

PROGRADE
ALUMINUM SYSTEMS

PRODUCT CATALOG



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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 our products right here in the US and take great pride in the products and services that we provide to the building and construction community. We partner with leading European extruders to bring the latest fenestration technologies to the American market.

We supply innovative and proven aluminum façade systems including glazed curtain walls, rain screens, sun control systems, aluminum composite panels, as well as aluminum windows and doors for residential and commercial applications. Our offerings also include interior office partitions, balcony railings and outdoor aluminum systems.

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

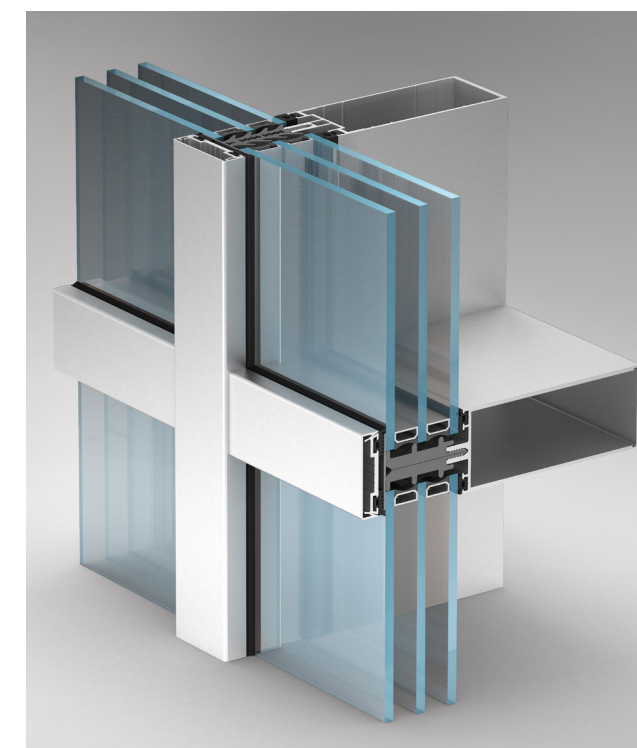


SYSTEMS

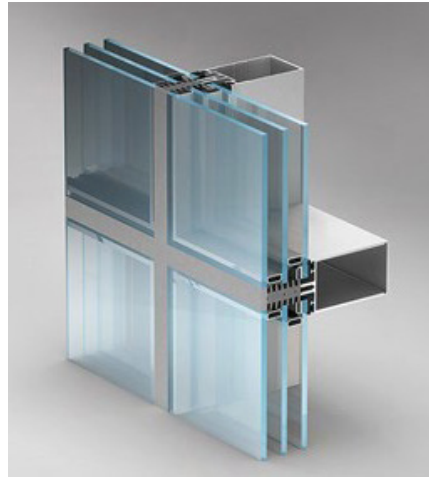
PGA F50

Curtain wall system

The PGA F50 curtain wall system is designed for projects of varying engineering complexity, including exterior curtain walls, roofs, skylights, winter gardens and other architectural solutions. It is suitable for new construction and retrofit projects. The system provides impermeability to atmospheric precipitation while allowing natural light to enter the building. PGA F50 also offers high thermal and acoustic performance that can be customized to meet project requirements.



Classic façade

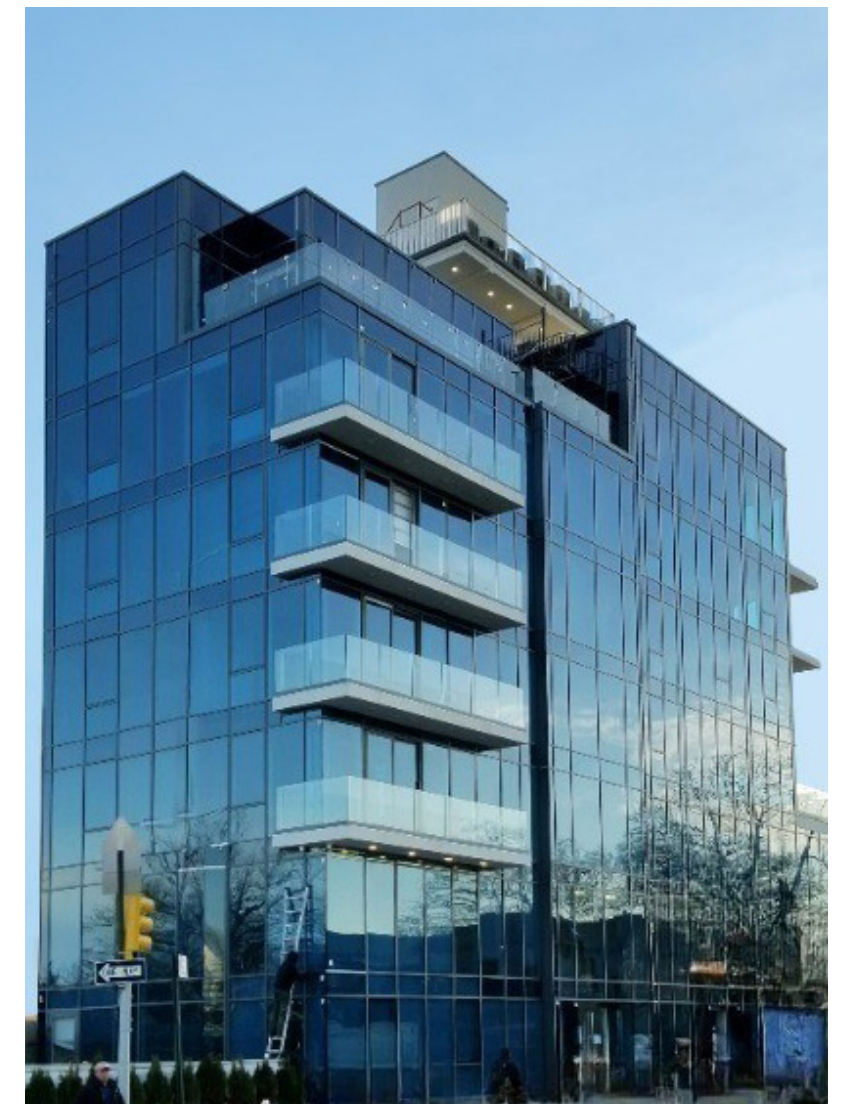
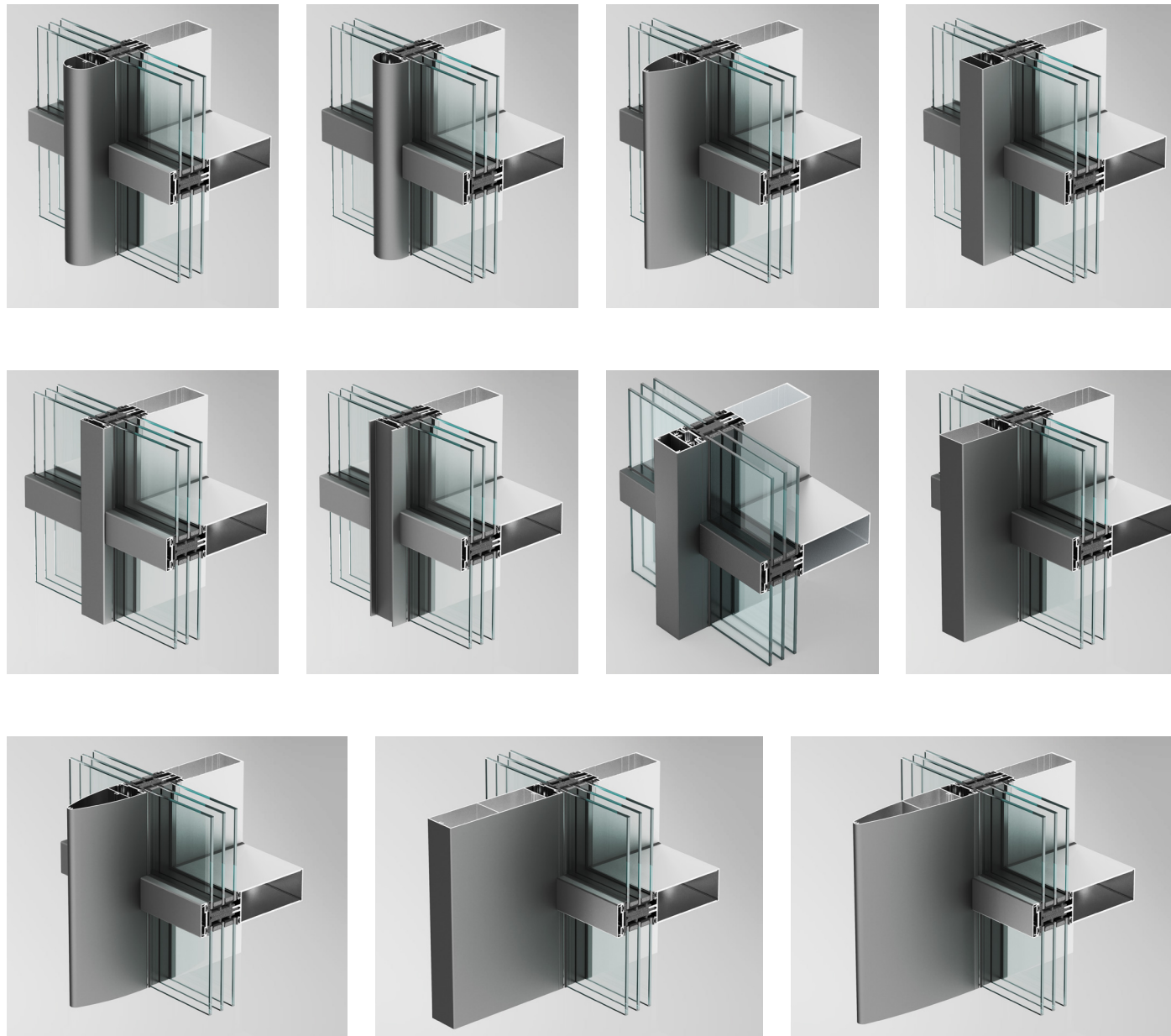


