

INTENDED USES





## Certified company of industrialized and integrated building systems

GammaBuild represents an advanced model of design and construction, built on over 50 years of industrial experience and an approach focused on technological innovation and execution quality.

The company develops advanced building systems that integrate design, engineering, production, and construction, ensuring high standards in terms of performance, reliability, and control of the entire process.

International clients and partners recognize GammaBuild solutions for their construction quality, application versatility, and ability to adapt to complex projects, both in residential contexts and large-scale developments.

Thanks to consolidated expertise in materials and construction technologies, GammaBuild enhances every project through the use of advanced engineering solutions and industrialized production processes.

The systems developed enable the integrated use of innovative, high-performance materials, including structural steel, advanced cements, and cutting-edge technological components, ensuring strength, durability, efficiency, and architectural quality.

GammaBuild solutions are designed to adapt to any architectural language, offering maximum design flexibility and high performance in both interior and exterior applications, in contemporary as well as traditional contexts.



**320.000**

Sqft Production facility

**50**

Years of Experience

**2**

Production Site

**100%**

Made in Italy



## FULLY AUTOMATED ROBOTIZED PRODUCTION

GammaBuild production is based on industrialized and highly automated processes, supported by advanced machinery and robotic systems that ensure precision, repeatability, and quality control at every stage. Activities typically carried out on-site in a manual manner are instead transferred to a controlled environment, including component preparation, structural processing, assembly, and finishing.







**Production Plant**  
GammaStone - Production Plant Loc. Quartaccio  
Strada provinciale 74, km 1,45 01034 Fabrica di Roma (VT) Italy

This approach makes it possible to reduce the variability typical of traditional processes, improving execution accuracy, production times, and final product quality.

Off-site production also enables constant control of operations, ensuring high standards and continuity of performance across all projects, regardless of their scale or complexity.



-  ROBOTIC PRODUCTION
-  MILLIMETRIC PRECISION
-  REINFORCED CONCRETE STRUCTURE
-  INNOVATION AND SUSTAINABILITY

## New construction system

PreBuild ARM™ technology transforms construction into an industrialized, precise, and controlled process, thanks to advanced robotics and modular reinforced concrete production.



## THE EVOLUTION OF CONSTRUCTION

A new industrial approach to construction makes it possible to reduce timelines, increase precision, and make projects more predictable, sustainable, and scalable compared to traditional building methods.

**-20%**

### AVERAGE CONSTRUCTION COST

Industrialized production and process control help reduce waste and inefficiencies, with a direct impact on the overall project cost.

**+90%**

### SITE PREDICTABILITY

Standardized and planned processes reduce operational variability, providing greater certainty in timelines, costs, and final quality.

**+80%**

### CONSTRUCTION SPEED

Off-site manufacturing of components makes it possible to anticipate construction phases and drastically reduce on-site timelines, accelerating project delivery.

**+60%**

### OVERALL PROJECT SUSTAINABILITY

Reduced waste and minimized on-site work make the construction process more efficient from an environmental standpoint.

**+90%**

### DIMENSIONAL TOLERANCES

Production in a controlled environment ensures millimetric precision, impossible to achieve with traditional on-site construction methods.

**+90%**

### SYSTEM SCALABILITY

An industrialized system allows replication of the same quality standards across projects of different scales, maintaining consistent performance and reliable timelines even for large volumes.



## System Value

100% prefabricated, a structural module entirely manufactured in the factory, complete with reinforcements, systems, fixtures, floors, and walls.

### DIMENSIONAL STANDARDS AND REGULATIONS

The GammaBuild system complies with all international standards, offering tailored solutions and spaces designed to meet current market demands.

- FULL COMPLIANCE WITH INTERNATIONAL STANDARDS.
- SOLUTIONS OPTIMIZED FOR EVERY TYPE OF REQUIREMENT.
- MAXIMUM FLEXIBILITY GUARANTEED.

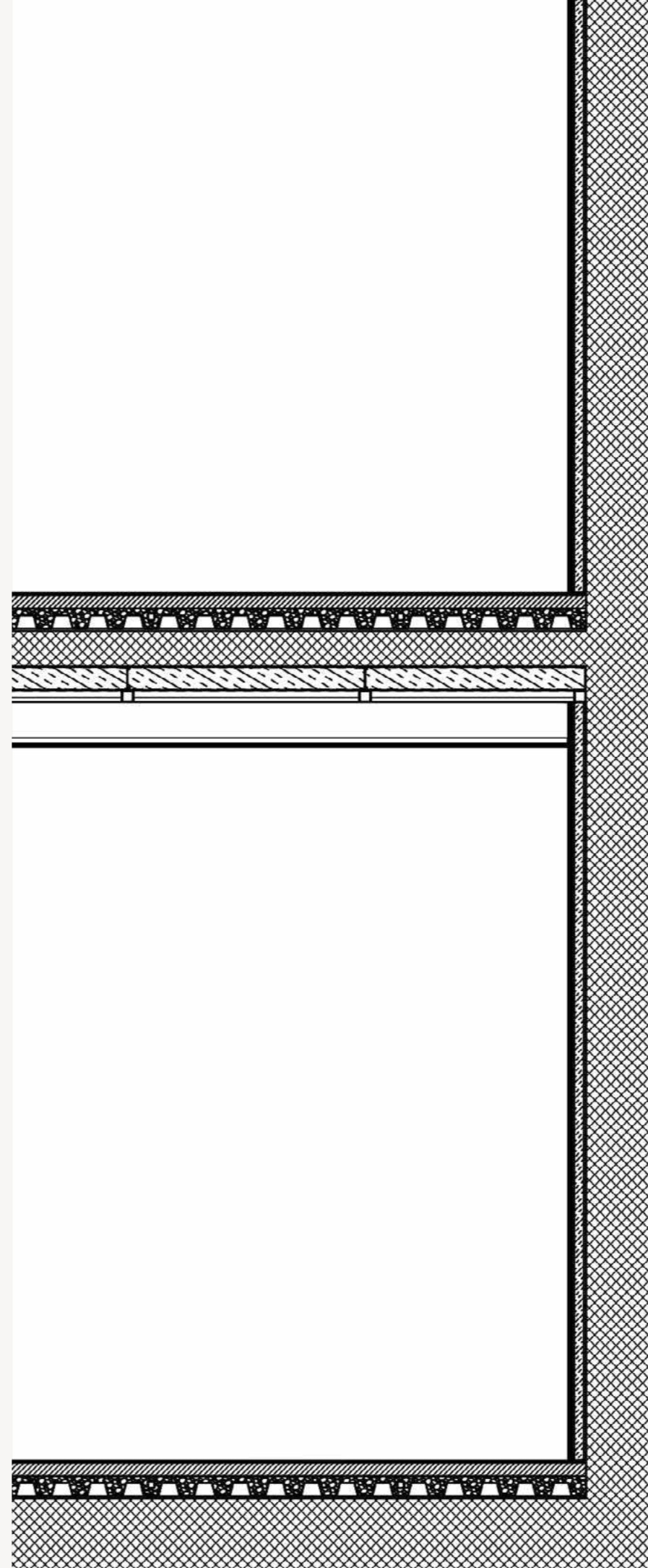
- STANDARDIZATION
- CONTROLLED INDUSTRIAL QUALITY
- REDUCED INSTALLATION TIMES




# A building designed to last for generations

## Construction in reinforced concrete and steel


Each GammaBuild project is carried out using a load-bearing structure in reinforced concrete and steel, designed to ensure maximum structural safety, long-term durability, and seismic resistance.




 Cemento armato

Reinforced concrete, combined with high-strength steel elements, represents the technological core of the building, enabling the creation of durable, high-performance, and customizable structures, adaptable to any architectural context. GammaBuild adopts an approach rooted in evolution, integrating the solidity of traditional construction techniques with the aesthetic and functional demands of contemporary living. The result is a structure that guarantees long-term value, safety for occupants, and minimal maintenance requirements.

