

GammaWall

The next-generation precast
wall system



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THE NEXT- GENERATION PRECAST WALL SOLUTION

Gamma Wall was developed within GammaStone's research and development laboratory, drawing on extensive experience in the field of architectural façade cladding. The result is a modular, 100% PRECAST product, designed to ensure fast installation, millimetre precision, and unlimited creative freedom.

Thanks to design and production being entirely carried out at GammaStone's facilities, the system arrives on site complete in every component, ready to be installed without any additional processing. This allows for a significant reduction in installation time, minimizes risks related to weather conditions, and delivers a superior aesthetic result.

At the core of the system lies its versatility, made possible by two different finishing options and two installation systems, both engineered to adapt to any design requirement.

GAMMAWALL

- ☒ CUSTOM-MADE
- ☒ DRY INSTALLATION
- ☒ READY FOR INSTALLATION

At the core of the system lies its versatility, made possible by two different finishing options and two installation systems, engineered to adapt to any design requirement:

FINITURE:	Stainless steel with digital graphics or GammaStone panel in natural stone / UHPC / porcelain stoneware / brick / glass
INSTALLAZIONE:	UNITIZED system or mullion and transom system

PERFORMANCE AND BENEFITS

GAMMA WALL REPRESENTS THE
PERFECT SYNTHESIS OF DESIGN,
TECHNOLOGY, AND DURABILITY.

THE SYSTEM HAS BEEN DEVELOPED TO ENSURE:

Resistance to air, water, and
wind, even under extreme
conditions

Dimensional stability under
thermal variations

Acoustic insulation for
optimal living comfort

Fire performance compliant
with international standards

Reduced construction time
and costs thanks to fully
PRECAST manufacturing

Each panel is manufactured
and tested in the factory,
ensuring consistent quality
control and long-term
guaranteed performance.

SYSTEM

Performance

	Large format up to 6 × 4 m		Resistance to hurricane winds
	Thermal insulation		Resistance to thermal shock
	Acoustic insulation		Energy efficiency
	Impact resistance		100% PRECAST

Each wall is manufactured and tested in the factory, ensuring consistent quality control and long-term guaranteed performance.



Insulation

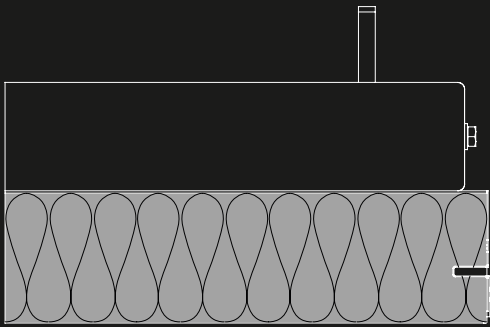
Insulation is ensured by high-density rock wool

Available thicknesses	120 mm	140 mm	200 mm	240 mm
				

Structure

Rock wool

External finish





PRODUCTION

100% PRECAST,
READY FOR
INSTALLATION

GammaWall is a wall system fully pre-constructed and assembled in the factory.

Each module is manufactured, inspected, and finished off-site, drastically reducing on-site operations while ensuring consistent quality, dimensional precision, and reliable construction timelines.





PERFORMANCE

CERTIFIED PERFORMANCE FOR
CONTEMPORARY BUILDINGS

GammaWall is designed to meet the
highest performance requirements of
modern construction.

REACTION TO FIRE

Class A – compliant with EN 13501



STRUCTURAL AND MECHANICAL RESISTANCE

Suitable for multi-storey buildings



ACOUSTIC INSULATION

High indoor comfort levels



AIR AND WATER TIGHTNESS

Industrial sealing systems



WIND RESISTANCE

Even under severe climatic conditions



STABILITY UNDER THERMAL EXPANSION





NEW CONSTRUCTION

thanks to fast installation and design freedom



RENOVATION AND REFURBISHMENT

allowing existing buildings to be clad without invasive demolition

APPLICATIONS

NEW CONSTRUCTION AND BUILDING
RENOVATION

The system allows for a significant improvement in the energy efficiency, aesthetics, and performance of the existing building.



INTENDED USES

ONE SYSTEM FOR EVERY
BUILDING TYPE

RESIDENTIAL BUILDINGS



OFFICES AND CORPORATE HEADQUARTERS



HOTEL AND RESORTS



HOSPITALS AND HEALTHCARE FACILITIES



PUBLIC AND INSTITUTIONAL BUILDINGS



COMMERCIAL BUILDINGS



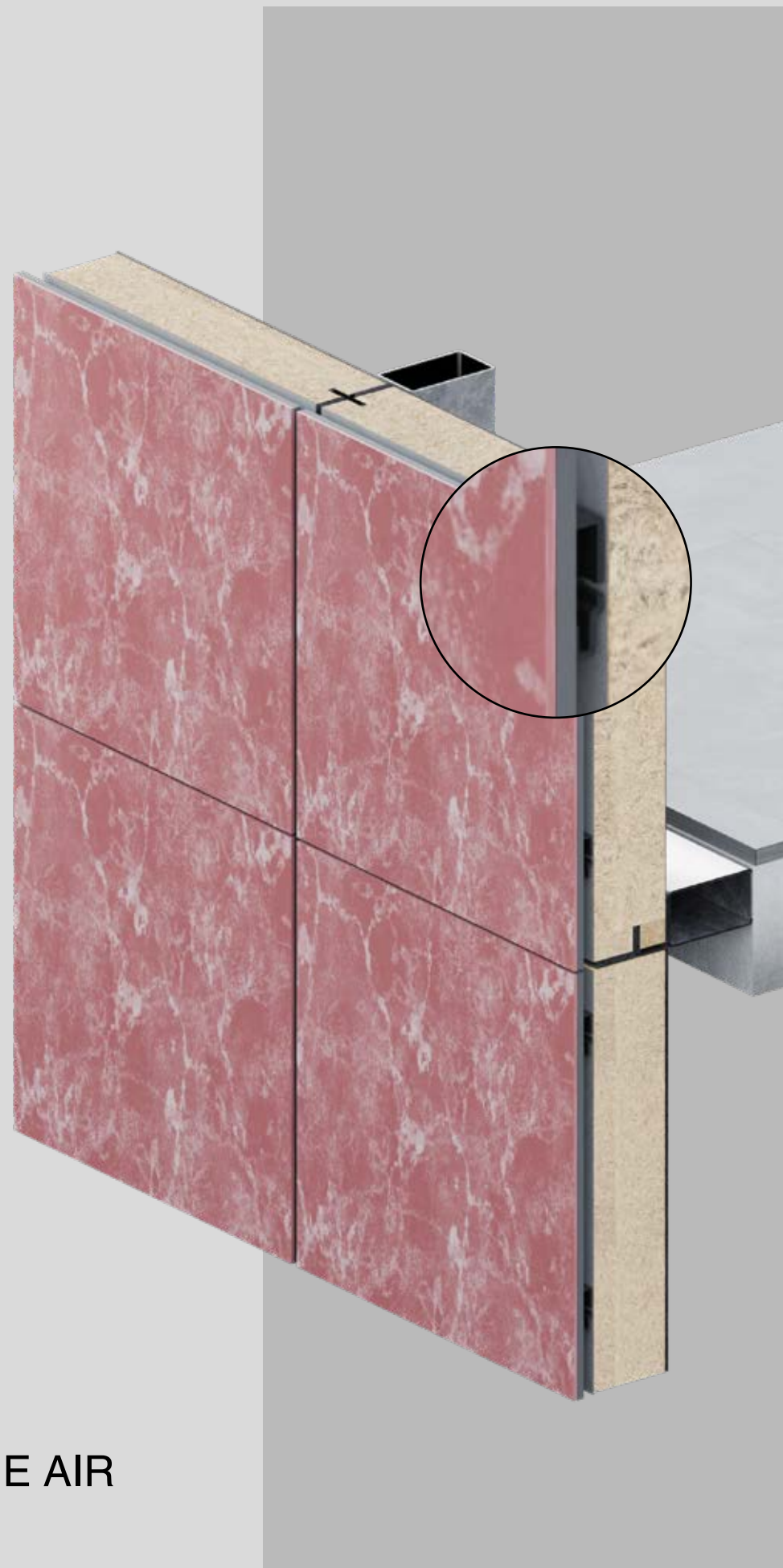
Vwall

STAINLESS STEEL WITH DIGITAL GRAPHICS



Vwall Air+

GAMMASTONE AIR PANEL



GammaWall

The GammaWall stainless steel system is a modular PRECAST cladding solution with a stainless steel surface, designed to deliver perfect flatness, extreme resistance, and total aesthetic freedom. It combines structural lightness, durability exceeding 30 years, and the possibility of graphic or material customization, creating façades with a strong visual impact.



TECHNICAL DETAILS

GammaWall System details represent the synthesis of engineering precision and construction simplicity: solutions designed to ensure aesthetic continuity, air and water tightness, insulation, and long-term durability, while also facilitating system installation and maintenance.



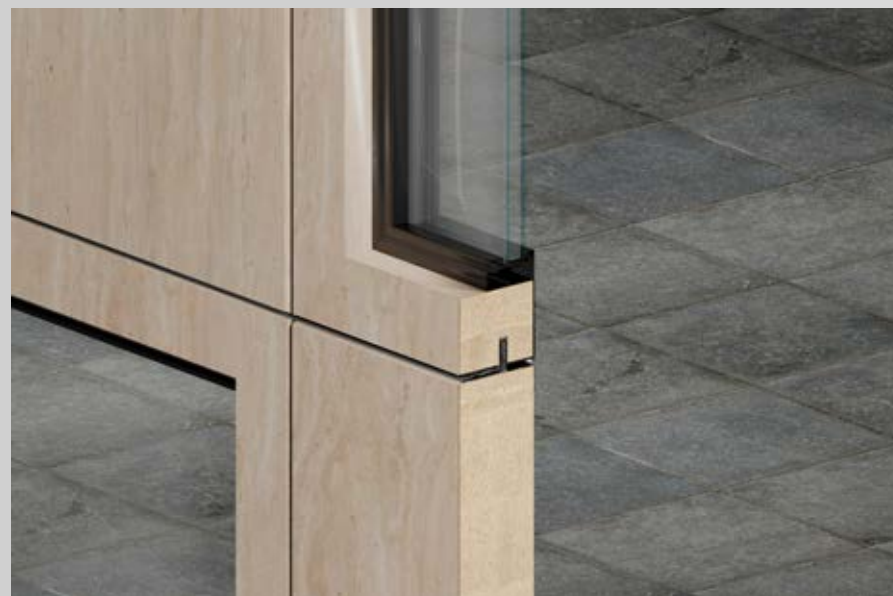
VERTICAL
section



HORIZONTAL
section



HORIZONTAL WINDOW
section



VERTICAL WINDOW
section



CORNER
section

UNITIZED SYSTEM

THE GAMMAWALL UNITIZED SYSTEM ADOPTS THE SAME CONSTRUCTION PRINCIPLE AS ALUMINIUM UNITIZED FAÇADE SYSTEMS:

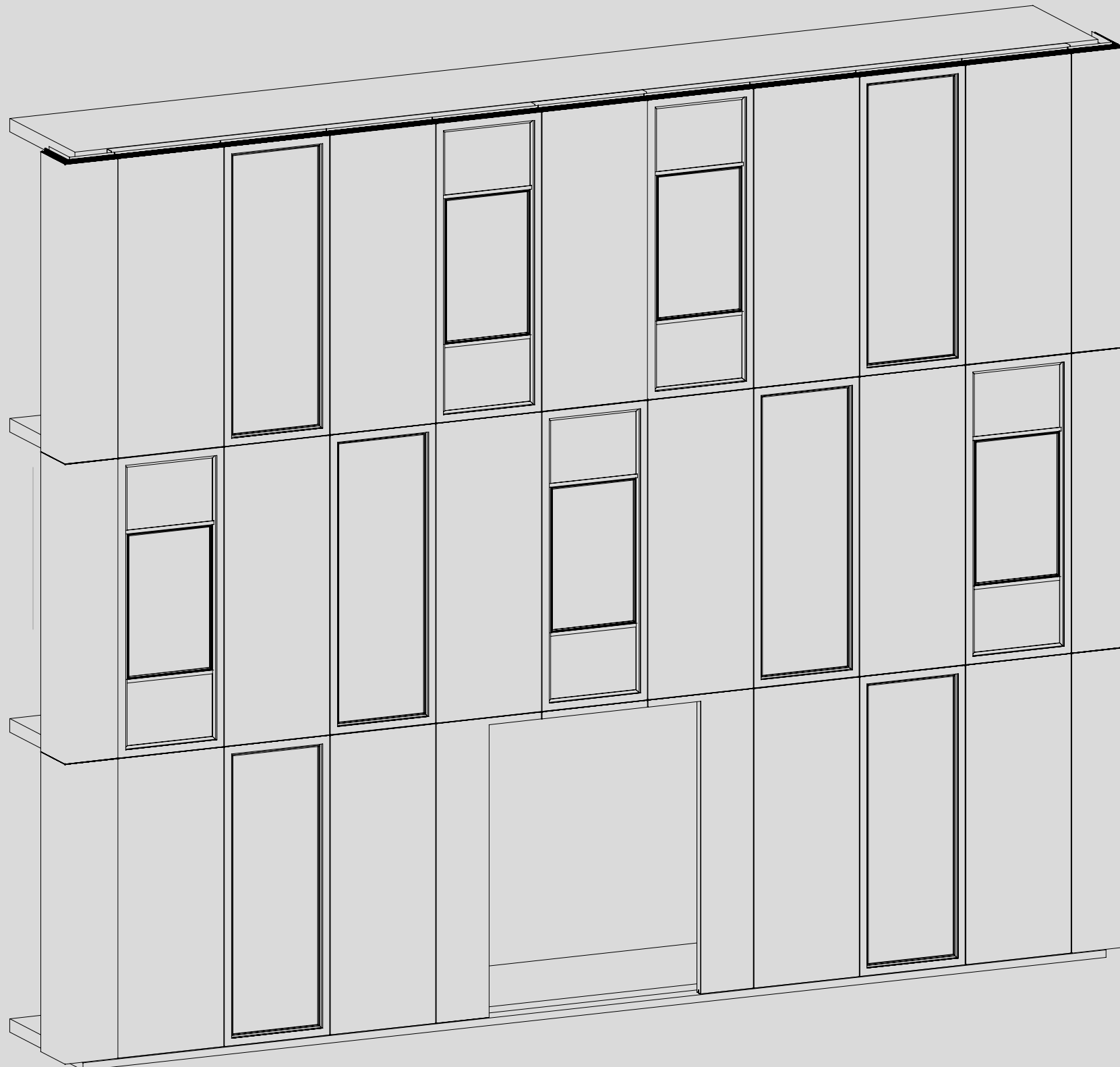
- Fixing brackets anchored to floor slabs
- PRECAST panels hooked into place from the outside

This technology allows up to 100% of the finishing work to be carried out in the factory, including the installation of glazing and window systems, almost completely eliminating on-site high-level operations.