Structural façade

Advantages:

- Great thermal and acoustic performance
- Wide range of profile depths and options
- Many available options for exterior covers
- Integration with other window and door systems
- Integration with solar shades and signage
- Can accommodate different thicknesses

Decorative caps options:

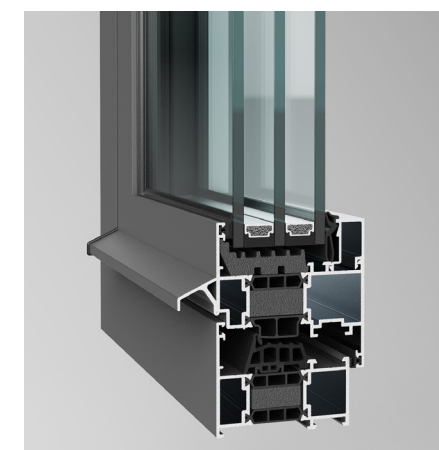




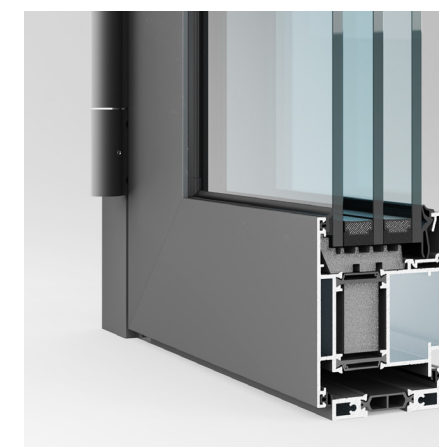
PGA W62 W72

Insulated window and door system

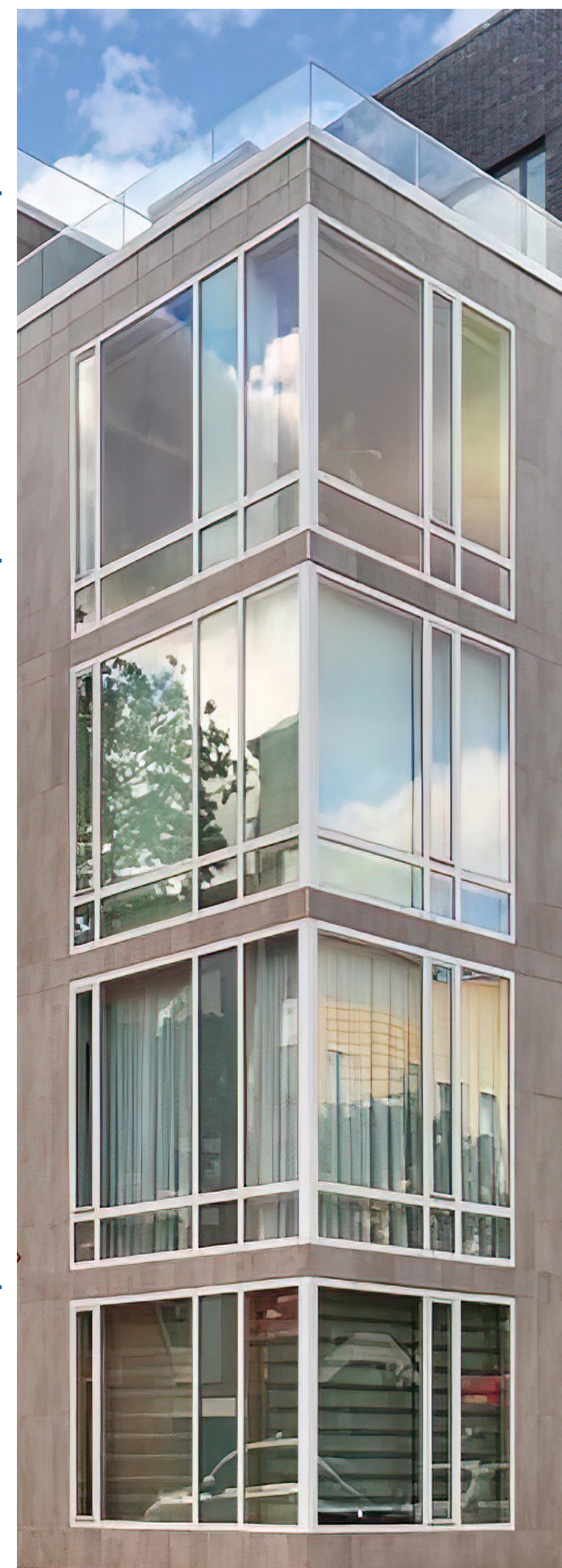
PGA W62 W72 systems is used to manufacture windows, doors, and more complex units for modern, energy-efficient buildings. New technologies and materials, along with modern design methods, allow us to create products that meet the highest thermal and acoustic requirements.



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 façades



Classic window

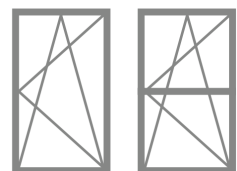


Integrated into curtain wall

Window opening types



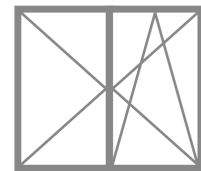
Fixed light



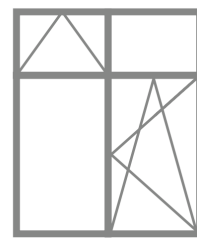
Single sash window



Single window with sash



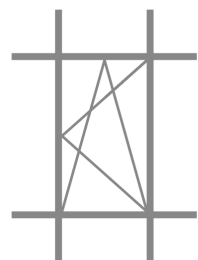
Double sash window



Combined window



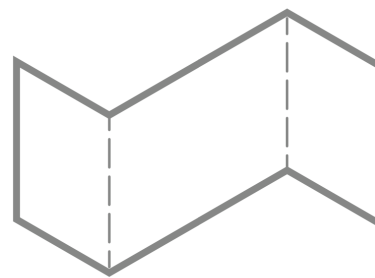
Window wall



Integrated window



Standard corner



Glass-to-glass corner



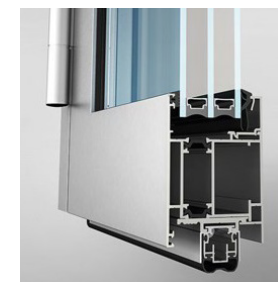
Door system

Advantages:

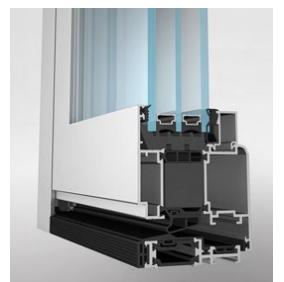
- High thermal insulation capacity
- The low threshold height ensures that the opening is airtight, contributing to a barrier-free environment
- Two sealing circuits are available
- Multi-point locks are available
- Polyamide thermal breaks prevent issues such as jamming, corner opening, air infiltration, and frost penetration



Classic threshold

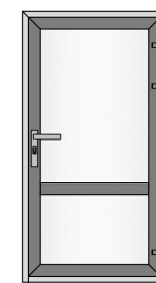


Automatic threshold

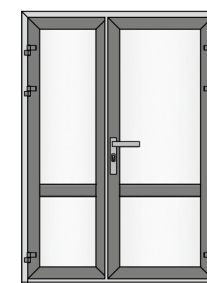


Terrace door

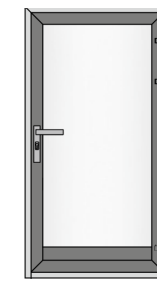
Door types with outward and inward opening