 MAXIMUM SAFETY

 DURABILITY OVER TIME

 MINIMAL MAINTENANCE

 SEISMIC RESISTANCE



## Hybrid Structural Integration

GammaBuild integrates seamlessly with traditional reinforced concrete, allowing the construction of foundations, basements, and lobbies on-site, while upper floors are developed using the industrialized GammaBuild system.



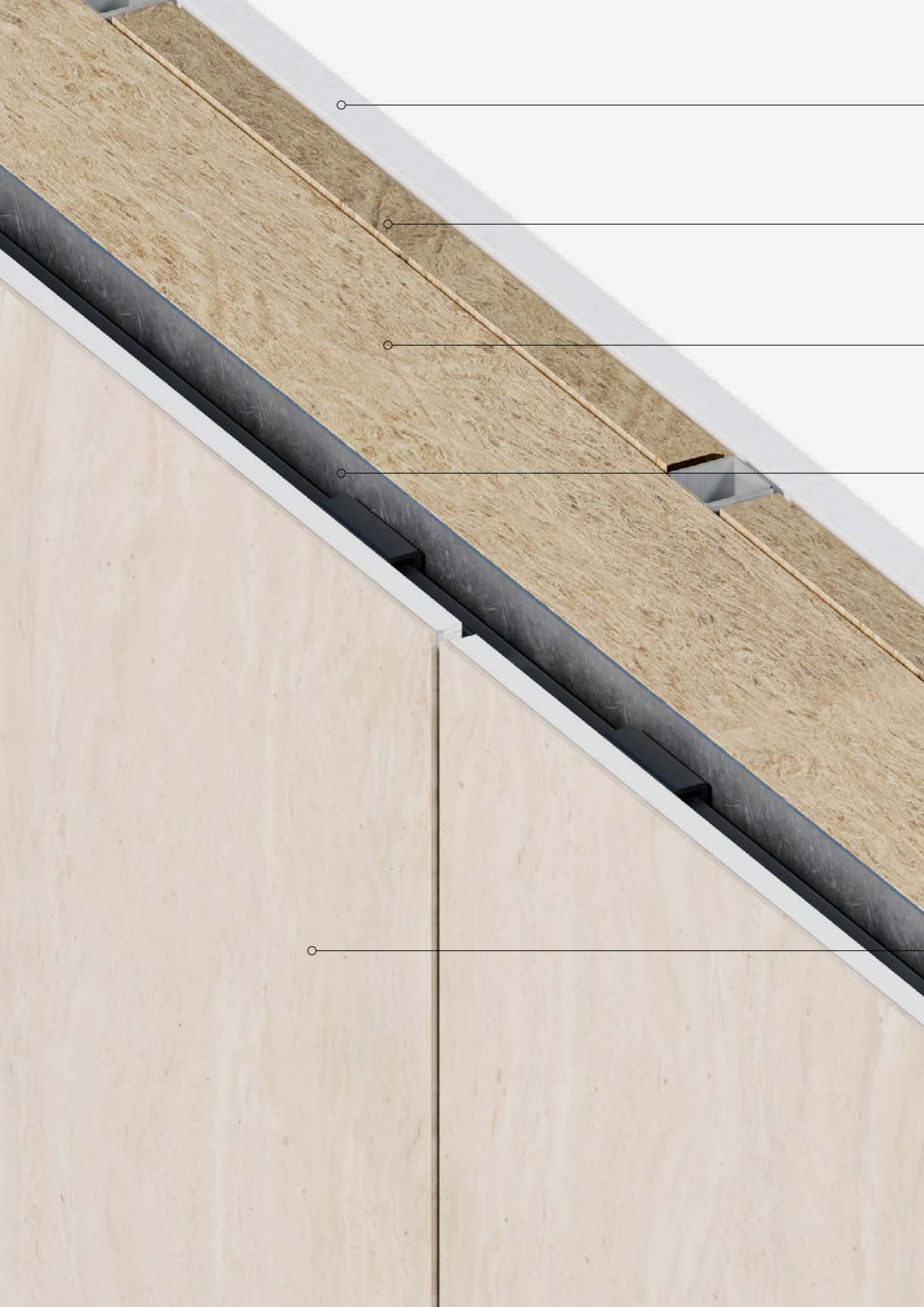
**GammaBuild**  
Structure

**Traditional**  
Structure

# Ventilated façade system

Our ventilated façades, the result of an extensive research process, provide an effective solution to the growing need for thermal and acoustic insulation in residential and working environments. With slim yet highly efficient structures and materials, they also ensure outstanding aesthetic quality.

This innovative system of cladding is developed in collaboration with leading and reliable companies in the sector. Together with our partners, we have achieved top performance in terms of insulation, protection against weather conditions, and reduction of external noise.



Fiber-reinforced gypsum  
25mm

Rock wool  
50 mm

Rock wool  
120 mm

Steel sheet

**GammaStone Air**  
Panel



GammaStone Air  
Panels

**MARBLE**  
**GRANITE**  
**PORCELAIN**  
**STONE**

# GammaLay façade system

The façade is a multi-layer dry system anchored to the reinforced concrete structure of the ModuloGamma. The supporting framework is made of galvanized steel with certified fixings for both static and dynamic loads.

The insulation consists of 120 mm rock wool, Class A2 non-combustible, ensuring high thermal and acoustic performance without the risk of flame propagation. The external substrate is Aquapanel® Outdoor board, Class A1, resistant to permanent moisture.

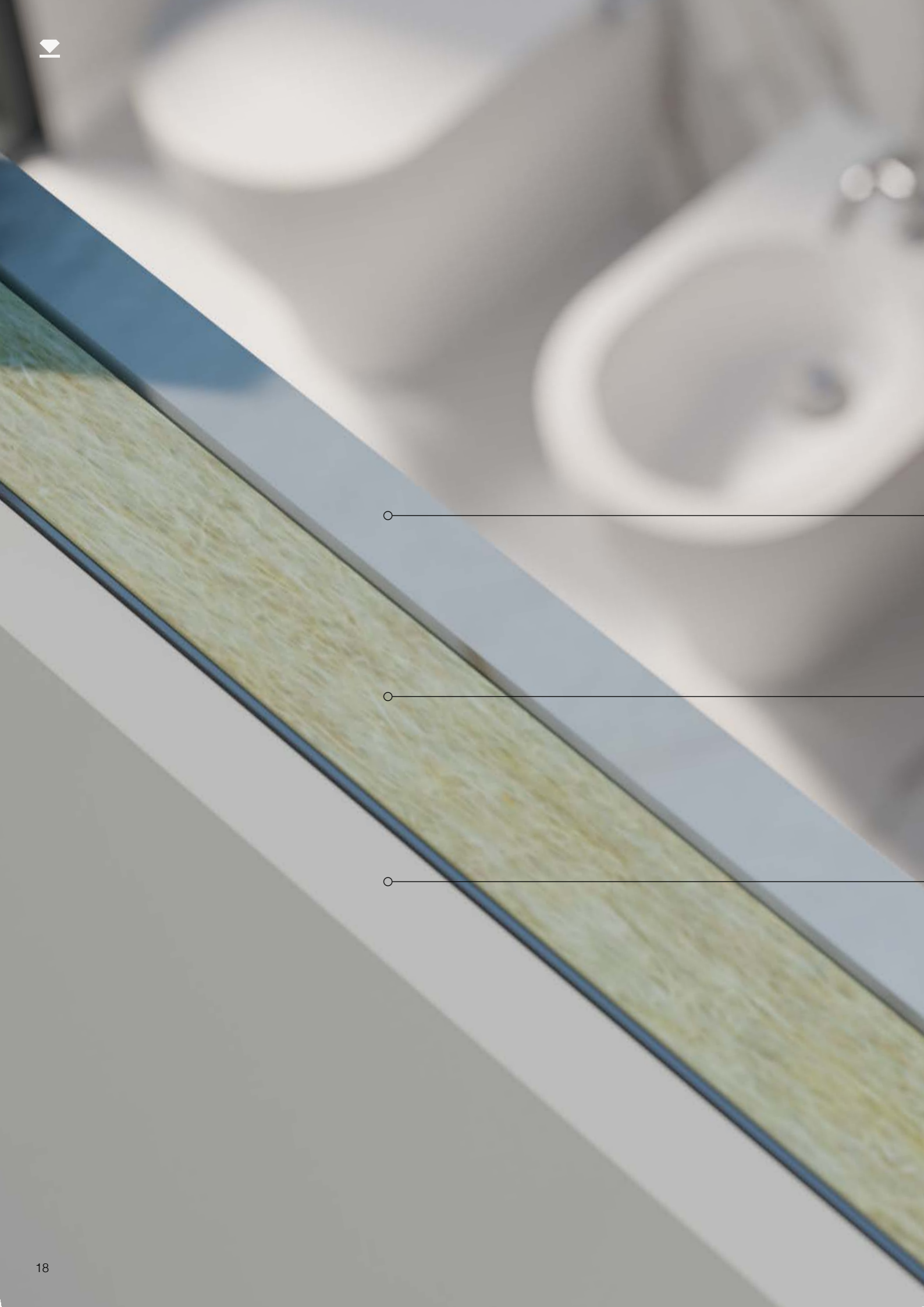
The finish is the GammaLay panel by GammaStone: an inorganic mineral material with a clay-based composition, VOC-free, with a thickness of 3–4 mm and a weight of only 4–5 kg/m<sup>2</sup>. UV resistance is guaranteed for 50 years without color alteration.



