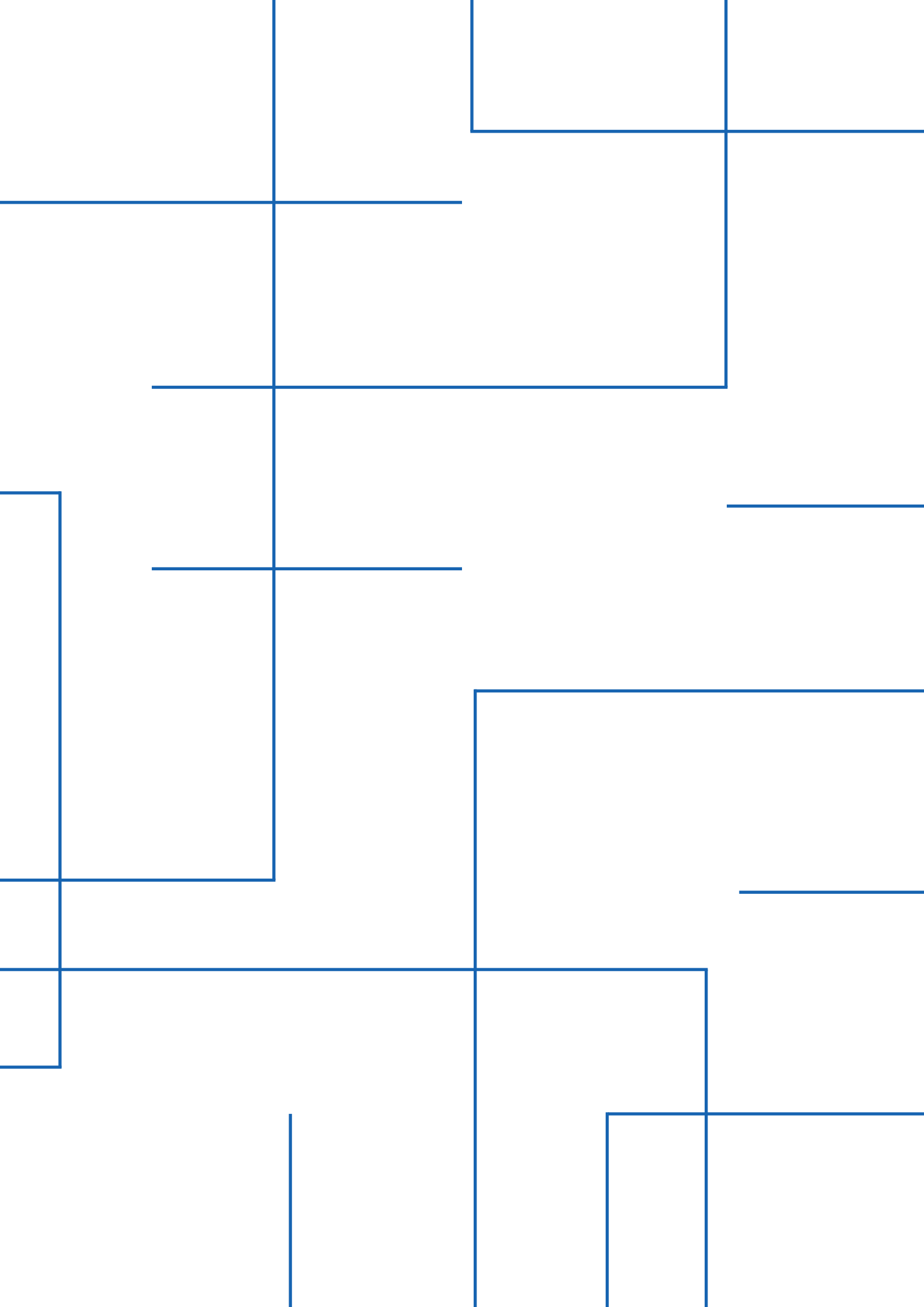


PROGRADE
ALUMINUM SYSTEMS

PRODUCT CATALOGUE





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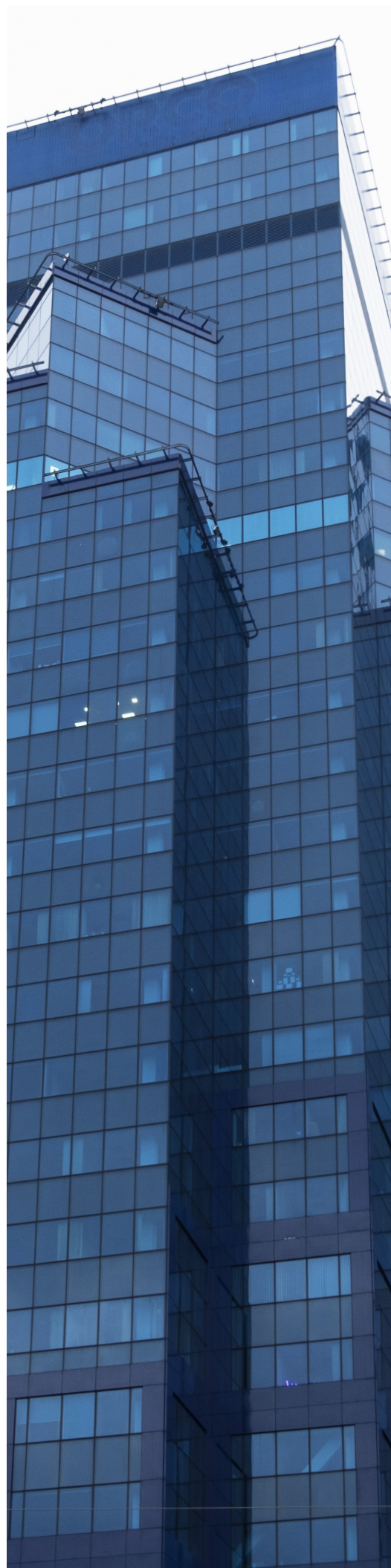
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About us

ProGrade Aluminum Corp. is an aluminum systems supplier and manufacturer of high quality aluminum windows and doors. We fabricate the product right here in the US and take great pride in the products and services that we provide to the building and construction community. We have teamed up with leading European extruders to be able to bring the latest technology in the field of fenestrations to the American market.

We supply innovative and proven aluminum facade systems that include glazed curtain walls, rain screens, sun control systems and aluminum composite panels, aluminum windows and doors for residential and commercial applications, interior office partitions, balcony railings, aluminum outdoor systems and more.

We welcome “out of the box” thinking that challenges our every day routine and we are always up to the task to find a new solution for a project. Innovation and creativity is how we approach any new task and that makes us stand out from the crowd.





SYSTEMS

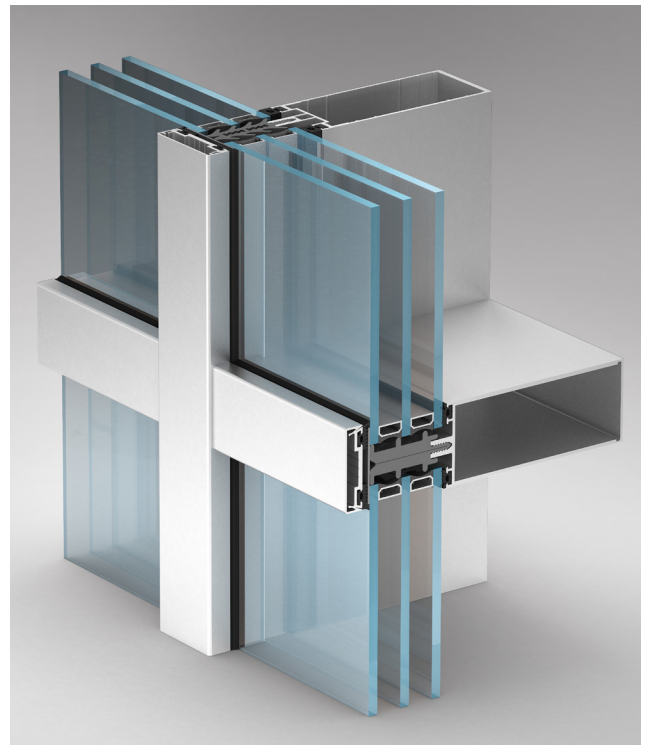


PGA F50

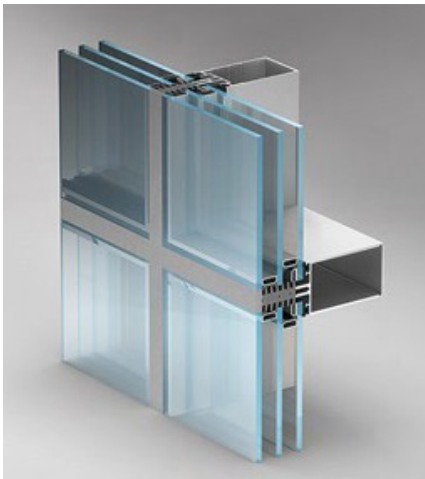
Curtain wall systems

PGA F50 curtain wall system is designed for projects of different engineering complexity such as exterior curtain walls, roofs, skylights, winter gardens and other design solutions. They are used for both new construction and retrofit projects.

The system provides impermeability to atmospheric precipitation while allowing natural light to enter the building. PGA F50 also has high thermal and acoustical performance that can be customized to meet project requirements.



Classic facade

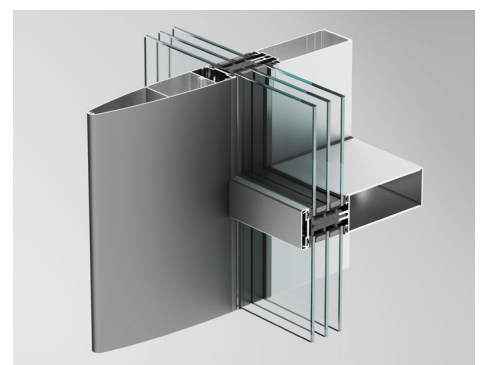
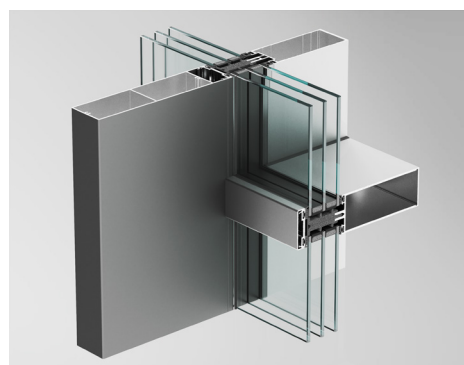
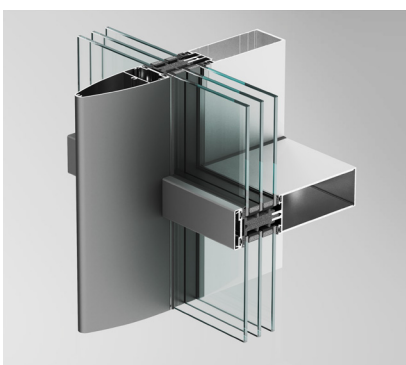
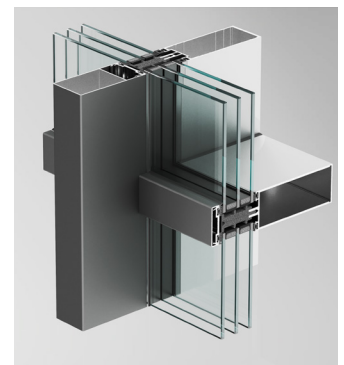
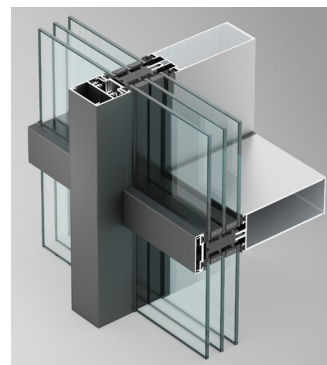
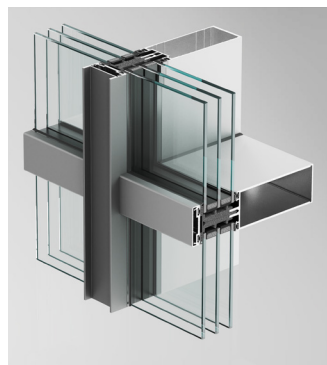
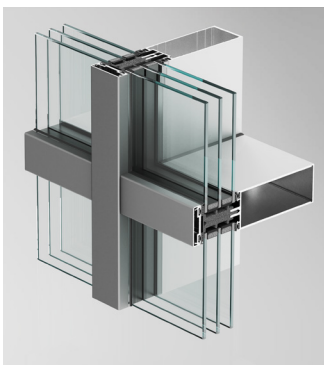
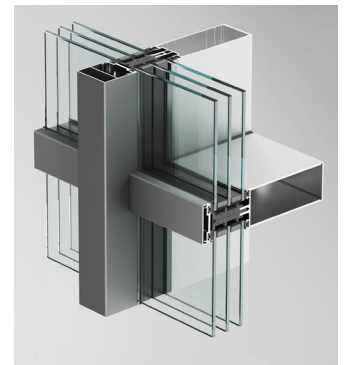
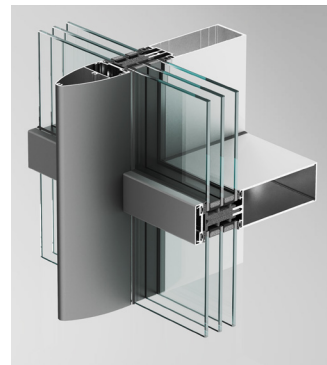
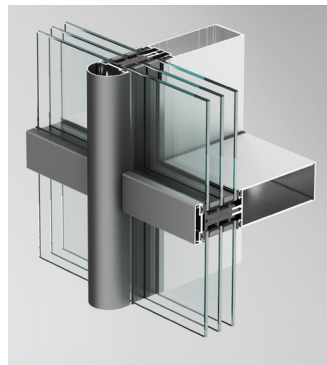
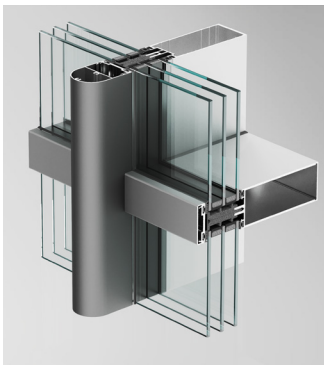


