



TEHNOLEMN
de esență nobilă





OUR MISSION

At Tehnolemn, we consider that an object, no matter how well made, is not complete if it does not pay attention to its aesthetic dimension. We chose to make wooden products because they require, first of all, greater concentration, authentic craftsmanship, and, without exaggerating, an aesthetic look. Simply put, wood ennobles any product in which it is incorporated. For this reason, we have chosen to present our products accompanied by the justification of „noble essence.”

But wood is more than just a beautiful decoration. Its qualities make it perfect for the products we develop every day for our customers. Built-in windows and doors, are durable, reliable, and easy to maintain. Being probably one of the most environmentally friendly building materials, wood is a resource that can regenerate sustainably without causing any damage to the environment. It is also an excellent insulator, being at the same time the most versatile of the materials available for doors and windows. It can be given any shape or curvature and can be delivered in any shade or gloss.

We recommend that you go through the following pages to see how we chose to use this noble material, how we processed and shaped it, how we considered it beautiful. Inherent can be best-put in the light. We are proud of our work and hope to enjoy your appreciation.

Respectfully,
Tehnolemn Team

ABOUT TEHNOLEMN IN FEW WORDS

TEHNOLEMN's history begins in 1994 with the establishment of a privately held company that aimed to produce and sell laminated wood windows and doors incorporating double glazing and several other products, who used wood as a raw material such as interior stairs, shutters, and furniture.

Due to both functional and aesthetic design, our products have won the trust of a growing number of customers, both individuals and institutions. In 2002 we started to produce for the foreign markets in Germany, Italy and many more.

The technical requirements and the aesthetic vision incorporated in each of our products led, in 2008, to the official registration of the Tehnolemn brand. Since 2012, both the triple-layered wooden windows and the entrance doors we produce bear the CE marking, the symbol of the full recognition of our efforts to meet the requirements and the conceptual vision of the architectural design projects in which we participate.

WHAT WE OFFER AT TEHNOLEMN

UNIQUE OR ATYPICAL PRODUCTS

Tehnolemn products, whether we are talking about exterior doors, interior doors, or windows, are made in shapes and sizes strictly adapted to the requirements of our customers' projects.

ADDITIONAL AESTHETIC VALUE

We continuously adapt to the challenges of the projects in which we are involved, take into account the pre-existing constructive assemblies, and always try through our products to offer attractiveness to the buildings in which they will be used.

STRATIFIED WOOD TECHNIQUE

Our products use this solution due to its undeniable advantages: a diverse range of colors, resistance to adverse environmental

factors, exceptional sound, thermal insulation, and diversity in terms of shapes, the longer guaranteeing, in the case of historical buildings, the preservation of the facades unchanged.

FORMS NO MATTER HOW COMPLEX

In the case of interior assemblies, we produce a wide range of sound-insulated doors, executed according to the already existing gaps, which satisfy the highest functional requirements.

EXTENDED WARRANTY

All our products benefit from a 5-year warranty, further proof of the trust we place in our work.

THE DIVERSE RANGE OF PRODUCTS

We currently make windows, sliding doors, entrance doors, shutters and interior doors.

DATA AND TECHNICAL SPECIFICATIONS OF TEHNOLEMN PRODUCTS

To accurately assess the possible implementation of Tehnolemn products in your project, we consider it essential to overview the technical specifications, the materials used, and the constructive solutions you use, and we incorporate each of our products.

This information makes an essential contribution to the successful completion of your architectural or interior design project and also allows you to make forecasts and cost estimates.

It should also be added that Tehnolemn uses two different construction methods to make its products, respectively laminated wood joinery, solid wood joinery. We offer below the main features for each of them.

WINDOWS



STRATIFIED WOODEN WINDOWS

TECHNICAL DATA:

ESSENCE USED:

spruce, oak, meranti, walnut

HARDWARE:

ROTO – Germania

PROFILE:

For laminated wood joinery, triple-layered profiles with continuous faces with a section of 84 x 88 mm are used.

LOCKING SYSTEM:

The carpentry is provided with three sealing gaskets (two on the sash and one on the frame).

FINISH:

It is made of impregnants and water-based varnishes (ICA - Italy) resistant to the action of UV rays and high humidity and which retain their color in motion. These factors; the finishes can be made in a broad palette of colors that can satisfy our clients' requirements.

GLAZING:

The type of insulating glass, depending on the requirements, can be unicameral or bicameral, with different kinds of glass (Low-E, safety, duplex, ornamental, stained glass).

Aluminum or wood dripper.