KEY ADVANTAGES:



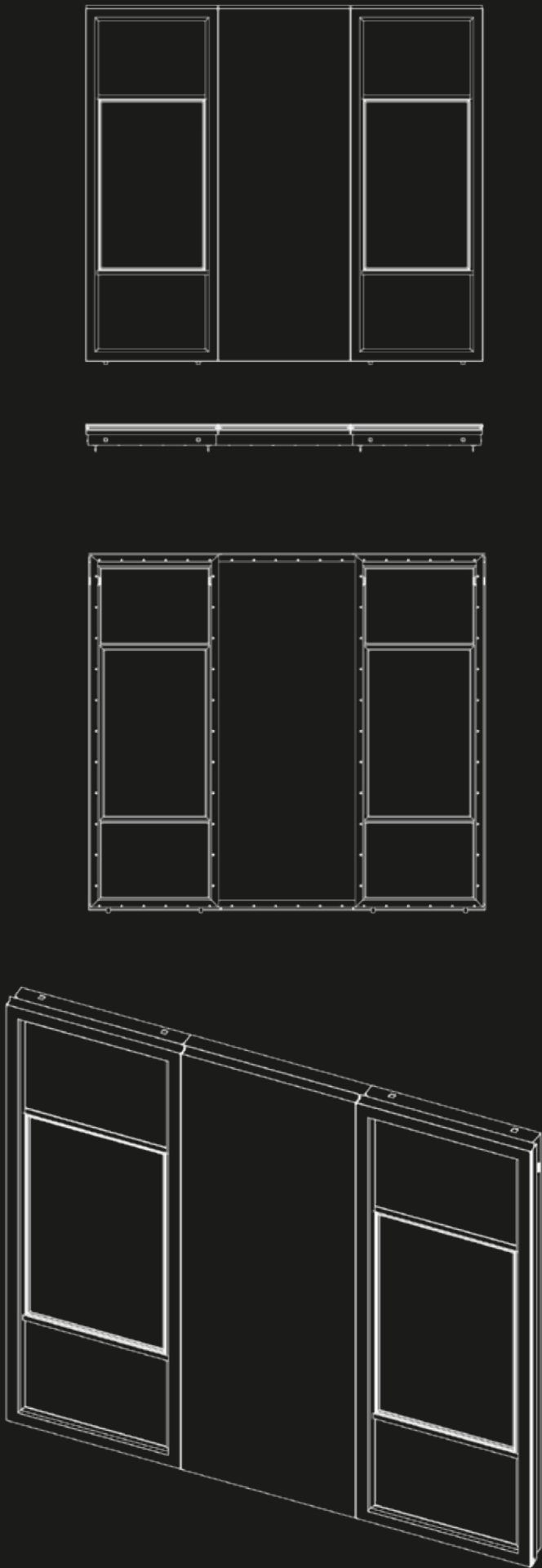
Fast and safe installation



6X4 M WALL

Fully enclosed wall, entirely
manufactured and finished in the factory.

Delivered to site ready for installation.

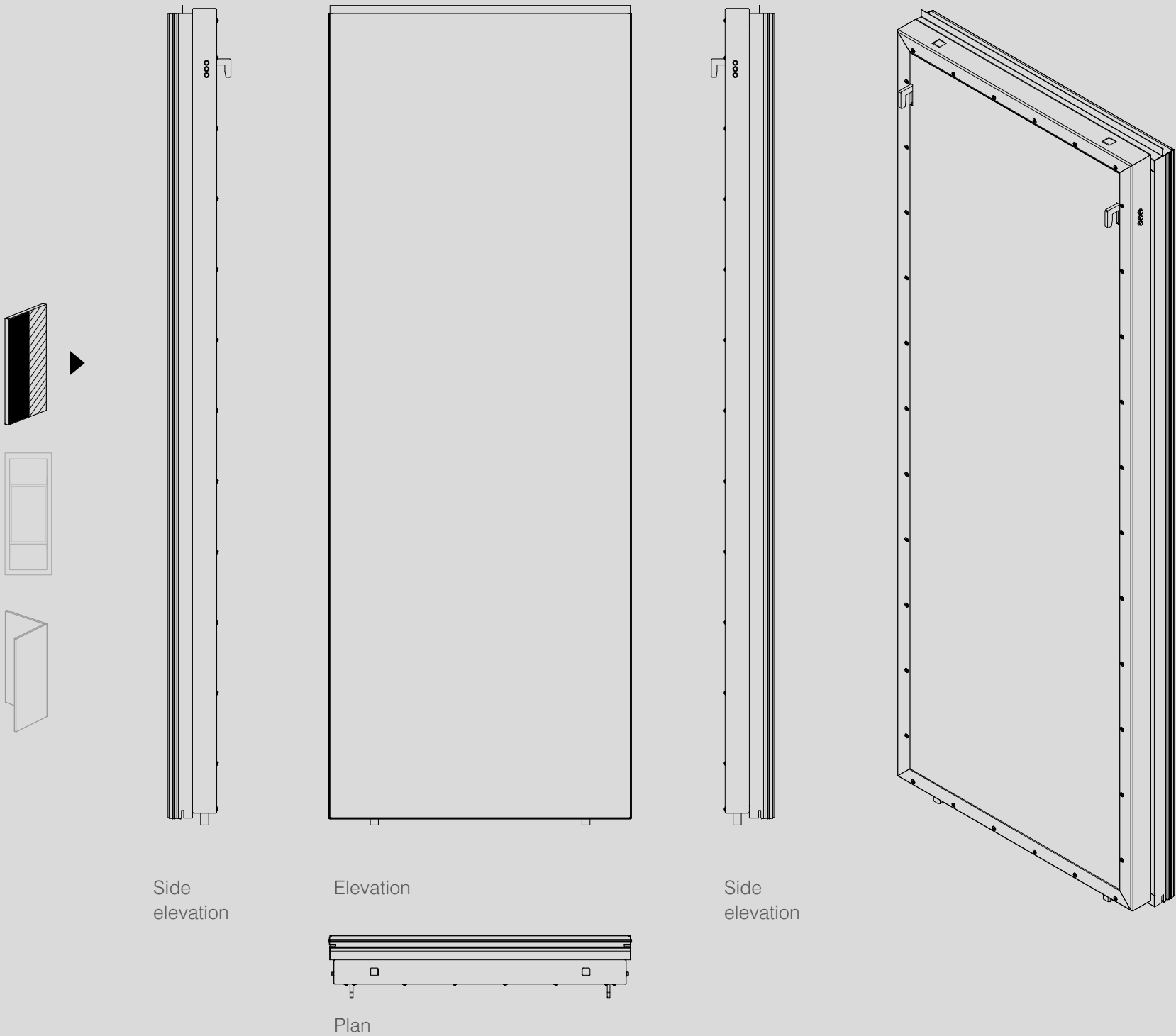




OPAQUE PANEL

Fully enclosed panel, entirely manufactured and finished in the factory.

Delivered to site ready for installation.



FEATURES

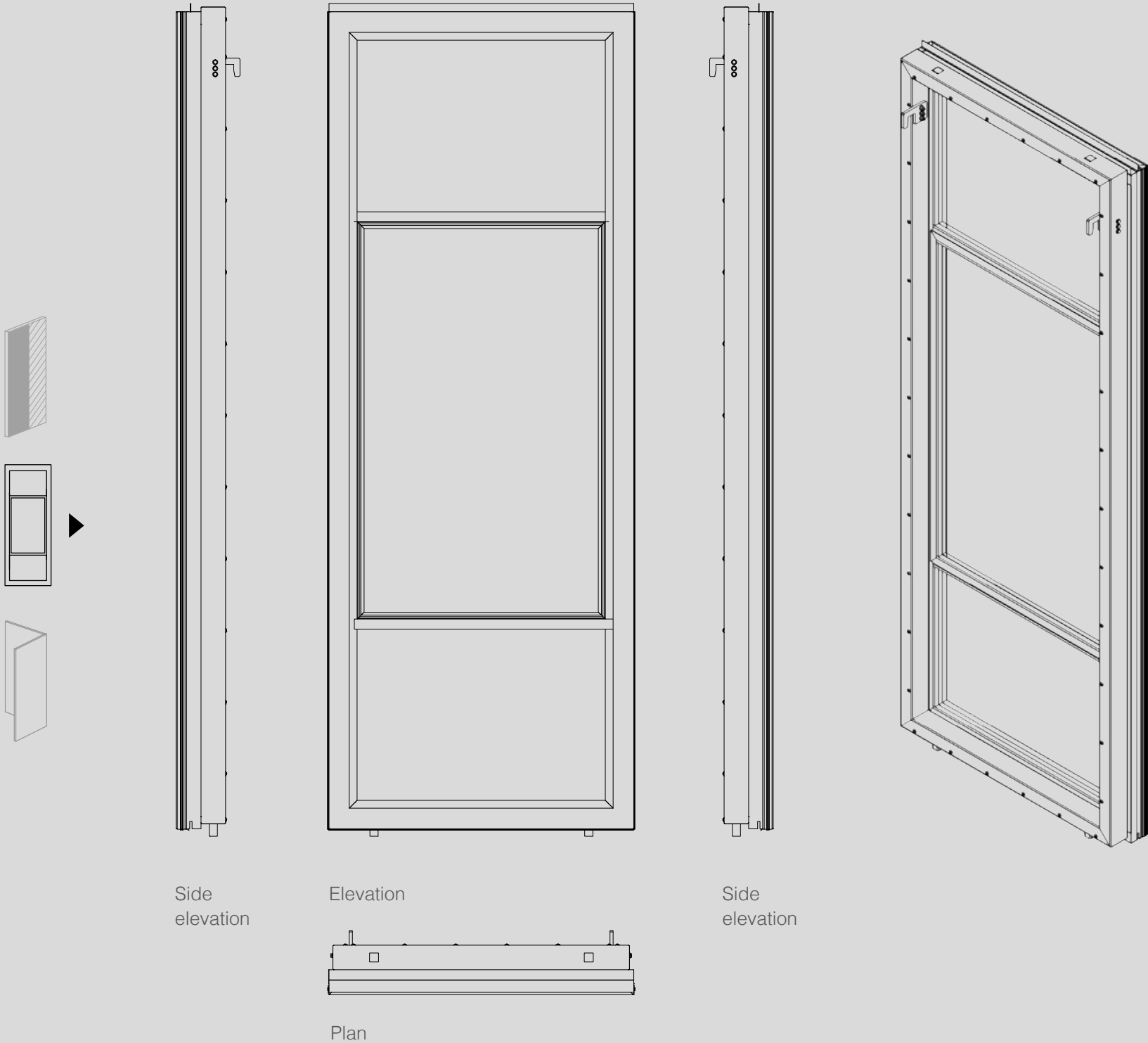
	Perfect flatness and unmatched aesthetic uniformity
	Infinite customization possibilities thanks to two finishing options
	No additional on-site processing required



PANEL WITH WINDOW

Version of the opaque panel with a window system factory-integrated, available in either operable or fixed configurations.

The window is installed directly in the factory, complete with sealing systems and precision reveals.



FEATURES

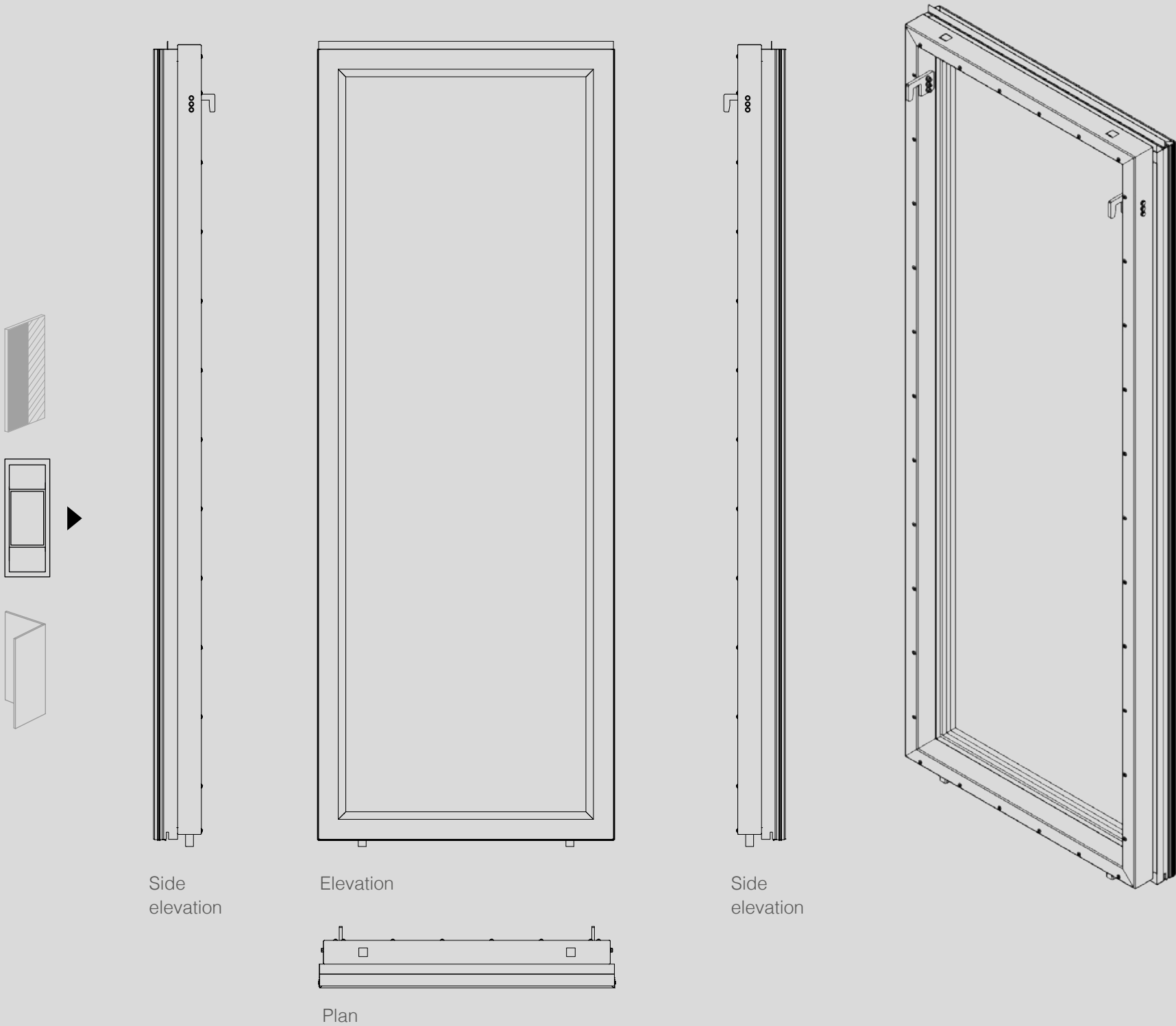
- ✓ Complete sealing against water infiltration
- ✓ Precise reveals with clean, minimal lines
- ✓ Window systems available in aluminium or PVC, featuring slim profiles and contemporary design.