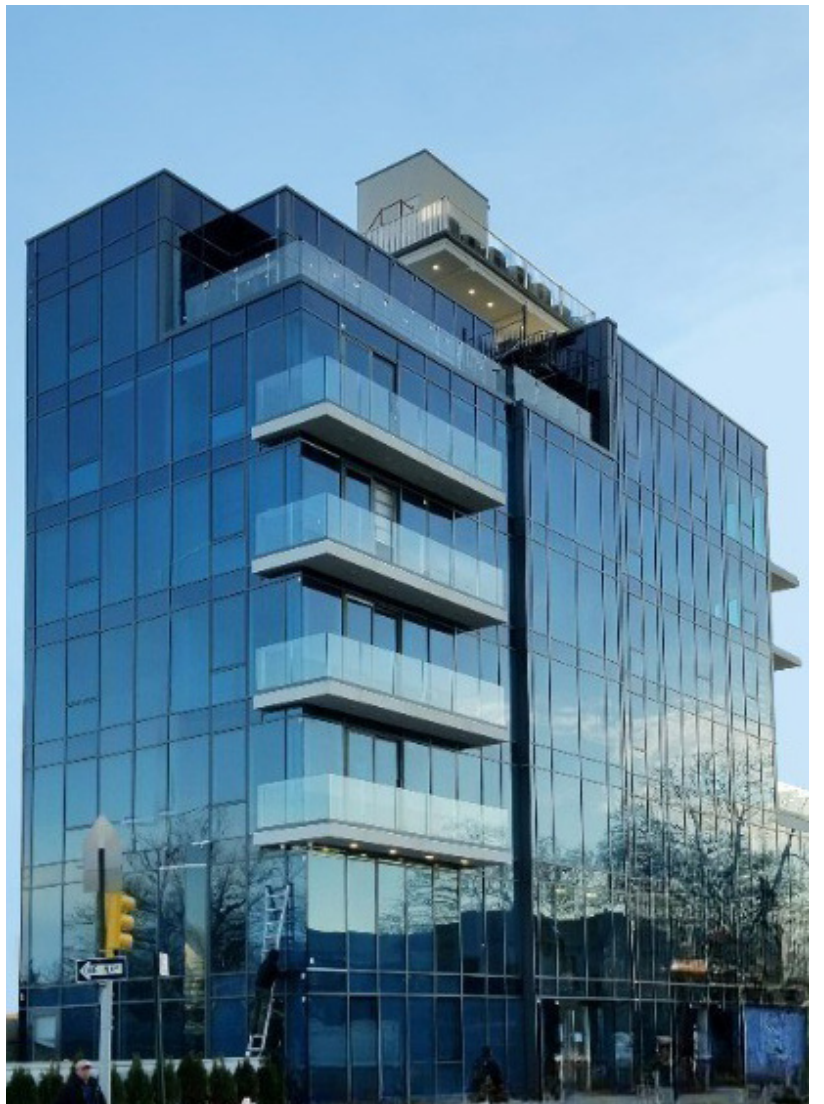
Structural facade

Advantages :

- Great thermal and acoustical performance.
- Wide range of profil depth and options.
- Many available options for exterior covers.
- Integration with other window and door systems.
- Integration with solar shades and signage.
- Can accommodate different thickness.

Decorative caps options :





PGA W62

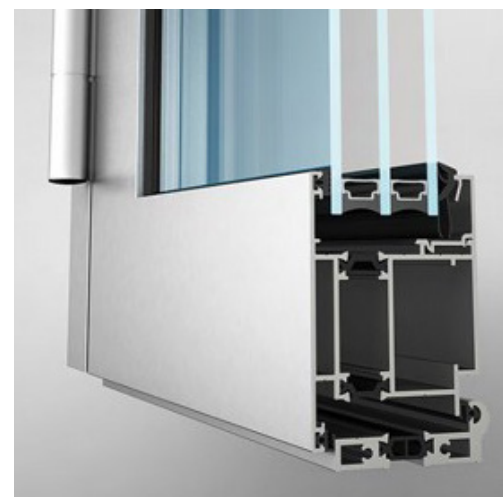
Insulated window and door system

PGA W62 is a multifunctional system for manufacturing windows and doors, window units of any configuration with high thermal and acoustic requirements.

The excellent thermal characteristics, air tightness and acoustic insulation of the system are insured by polyamide thermal break chambers, foamed insulating inserts and EPDM gaskets.



Classic window



Classic door





Window system

Advantages :

- Excellent thermal insulation properties.
- Possibility to produce windows of non-rectangular shape.
- Reliable and efficient sealing system.
- High level of reliability and durability.
- Production of window blocks of increased strength.
- Integration of windows into mullion-transom facades.



Classic window

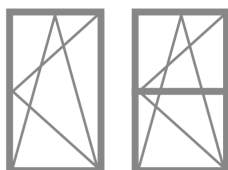


Integrated into curtain wall

Window opening types



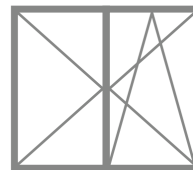
Fixed light



Single sash window



Single window with sash



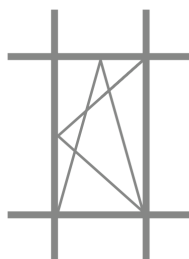
Double sash window



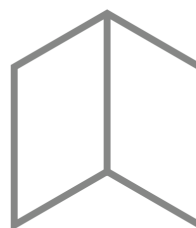
Combined window



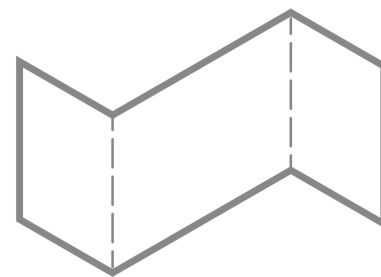
Window wall



Integrate window



Standart corner



Glass-to-glass corner



Door system

Advantages :

- High thermal insulation capacity.
- The low height of the threshold ensures that the opening is airtight, which contributes to a barrier-free environment.
- Two sealing circuits are available.
- Multi-point locks are available.
- Polyamide thermal breaks prevent problems such as jamming, corner opening, blowing and frost penetration.



Classic threshold

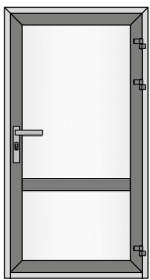


Automatic threshold

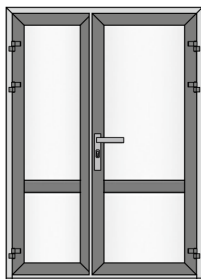


Terrace door

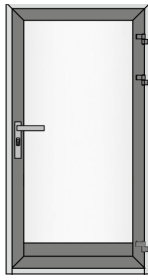
Door types with outward and inward opening