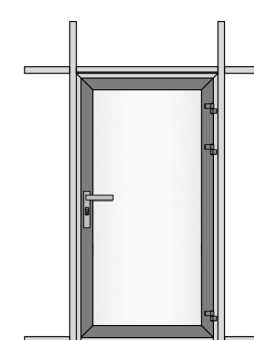
Door with a transom



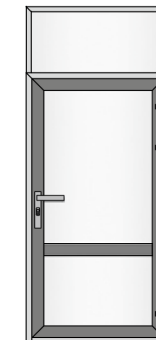
Double-leaf doors



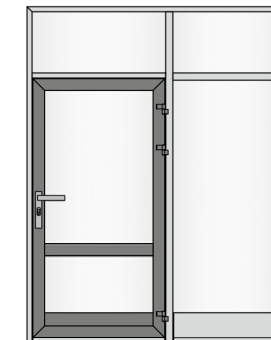
Door with bottom basement



Integrated door



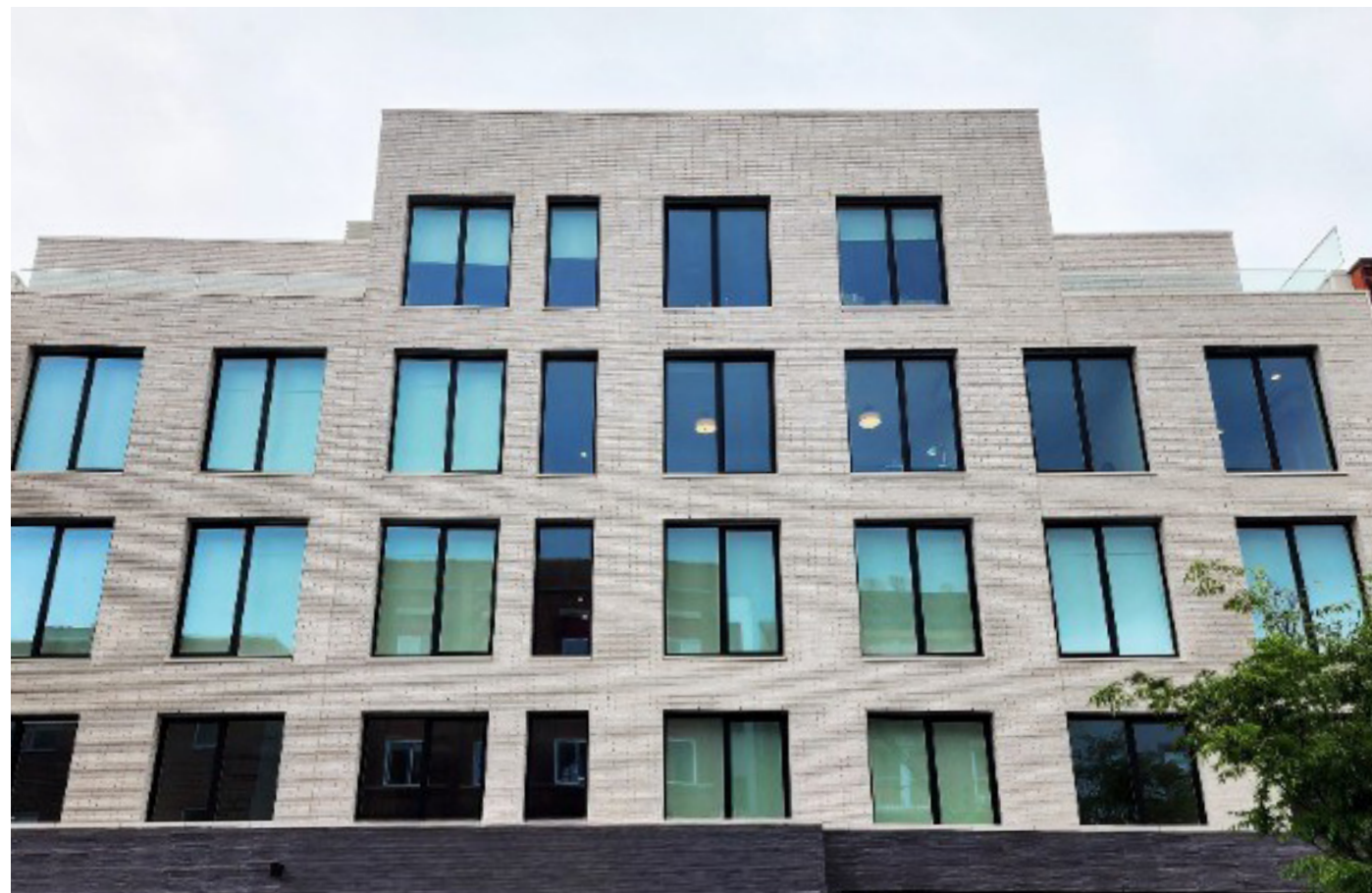
Door with fixed light

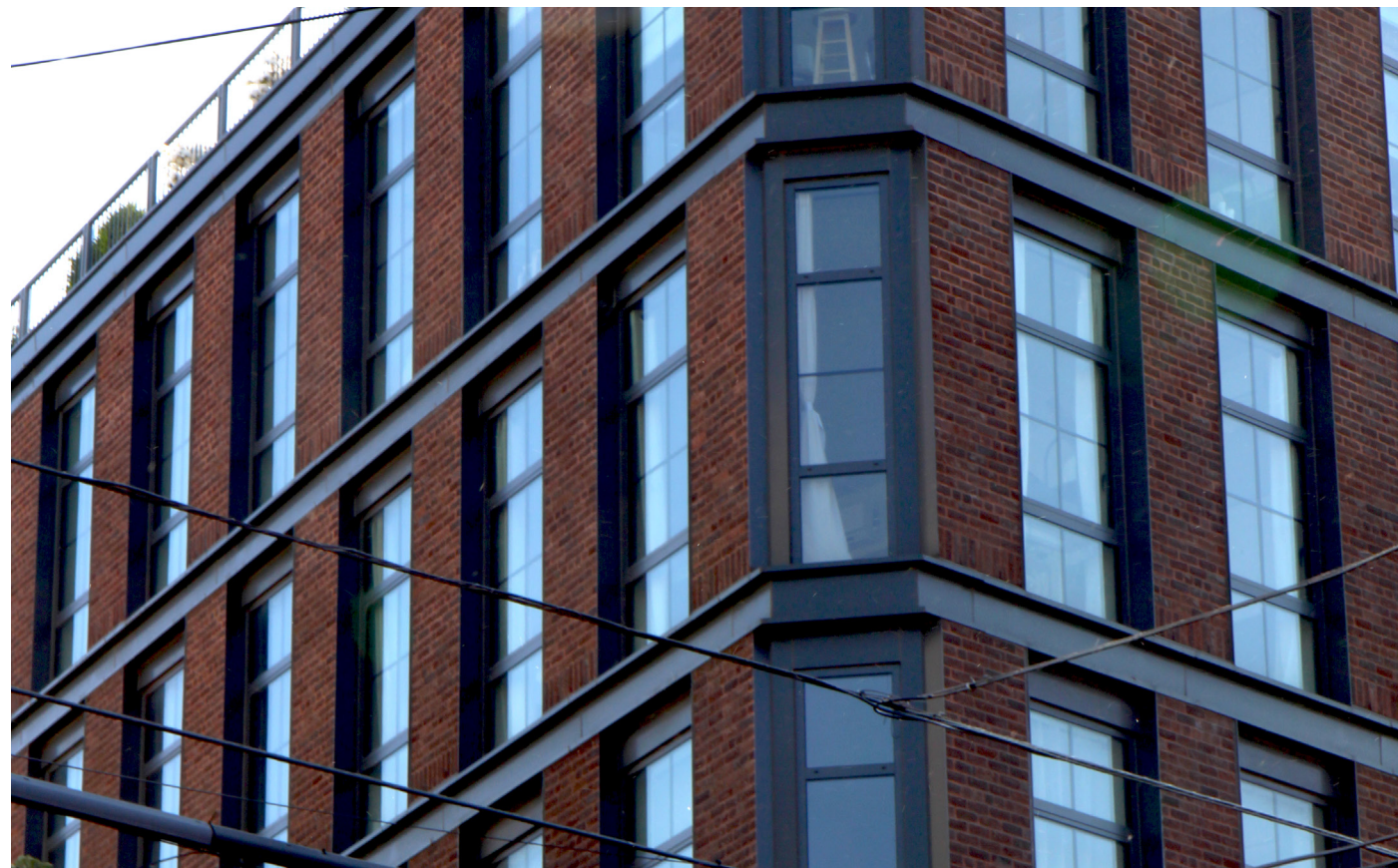


Integrated door







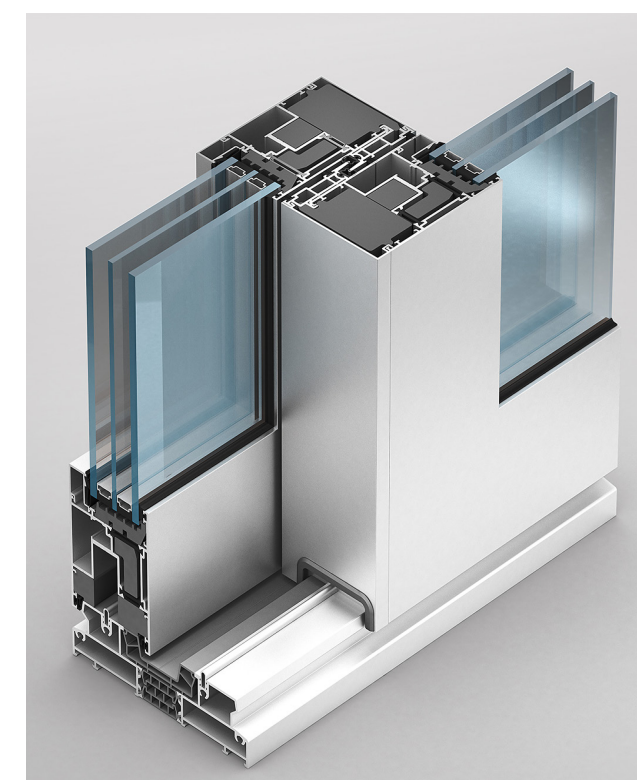


PGA SL160

Higher insulated lift and slide door system

SL160 system is a modern option for glazing large openings. A sliding door frees up a large opening without occupying unnecessary space, unlike a swing door.

This system allows you to get maximize natural light, visually expand the space, connect interior rooms seamlessly, or create a stylish exit to the terrace.