PANEL WITH FIXED
GLAZING

Panel designed to integrate a fixed glazed element, ensuring natural daylight inside the building without compromising insulation performance.



FEATURES



Perfect aesthetic integration with opaque panels



Clean, minimal reveal



Glazing selected according to the designer's specifications (thermal, acoustic, and solar performance).

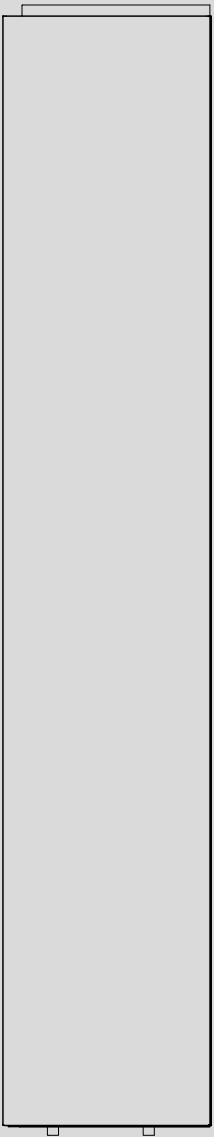




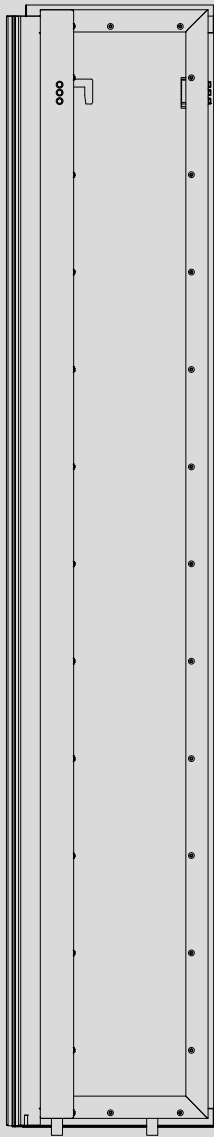
CORNER PANEL

Monolithic element manufactured as a single piece in the factory, ensuring complete continuity of the external finish even at the corner.

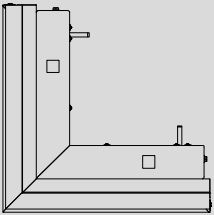
The result is a monolithic effect that enhances the façade with elegance and visual strength, particularly striking when using marble or textures with continuous veining.



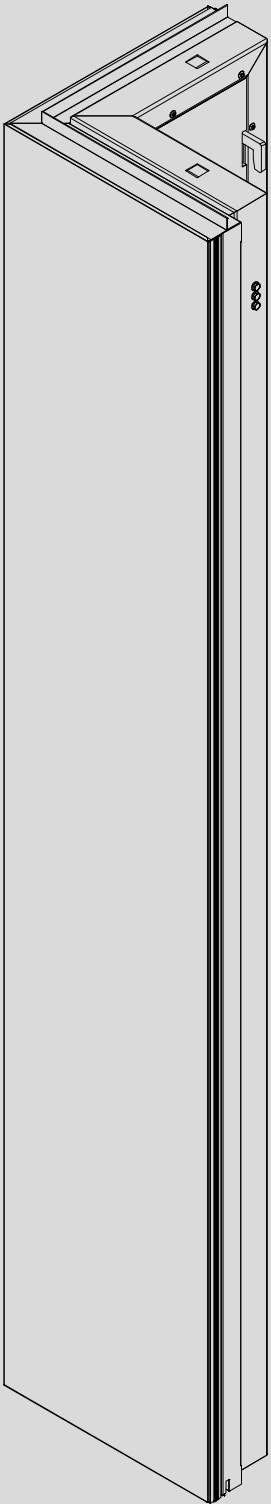
Elevation



Elevation



Plan



FEATURES

	Seamless aesthetic continuity
	Enhanced visual impact
	Ideal solution for high-end buildings and iconic architectural projects.

MULLION AND TRANSOM SYSTEM

The GammaWall mullion and transom system is inspired by the proven technology traditionally used by façade contractors for aluminium curtain wall systems, refined and adapted to integrate seamlessly with GammaWall PRECAST panels.

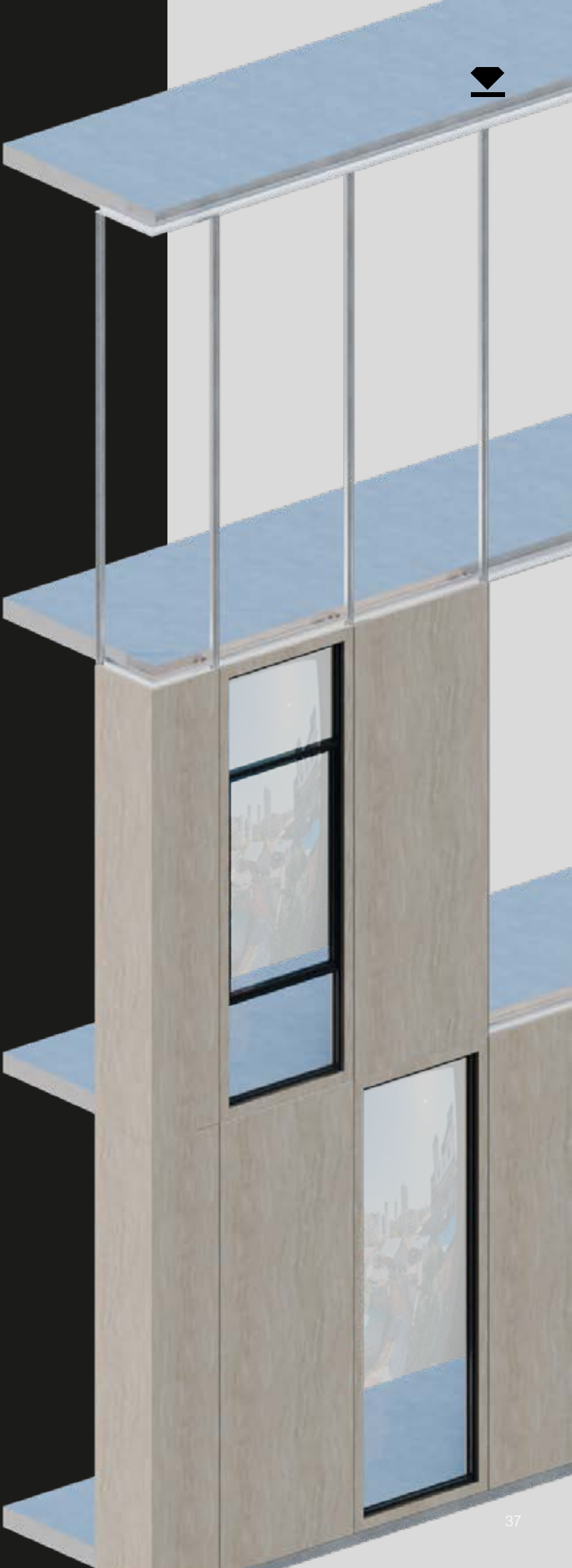
In this system, the supporting structure is installed on site prior to panel installation:

- Vertical mullions fixed directly to the building's load-bearing structure
- Horizontal transoms anchored to the mullions to create the supporting grid

GammaWall panels are subsequently installed from the outside, fixed and sealed onto the mullion and transom structure. This approach results in a lightweight, precise, and modular load-bearing structure, designed to accommodate large-format panels with high-end finishes, without creative limitations.

KEY ADVANTAGES:

	Design flexibility
	Sequential and orderly installation
	Ease of maintenance
	Excellent mechanical stability
	Compatibility with a wide range of materials

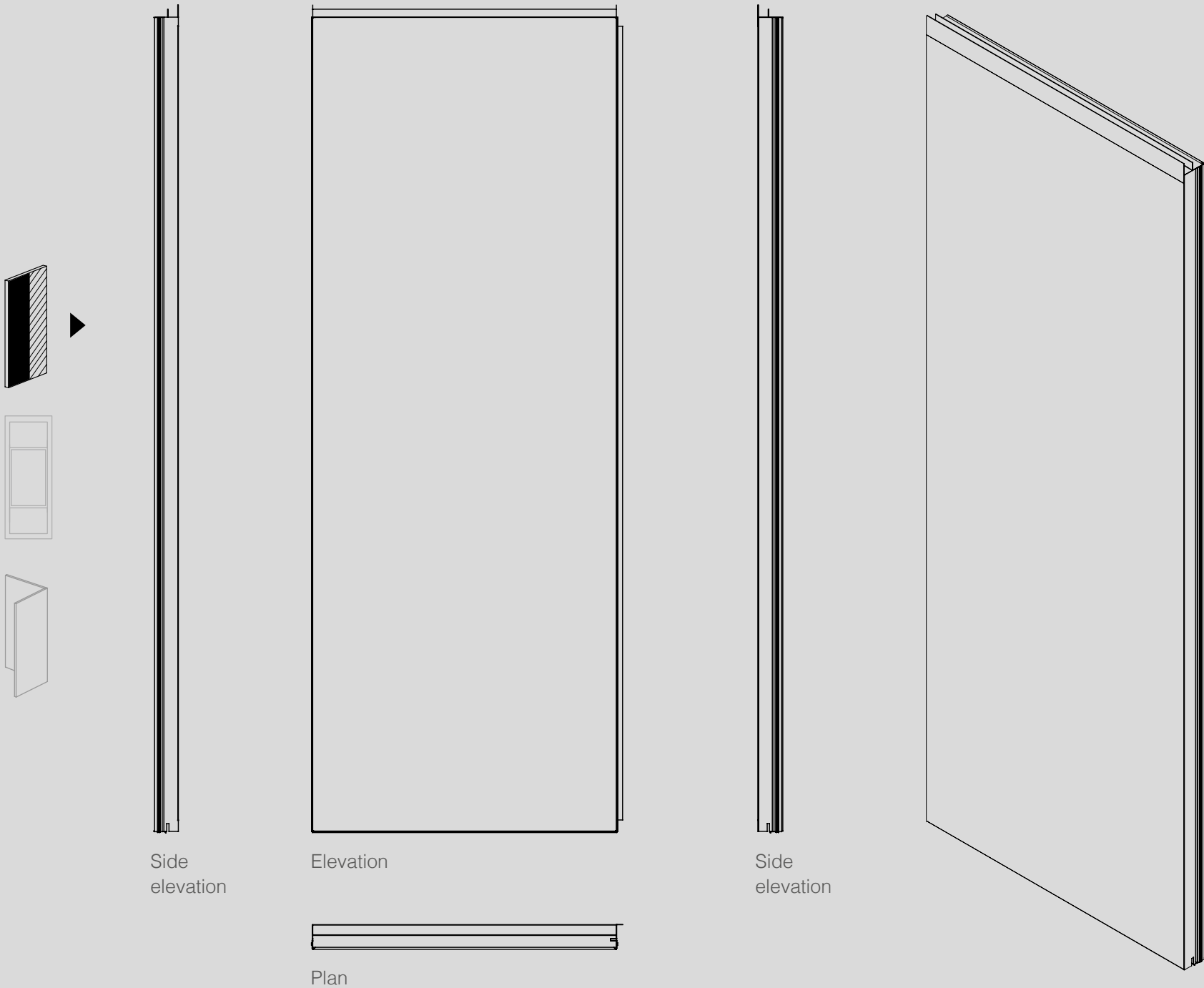




OPAQUE PANEL

Fully enclosed panel, entirely PRECAST and ready to be installed onto the mullion and transom structure.

It delivers exceptional flatness and precision, combined with infinite aesthetic customization options.



FEATURES



Perfect surface flatness



Infinite finishing possibilities



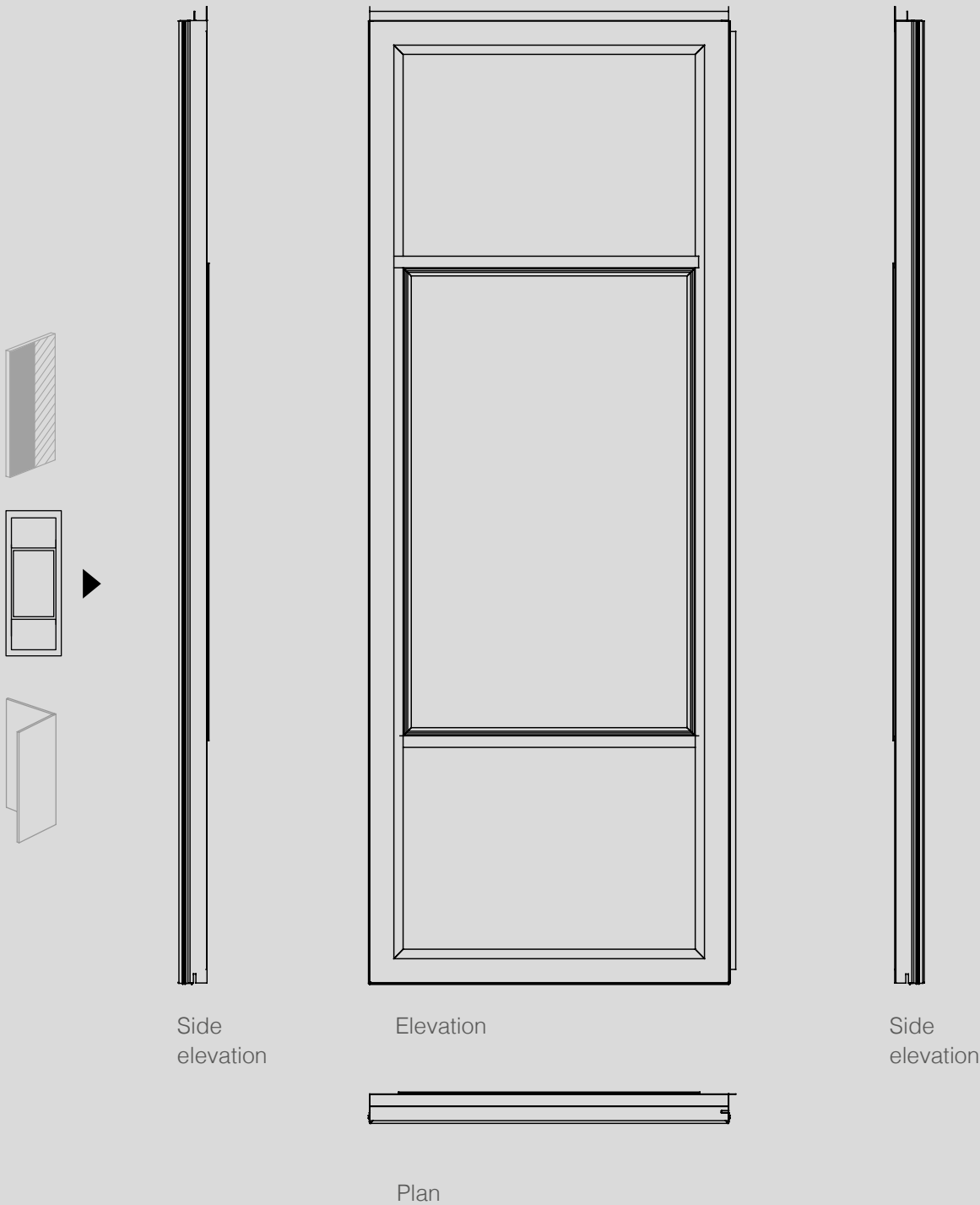
Ease of installation onto the supporting grid



PANEL WITH WINDOW

PRECAST panel with a factory-integrated window system, ready to be fixed directly onto the supporting structure.