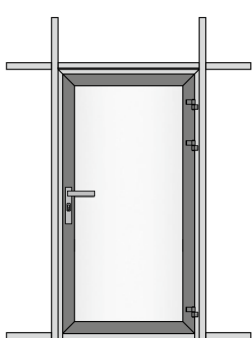
Door with a transom



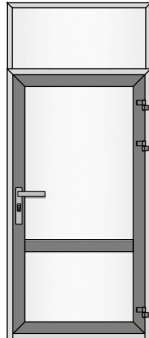
Double-leaf doors



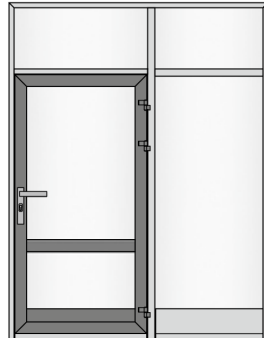
Door with bottom basement



Integrated door



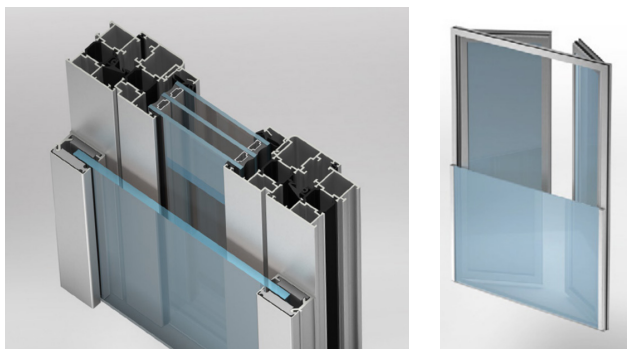
Door with fixed light



Integrated door



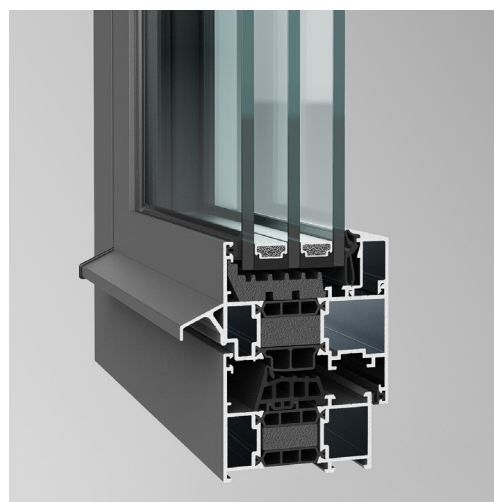
ALT W62W French window



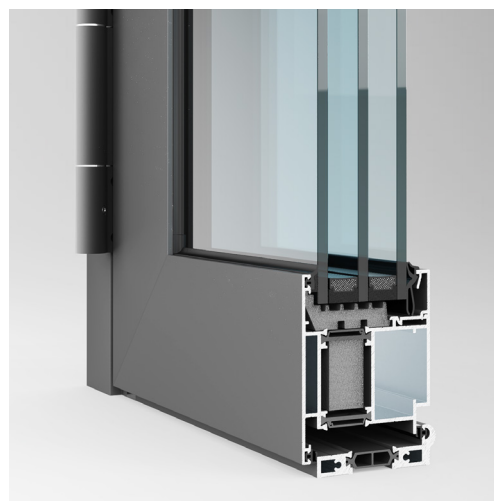
PGA W72

Higher performing insulated window and door system

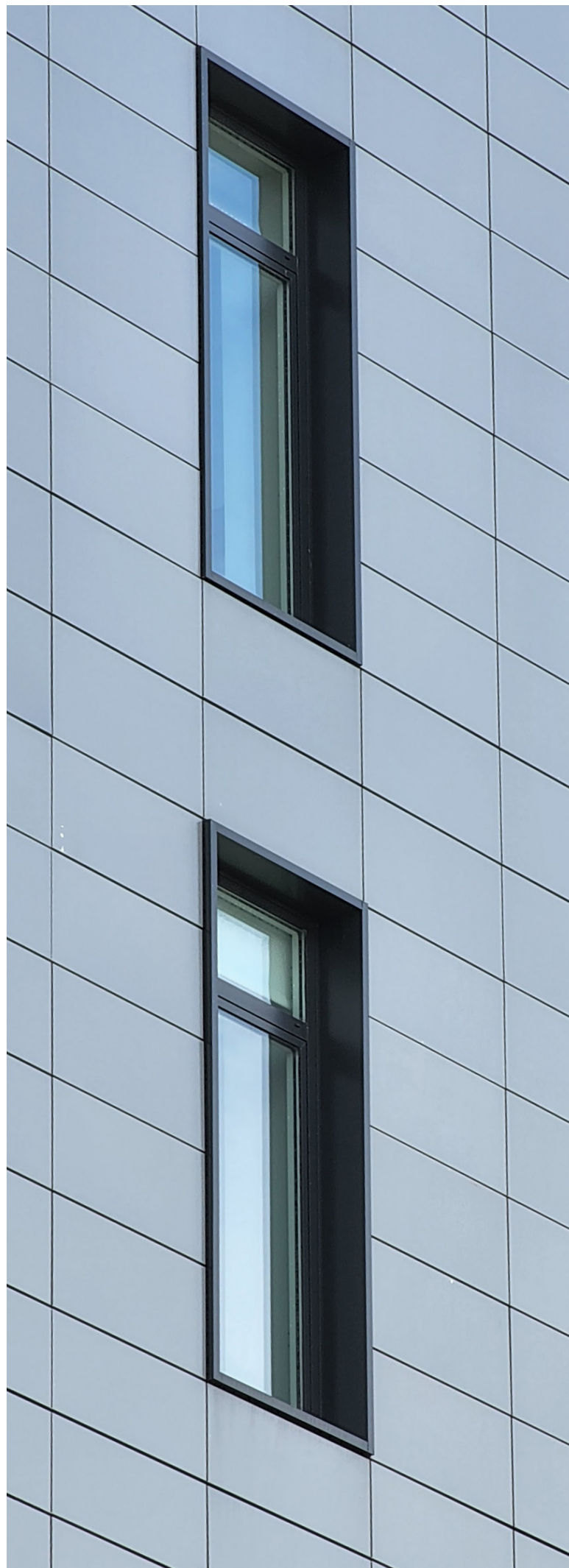
PGA W72 system is used to manufacture window, door and more complex units for modern energy efficient buildings. New technologies and materials, modern design methods allow to create products that meet the highest thermal and acoustic requirements.



Classic window



Classic door





Window system

Advantages :

- Systems offer higher thermal and acoustical properties.
- Many options available for final product customization.
- Can accommodate thicker infill.
- Can be integrated with other facade systems.



Classic window

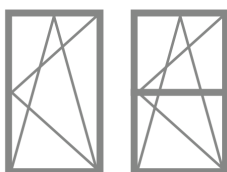


Integrated into curtain wall

Window opening types



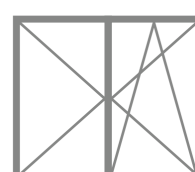
Fixed light



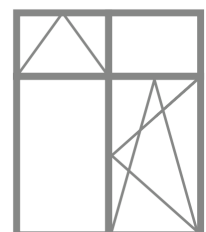
Single sash window



Single window with sash



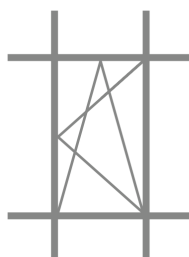
Double sash window



Combined window



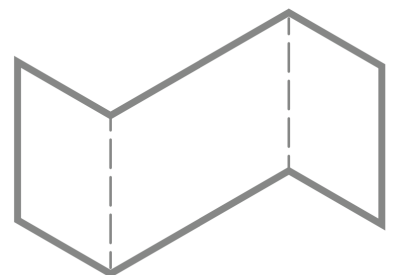
Window wall



Integrate window



Standart corner



Glass-to-glass corner



Door system

Advantages :

- Doors are available in in-swing configuration.
- Can be single or double.
- Can be used for terraces in residential units as well as commercial storefront entry applications.
- Wide variety of available hardware options.



Door with classic threshold

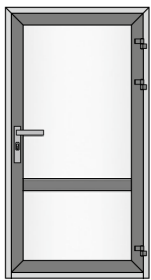


Door with automatic threshold

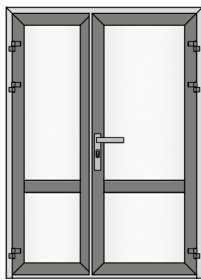


Terrace door

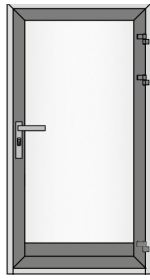
Door types with outward and inward opening