Finishes selected  
by the client.

Effects:

**NATURAL STONE**  
**TRAVERTINE**  
**CONCRETE**



## Internal Wall System

GammaBuild fiber-reinforced gypsum creates continuous, durable, and perfectly finished surfaces, offering impeccable aesthetics, unique quality, and living comfort with cutting-edge technology.

Fiber-reinforced gypsum  
25mm

Rock wool  
50 mm

Fiber-reinforced gypsum  
25mm

**MULTI-LAYER DRY WALL SYSTEM**  
Total thickness 100 mm



GammaBuild adapts seamlessly to any type of architecture, offering flexible solutions for a wide range of intended uses. A single construction system designed to meet the needs of different building types, simplifying processes while reducing time and complexity.

## INTENDED USES

/ 01

**RESIDENTIAL**  
Private Living, Engineered to Perfection.



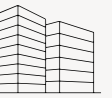
/ 02

**STUDENT HOUSING**  
Student Living, Designed for Flexibility.



/ 03

**MULTIFAMILY**  
Urban Living, Engineered for Efficiency.



/ 04

**RESORTS**  
Hospitality, Engineered to Perform.



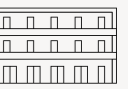
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**HOTEL**  
Hospitality Spaces, Engineered for Experience.



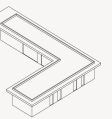
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**SENIOR LIVING**  
Senior Living, Built for Comfort and Care.



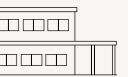
/ 07

**VILLAS**  
Exclusive living, designed for comfort and elegance.



/ 08

**EDUCATION**  
Learning Environments, Built for the Future.





We design and build high-end, fully integrated residences, using an innovative construction system and tight deadlines.

/ 01 RESIDENTIAL

GammaBuild offers maximum design flexibility in the development of residential buildings. Each building can be configured to suit the urban context, the residential target, and the investment objectives, ensuring complete control over quality standards, layout, and finishes.





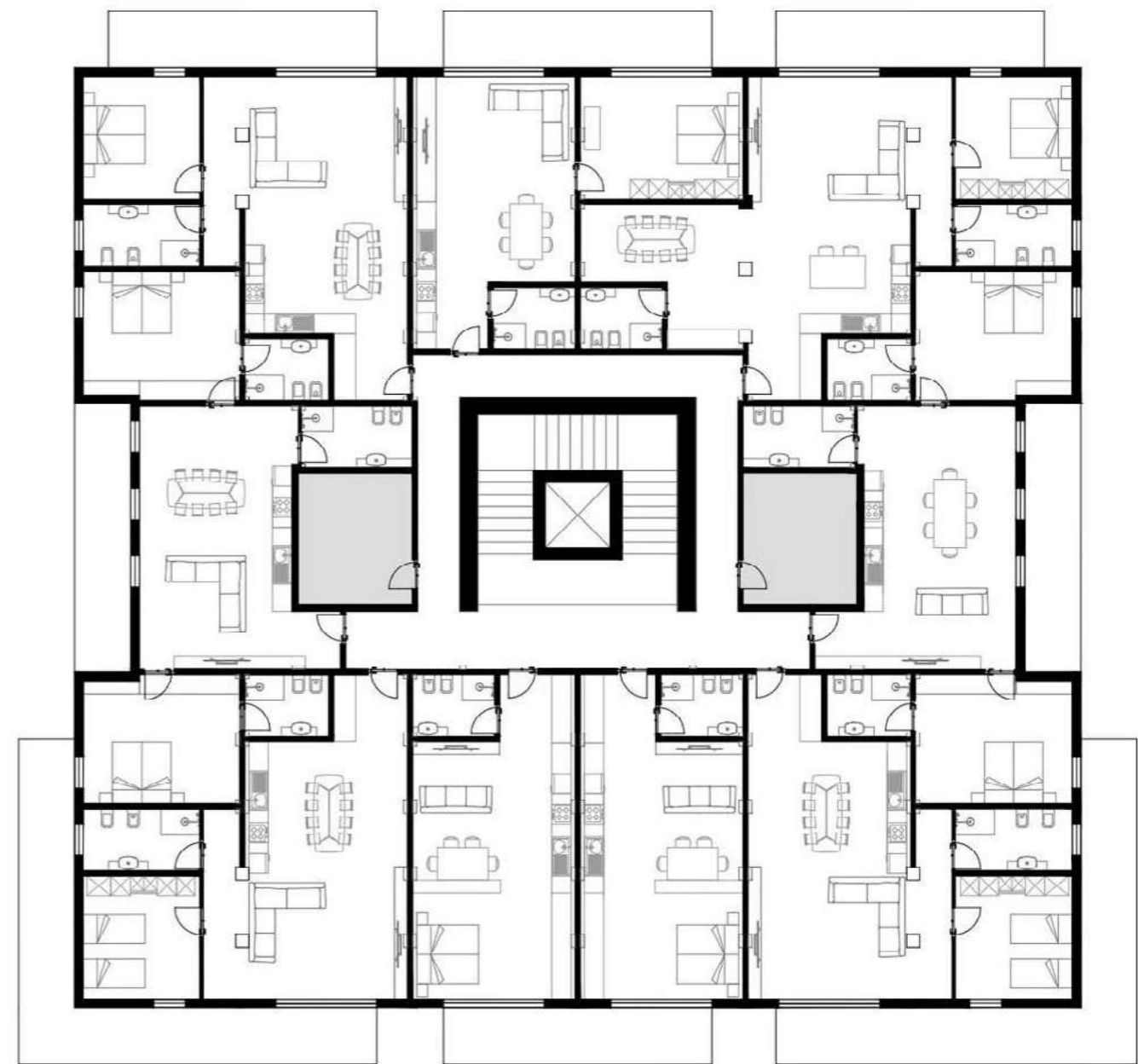
Optimization of residential layouts, high-quality materials, and design of interiors, exteriors, and surrounding urban spaces.





TYPICAL FLOOR

PLAN





We design and deliver student housing through an advanced construction system that ensures efficiency, speed and quality living environments.

/ 02 STUDENT HOUSING

GammaBuild develops student residences designed to optimize space, costs and operational management while maintaining comfort and functionality.