The window can be operable or fixed, with customizable finishes and dimensions.



FEATURES



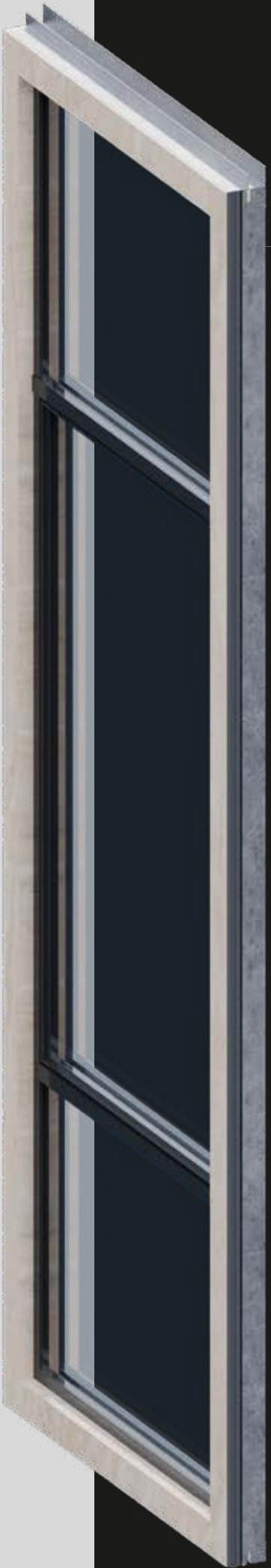
Window system installed and sealed in the factory



Precise reveal and minimal design



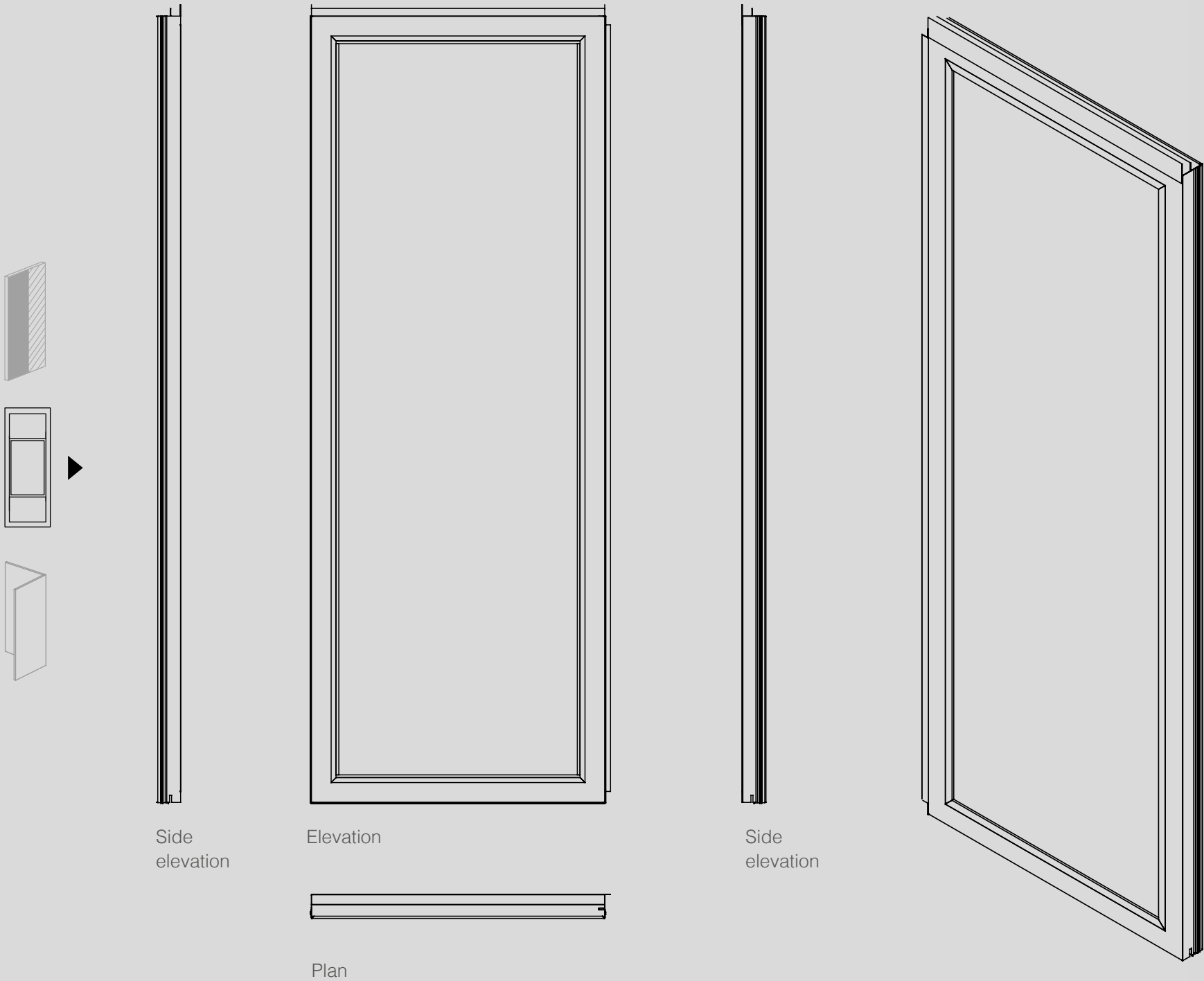
Aluminium or PVC window systems with slim profiles





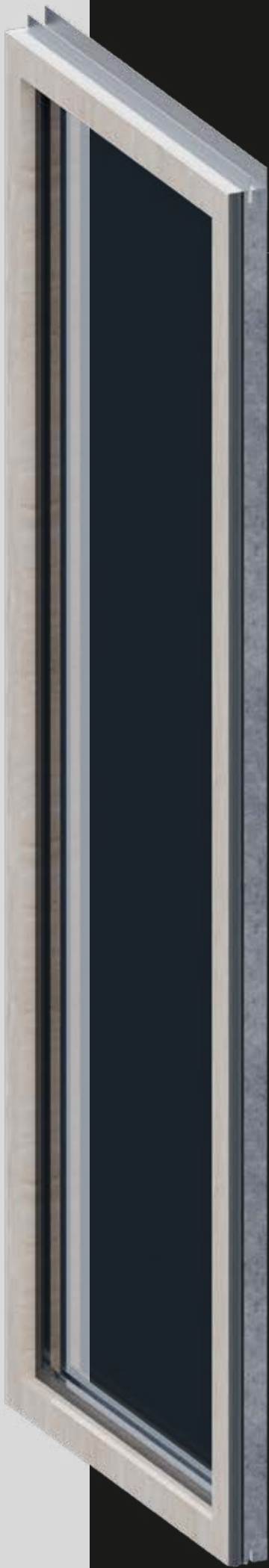
PANEL WITH FIXED GLAZING

Panel designed to accommodate a fixed glazed element, ensuring natural daylight and aesthetic continuity with opaque panels.



FEATURES

- ✓ Glazing selected according to project specifications
- ✓ Minimal reveal with clean lines
- ✓ Perfect air and water tightness





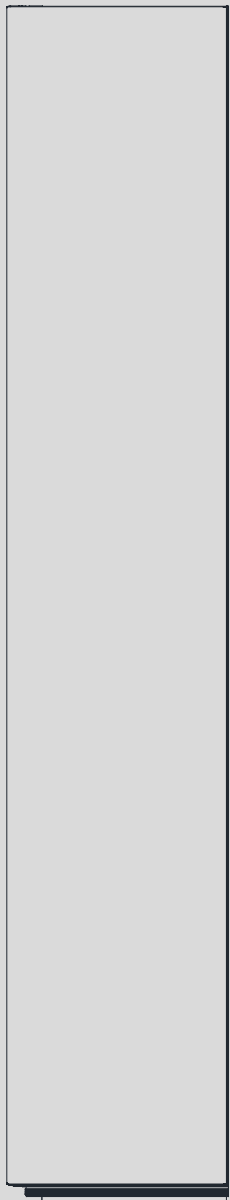
CORNER
PANEL

Single-piece PRECAST element designed to create monolithic corners with no visual interruptions.

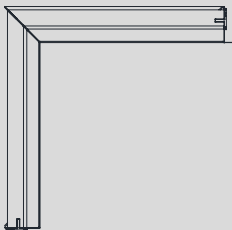
The continuity of the external cladding enhances the façade, amplifying the perception of solidity and prestige.



Elevation



Elevation



Plan



FEATURES



Seamless finish continuity across the entire surface



Striking monolithic effect



Ideal for high-end architectural projects



FINISHES

NYNOX AIR

Finishes are the aesthetic core of GammaWall and the true distinguishing element compared to traditional façade systems.

Thanks to exclusive technologies developed in our laboratories, each panel combines long-lasting technical performance with absolute creative freedom, offering architects virtually unlimited design possibilities.

Each panel is clad and protected with state-of-the-art materials and treatments, ensuring resistance to weathering, colour stability, ease of maintenance, and guaranteed durability exceeding 30 years in outdoor conditions.

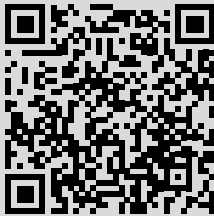
A premium-quality stainless steel sheet, perfectly flat, is decorated using ultra-high-definition digital printing technology and protected by a special surface treatment that ensures resistance to UV rays, rain, smog, and salt spray.

Aesthetic and functional advantages:

- Faithful reproduction of any natural material or graphic pattern, including marble, granite, stone, wood, and fully customized textures
- Smooth and uniform surface with a realistic material effect, scratch resistance, and easy cleaning
- Availability of very large formats



Marble Concrete Metal Wood Fabric



CHOOSE FROM 488 FINISHES
NYNOX - AIR



WALL AIR+

The GammaWall Air+ system with GammaStone panels combines the authentic elegance of marble and granite with a lightweight, high-performance technological structure that facilitates installation and enhances overall performance. It delivers durability, resistance to weathering, and a distinctive aesthetic impact, making it ideal for high-end architectural projects.



TECHNICAL DETAILS

GammaWall System details represent the synthesis of engineering precision and construction simplicity: solutions designed to ensure aesthetic continuity, air and water tightness, insulation, and long-term durability, while also facilitating system installation and maintenance.



VERTICAL
section



HORIZONTAL
section



HORIZONTAL WINDOW
section



VERTICAL WINDOW
section



CORNER
section

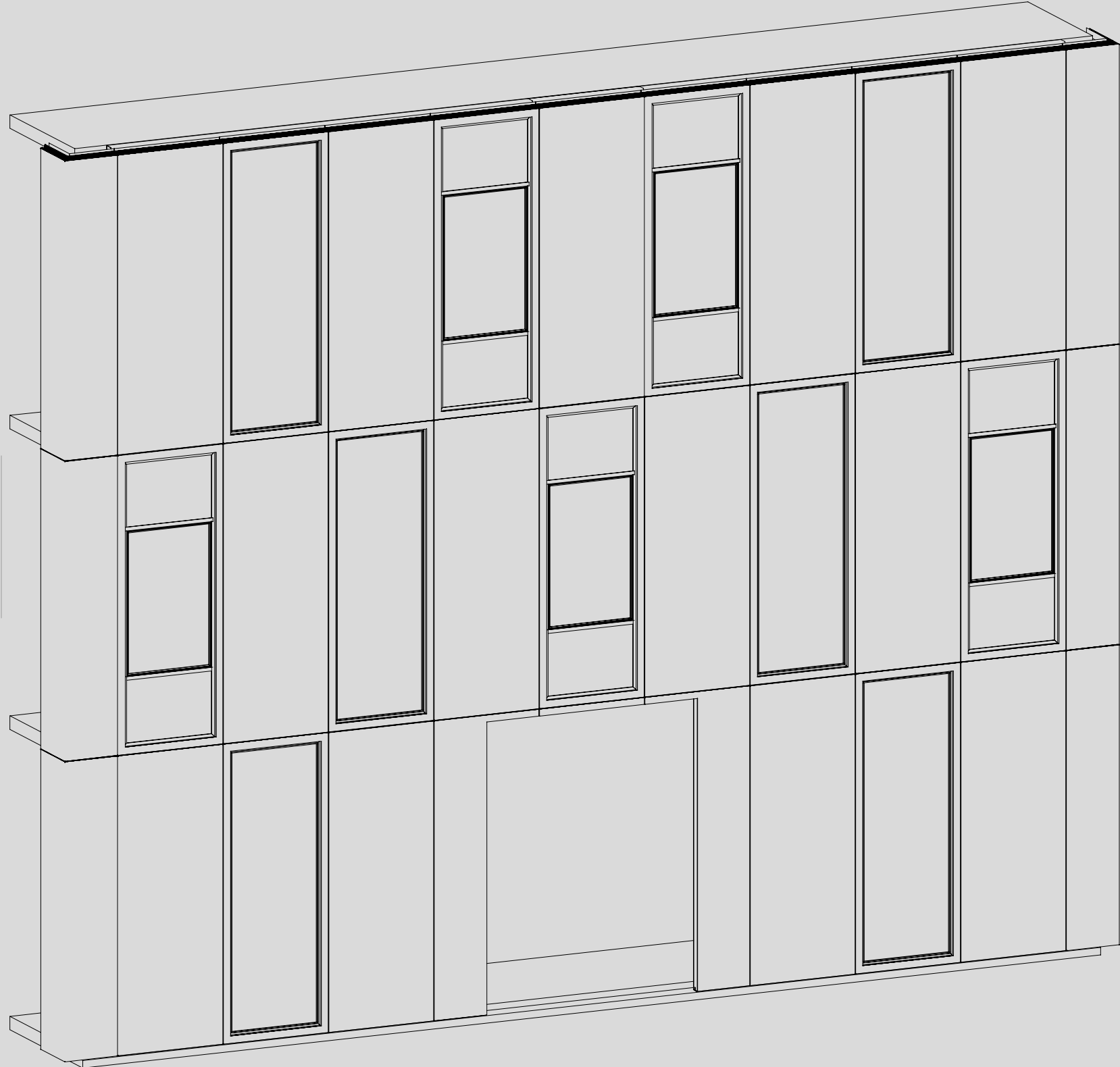


UNITIZED SYSTEM

The GammaWall+ UNITIZED system with GammaStone panel finish is the only system in the world to offer PRECAST panels featuring real stone, UHPC, or other high-end finishes installed on the exterior, fully assembled and finished in the factory.