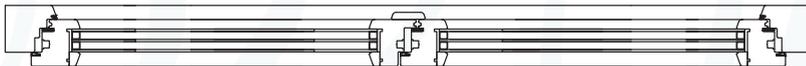
A new window option that we make is the one with aluminum plating—an option with a high degree of weather protection. With an extension of the initial condition and appearance of the window for an extended period, without the need to repaint them in time.

Aluminum plating also has an aesthetic role, being able to be painted in any RAL color, satisfying all the requirements, and being able to be adapted to the design of any building.

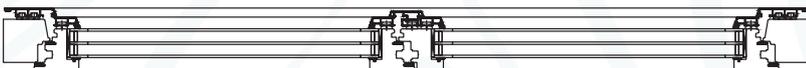
THE ADVANTAGES OF STRATIFIED WOOD JOINERY:

- It preserves the characteristics of the historical facades
- Resistance over time to environmental factors
- Very good sound and thermal insulation
- Painting in a variety of colors
- Complex shapes can be executed
- Warranty 5 years

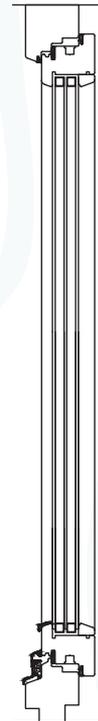
CLASSIC HORIZONTAL SECTION



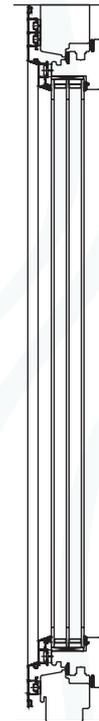
ALUMINIUM HORIZONTAL SECTION



CLASSICAL VERTICAL SECTION



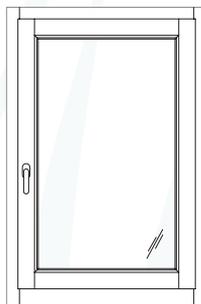
ALUMINIUM VERTICAL SECTION



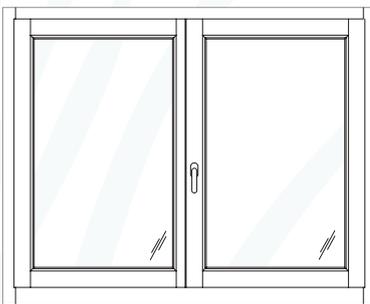




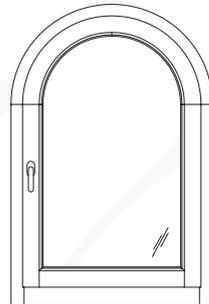
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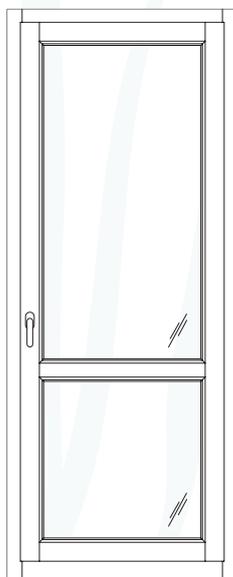
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F-03



F-05



F-06



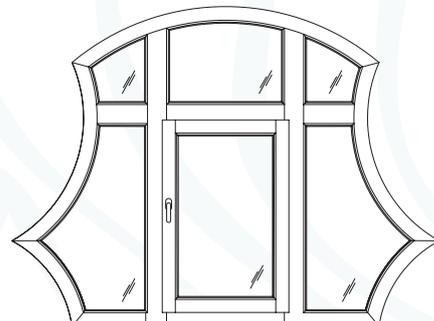
F-07



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F-08



SHUTTERS



TECHNICAL DATA:

ESSENCE USED:

spruce, oak

HARDWARE:

AGB - Italia

FINISH:

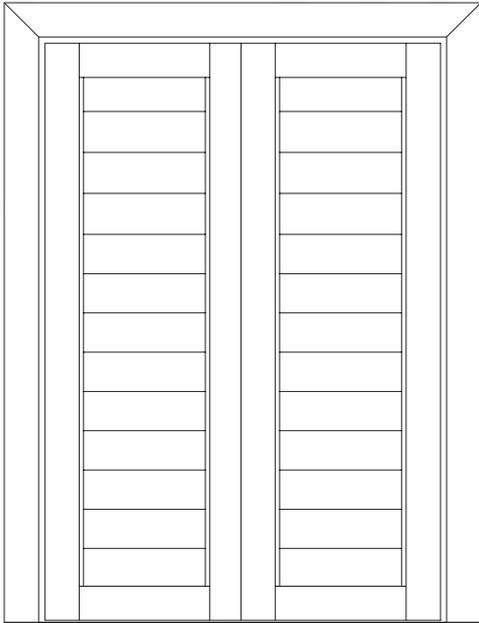
It is made of impregnants and water-based varnishes (ICA - Italy) resistant to the action of UV rays and high humidity and which retain their color in action.