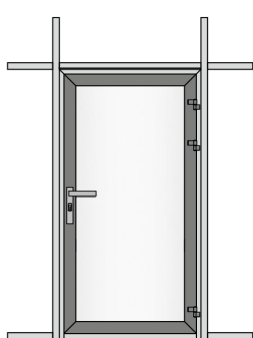
Door with a transom



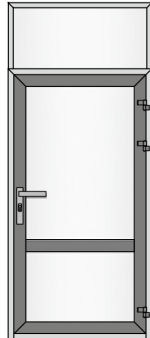
Double-leaf doors



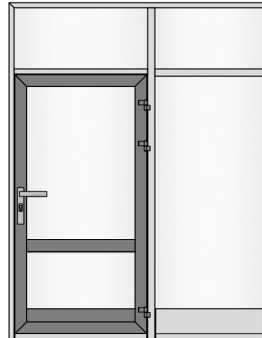
Door with bottom basement



Integrated door

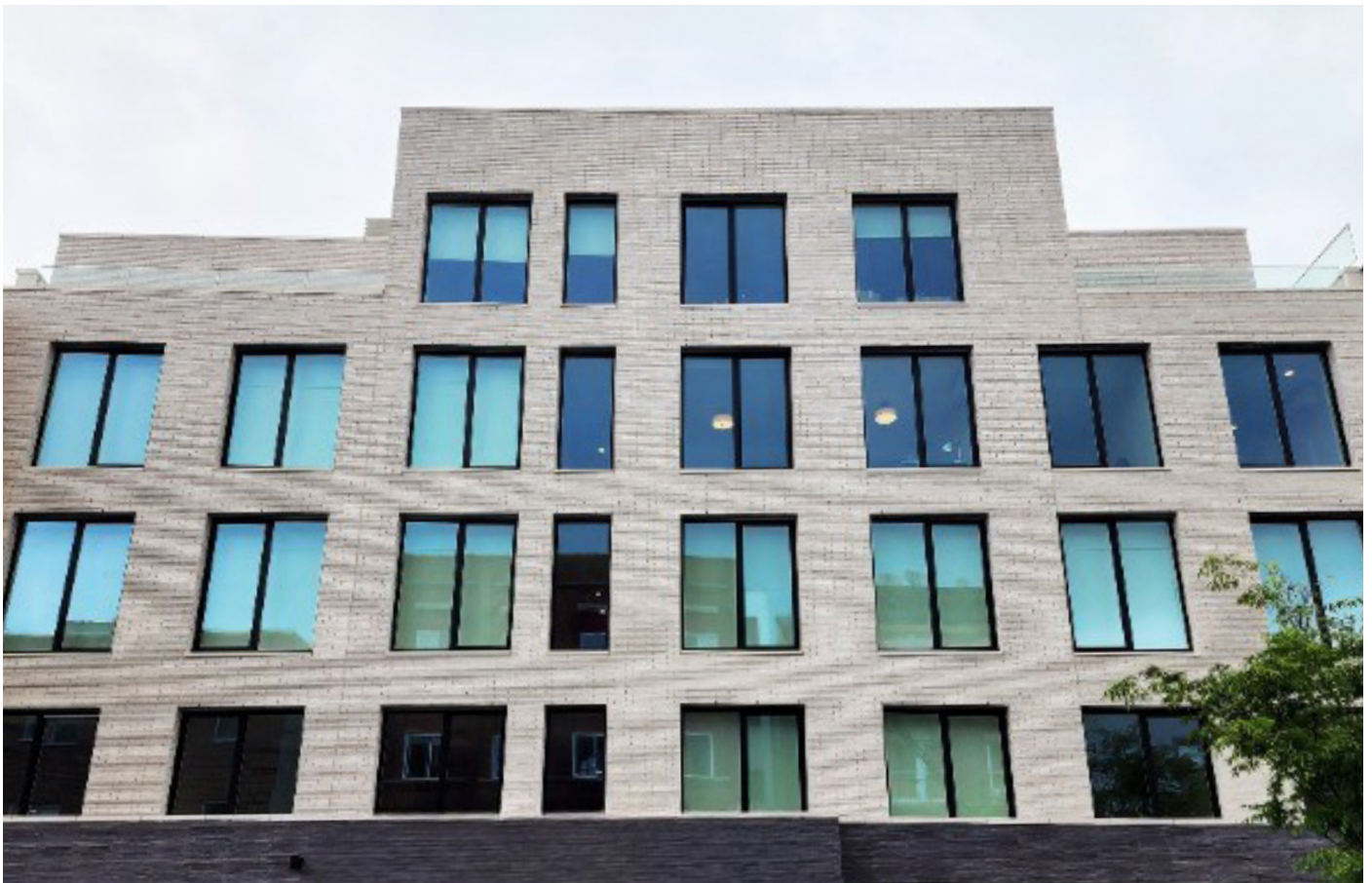


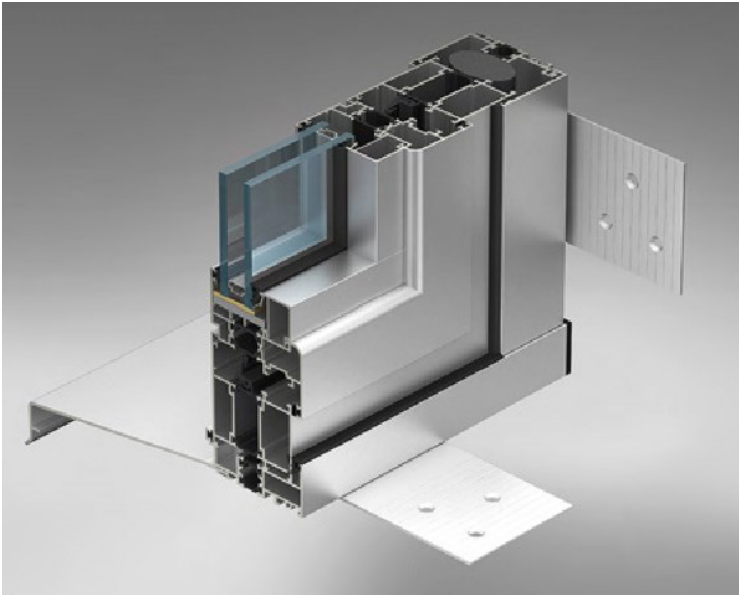
Door with fixed light



Integrated door





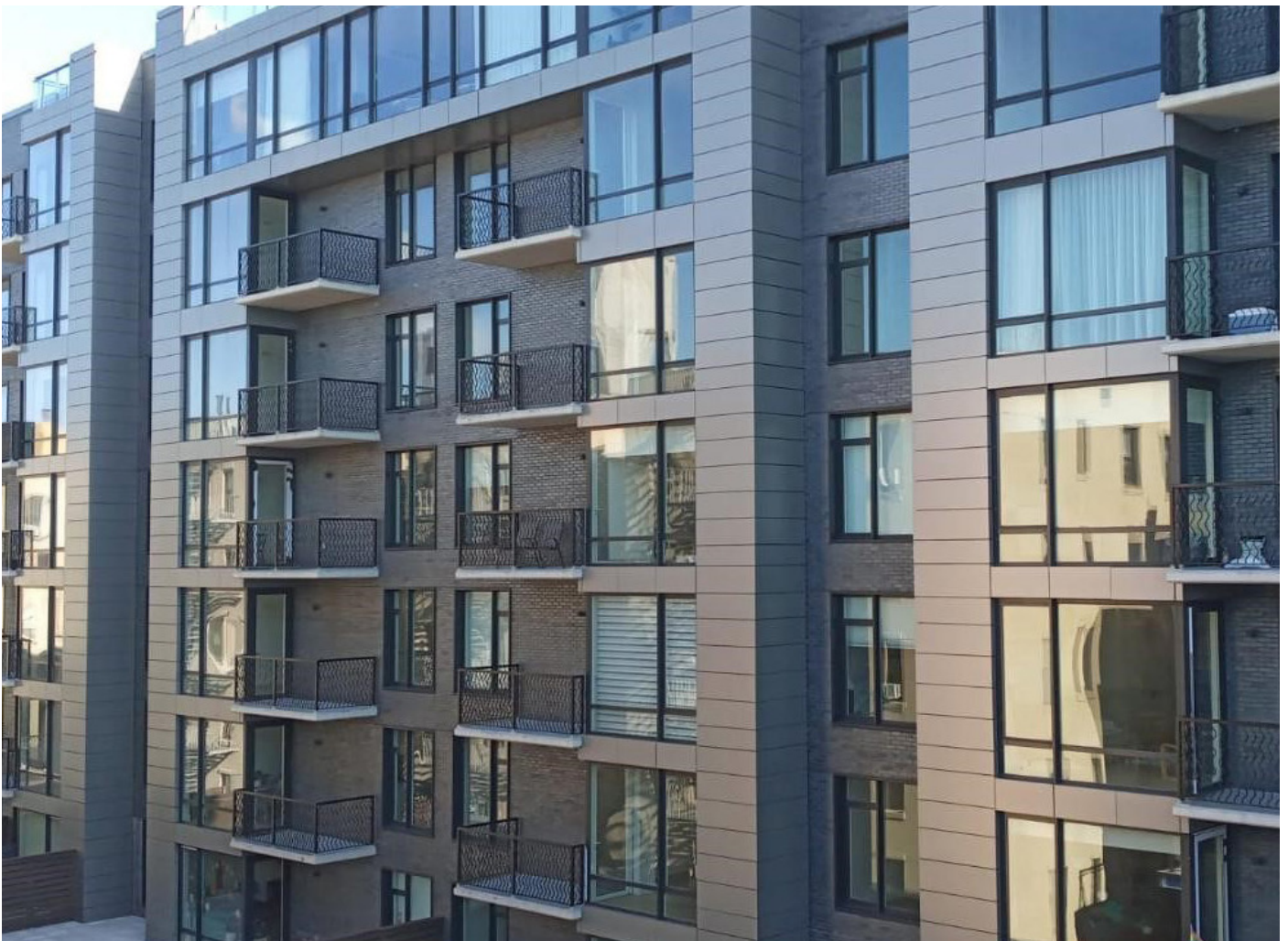


W62 and W72 Receptor system

Receptor System allows for installation of windows at later time without holding back the finishing of exterior facades. Receptor can be installed first and allow for other work to continue with the windows and doors being installed at a later time.

Advantages :

- Fast and simple fabrication and installation.
- Additional layer of waterproofing.
- Secure window and door installation.
- Comes in the same color as the final product.
- Removes dependency of exterior finishes on window installation.

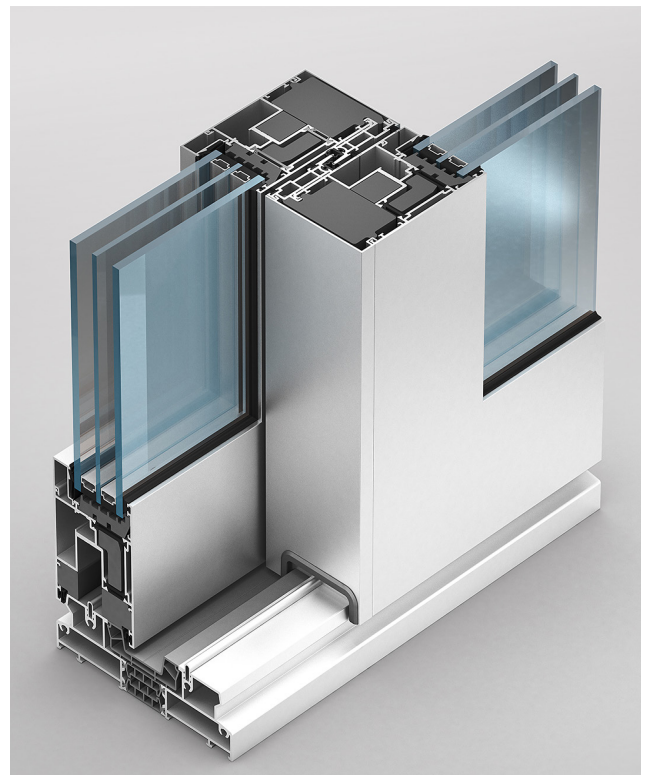




PGA SL160

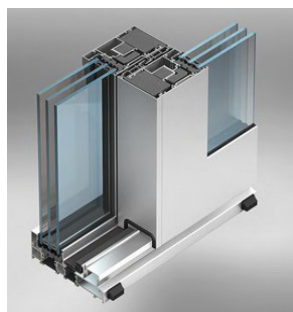
Higher insulated lift and slide door system

The lift-slide system is a modern option for glazing large openings. A sliding door frees up a large opening without taking up unnecessary space, unlike a swing door. Such a system allows you to get maximum light, visually expand the space, unite interior rooms between themselves or make a stylish exit to the terrace.

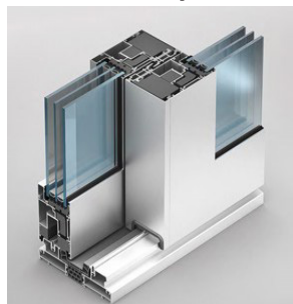


Highly insulated lift and slide door system

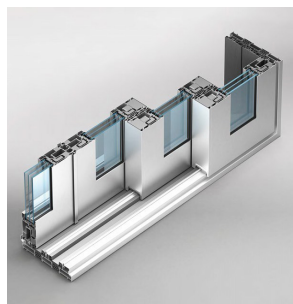
Advantages :



One-track systems



Two-track systems

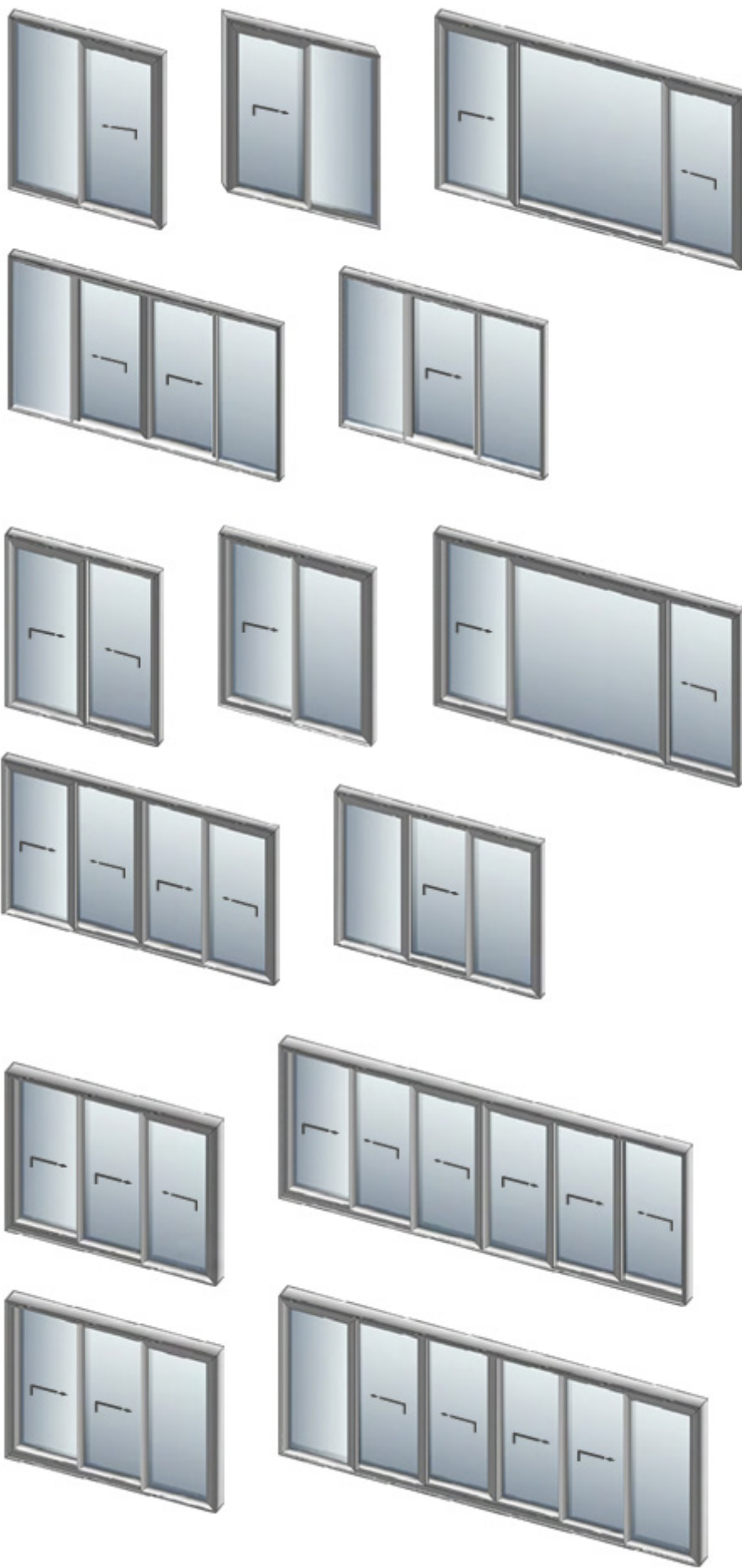


Three-track systems

- High thermal insulation properties.
- Use of polyamide thermal breaks Anti-bimetallic eliminates the possibility of jamming, opening corners, blowing and frost penetration.
- Full compatibility with PGA W62 and PGA W 72 window and door systems.
- Modern design and comfortable functionality.
- More natural light and creating extra space in the room.



Opening options :





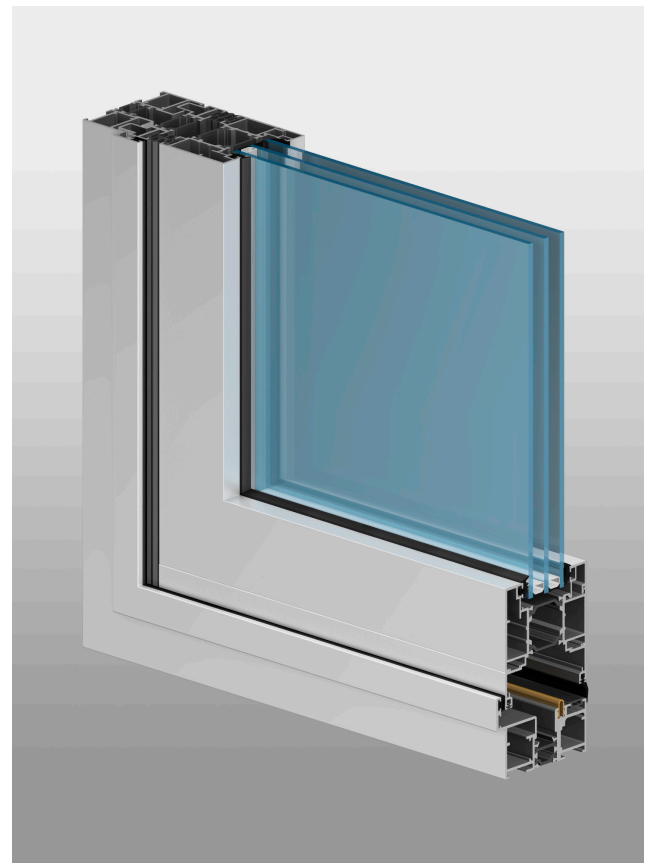


PGA

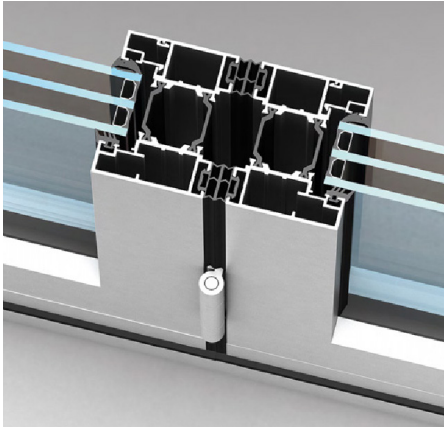
BF73

Bi-folding door system

The system of bi-folding panoramic door is a modern solution for residential and commercial buildings. With opening both outward and inward, depending on the needs and includes a choice of 'fully weathered' or 'low level' sills complete with integrated locking solutions.