The external surface consists of an additional GammaStone AIR+ panel, mechanically fixed to the GammaWall module structure by means of clips and horizontal rails.

This innovative design creates an air cavity between the GammaStone panel and the internal insulated panel, improving thermal performance and providing additional protection to the façade.



KEY ADVANTAGES:



GammaStone panel



Quick replaceability



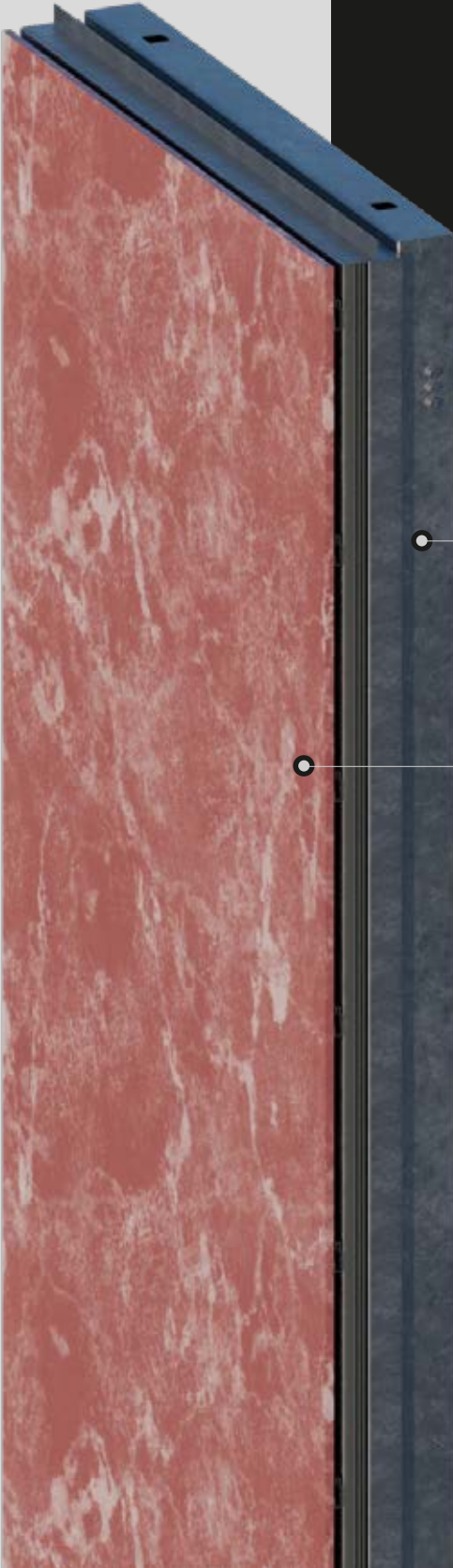
Additional protective shielding



Ventilated air cavity

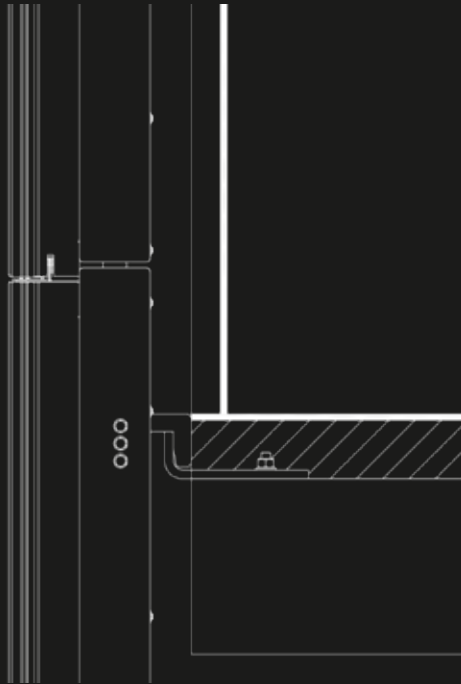


Fully PRECAST system



Load-bearing structure

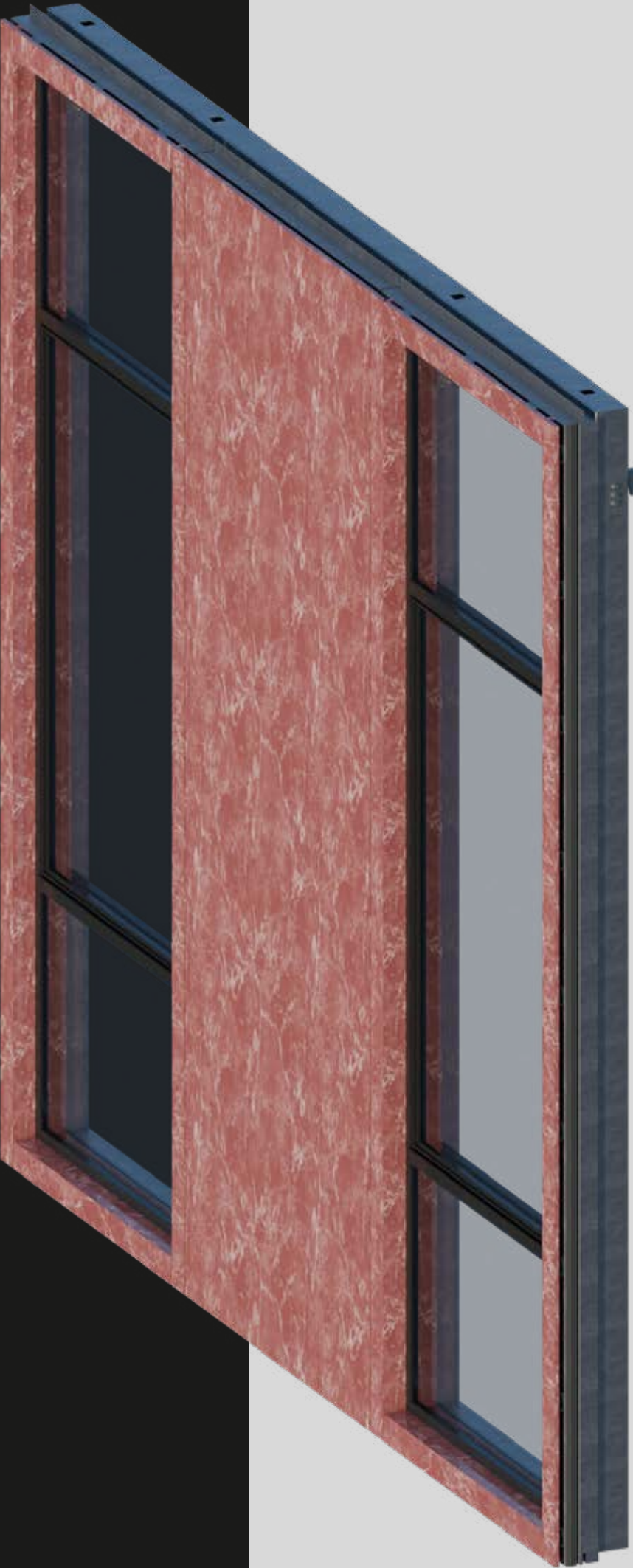
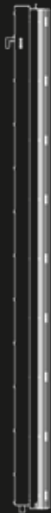
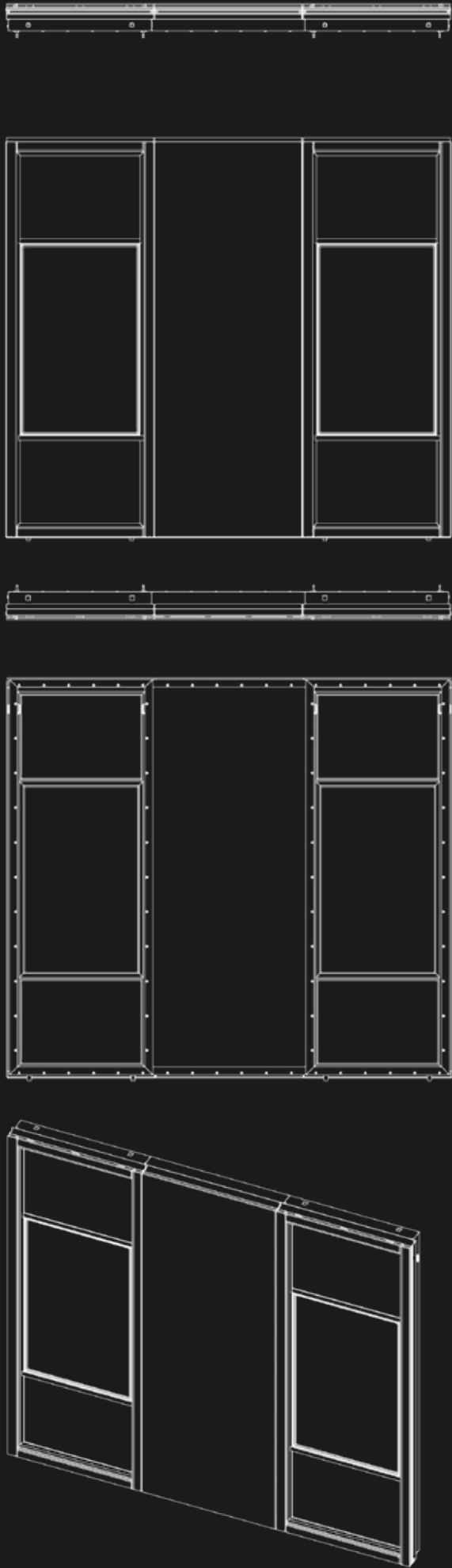
GammaStone panel



6X4 M WALL

Fully enclosed wall, entirely
manufactured and finished in the factory.

Delivered to site ready for installation.

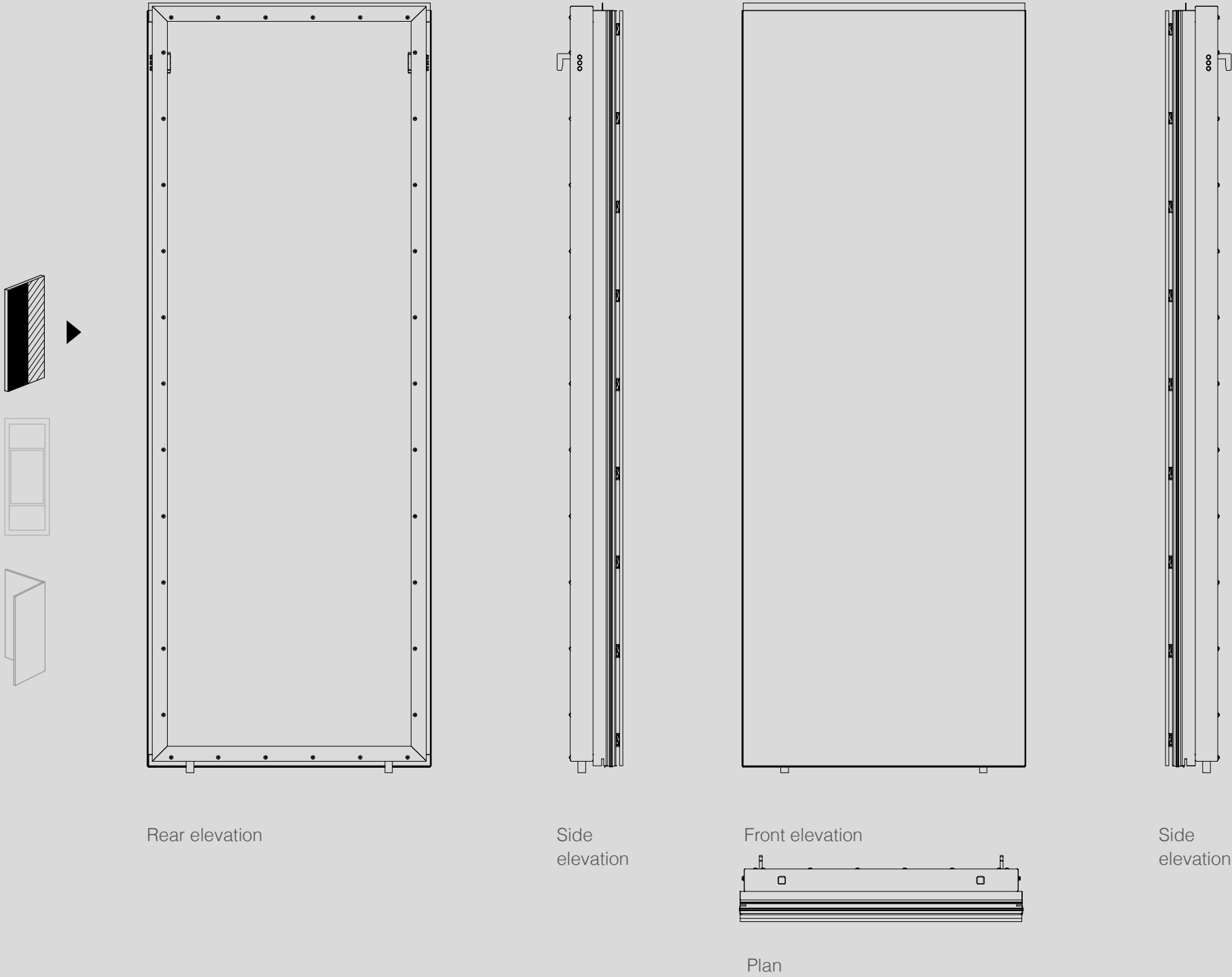




OPAQUE PANEL

Fully enclosed panel, entirely manufactured in the factory, with a mechanically fixed GammaStone panel.