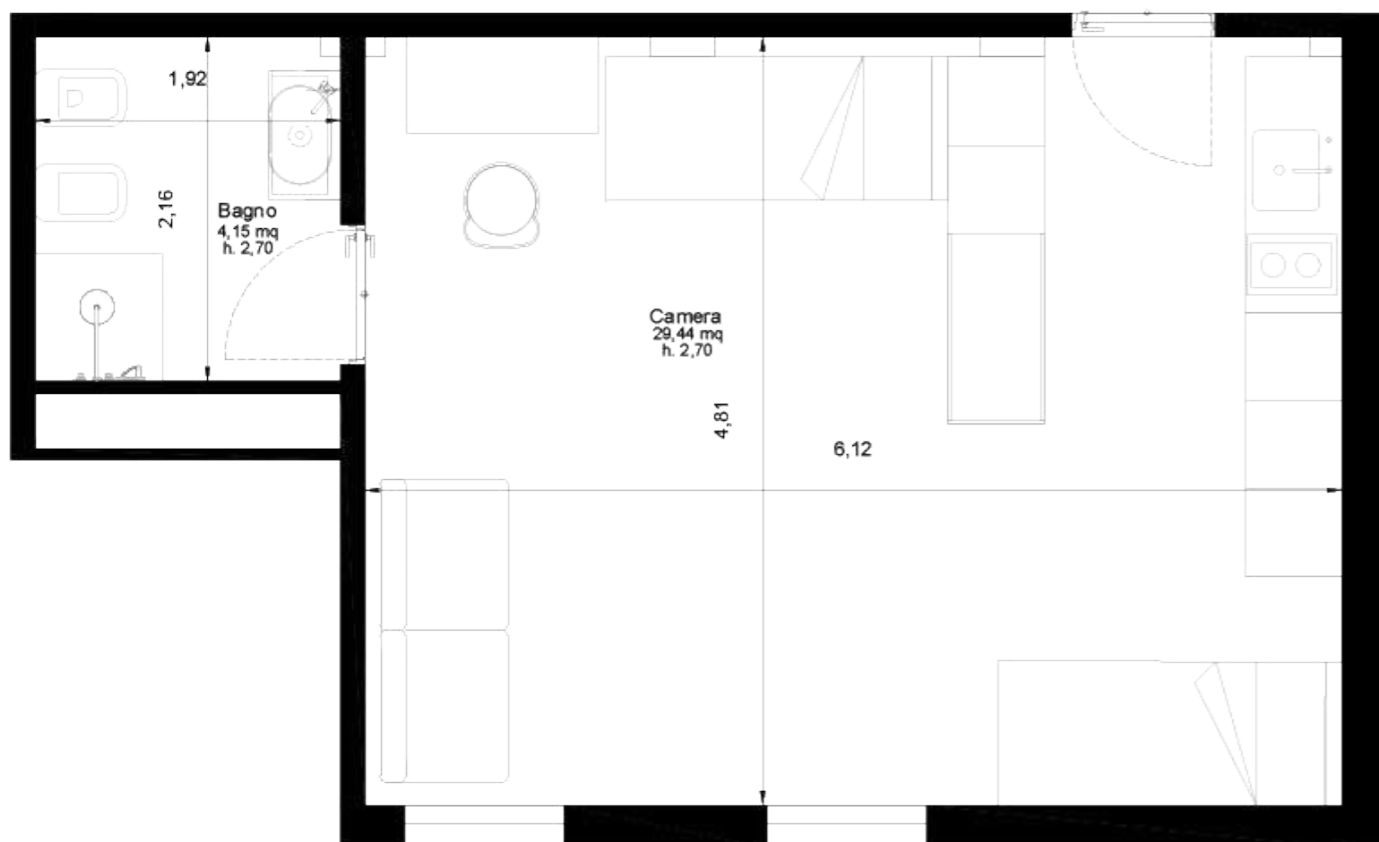
Optimization of living units and shared spaces, durable low-maintenance materials, and design of functional, collaborative and outdoor environments.





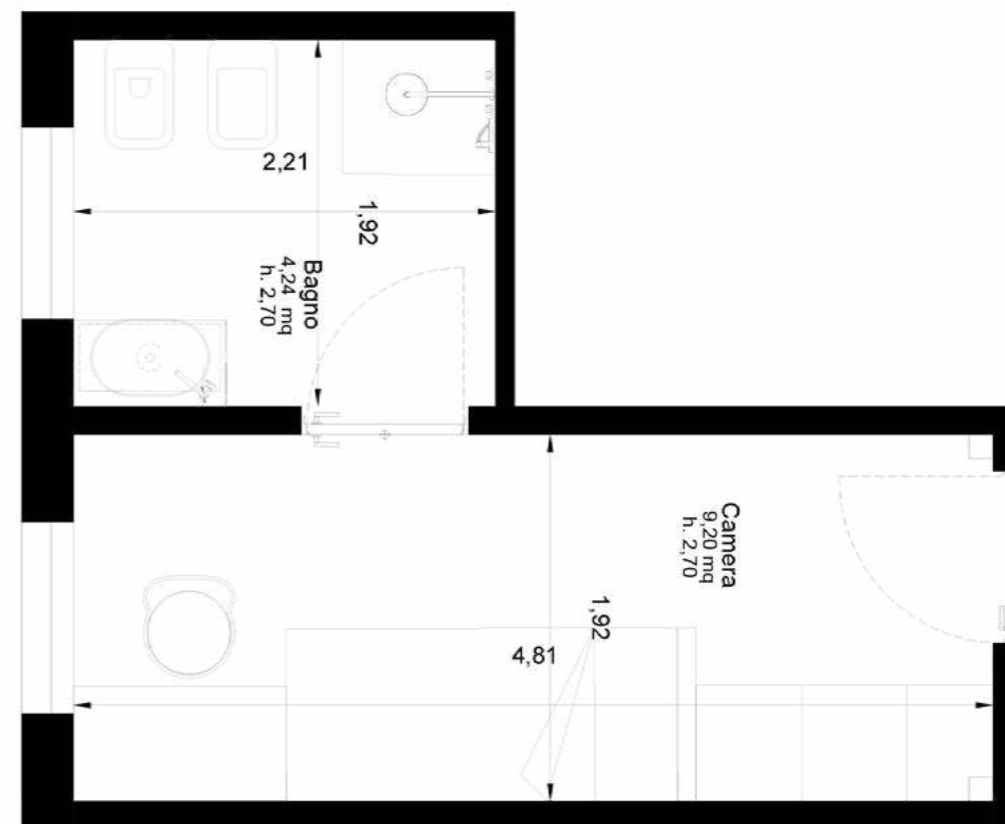
DOUBLE ROOM

PLAN



SINGLE ROOM

PLAN





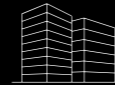


We design and deliver multifamily buildings through an integrated construction system that ensures predictable timelines, consistent quality and maximum efficiency.

MULTIFAMILY

/ 03 MULTIFAMILY

GammaBuild provides flexible design solutions for large scale residential developments, optimizing layouts, costs and investment performance.