Folding door



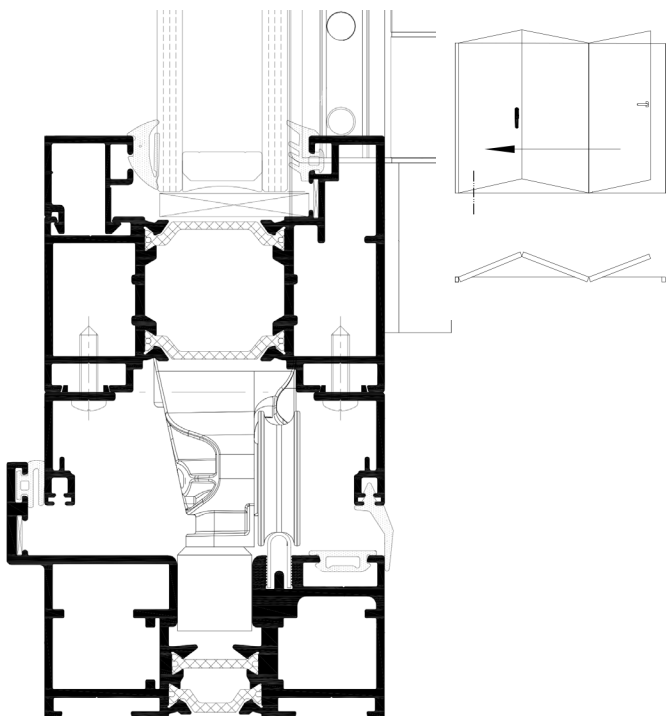
Advantages :

- Control of the "bottom" handles, which provide a secure hold and do not interfere with the folding of the door.
- High sealing performance through the use of multi-locking elements, concealed the hidden support rollers and hinges.
- Available sill options from raised to flush.

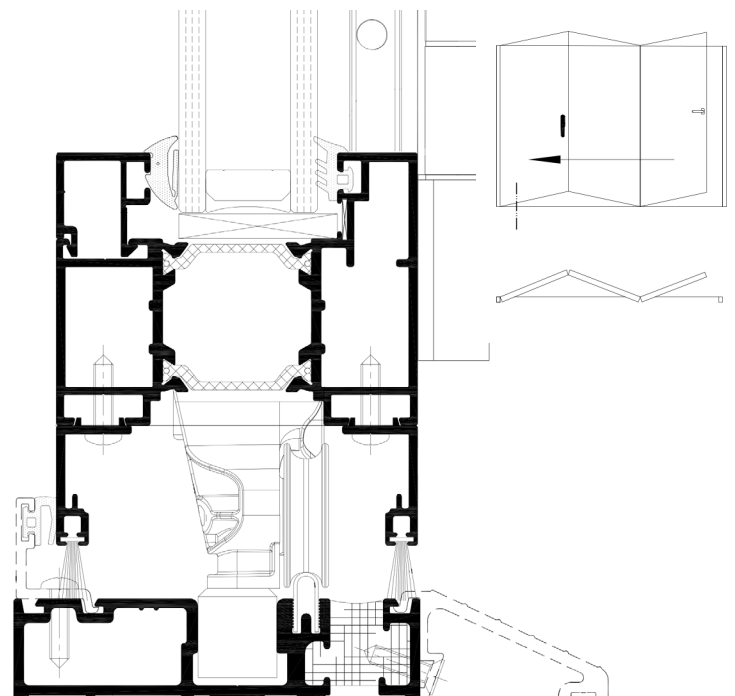


Threshold options :

Standard Sill Showing Roller



Low Threshold Showing Roller







PGA 110

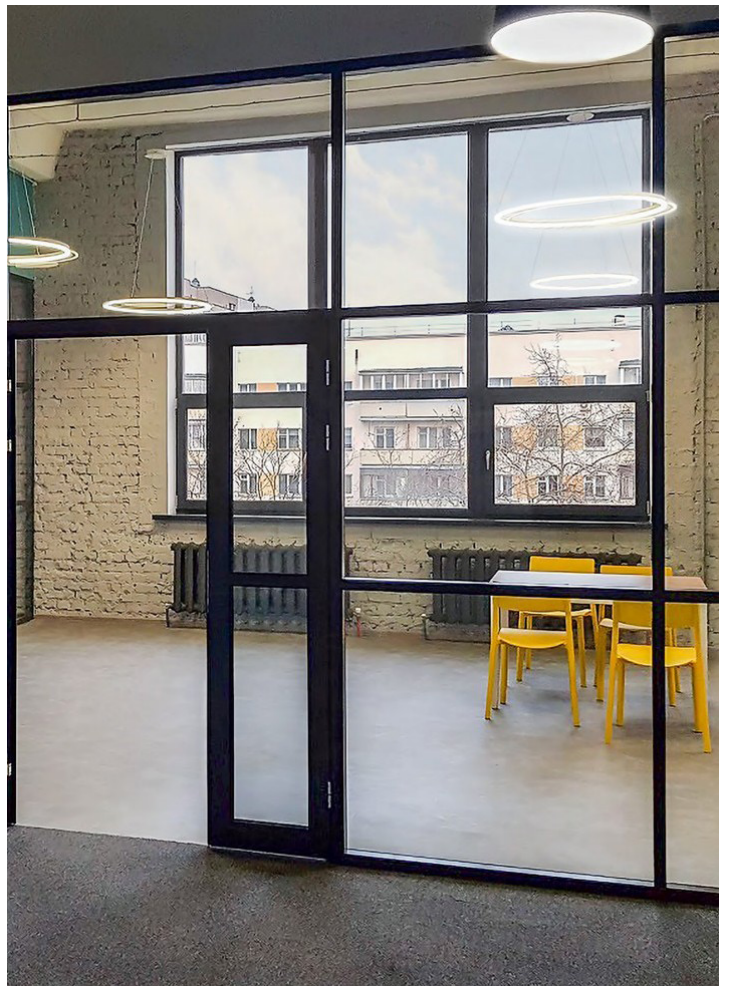
Office partition system

Using the PGA 110 office partition system, it is possible to design elegant interiors that provide a comfortable working environment. The system offers a wide range of possibilities thanks to different design elements, textures and colors. It allows the combination of glass and fixed sections, the use of tinted, frosted and decorative glass as well as different types of blinds.

Advantages :

- Possibility of separate laying of power, telephone and computer networks.
- Convenient attachment of mullions to the ceiling and floor by means of embedded parts.
- Angles of partitions in the range from 90 to 270 degrees.
- Installation of doors with single and double glazing in one universal frame profile.
- Using curtain wall plugs to complete the appearance of the partition system.
- Acoustic insulation up to 40 dB.



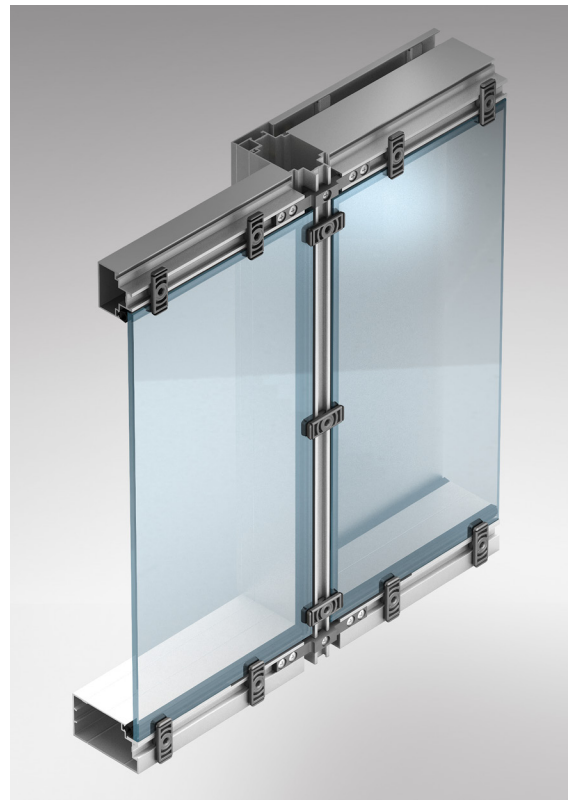




PGA 111

Interior partition system

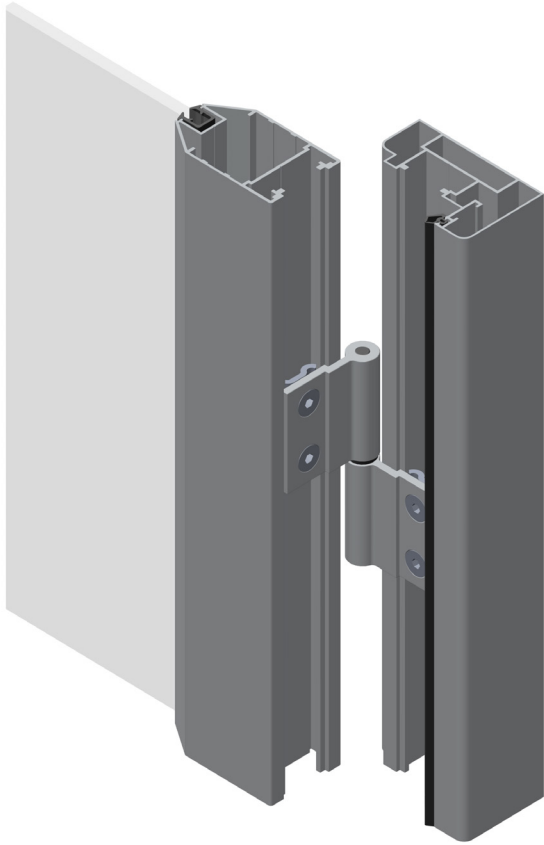
The PGA111 interior partition system is intended to organize workspace within shopping malls, exhibition centers, and office buildings, providing extensive possibilities for interior design in spaces of diverse functions.



Advantages :

- Easy and safe operation of the top-hung door thanks to the absence of a threshold.
- Possibility to manufacture doors with increased wear resistance due to reinforced profile.
- High acoustic performance of door thanks to double felt seal contour.
- Convenient roller adjustment with fully assembled door frame.
- Single and double leaf doors with single and double glazing can be installed.
- Mullions can be fixed to the floor and the ceiling by means of fixing elements.

Wide range of standard corners (90-270 degrees).