It ensures perfect flatness, continuous veining, and outstanding material quality.



FEATURES

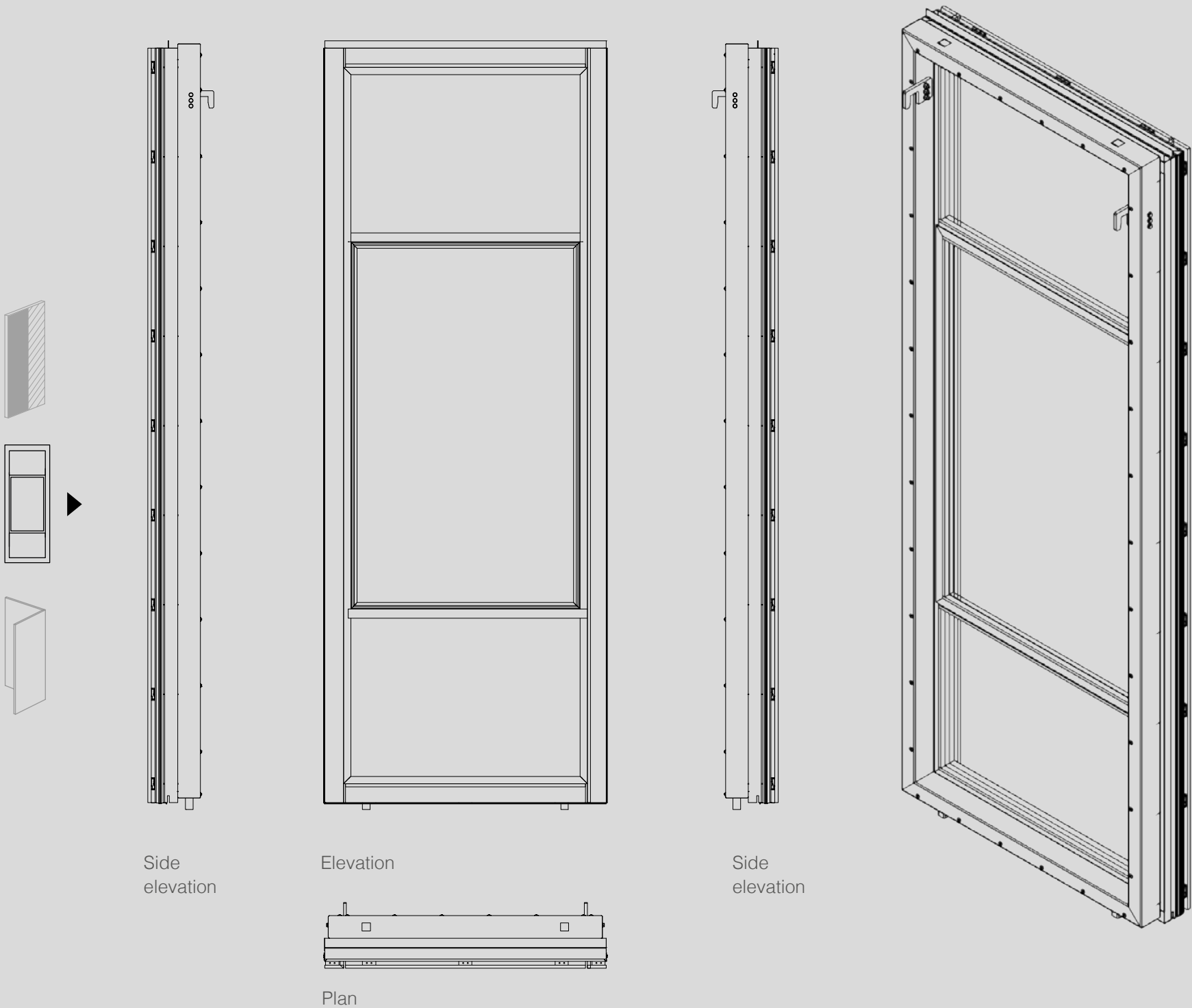
- ✓ Authentic material expression of the panel
- ✓ Wide range of materials and surface treatments
- ✓ Superior mechanical resistance thanks to the structural backing





PANEL WITH WINDOW

Version of the opaque panel with a window system integrated in the factory, externally finished with the selected GammaStone finish.



FEATURES



Complete sealing between the window system and the panel



Monolithic reveal

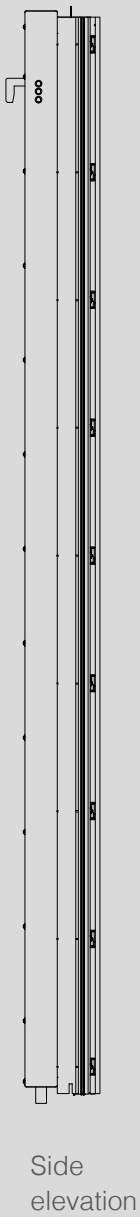
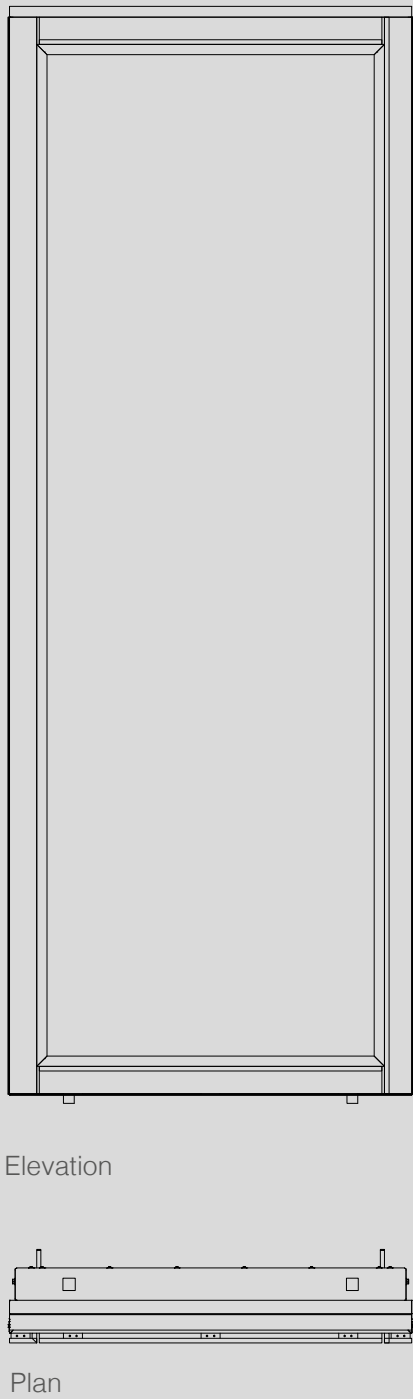
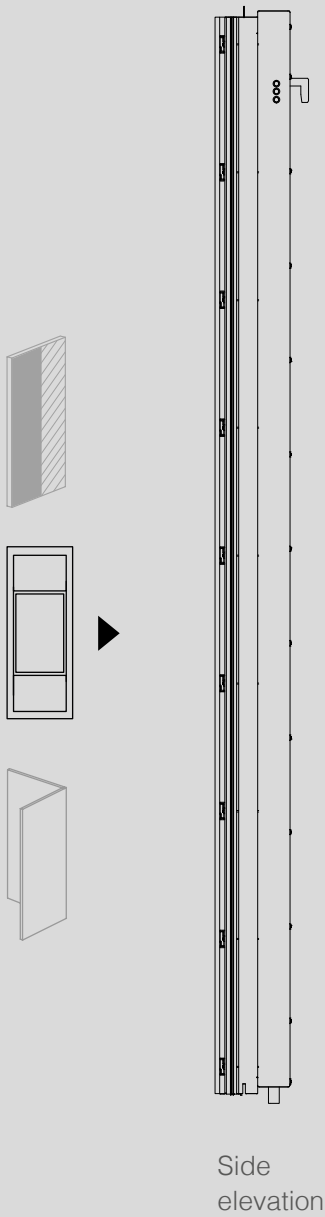


Aluminium or PVC window systems, with optional opening configurations on request



PANEL WITH FIXED GLAZING

Panel integrating a fixed glazed element, while maintaining an external frame finished with the GammaStone panel.



FEATURES



Perfect aesthetic continuity between panel and glazing



Monolithic reveal

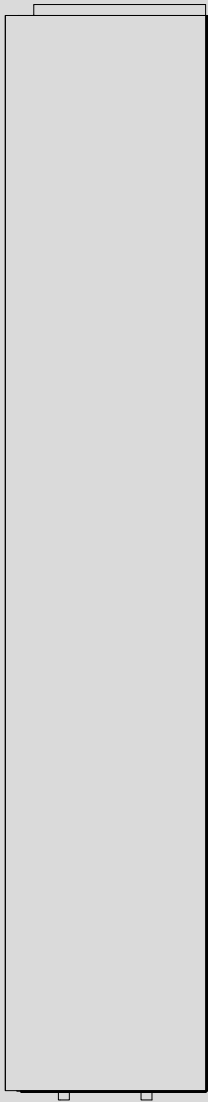


Glazing selected according to the designer's specifications

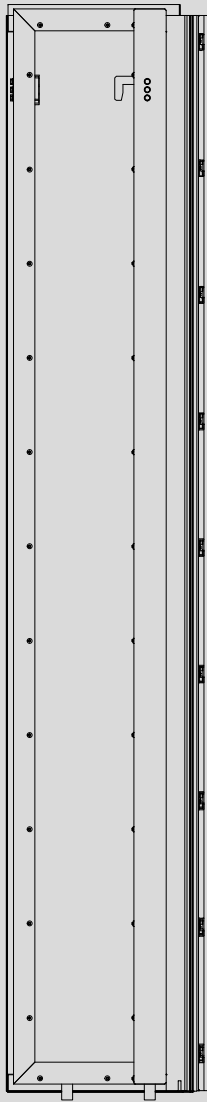


CORNER PANEL

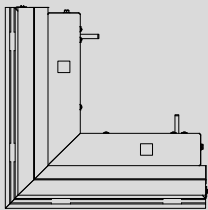
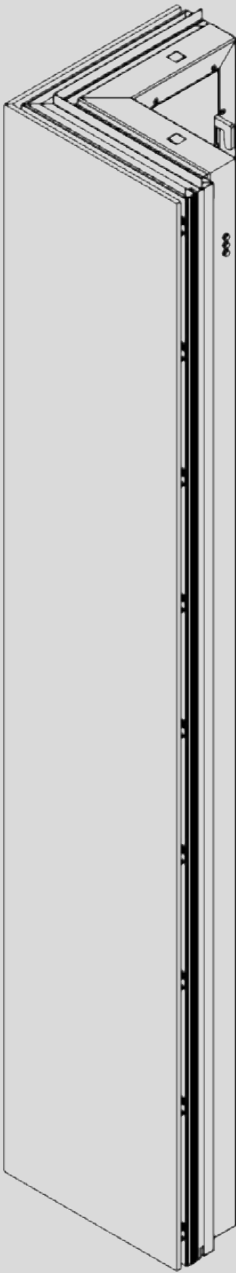
Monolithic element with a continuous finish extending across the corner, creating a monumental, high-end effect.



Elevation



Elevation



Plan

FEATURES



Continuous veining across both sides



High-impact monolithic effect

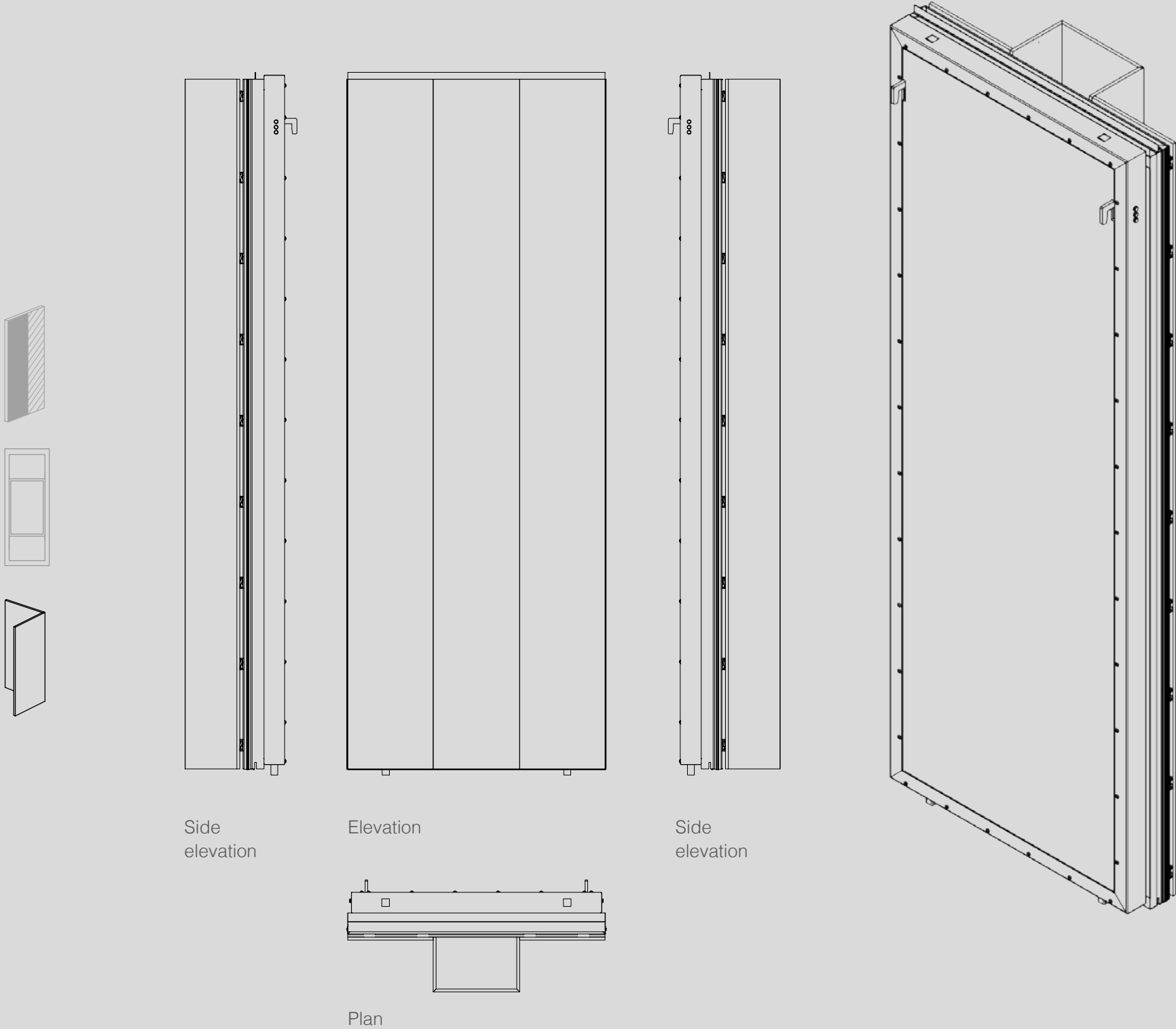


Ideal for iconic and representative architectural projects



PANEL WITH A
THREE-DIMENSIONAL
MONOLITHIC ELEMENT

Panel with a three-dimensional monolithic element, designed to create material continuity and architectural depth by integrating special volumes and geometries directly into the GammaWall system, without compromising performance or PRECAST manufacturing.