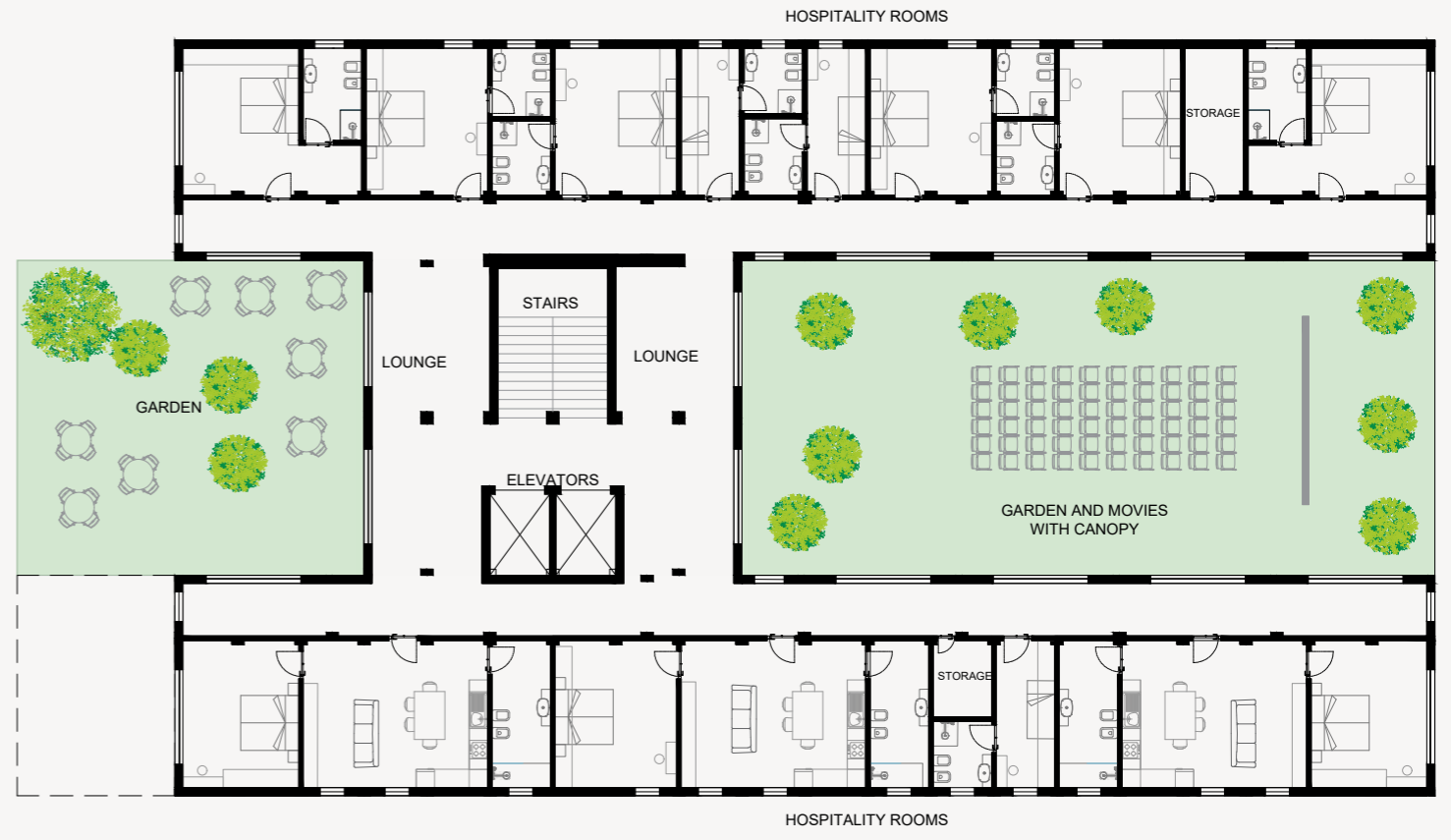
Optimization of residential layouts and usable areas, modular materials, and integrated design of interiors, shared and outdoor spaces.