PGA 115

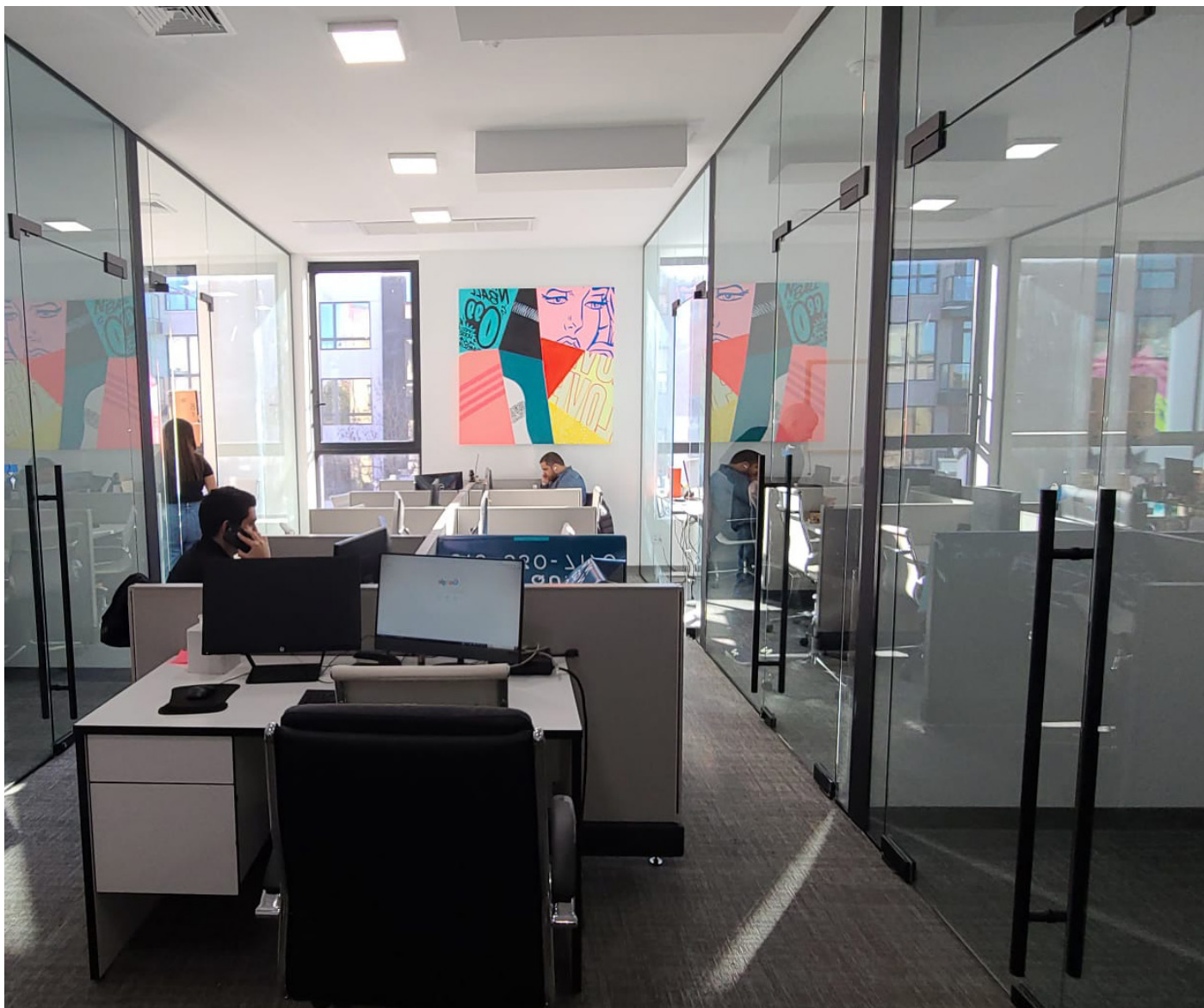
All-glass partition system

The PGA115 is ideal for space planning in shopping centers or offices. It includes clamping profiles and tempered glass elements that can be easily attached to the ceiling and floor. Using PGA115 partitions, you can create a unified look of the workspace, optimize the use of natural light and make the room more spacious.

Advantages :

- Inserts and clips are pressed against the glass over the entire surface of the paronite layer, providing a load capacity of the insert-clip set of 40 kg
- The free movement of the insert in the guide rail groove allows the glass to be clamped in position.
- End caps and inserts ensure the integrity of the glass over its entire lifetime.

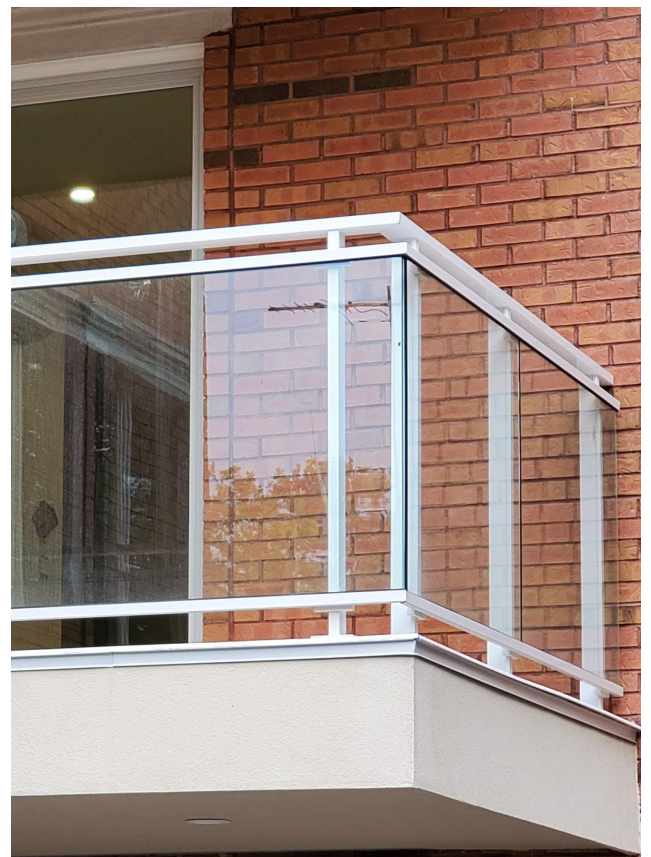




PGA RAILING SYSTEMS

Elxis
Synthesis
Julietta

Railing systems made of aluminum and glass - a modern solution for internal and external fences. They can be used as railings for stairwells, balconies, floor windows and terraces. Glass railings will add lightness and light to your project, due to the wide variety of elements, you can achieve any desired aesthetic result.



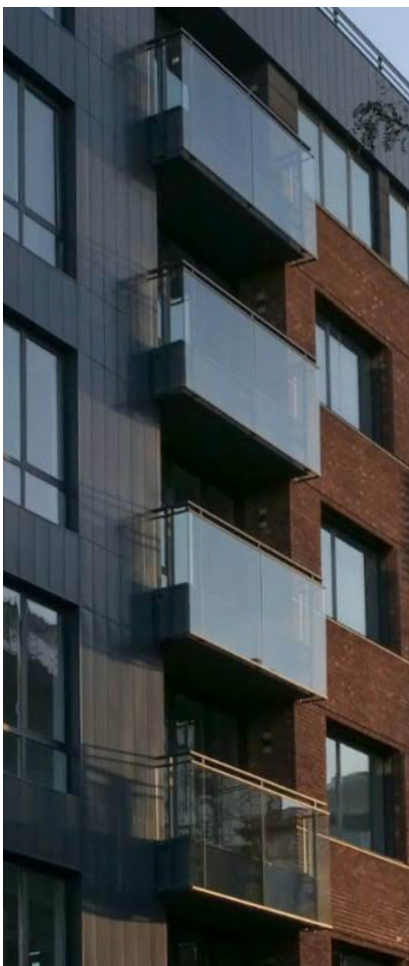
Elxis

This is a modern design that prioritizes simple and minimal design lines, making it perfect for spaces with a minimalist aesthetic.



Advantages :

- High level of durability for large window openings.
- Maximum width between columns 1300 mm.
- Handrail options in different shapes.
- Many available colors and finishes.
- Use of glass in the lower part.
- No visible screws.



Numerous personalized options offer complete satisfaction down to the last detail.





Synthesis

A modern, minimalist style that will accentuate the elegance of your project.



Advantages :

- Systems allow almost complete prefabrication off-site.
- Speed and ease of construction and placement.
- Construction of independent modules.
- Maximum width between columns $51\frac{3}{16}$ inch.
- Wide range of profile combinations.
- Rectangular and oval profile.







Julietta

Julietta, a system solution for “no balcony” projects, is a stylish and safe solution, for floor-to-ceiling windows. Juliet balconies are popular for both residential and commercial properties, as they provide a touch of style and elegance to a building’s exterior, while also allowing to enjoy fresh air and natural light.

Julietta provides a wide range of distinctive alternative designs for infill units, which allows you to comply with the necessary exterior of the building and emphasize its individuality.

Advantages :

- Safety barrier.
- Quick and easy installation.
- Mounted on the facade or directly on the window frame, suitable for aluminum frames.
- The possibility of using a variety of fillers, both glass and decorative elements.
- Optionally installed with an upper handrail.





PGA

VR26

Ventilation louver system

These frames are constructed using vertical and horizontal profiles that overlap at the joints. The louvers have a curved shape which promotes efficient ventilation and shields against moisture. Moreover, these louvers safeguard against direct sunlight.

In addition to providing natural ventilation, ventilation louvers can also help to improve energy efficiency in buildings. By allowing fresh air to enter, they can reduce the need for air conditioning and help to lower energy costs.

Overall, ventilation louvers are a simple and effective way to provide natural ventilation and improve the comfort and energy efficiency of buildings.



Ventilation louver



Ventilation louver
in frame





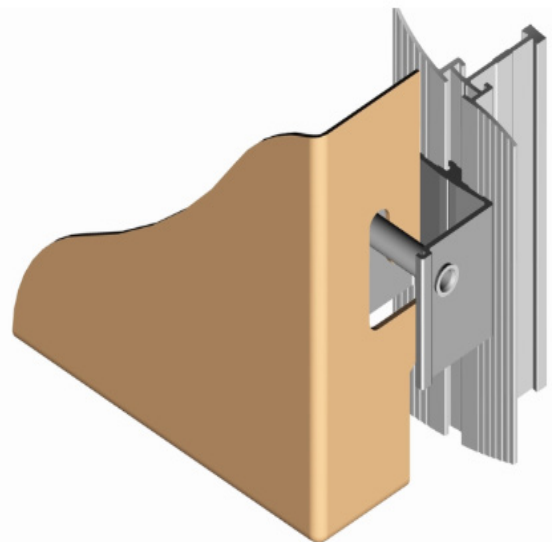
Advantages :

- Technological effectiveness of product assembly. 4 screws are sufficient to assemble the finished system.
- Simple mounting and dismantling. System can be used as infill unit in frame and curtain wall systems.
- Cost-efficiency. No additional maintenance required.
- Stylish and aesthetic design



PGA ALUMINUM COMPOSITE PANELS

Aluminum Composite Panels (ACP) are flat panels made of two thin aluminum sheets bonded to a non-aluminum core of fire-resistant material. ACP are used for exterior and interior cladding, signage, insulation and other construction and architectural applications. The main advantage of ACPs is their light weight and durability. They are also easy to install and maintain and come in a variety of colors and finishes, making them a popular choice for modern buildings. In addition, ACPs have good fire-resistant properties.



Advantages :

- Available in many colors and finishes.
- Non-combustible assembly.
- Great for rain-screen facade systems.
- Excellent durability and maintenance-free.
- Many available customization options.







PGA

SF450

Commercial storefronts

Commercial storefronts made of aluminum offer several advantages over other materials, such as wood or steel. Aluminum storefronts are lightweight, durable, and resistant to corrosion, making them ideal for use in commercial buildings.

Aluminum storefronts are also very customizable. They can be painted in a variety of colors to match the branding and style of the business, and they can be fabricated in various sizes and shapes to fit any storefront design. Additionally, aluminum storefronts can be fitted with various types of glass, including insulated, laminated, or tinted glass, to improve energy efficiency and enhance security.

Advantages :

- Typical storefront systems used widely in the US market
- Easy to install and service.
- Can accommodate $\frac{1}{4}$ or 1 inch glass infill.
- Can be painted to match any desired color and finish.
- Many hardware options are available.
- Can be used with different access control systems.







FINISHES

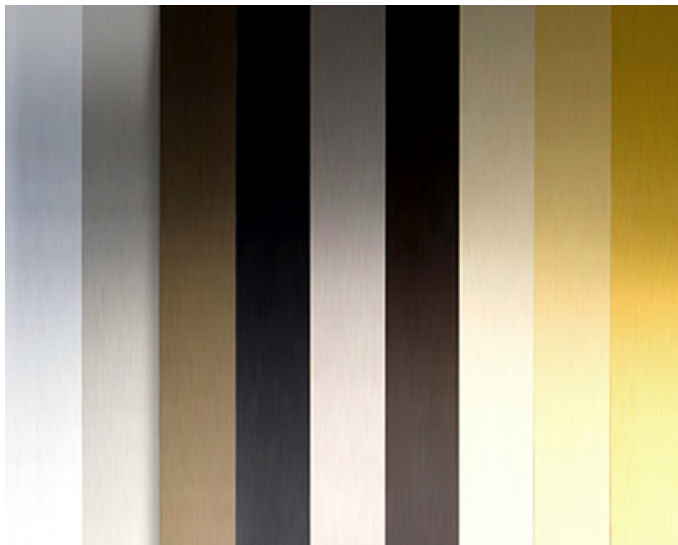
COLORS & FINISHES

Product can be ordered in many different colors and finishes, all RAL colors, specialty colors, textures finishes, different gloss finishes, and others. We can also provide a 2 color combination as well as anodized and wood look finishes.