FEATURES



Integrated three-dimensional material continuity



High-precision monolithic precast element



Seamless architectural impact



MULLION AND TRANSOM SYSTEM

The GammaWall mullion and transom system is inspired by the well-established techniques used by façade specialists for aluminium curtain wall systems, refined and optimized to integrate seamlessly with GammaWall PRECAST panels.

In this system, the supporting structure is installed on site prior to panel installation:

- Vertical mullions fixed directly to the building's load-bearing structure
- Horizontal transoms anchored to the mullions to form the supporting grid

GammaWall panels are subsequently installed from the exterior, fixed and sealed onto the mullion and transom structure. This approach results in a lightweight, precise, and modular load-bearing framework, designed to accommodate large-format panels with high-end finishes, without creative limitations

KEY ADVANTAGES:

	Design flexibility
	Sequential and orderly installation
	Ease of maintenance
	Excellent mechanical stability
	Compatibility with a wide range of materials

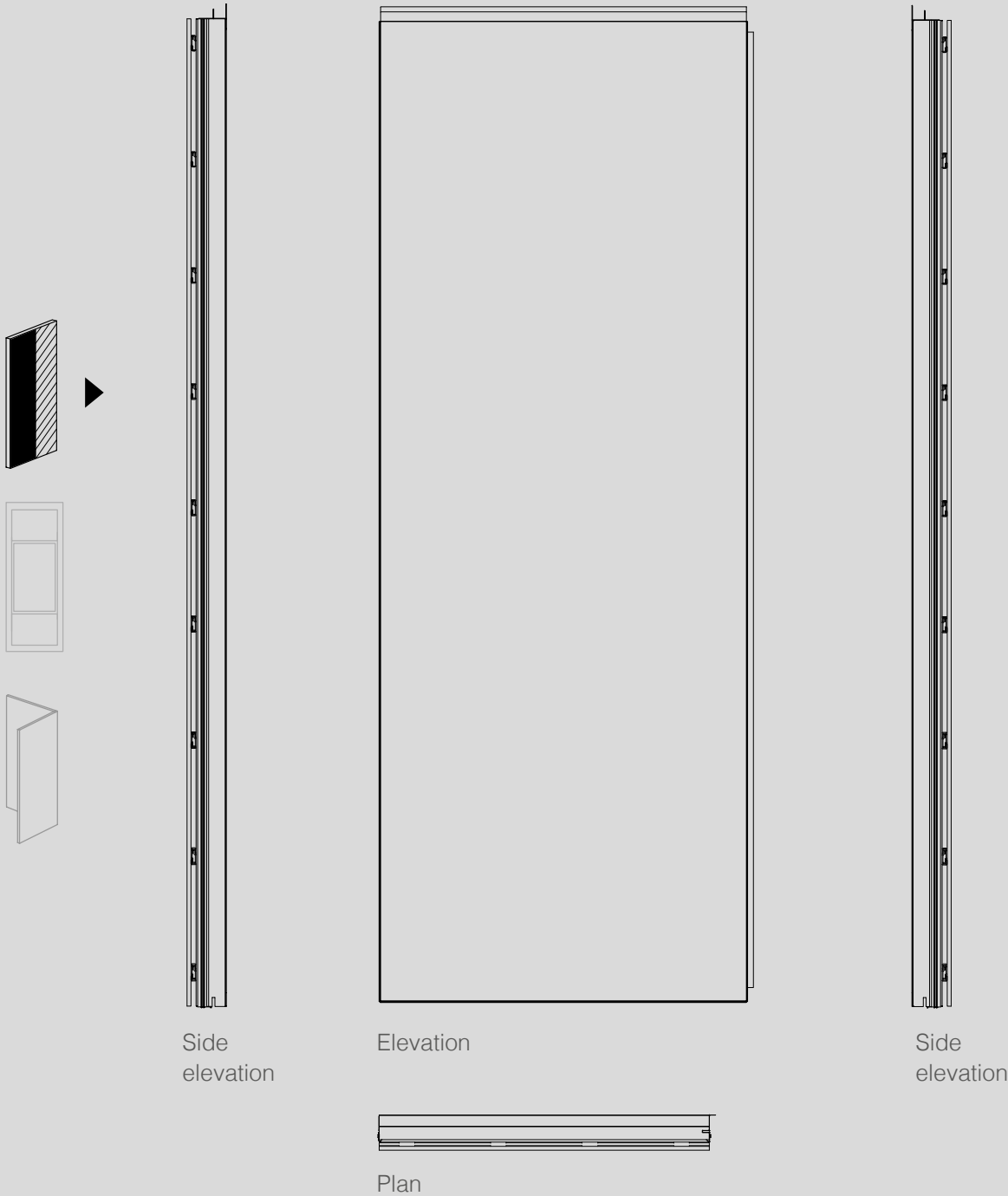




OPAQUE PANEL

Fully enclosed panel, entirely manufactured in the factory, with a mechanically fixed GammaStone panel.

It ensures perfect flatness, continuous veining, and outstanding material quality.



FEATURES



Perfectly flat surface



Infinite finishing possibilities



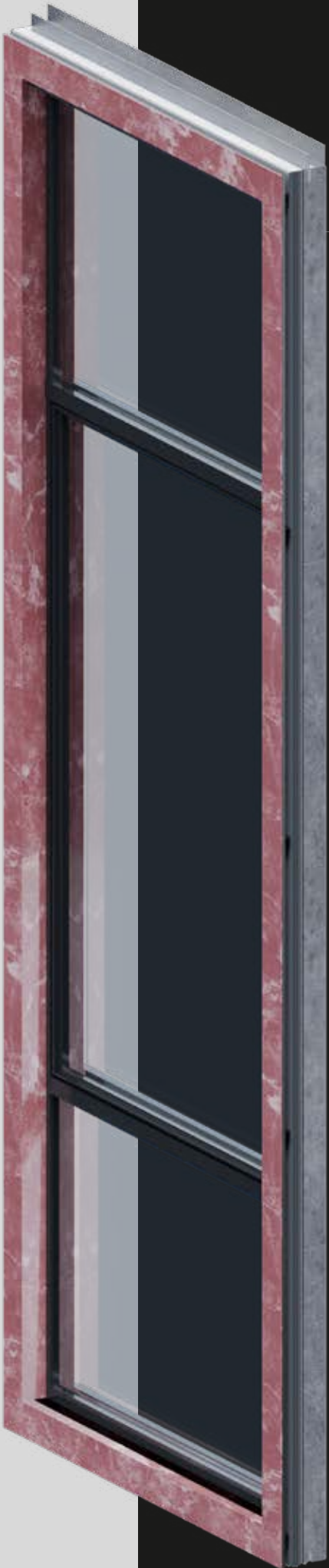
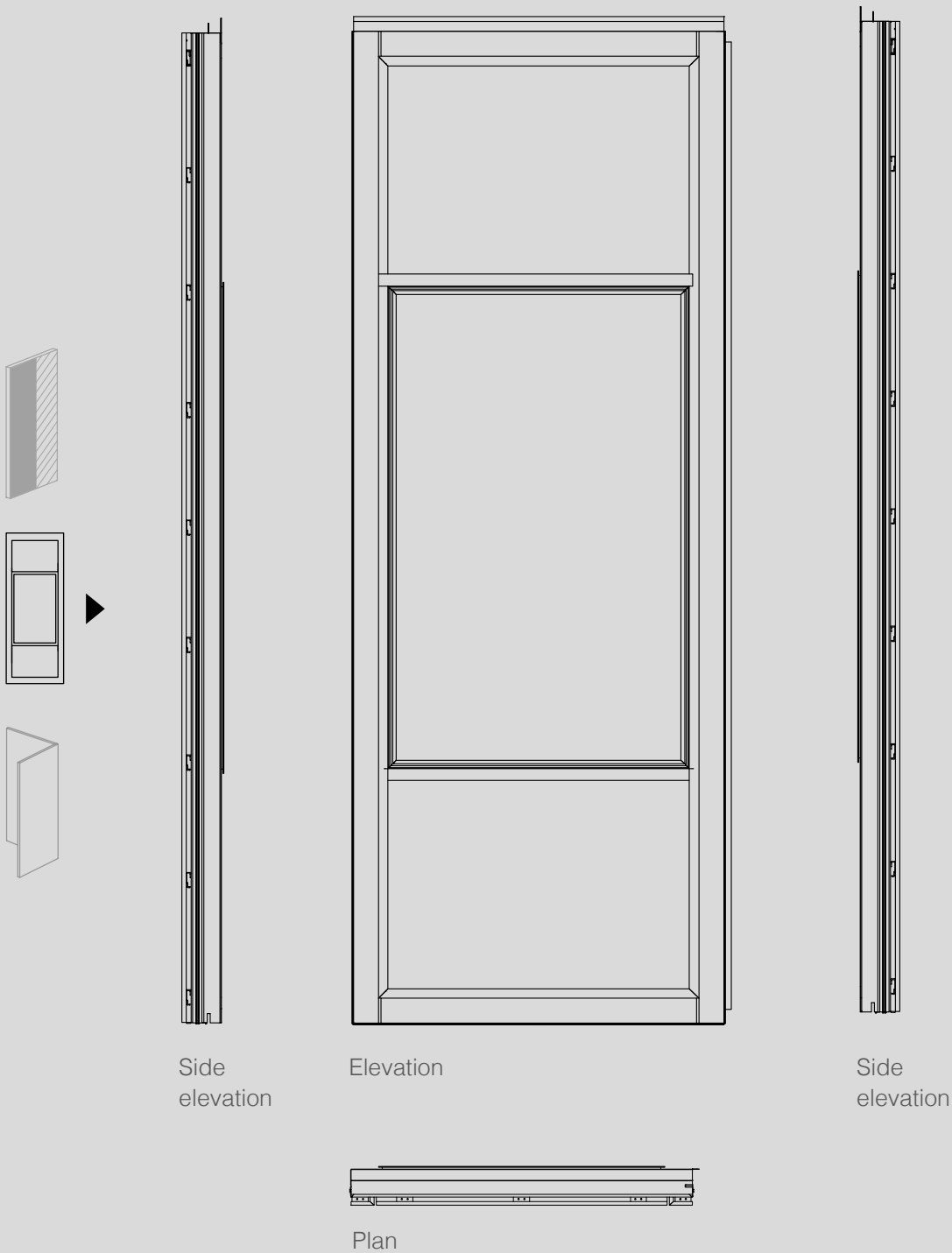
Ease of installation onto the supporting grid



PANEL WITH WINDOW

Precast panel with a factory-integrated window system, ready to be fixed directly onto the supporting structure.

The window can be operable or fixed, with customizable finishes and dimensions.



FEATURES



Window system installed and sealed in the factory



Monolithic reveal

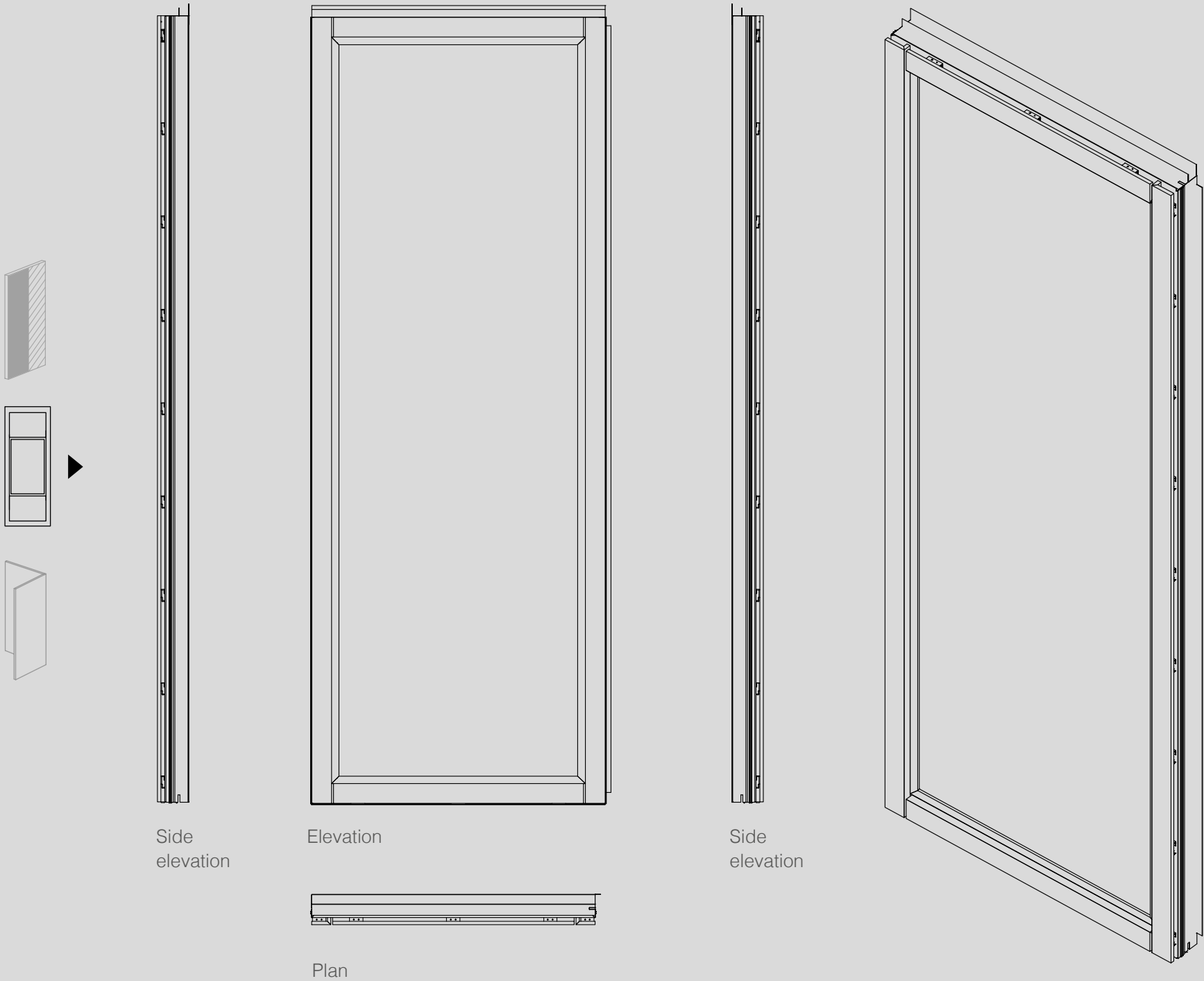


Aluminium or PVC window systems with slim profiles



PANEL WITH FIXED
GLAZING

Panel designed to accommodate a fixed glazed element, ensuring natural daylight and aesthetic continuity with opaque panels.