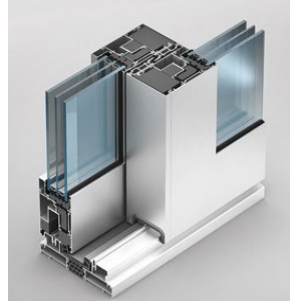


Highly insulated lift and slide door system

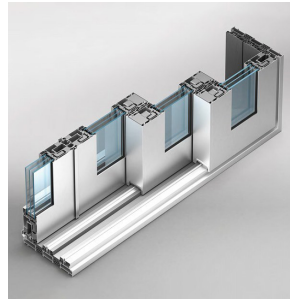




One-track systems



Two-track systems

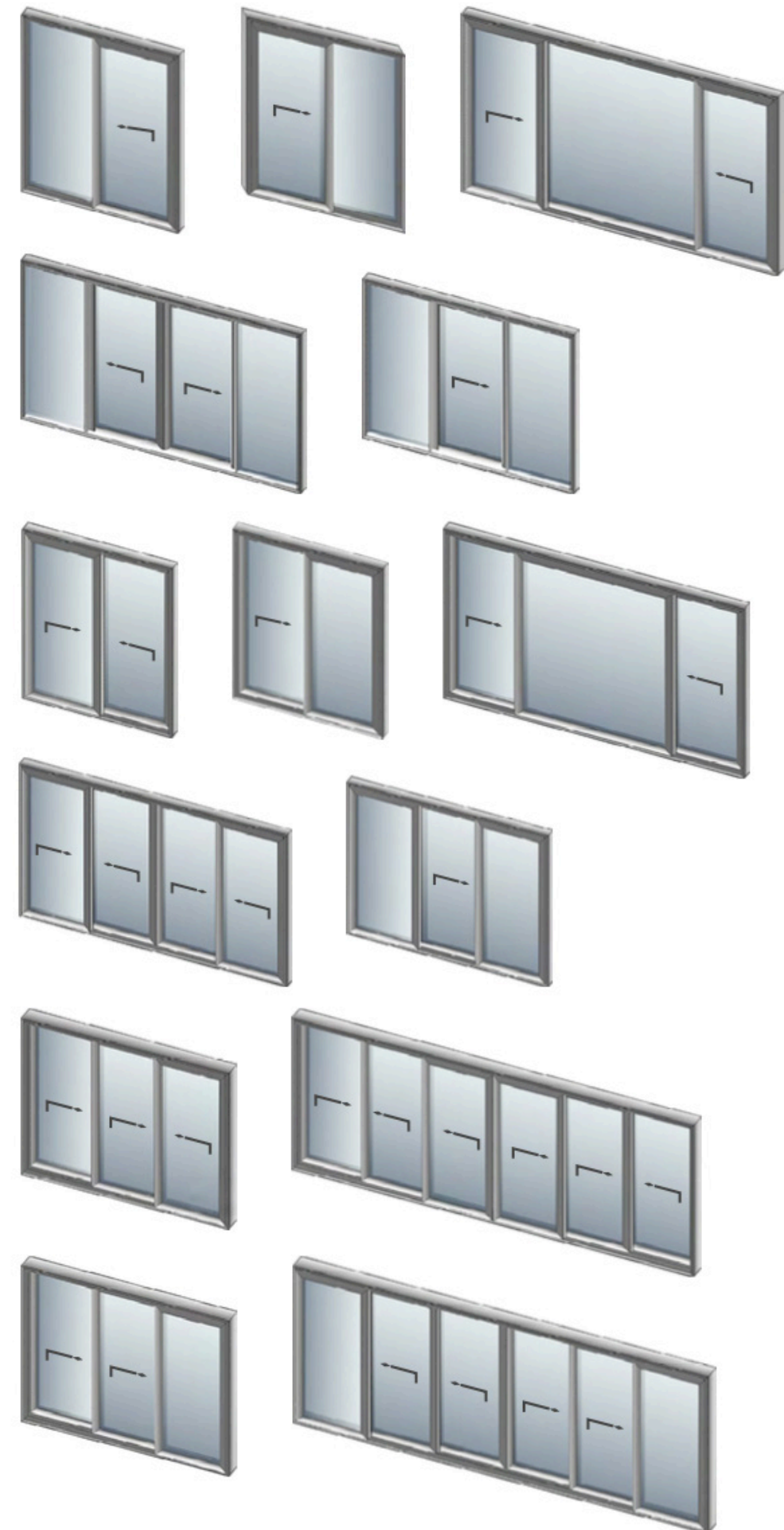


Three-track systems

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



Opening options:

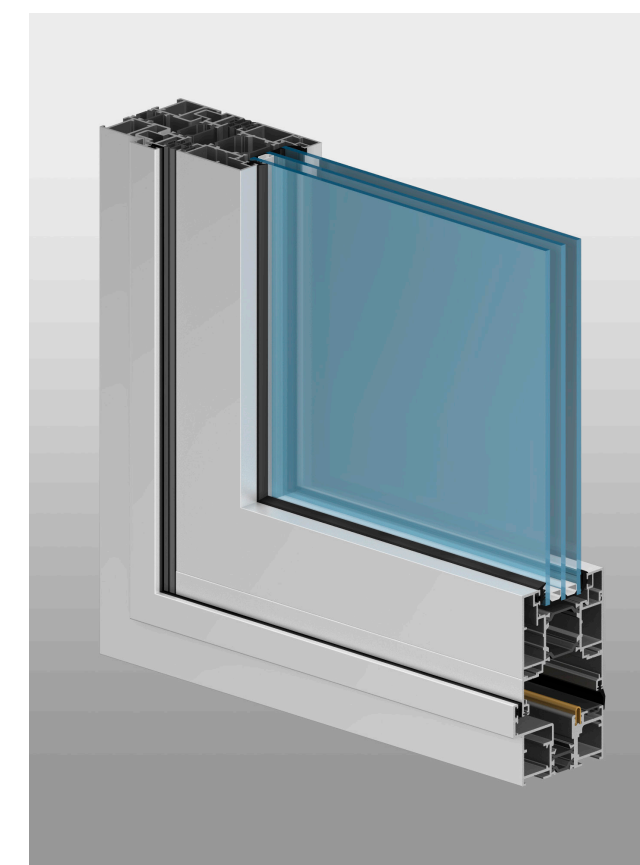




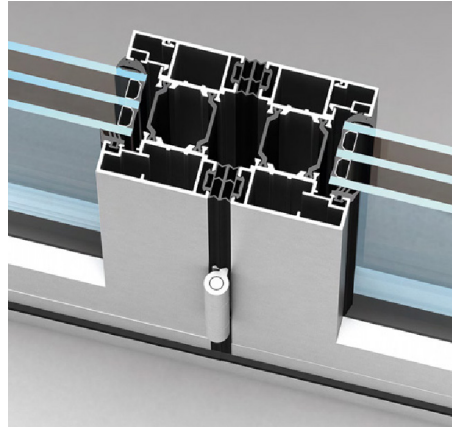
PGA BF73

Bi-folding door system

BF73 system panoramic door is a modern solution for residential and commercial buildings. It can open both outward and inward, depending on needs, and includes a choice of 'fully weathered' or 'low-level' sills complete with integrated locking solutions.



Folding door

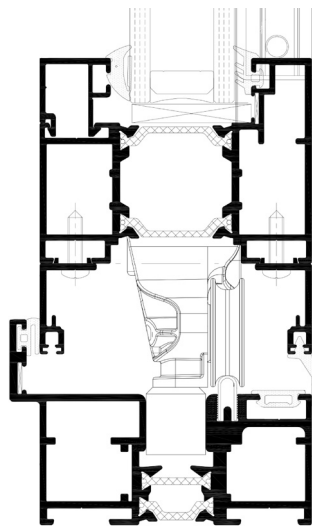


- Control of the “bottom” handles, which provide a secure hold and do not interfere with the folding of the door
- High sealing performance through the use of multi-locking elements, concealed hidden support rollers, and hinges
- Available sill options from raised to flush

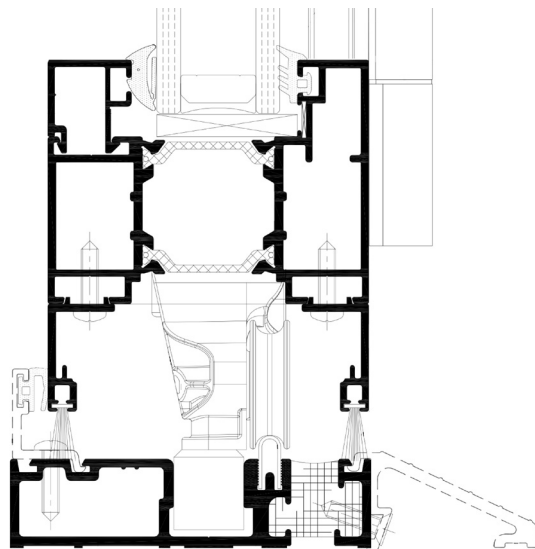


Threshold options:

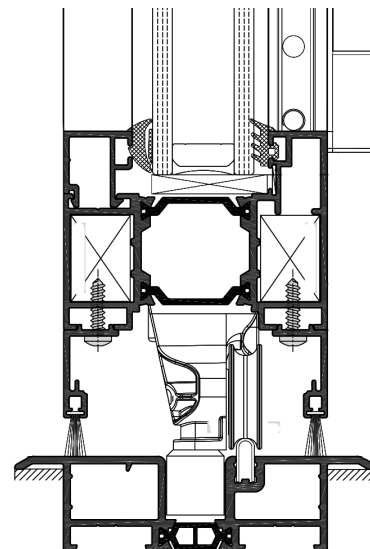
Standard threshold



Low threshold



Hidden threshold



PGA 110

Office partition system



PGA 110 system created for 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 its various design elements, textures, and colors. It allows for 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 using embedded parts
- Angles of partitions ranging from 90 to 270 degrees
- Installation of doors with single and double glazing in one universal frame profile
- Use of curtain wall plugs to complete the appearance of the partition system
- Acoustic insulation up to 40 dB

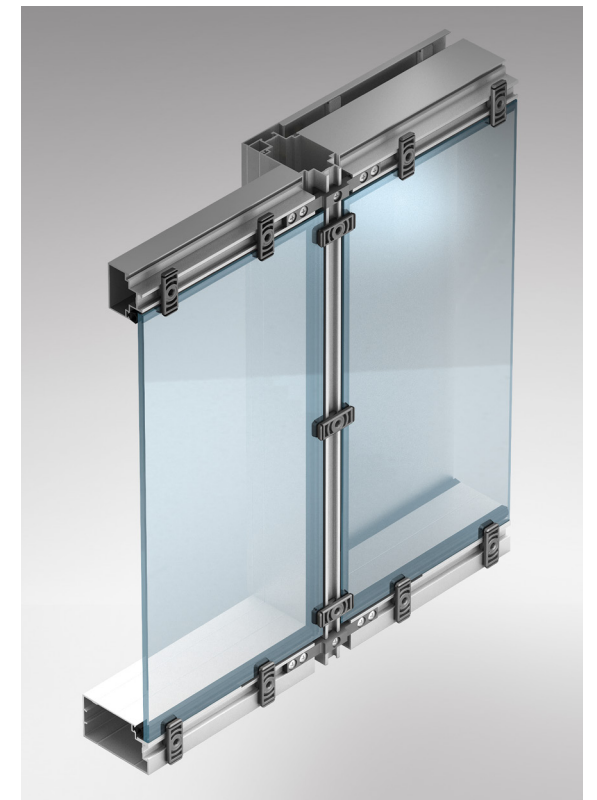




PGA 111

Interior partition system

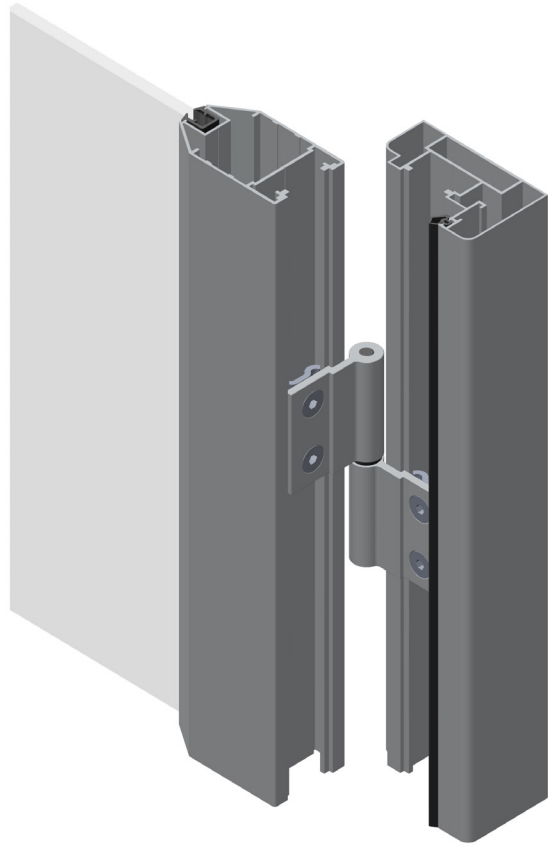
PGA111 system interior partition system is designed to organize workspace within shopping malls, exhibition centers, and office buildings, offering extensive possibilities for interior design in spaces of diverse functions.