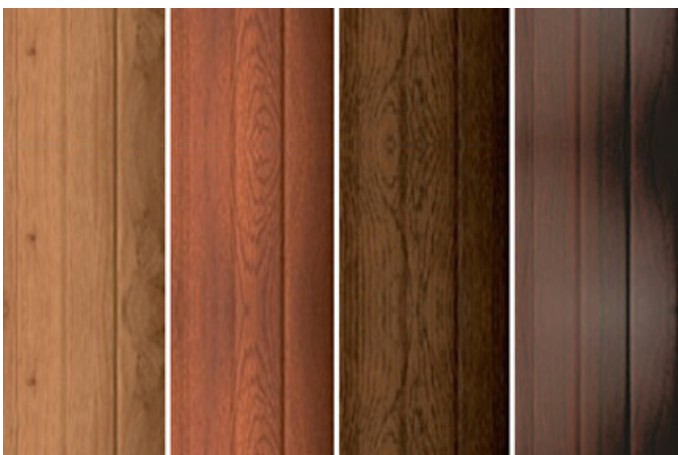
RAL Colors

Powder coatings is a cost-effective, durable and aesthetically pleasing finishing option. The powder is dry sprayed on the metal and then baked at a high temperature oven to coat the aluminum. The powder coating on our extrusions come from the leading international manufacturers like Pulver, AkzoNobel, IGP and others. Variety of surface types : glossy, matte, textured.



Anodized Finishes

Anodizing is another option of providing a finish on an aluminum product. Unlike powder coating, anodizing happens with the help of electricity that runs through the aluminum bar and the chemicals in the anodizing tub. The aluminum extrusion is submerged into the anodizing tub and the finish coating is actually a result of electricity and acid that gets "etched" into the surface of the aluminum.

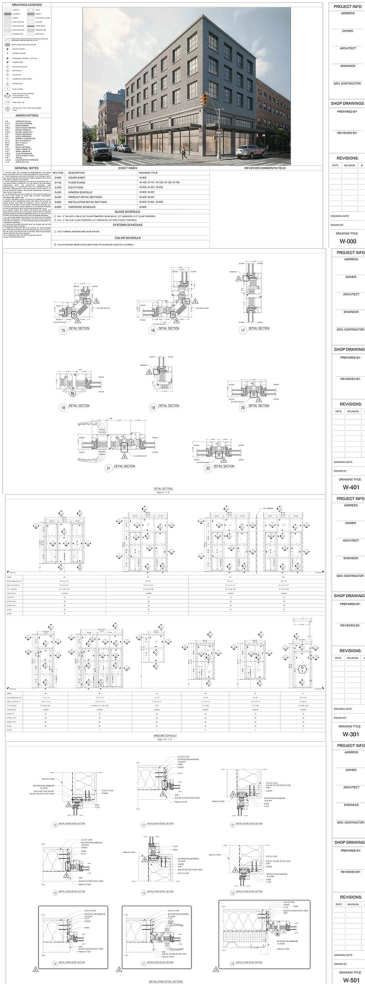


Wood Finishes

Another option for finishing mill aluminum is to give it the appearance of a finished wood product. That can be achieved with either powder coating or a vinyl film application. Extruders have different methods of making this finish and the final product has different features and character.



SERVICES



Drafting & shop drawings

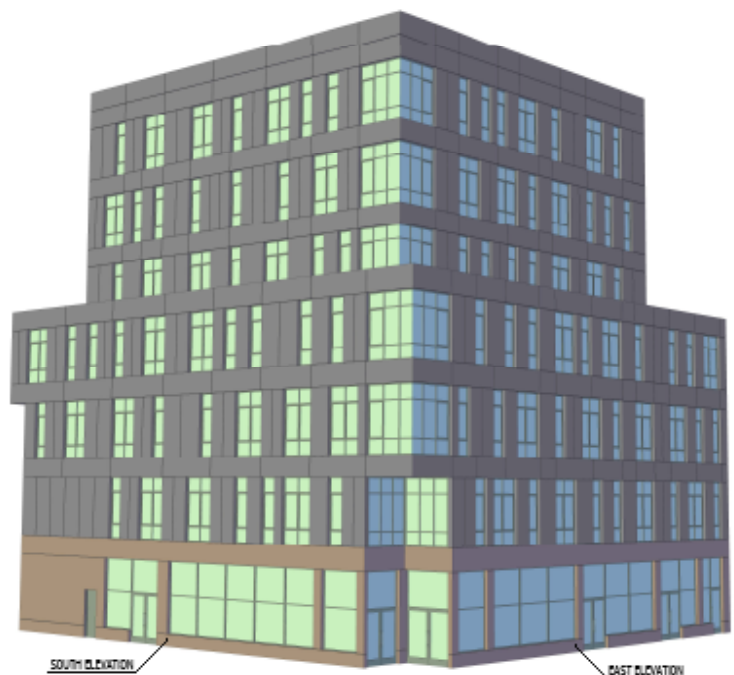
We provide drafting and shop drawing services for our products, ensuring a smooth installation process. Our drawings include all necessary information and a materials list. We also offer engineering services through licensed firms.

Design & development

We offer design services and customized solutions for unique project requirements. Check out our products and talk to our technical team for the best solution. We can create a unique product if needed.

Renderings & digital visualization

Renderings are a valuable tool for visualizing a project and ensuring everyone involved is aligned with the creator's vision. They help architects, subcontractors, and developers communicate their ideas and close deals. We can provide renderings, from simple to detailed, to help bring your project to life.



Facade review & consultation

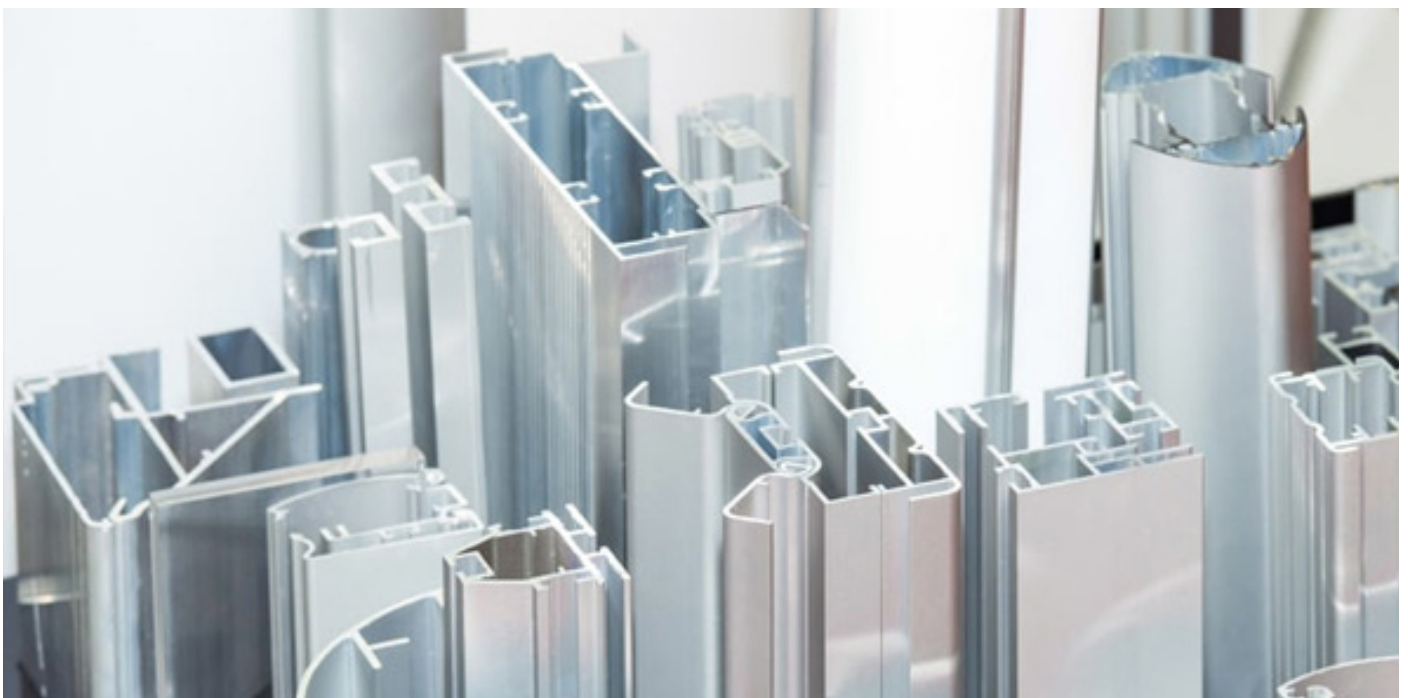
We want to make sure that our product integrates correctly and therefore offer review and consultation on the proper implementation of our systems into the project/ We will provide all necessary section details and information on how the product should be installed and incorporated into the design to make sure that it looks great and performs flawlessly.

Product Implementation

Contact our technical reps to learn how to implement our products in your project. We provide essential information, including section details and digital models, to ensure proper installation and optimal performance. We review your details and recommend improvements to avoid potential issues related to structural stability, weather and waterproofing, and thermal and acoustical performance.

Parts & Components

We stock most of the standard items and are always ready to provide you with a replacement part. All hardware is very easy to replace and adjust, but should you need help, we have technicians available to assist you with remote audio/video connection or with a scheduled service call.



Quality & warranty

PGA Standard Products Warranty

At Professional Grade Aluminum we take pride in our work and make sure that we supply you with only the best and top quality products and services. We work with proven and trusted vendors who provide us with top notch components that are used to assemble our products. We are proud to offer our 5 year limited warranty so that you can feel confident that you are getting a piece of mind with your purchase for many years to come. If you ever have any questions or require service, please feel free to reach out to our technical department and we will do our best to have the issue resolved right away.

PGA Project Specific Warranty Certificate

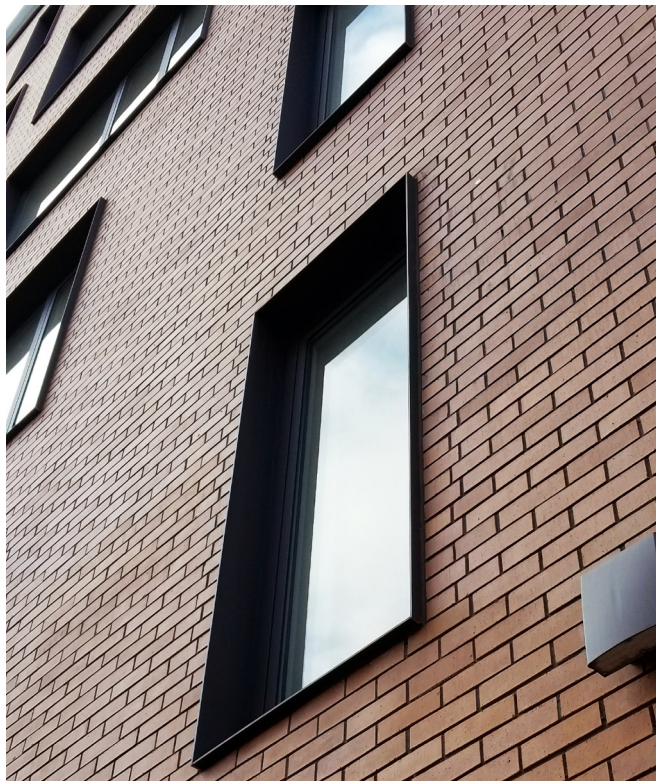
While all our products are covered by our standard products warranty, sometimes a project specific warranty is needed. For that purpose we have designed a Project Specific Warranty Certificate that gets filled out and distributed to a specific project and specifies exactly what is covered on a specific project and the duration of the warranty period. This needs to be done with the help of our customer service in order to make sure that the certificate is filled out correctly and is registered in our database. Lets us know if you have any questions or need help setting this up for your project.