FEATURES



Glazing selected according to project specifications



Monolithic reveal



Perfect air and water tightness





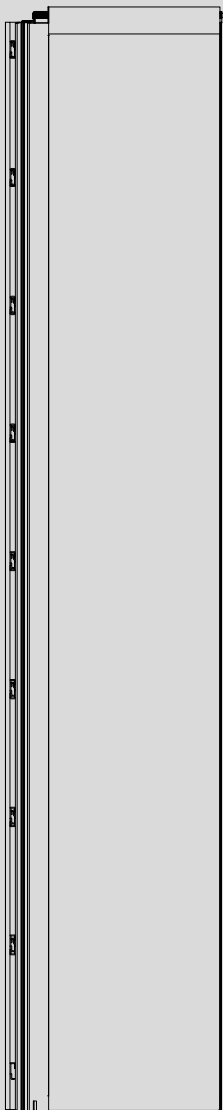
CORNER
PANEL

Single-piece precast element designed to create monolithic corners with no visual interruptions.

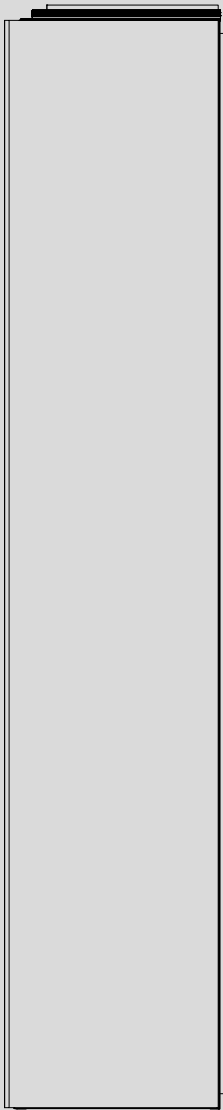
The continuity of the external cladding enhances the façade, amplifying the perception of solidity and prestige.



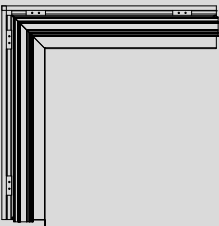
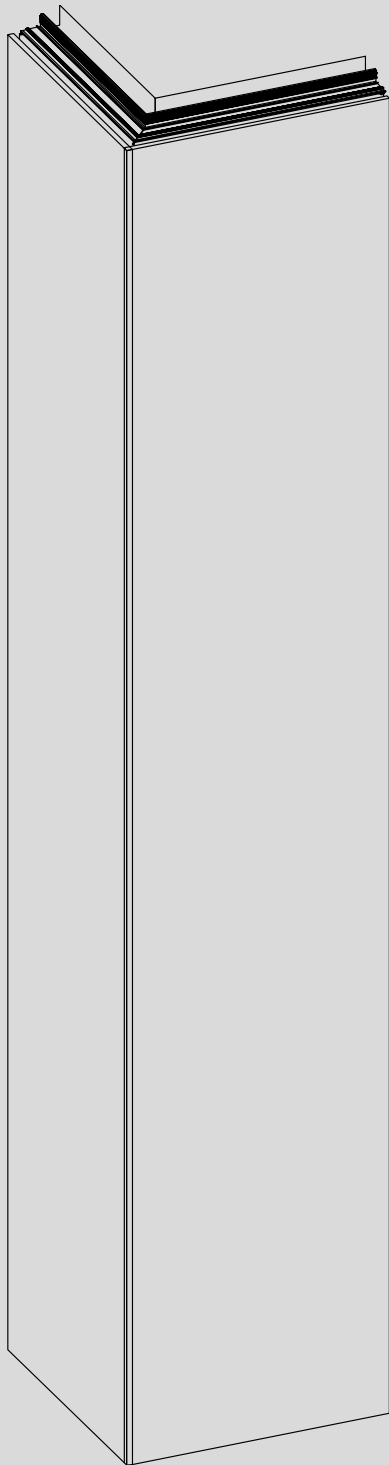
Elevation



Elevation



Elevation



Plan

FEATURES



Seamless finish continuity across the entire surface



Striking monolithic effect



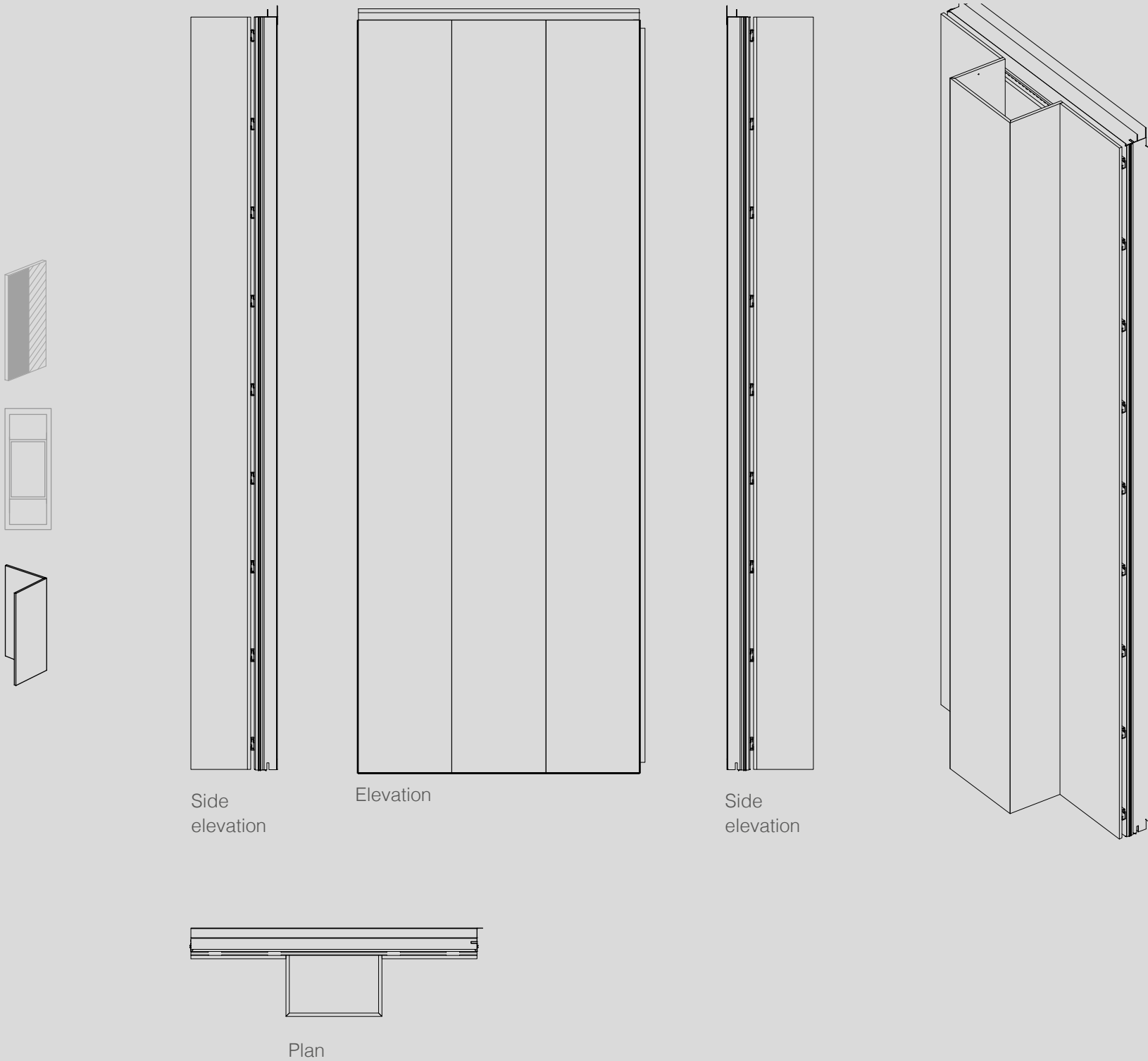
Ideal for high-end architectural projects





PANEL WITH A THREE-DIMENSIONAL MONOLITHIC ELEMENT

Panel with a three-dimensional monolithic element, designed to create material continuity and architectural depth by integrating special volumes and geometries directly into the GammaWall system, without compromising performance or PRECAST manufacturing.



FEATURES

- | | |
|-------------------------------------|--|
| ☒ | Integrated three-dimensional material continuity |
| ☒ | High-precision monolithic PRECAST element |
| ☒ | Seamless architectural impact |

CLADDING FINISHES

GAMMASTONE AIR

Finishes represent the aesthetic soul of GammaWall Air+ and the true distinguishing element compared to traditional façade systems. Thanks to exclusive technologies developed in our laboratories, each panel combines long-lasting technical performance with absolute creative freedom, offering architects virtually unlimited design possibilities. Each panel is clad and protected with state-of-the-art materials and treatments, ensuring resistance to weathering, colour stability, ease of maintenance, and guaranteed durability exceeding 30 years in outdoor conditions.



NATURAL AIR

NATURAL STONE

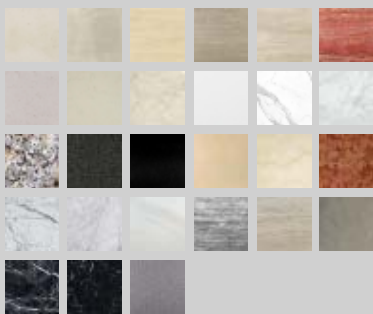
Marble, granite, or premium stone slabs applied to a lightweight technological backing.

Features:

Authentic material expression with natural veining

Wide range of surface finishes (polished, honed, brushed, bush-hammered)

Enhanced mechanical resistance thanks to the structural support



UHPC PLUS AIR

UHPC (ULTRA HIGH PERFORMANCE CONCRETE)

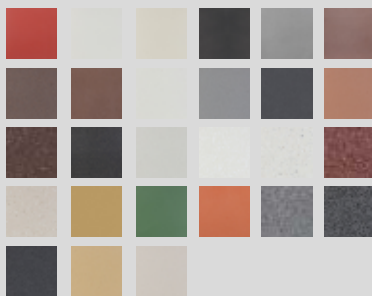
High-performance fibre-reinforced concrete cladding, ideal for modern, durable façades.

Features:

Exceptional mechanical strength and durability

Wide range of colours and surface textures

Low porosity and excellent resistance to weathering



GLASS AIR

GLASS

Surface in tempered or laminated glass, screen-printed or enamelled, designed for façades with a contemporary architectural expression.

Features:

Unique luminosity and reflective qualities

Custom screen-printing options

High resistance to impact and UV radiation



BRICK AIR

BRICK

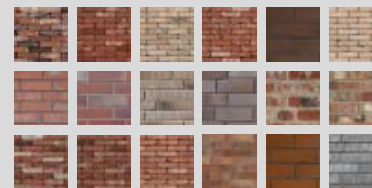
External cladding in thin brick, ideal for combining tradition and advanced technology.

Features:

Timeless material appearance

Weather resistance and low maintenance

Customizable colours and formats



GRES AIR

PORCELAIN STONEWARE

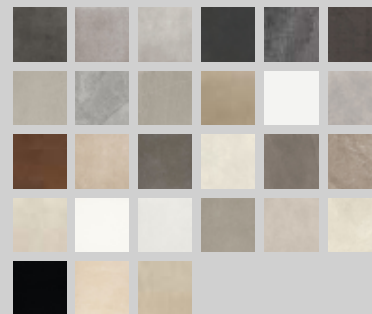
Large-format ceramic slabs, lightweight and high-performance, ideal for versatile façade finishes.

Features:

Wide range of textures: stone, wood, concrete, and metal effects

Scratch- and stain-resistant surface

Reduced weight and excellent dimensional stability





MAINTENANCE AND REPLACEABILITY

A SYSTEM DESIGNED TO LAST
OVER TIME

GammaWall panels are designed
to allow:

- ☒ REPLACEMENT OF INDIVIDUAL
MODULES WITHOUT INVASIVE
INTERVENTIONS
- ☒ EASE OF INSPECTION AND
MAINTENANCE
- ☒ REDUCED LONG-TERM BUILDING
OPERATING AND MAINTENANCE
COSTS



SUSTAINABILITY

ENERGY EFFICIENCY AND
REDUCED ENVIRONMENTAL
IMPACT

GammaWall contributes to:

REDUCING THE BUILDING'S
ENERGY CONSUMPTION



LIMITING MATERIAL WASTE
ON SITE



IMPROVING THE LIFE CYCLE
OF THE BUILDING ENVELOPE



PROMOTING A FASTER, CLEANER, AND MORE
CONTROLLED CONSTRUCTION PROCESS





Projects



INDIANA UNIVERSITY HEALTH HOSPITAL
Indianapolis, USA



OPAL RESIDENCES
346 Avenue U, Brooklyn



BVLGARI OCEAN MANSIONS
Dubai, United Arab Emirates



HUDSON SITE
Detroit, USA



REALE MUTUA ASSICURAZIONI
Turin, Italy



2102 EAST FIRST STREET
Brooklyn, New York



MALTZ PERFORMING ART CENTER
Cleveland, USA



VITA STUDENT
Newcastle, United Kingdom



TECHNICAL SPECIFICATION

USE	External walls, internal walls and ceilings
PANEL THICKNESS (MM)	120 - 240
COVER WIDTH (MM)	1450
LENGTH (MM)*	From 3000 up to 4500
MAX. ACHIEVABLE FIRE RESISTANCE (EN 14509)	EI 45 - EI 120
THERMAL TRANSMITTANCE (W/M2 K)	0.40 - 0.15
INSULANT CORE	Non-combustible mineral wool Class A1
COATING	Standard coating PVDF or GammaStone Air
EXTERNAL FACING	Stainless steel, thickness: 0.80 mm
INTERNAL FACING	Galvanized Steel, thicknesses: 0.80 mm
REACTION TO FIRE	A2-s1, d0
WATER PERMEABILITY	Defined on a project-by-project basis
AIR PERMEABILITY	Defined on a project-by-project basis
WATER VAPOUR PERMEABILITY	Impermeable



CONTACTS

PRODUCTION PLANT

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