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 using fixing elements

Wide range of standard corners (90–270 degrees)



PGA 115

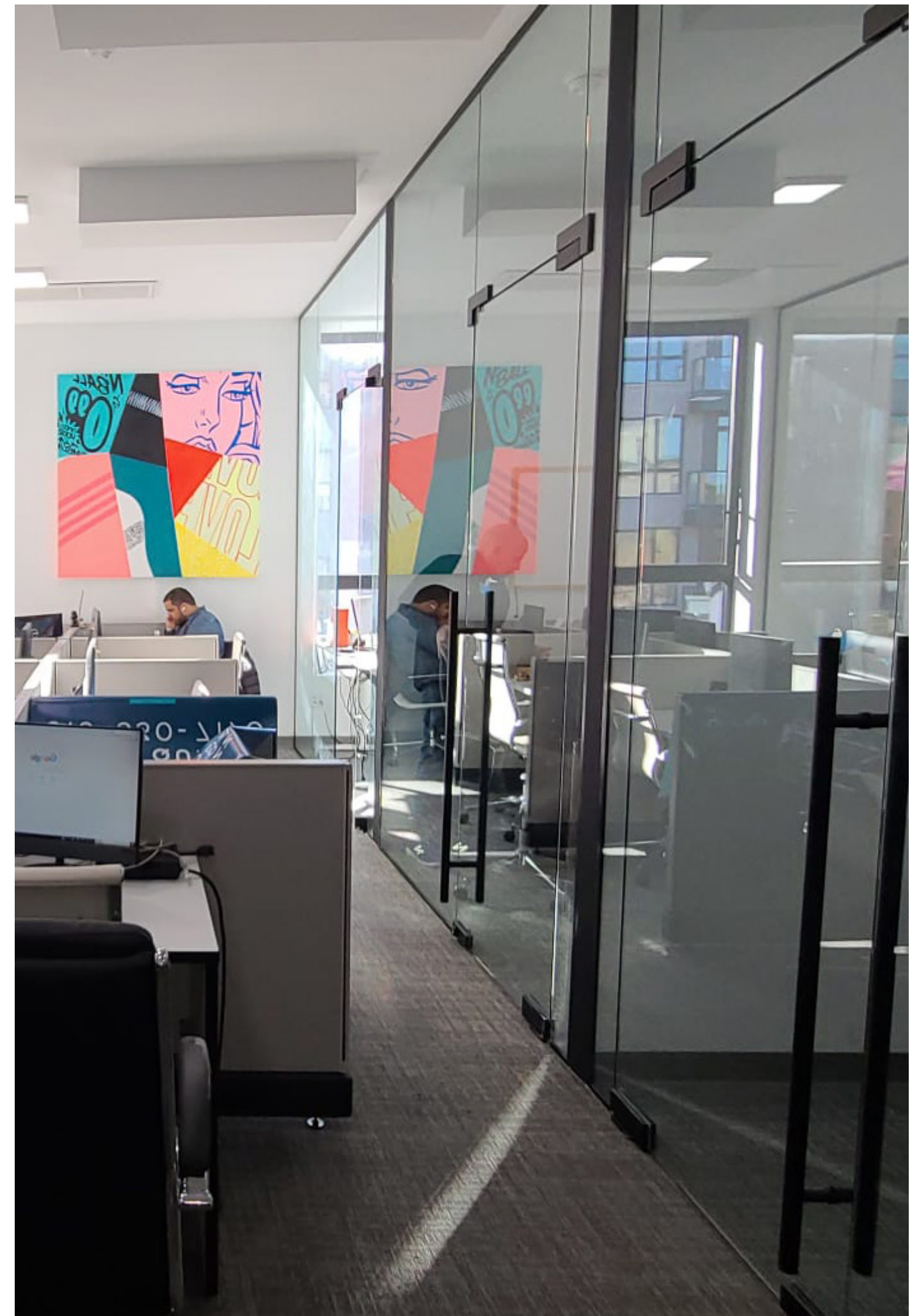
All-glass partition system

PGA115 system 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. With PGA115 partitions, you can create a unified workspace, optimize the use of natural light, and enhance the spaciousness of the room.

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

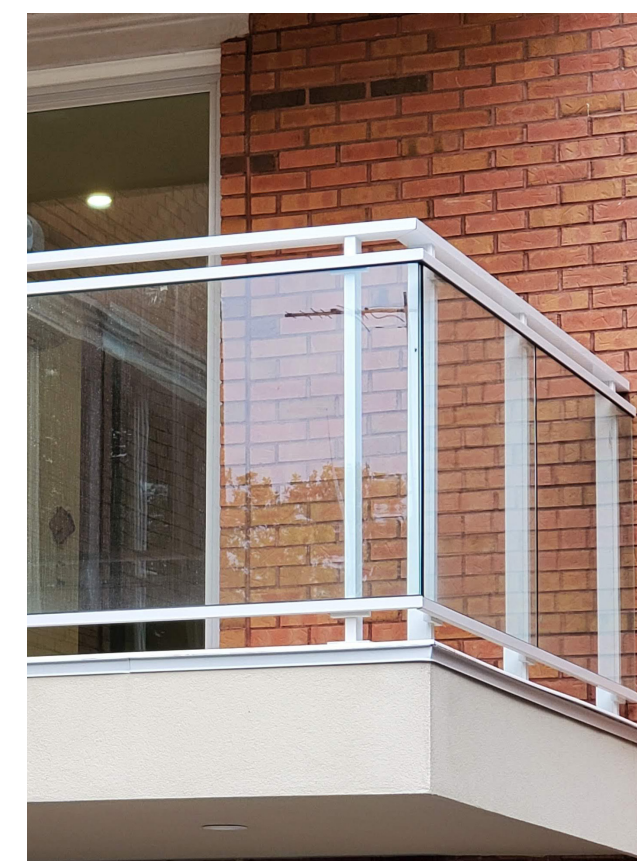




PGA RAILING SYSTEMS

Elxis
Synthesis
Julietta

Railing systems made of aluminum and glass are 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 brightness to your project. Due to the wide variety of elements, available you can achieve any desired aesthetic result.



Elxis

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

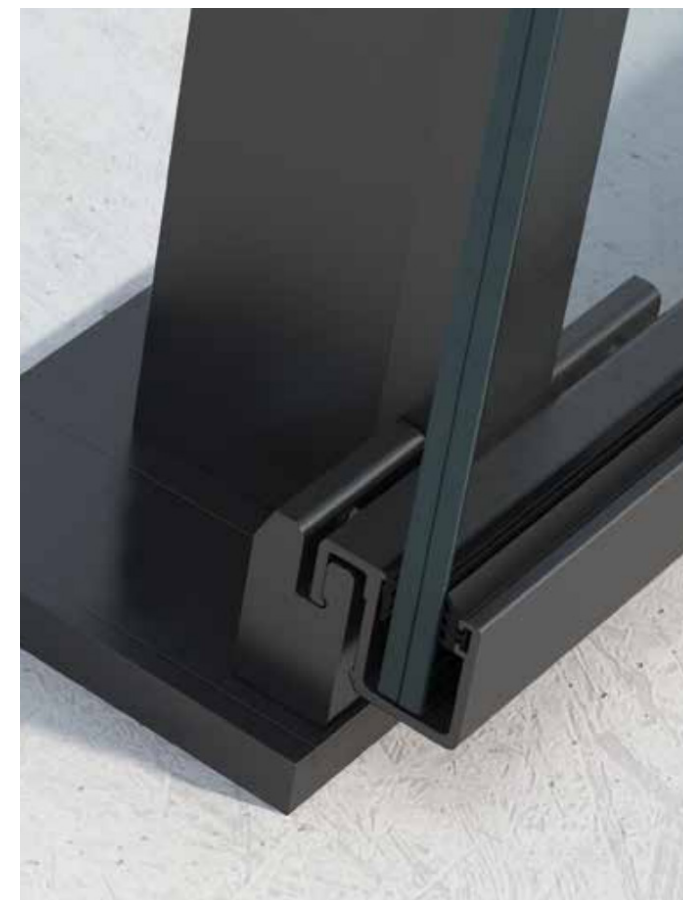
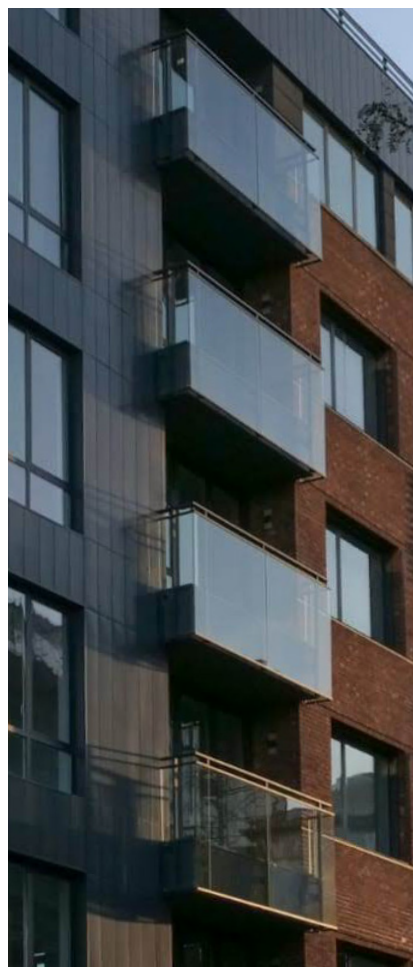


Numerous personalized options offer complete satisfaction down to the last detail.