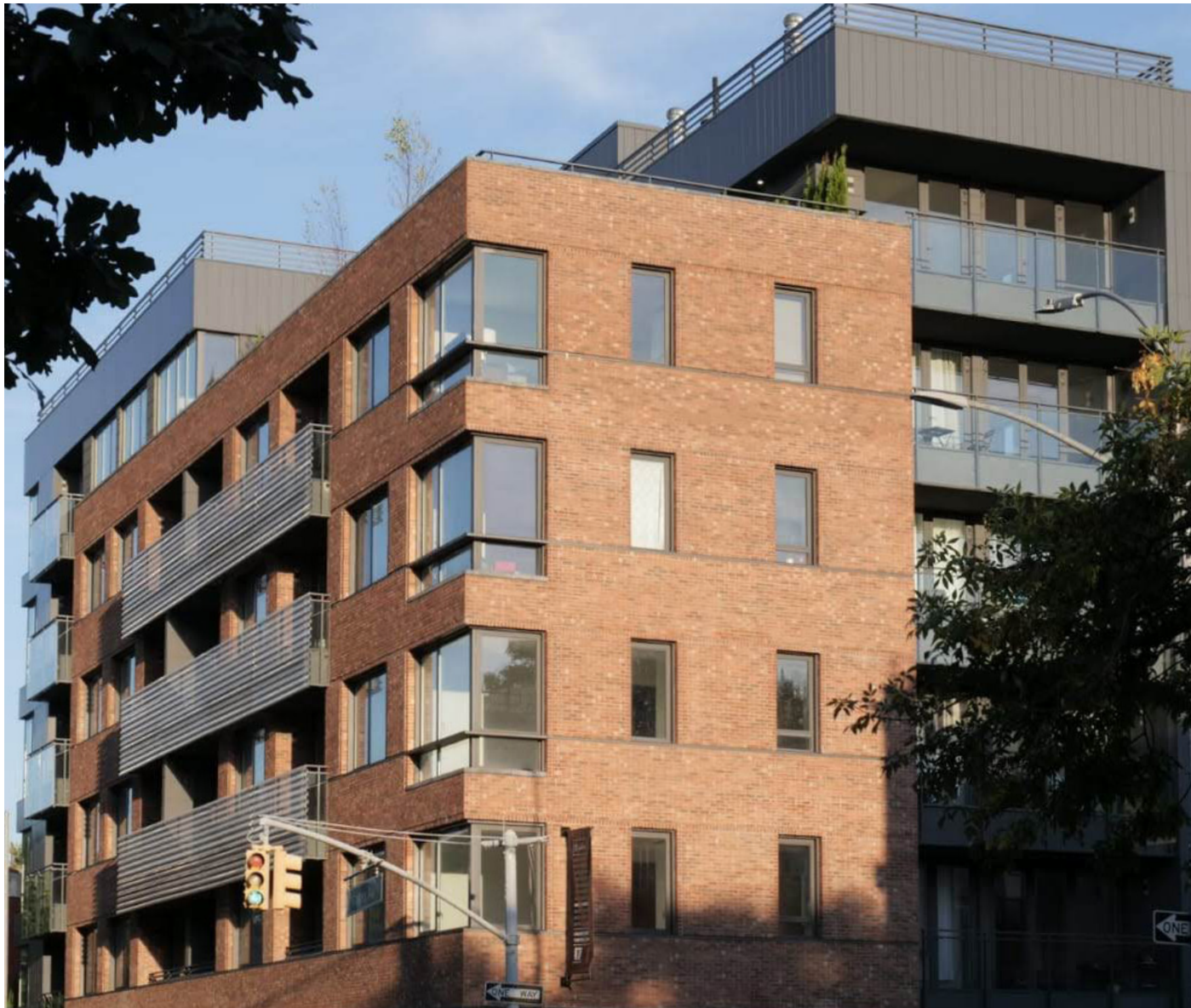
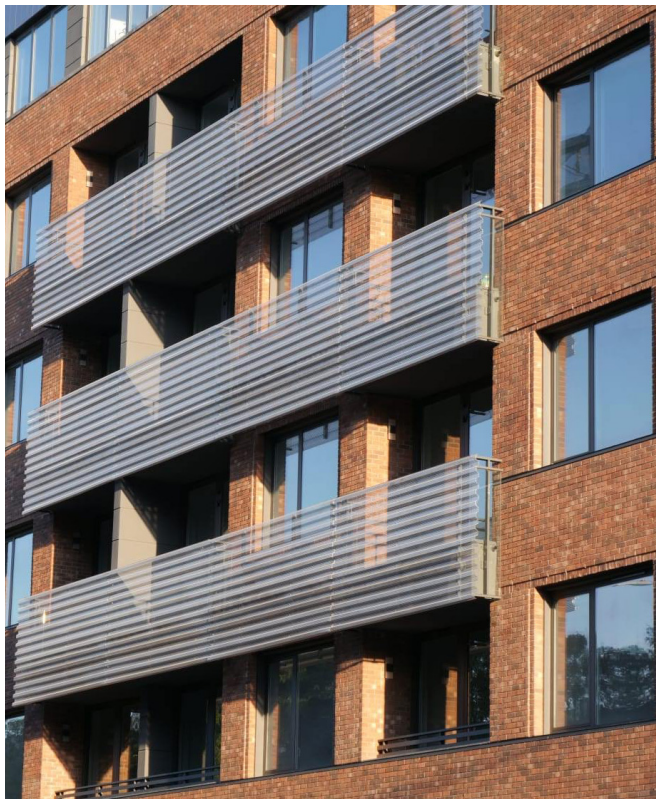


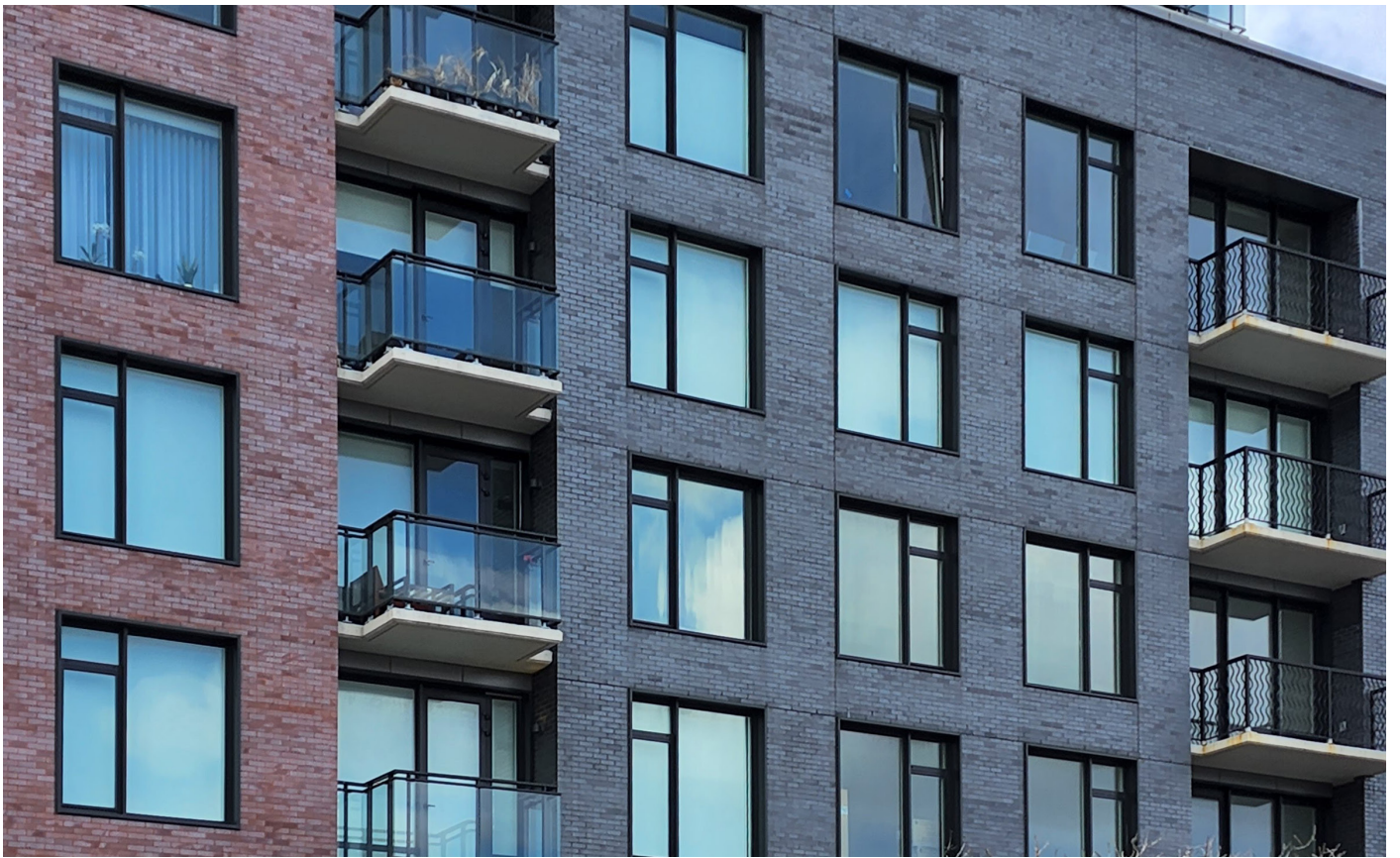
COMPLETED PROJECTS





















We are trusted

At our company, we recognize that our success is directly tied to the trust that our customers place in us. We work tirelessly to earn and maintain this trust by putting our customers at the center of everything we do.

Ultimately, our success is measured by the trust that our customers place in us. We are proud of the relationships we have built with our customers.



Feel free to contact us!

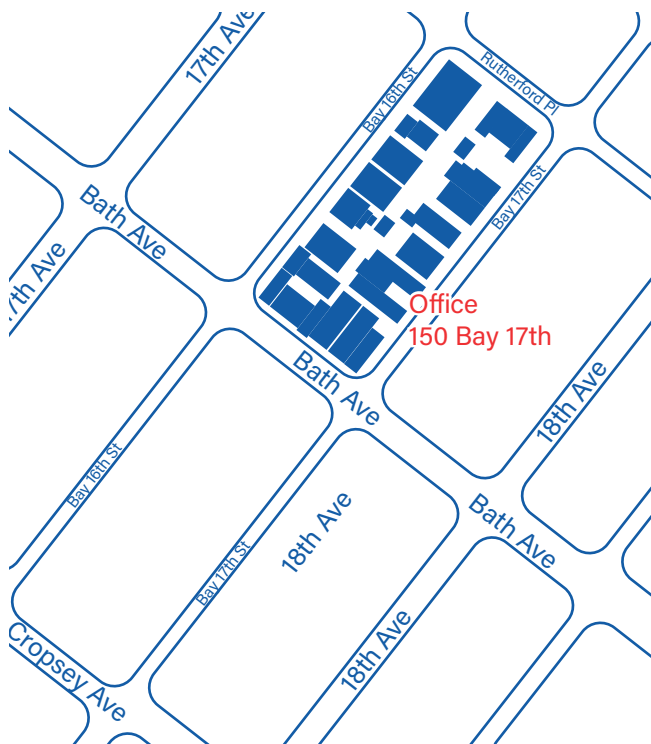
We'll be glad to provide you a free "no strings attached" estimate on your project!

Phone: 718.382.8400

Email: info@progradeonline.com

You can visit our showroom, see samples live and get advice on site.

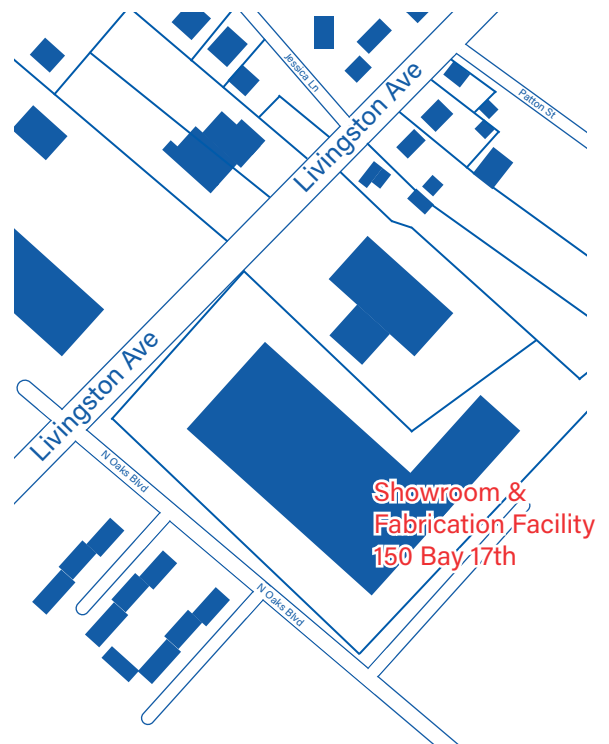
www.progradeonline.com



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150 Bay 17th St. Brooklyn, NY 11214

Mon - Fri: 8am-6pm / Sat - Sun: Closed



Showroom & Fabrication Facility

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North Brunswick NJ 08902

Mon - Sat: 8am-5pm / Sun: Closed