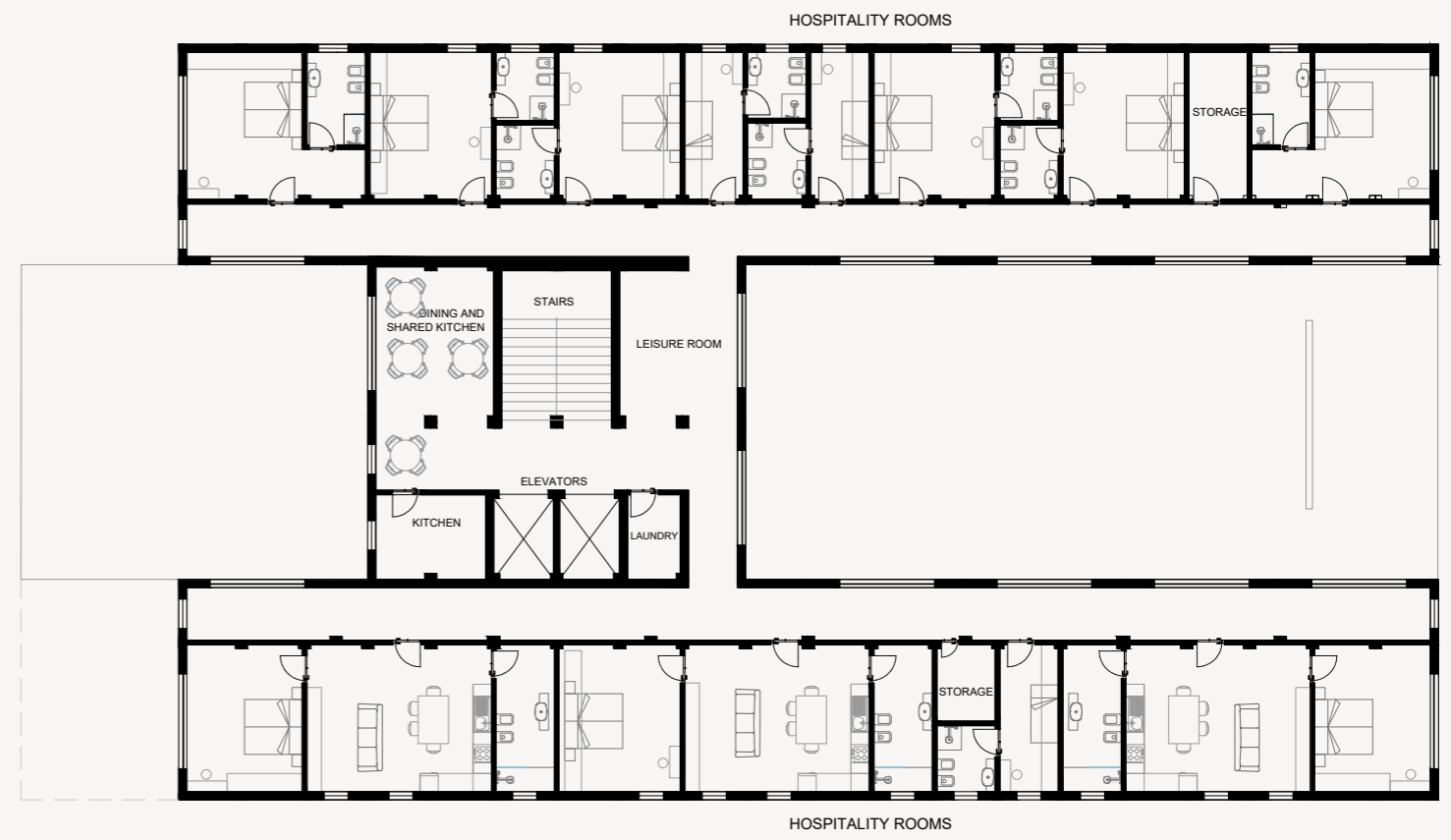
GROUND FLOOR

PLAN



FIRST FLOOR

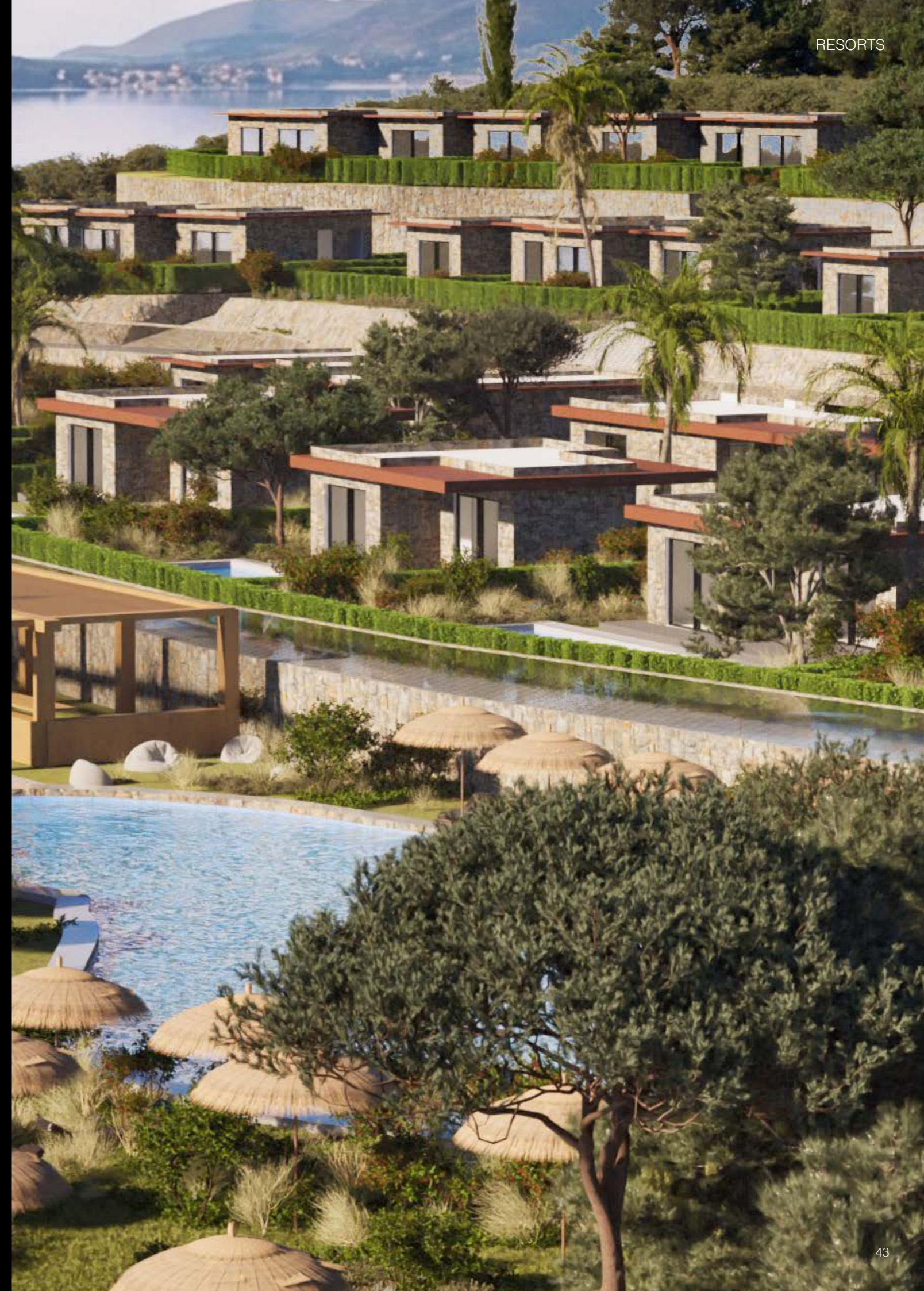
PLAN





We design and deliver high-end hospitality developments through a fully integrated construction system that ensures predictable timelines, consistent quality and operational efficiency.

GammaBuild offers maximum design flexibility in the development of resorts and hospitality complexes. Each project is configured to align with brand positioning, guest experience and investment objectives.





Optimization of guest units and shared spaces, brand - aligned materials, and integrated design of architecture, interiors, and outdoor amenities.







We design and deliver hotels and hospitality buildings through an integrated construction system that combines architectural quality, efficiency and fast execution.

/ 05

## HOTEL

GammaBuild develops hotels designed to deliver a consistent and distinctive guest experience while optimizing costs and operational performance.





Optimization of guest rooms and common areas, high-end materials, and integrated design of architecture, interiors, and outdoor amenities.

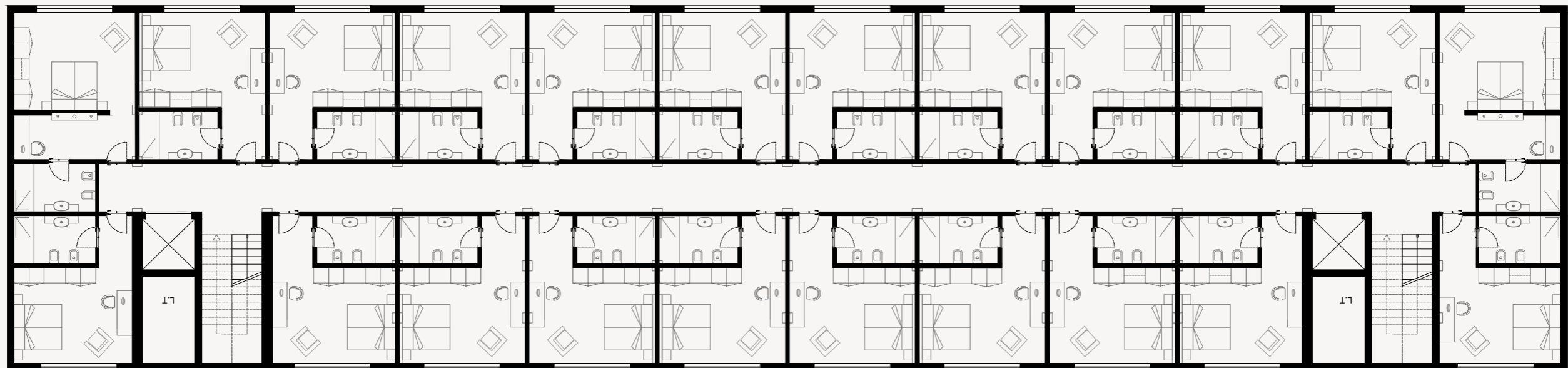




TYPICAL FLOOR

HOTEL

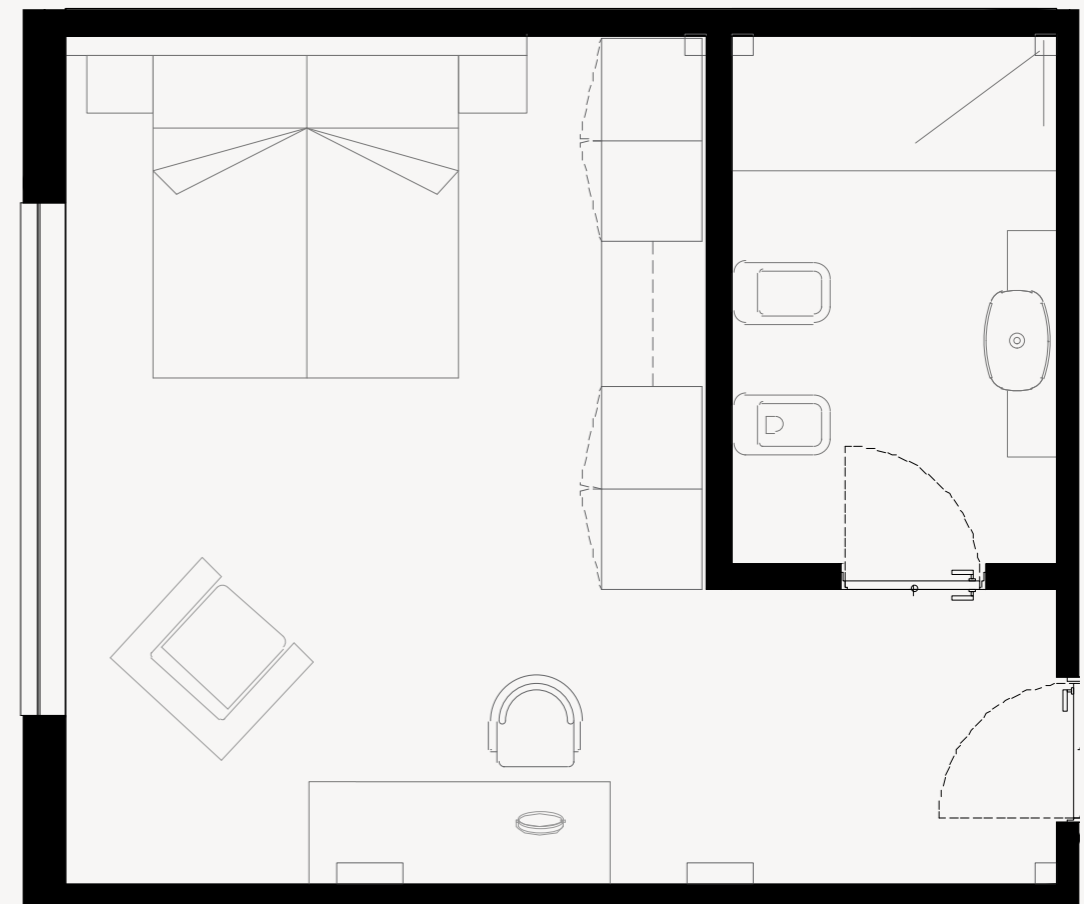
PLAN





TYPICAL ROOM

PLAN

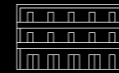




We design and deliver senior living facilities through an integrated construction system that ensures safety, accessibility and quality of life.