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





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 $51\frac{3}{16}$ inches
- Wide range of profile combinations
- Rectangular and oval profiles





Julietta

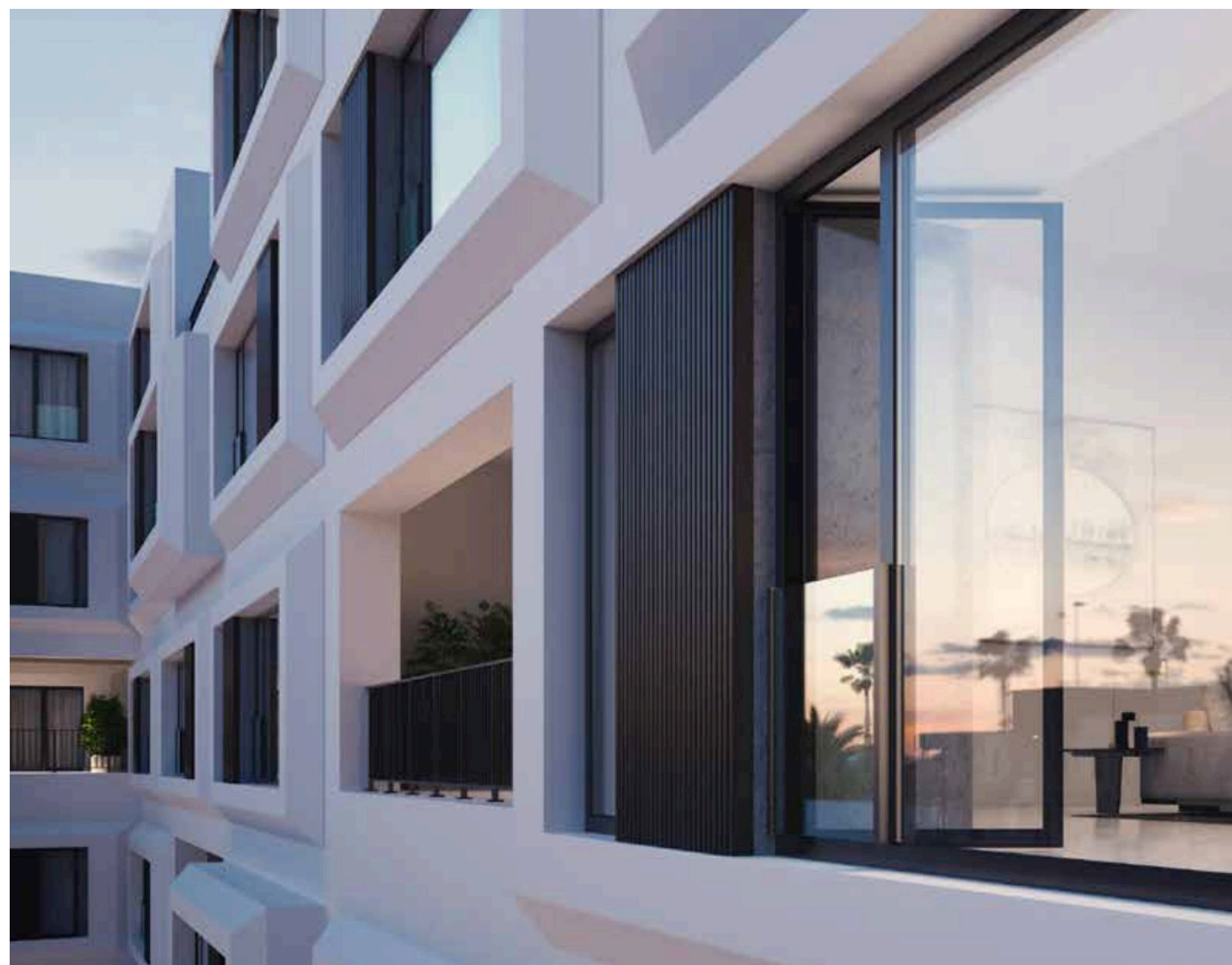
Julietta, is a system solution for “no balcony” projects, offering stylish and safe solution for floor-to-ceiling windows. Julietta balconies are popular for both residential and commercial properties, as they add a touch of style and elegance to a building’s exterior, while also allowing one to enjoy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

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

Advantages:

- Safety barrier
- Quick and easy installation
- Mounted on the façade 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

VR26 system are frames that use 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 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





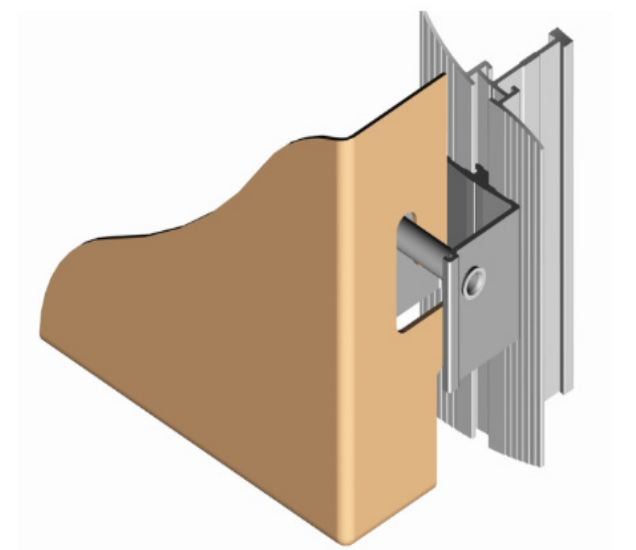
Advantages:

- Technological effectiveness of product assembly. Only 4 screws are required to assemble the finished system
- Simple mounting and dismantling. The system can be used as an 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. ACPs are used for exterior and interior cladding, signage, insulation and other construction, and architectural applications. The main advantage of ACPs are 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. Additionally, ACPs possess good fire-resistant properties.



Advantages:

- Available in many colors and finishes
- Non-combustible assembly
- Ideal for rain-screen façade systems
- Excellent durability and maintenance-free
- Numerous customization options available



PGA

SF450

Commercial storefronts

SF450 system made of aluminum offer several advantages over other materials, such as wood or steel. Aluminum storefronts are lightweight, durable, and corrosion-resistant, making them ideal for use in commercial buildings.

Aluminum storefronts are also highly 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.



The background features a complex, abstract pattern of thin, dark blue lines. These lines are arranged in a way that creates a series of overlapping, irregular rectangular and polygonal shapes, resembling a stylized architectural plan or a modern graphic design. The lines vary in length and orientation, creating a sense of depth and movement across the white background.

FINISHES

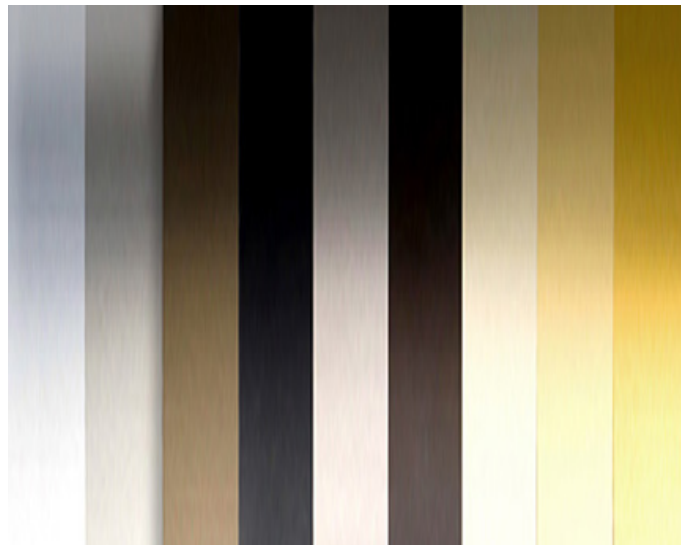
COLORS & FINISHES

The 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 two-color combinations as well as anodized and wood-look finishes.



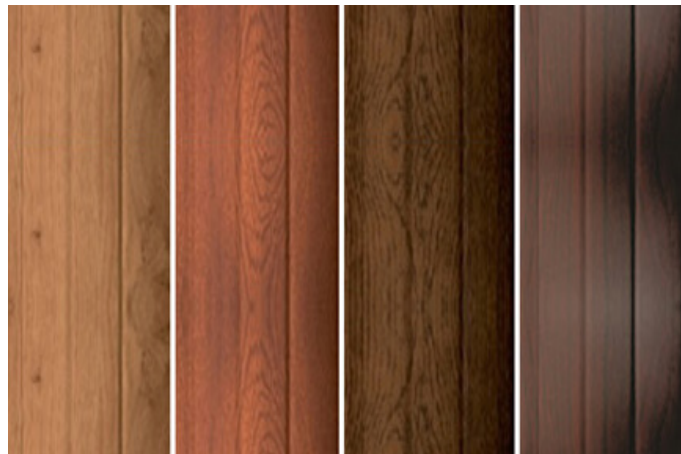
RAL Colors

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



Anodized Finishes

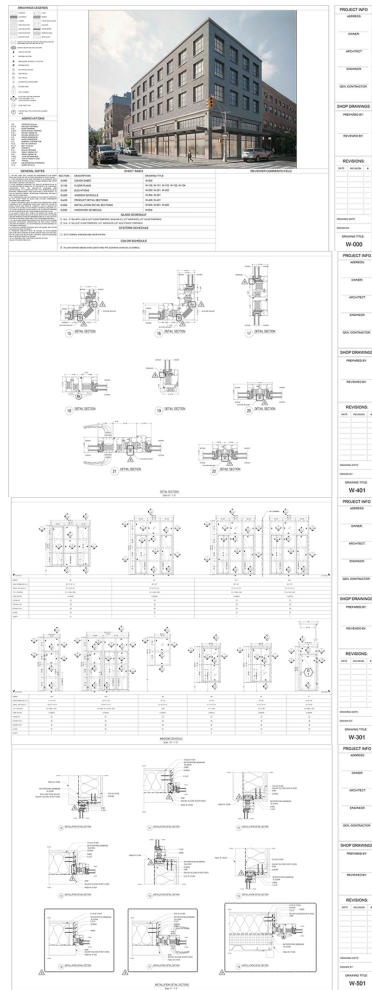
Anodizing is another option for providing a finish to an aluminum product. Unlike powder coating, anodizing involves the use of electricity through the aluminum bar and the chemicals in the anodizing tub. The aluminum extrusion is submerged into the anodizing tub, and the resulting finish coating is created through the interaction of electricity and acid, which etches 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 through either powder coating or a vinyl film application. Extruders use various methods to achieve this finish, resulting in different features and characteristics in the final product.

