly coatings that emit nearly zero VOCs into the air.
- 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 professional manufacturing specialists, some with more than 40 years of window experience, providing unparalleled attention to detail from start to finish.
- It's a sales team fully-dedicated to the commercial building sector, working hard to ensure that the product you need is the product you order.
- 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.





References

See more of Quaker in recently completed projects for these schools

ALABAMA

Elkmont Elementary School School - Elkmont North Sand Mountain High School - Bryant

ARIZONA

Cartwright School District #83 - Phoenix Red Rock Day School - Red Valley

ARKANSAS

Central Arkansas Christian High School - N. Little Rock Huntsville Middle School - Huntsville Weaver Elementary School - West Memphis

Colorado

Bryant Webster Elementary School - Denver Colfax Elementary School - Denver

CONNECTICUT

Tolland Middle School - Tolland

DELAWARE

Newark Charter School - Newark

GEORGIA

Buford High School - Buford Tift County School District - Tifton

IDAHO

Hawthorne Elementary School - Boise The Sage School - Hailey

ILLINOIS

Elgin Math & Science Academy - Elgin Greenbrook Elementary School - Hanover Park Lexington Elementary School - Maywood Macomb Middle School - Macomb Robert Fulton Elementary School - Chicago

INDIANA

Herron Preparatory Academy - Indianapolis Indiana School for the Blind - Indianapolis Lake Ridge New Tech School - Gary Washington Catholic Elementary School - Jasper

Iowa

Maquoketa Valley Comm. School District - Delhi Sidney Elementary School - Sidney Sidney Junior/Senior High School - Sidney Solon High School - Solon

Kansas

USD 316 Golden Plains Elementary School - Selden

KENTUCKY

Montessori School - Bowling Green

LOUISIANA

Lincoln Preparatory School - Grambling St. James Episcopal Day School - Baton Rouge

MAINE

Mt. Ararat Middle School - Topsham

MARYLAND

Baker Middle School - Damascus Greencastle Elementary School - Silver Spring Lake Seneca Elementary School - Germantown Landon College Prep - Bethesda Laytonsville Elementary School - Gaithersburg Magruder High School - Derwood Monocacy Elementary School - Dickerson Poolesville Elementary School - Poolesville Sherwood Elementary School - Sandy Spring Town Creek Elementary School - Lexington Park

MASSACHUSETTS

Rollins School - Lawrence St. Mark's School - Southborough Stoneham High School - Stoneham Yeshiva Ohr Yisrael School - Chestnut Hill

MICHIGAN

Lake City Middle School/High School - Lake City Robert Nickels Intermediate School - Byron Center

MINNESOTA

Plainview-Elgin-Millville High School - Plainview St. Frances/St. James United School - St. Paul

MISSISSIPPI

Alcorn Central Elementary School - Glen Attala County School District - Kosciusko Central Hinds Academy - Bolton Clinton Public School District - Clinton Choctaw County High School - Ackerman Ethel High School - Ethel Greenlee Elementary School - McCool Grenada Elementary School - Grenada Indianola Academy - Indianola Kossuth High School - Corinth Lafayette Middle School - Oxford Long Creek Elementary School - Sallis McAdams High School - Petal

MISSOURI

Central VPA High School - St. Louis City Garden Montessori School - St. Louis Clearwater High School - Piedmont East Elementary School - Jefferson City Mark Twain High School - Center Nottingham CAJT High School - St. Louis Novinger High School - Novinger Smithton R-6 - Smithton Vienna High School - Vienna

NEBRASKA

Emerson Elementary School - Alliance Grandview Elementary School - Alliance



New York

St. Anthony's High School - South Huntington St. Catherine's R&E May School - Albany

North Carolina

Eastern High School - Mebane North Newton Elementary School - Lexington Pine Springs Preparatory Academy - Holly Springs Yadkin Valley Career Academy - Lexington

OHIO

St. Ignatius High School - Cleveland

OKLAHOMA

Primrose School of South Tulsa - Tulsa

OREGON

Medford School District - Medford Sisters Elementary School - Sisters

PENNSYLVANIA

Carmalt PreK-8 Academy - Pittsburgh El Centro Big Picture High School - Philadelphia Gateway Middle School - Monroeville

RHODE ISLAND

LaSalle Academy - Providence North Smithfield School District - North Smithfield

SOUTH CAROLINA

Johnsonville High School - Johnsonville

TENNESSEE

Mid-South Gifted School - Collierville

TEXAS

Doss School - Doss Fort Worth County Day School - Fort Worth Friona ISD High School - Friona Meadows Independent School District - Lubbock Parks Elementary School - Texarkana

Washington

Aberdeen School District Admin. Bldg. - Aberdeen

WEST VIRGINIA

Burnesville Elementary School - Burnsville Ghent Elementary School - Ghent

Wisconsin

Edison School - Milwaukee Fairview School - Milwaukee Northern Ozaukee School District - Fredonia Tenor High School - Milwaukee Veritas High School - Milwaukee Winskill Elementary School - Lancaster





K-12 SCHOOLS

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.









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