/ 06 SENIOR LIVING

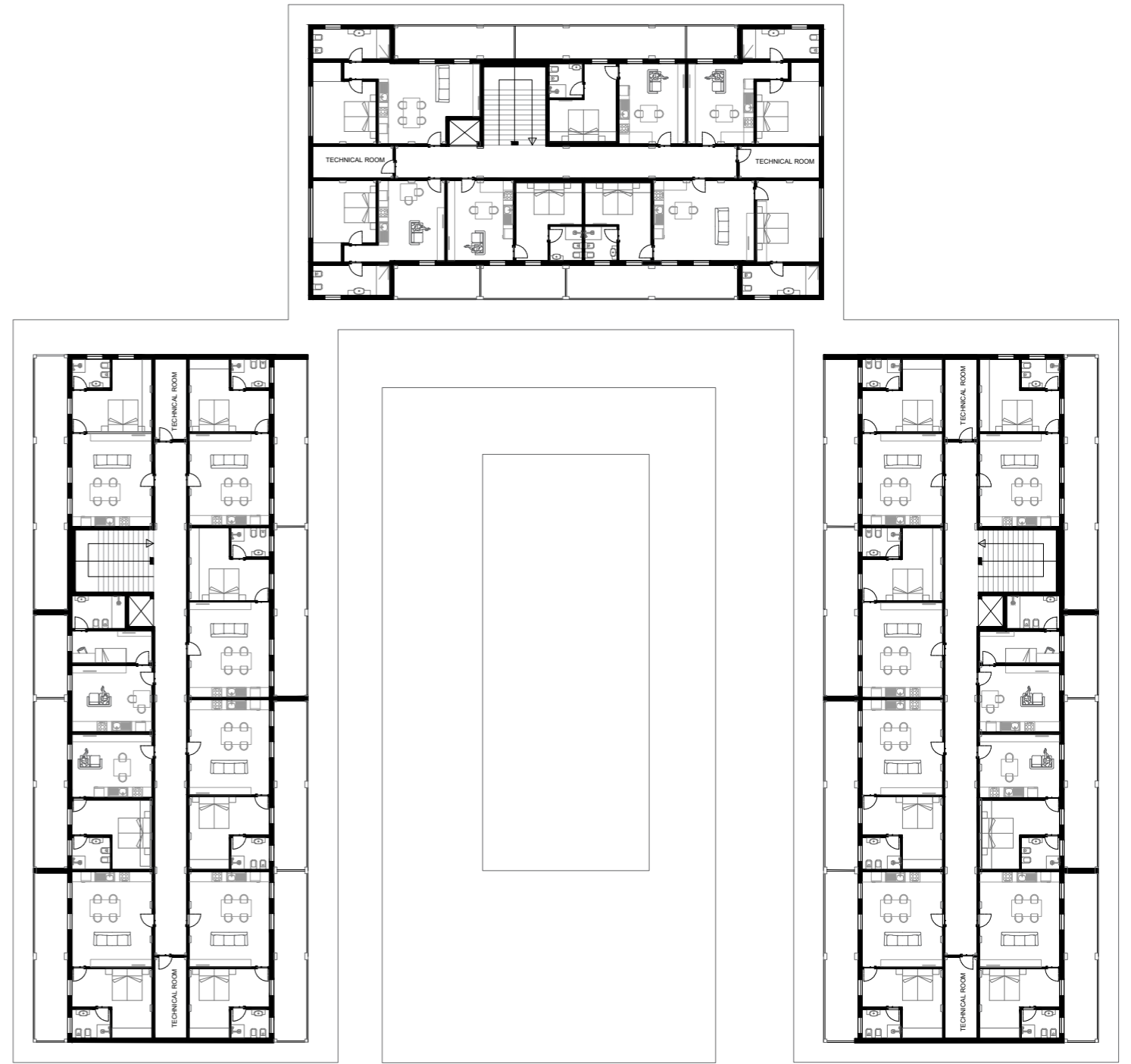
GammaBuild develops facilities designed to provide well-being, independence and care, adapting to the diverse needs of residents.





Optimization of residential and care spaces, safe materials, and design of accessible environments with shared and outdoor areas.

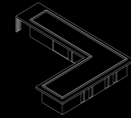






A team of highly qualified designers will work with you to create the perfect villa, taking care of every aspect, from interior spaces to exterior architecture.

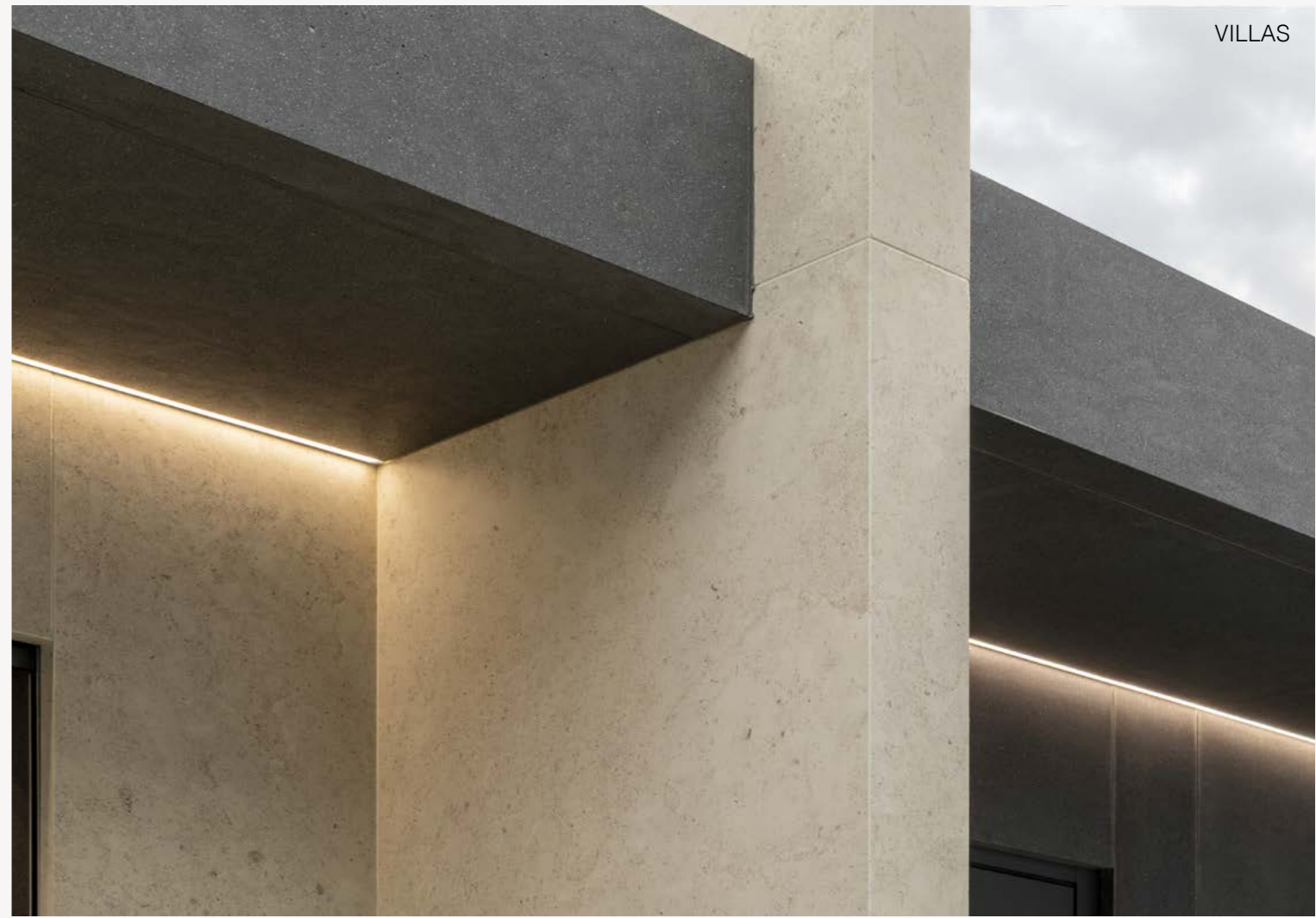
GammaBuild gives you total customization, every detail of your villa can be tailored to reflect your unique style, needs, and vision. From room layout to finishes, materials, and technology, you're in control of every choice.