SERVICES



Drafting & Shop drawings

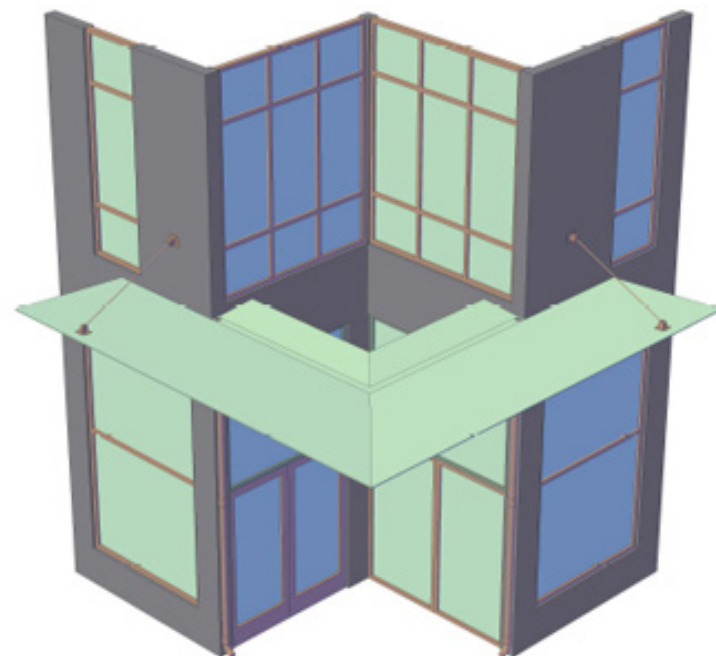
We provide drafting and shop drawing services for our products, ensuring a smooth installation process. Our drawings include all the necessary information and a list of materials. Additionally, we offer engineering services through licensed firms.

Design & Development

We offer design services and custom 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 that 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

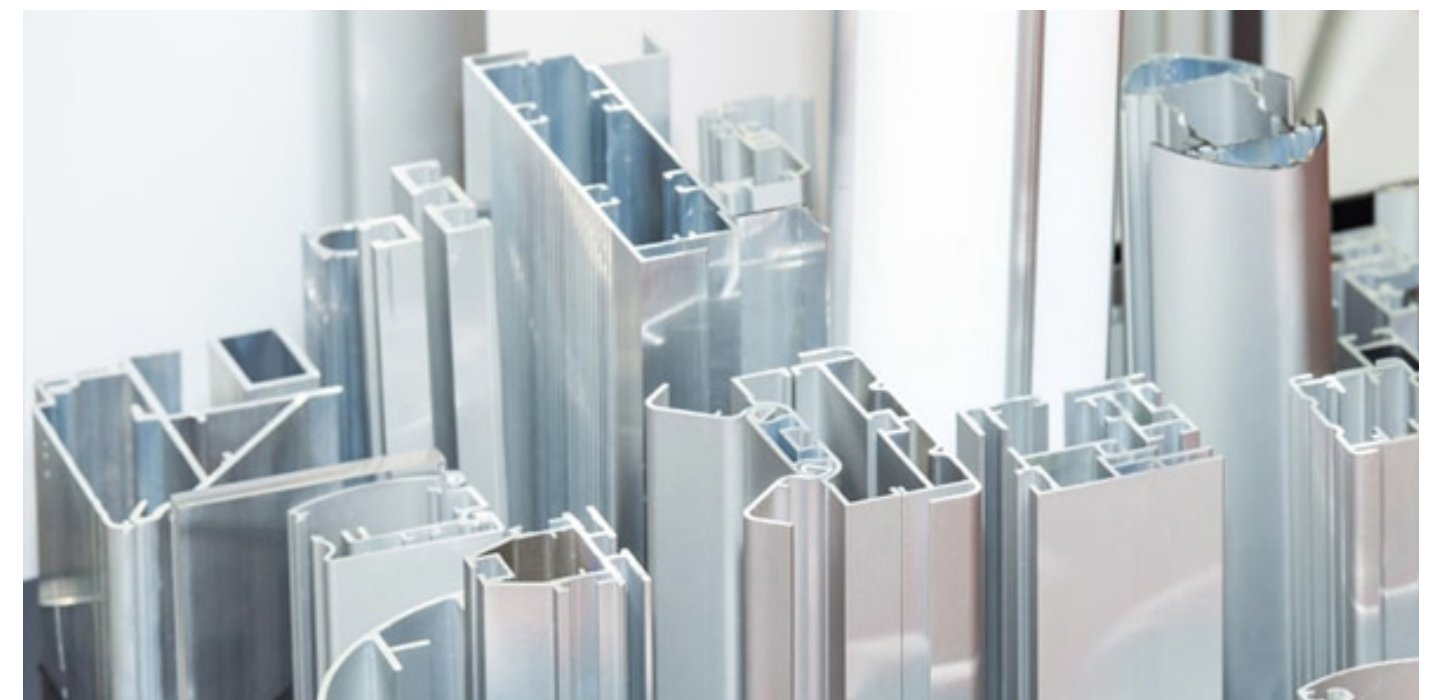
We want to make sure that our product integrates correctly and therefore offer review and consultation on its proper implementation into your project. We will provide all necessary section details and information on how the product should be installed and incorporated into the design to ensure it looks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

Product Implementation

Contact one of our technical representatives 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 specifications and recommend improvements to mitigate 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 easy to replace and adjust, but if you need assistance, our technicians are available to help you remotely with audio/video connections or through a scheduled service call.



Quality & Warranty

PGA Standard Products Warranty

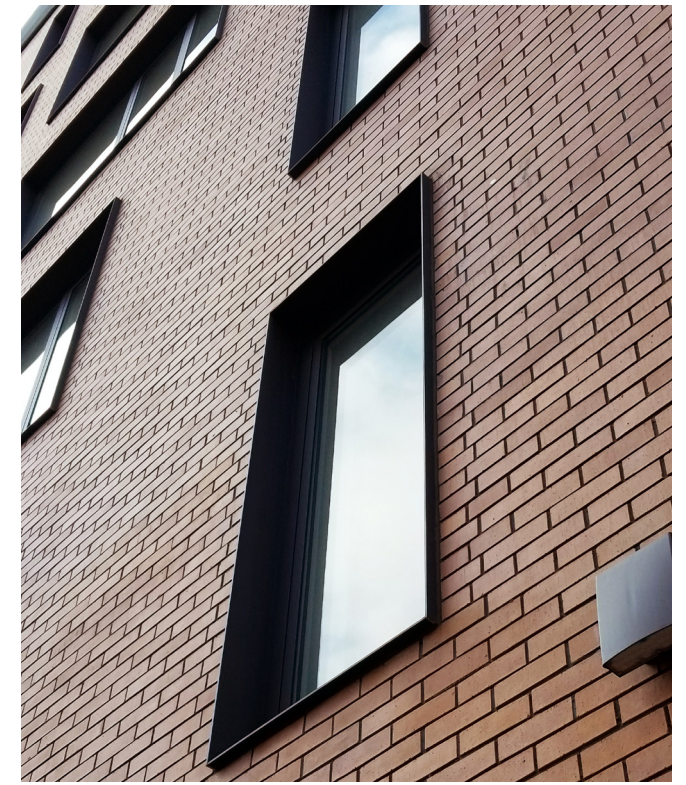
At Professional Grade Aluminum, we take pride in our work and ensure that we supply you with only the best and top-quality products and services. We collaborate with proven and trusted vendors who provide us with top-notch components used to assemble our products. We are proud to offer our 5-year limited warranty so that you can feel confident that you are purchasing peace of mind for many years to come. If you have any questions or require service, please feel free to reach out to our technical department, and we will do our best to resolve the issue promptly.

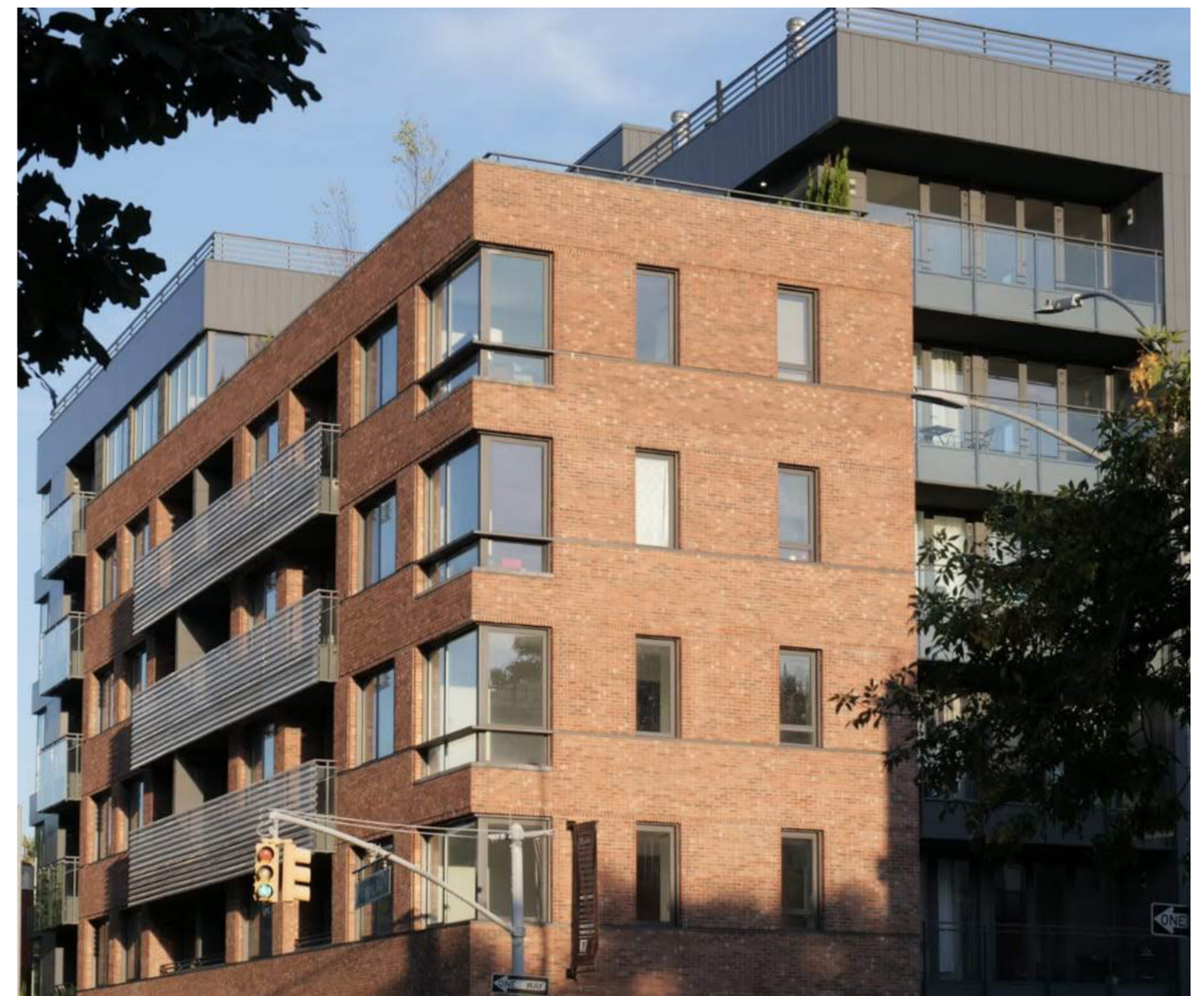
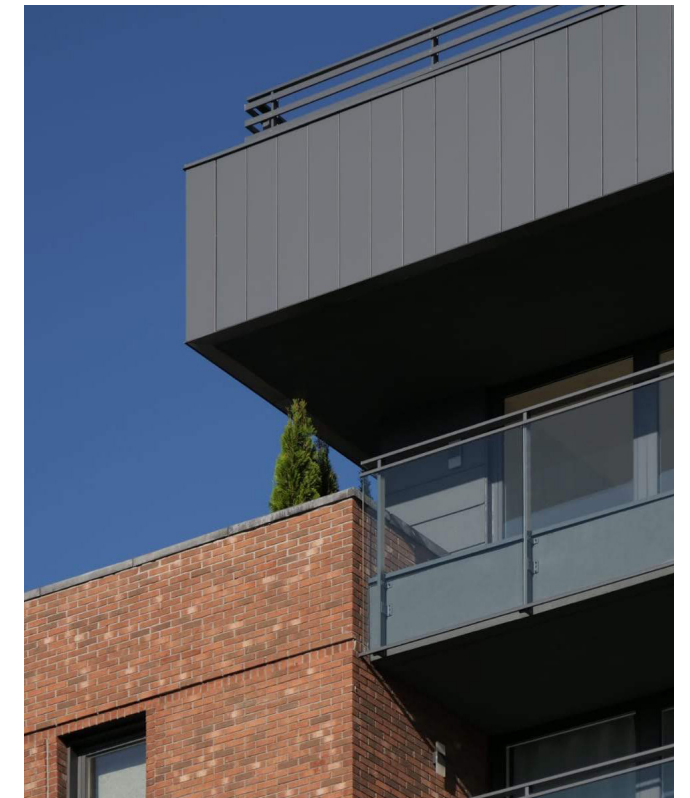
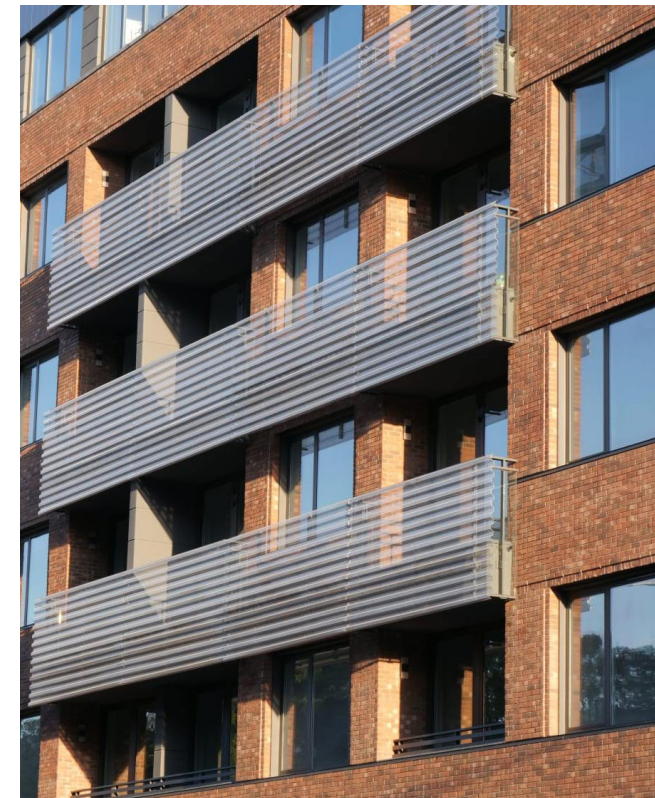
PGA Project Specific Warranty Certificate

While all our products are covered by our standard product warranty, there are instances where a project-specific warranty is required. For this purpose, we have designed a Project-Specific Warranty Certificate that is filled out and distributed for each specific project. This certificate specifies exactly what is covered and the duration of the warranty period. It is essential to coordinate with our customer service to ensure the certificate is completed accurately and registered in our database. Please let us know if you have any questions or need assistance 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!

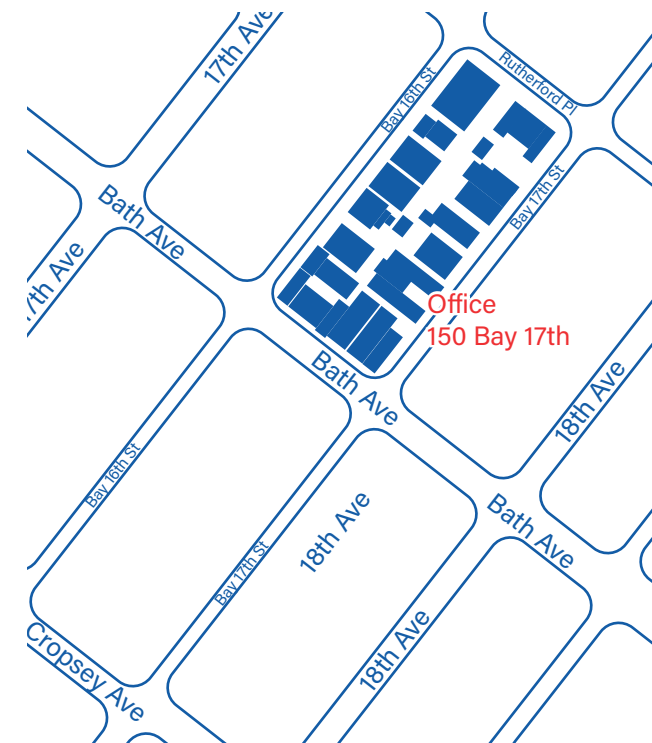
We'll be glad to provide you a free "no strings attached" estimate on your project!

Phone: 732.297.4100

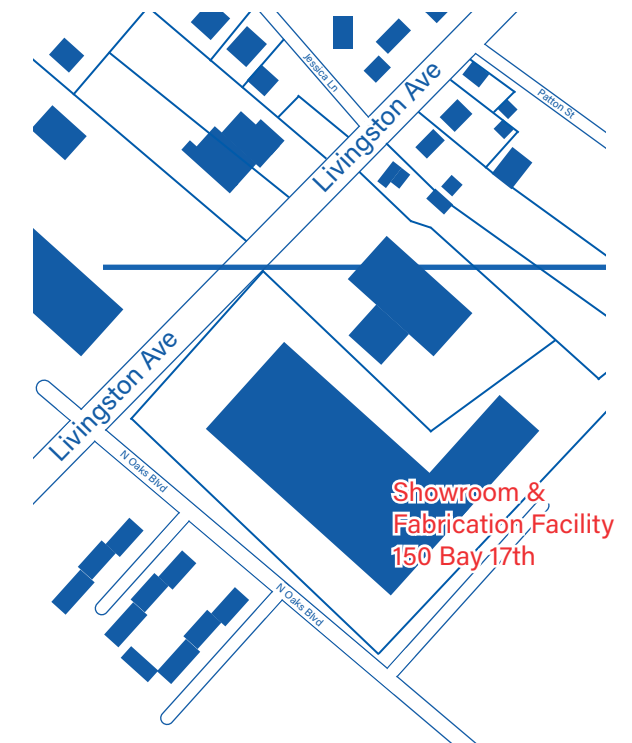
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You can visit our showroom, see samples live and get advice on site.

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Corporate Office
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