Optimization of spaces, exclusive materials selection, interior and outdoor landscape design.







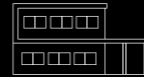






We design and deliver educational buildings using an advanced construction system that ensures safety, flexibility and predictable delivery timelines.

GammaBuild develops schools, campuses and educational facilities designed to adapt over time, meeting the evolving needs of students, educators and institutions.





Optimization of learning and common spaces, durable materials, and flexible design focused on comfort, acoustics, and indoor-outdoor quality.







For each Intended use and for each specific project, GammaBuild develops a dedicated technical specification in coordination with the design team and the client.

## Technical specifications

The technical specifications precisely define all requirements relating to materials, build-ups, finishes, building components, and systems, including qualified brands and certified solutions in line with the performance required by the project.

## Our excellence partners

Each choice is validated according to technical requirements, durability, energy efficiency, ease of maintenance, and regulatory compliance, ensuring consistency between design, production, and construction.

### Flooring and wall coverings

### Doors

### Windows

### Systems

### Electrical systems

### Appliances

### Bathrooms

### Furniture

### Outdoor

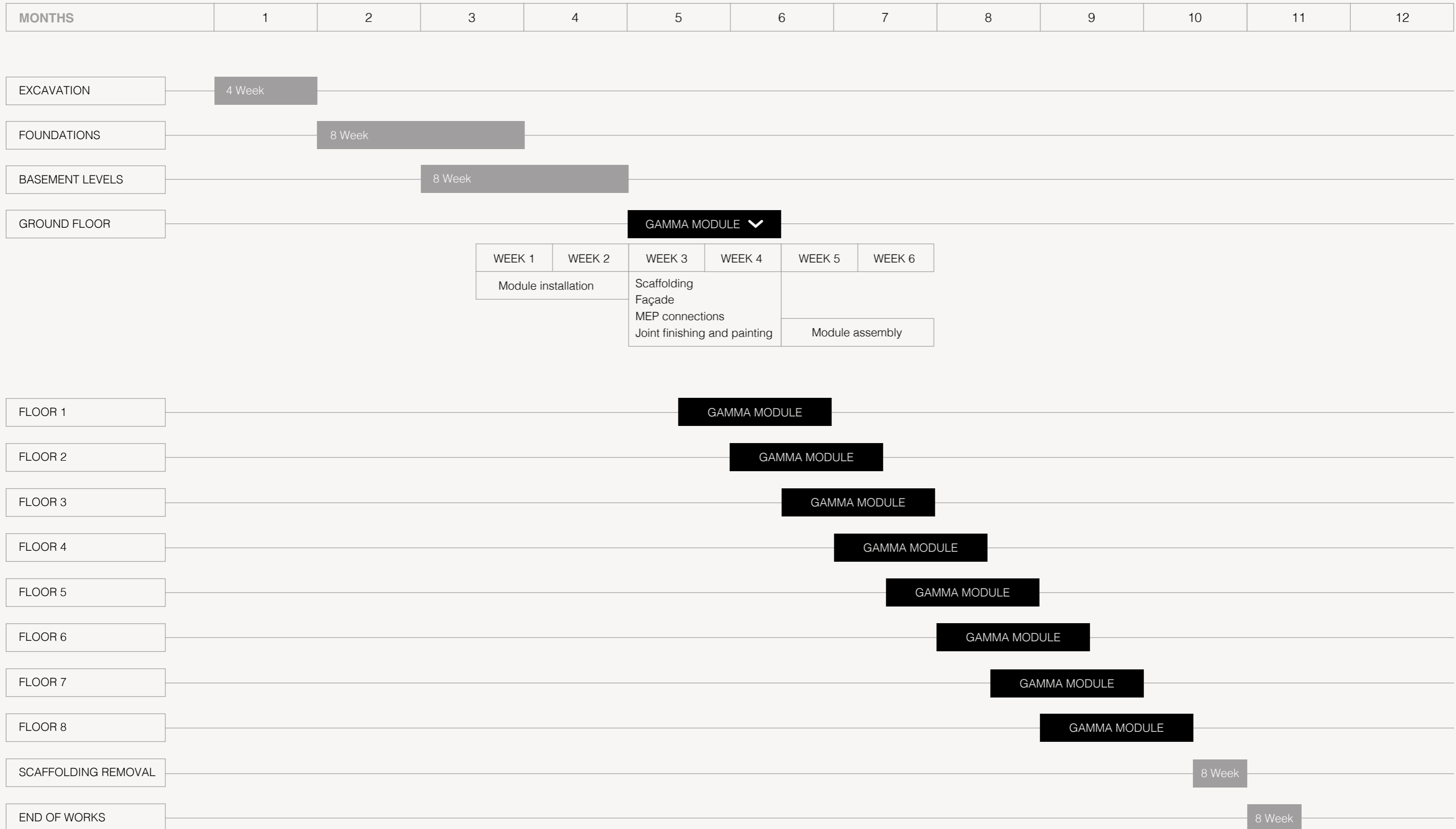
### Gym

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# Example of Construction Schedule

The integrated approach enables full control over costs, timelines, and execution quality, ensuring traceability of supplies and standardization of performance levels across all project phases





GAMMABUILD PROJECT  
SUSTAINABILITY

GammaBuild buildings represent a new way of building: sustainable and durable materials.



**SUSTAINABLE  
MATERIALS**

We use only carefully selected materials with low environmental impact.



**CLEAN CONSTRUCTION  
SITE**

On-site work is fast, organized, and waste-free. There is no need for in-situ operations, concrete mixing, or noisy and dusty activities.



**FEWER  
TRANSPORTS**

Thanks to the modular construction system, a GammaBuild project requires significantly fewer transports compared to traditional construction.



**DURABILITY AND RECYCLING**


Every GammaBuild building is designed to last over time. The materials used require little to no maintenance and perform reliably over the long term.



**ENERGY  
EFFICIENCY**

GammaBuild buildings are highly efficient from an energy standpoint.



 MAIN CERTIFICATIONS

GammaBuild uses selected and certified materials, building components, and systems that comply with current regulations, in order to ensure high performance in terms of structural safety, energy efficiency, durability, and indoor environmental quality.

All adopted solutions are validated through technical specifications, product certifications, and performance testing, ensuring consistency between design, production, and construction.

LEED (LEADERSHIP IN ENERGY AND ENVIRONMENTAL DESIGN)

An international certification system for sustainable buildings that evaluates performance in terms of energy efficiency, resource management, indoor environmental quality, materials, and overall environmental impact.

EPC (ENERGY PERFORMANCE CERTIFICATE)

An official document that certifies the energy class of the building based on consumption and the performance of the envelope and systems.

SEISMIC CERTIFICATION (NTC)

Structural design carried out in accordance with the Technical Standards for Construction (NTC), including seismic analysis and advanced modeling to ensure safety, strength, and the dynamic behavior of the building.

THERMAL AND ACOUSTIC PERFORMANCE (UNI / EN)

The building envelope is designed and verified according to UNI and EN standards to ensure thermal insulation, sound reduction, and living comfort under all operating conditions.

SYSTEM COMPLIANCE CERTIFICATIONS (DM 37/08)

All systems (electrical, plumbing, HVAC, ventilation, and home automation) are installed and certified in compliance with DM 37/08 and relevant regulations, ensuring safety, efficiency, and long-term reliability.



HEADQUARTERS

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