These factors; the finishes can be made in a broad palette of colors that can satisfy all the clients' requirements.

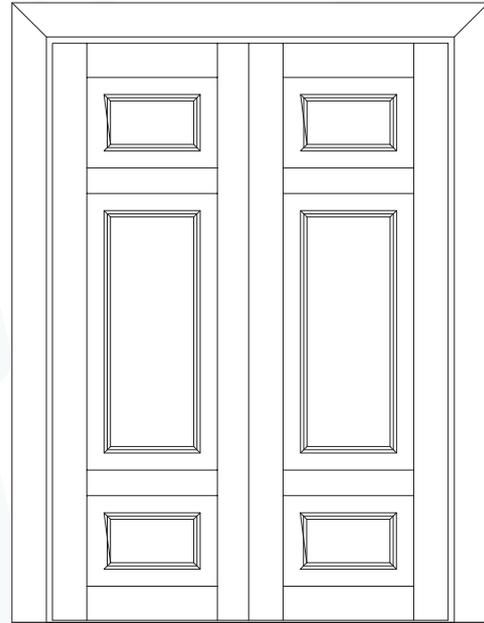
THE ADVANTAGES OF STRATIFIED WOOD SHUTTERS:

- It preserves the characteristics of the historical facades
- They act as shading
- An extra sound and thermal insulation
- It gives extra security to the home
- Finish in a wide range of colors
- Complex shapes can be executed
- Warranty 5 years

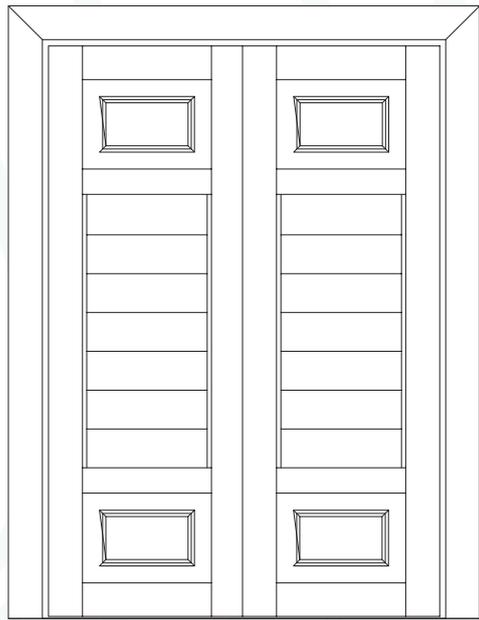
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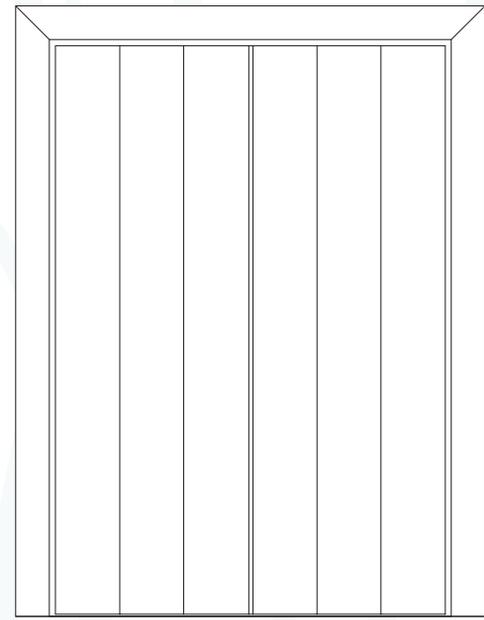
O-02



O-03



O-04



INTERIOR DOORS



INTERIOR STRATIFIED WOODEN DOORS

TECHNICAL DATA:

ESSENCE USED:

spruce, oak, cherry, maple, ash, walnut

FINISH:

It is made with impregnants and water-based varnishes (ICA - Italy) or with oils, baths and varnishes HESSE - Germany.

HINGES:

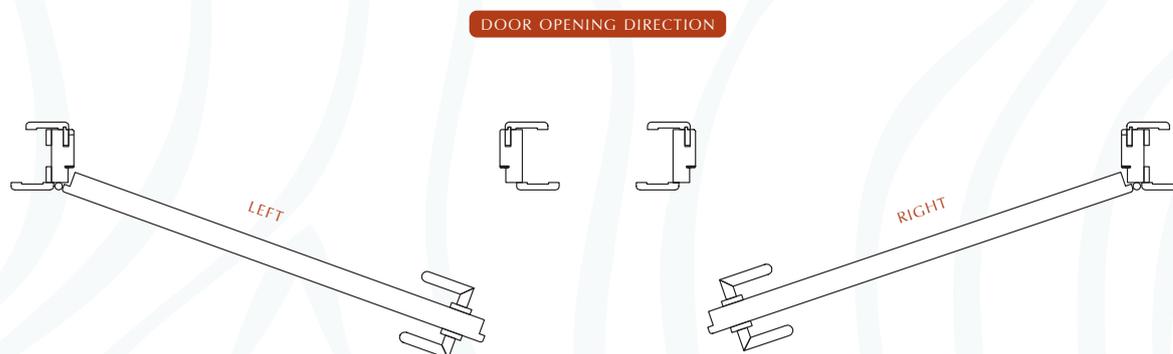
SIMONSWERK - Germany and AGB - Italy, adjustable in three directions.

LOCKING SYSTEM:

It is made on gasket EPDM. The closures depend on the customers' requirements, from the key lock and the safety cylinder to the magnetic card lock.

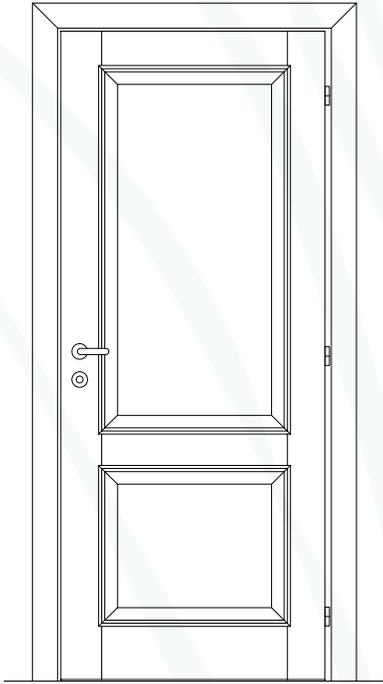
ADVANTAGES:

- A wide range of doors for homes, offices and hotels (soundproof 34dB)
- Execution of doors after existing gaps
- The models satisfy the most demanding requirements
- Complex shapes can also be executed
- A wide range of colors
- Warranty 5 years

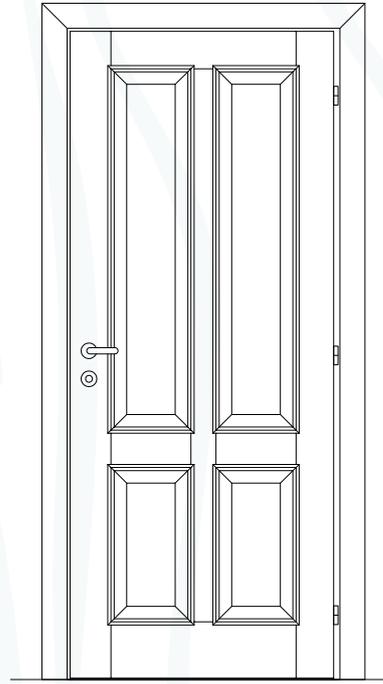




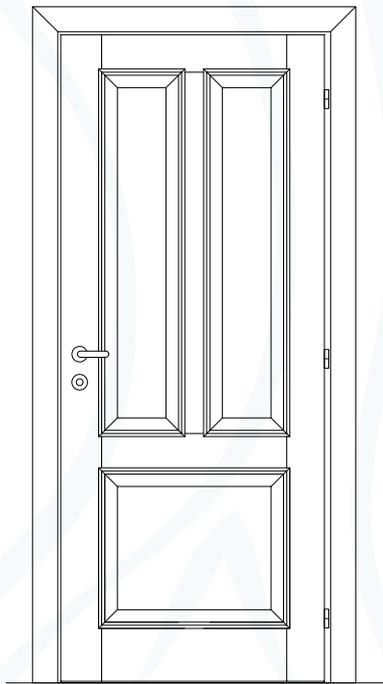
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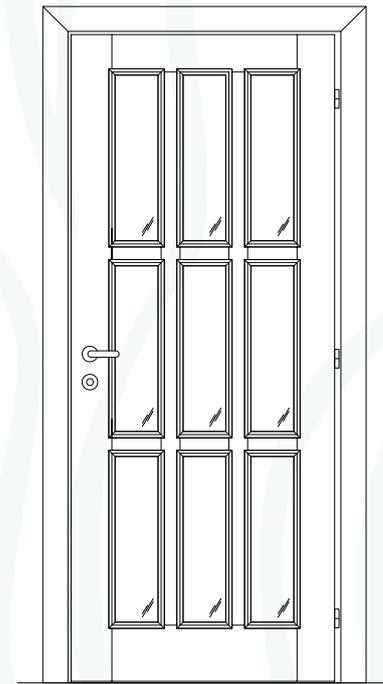
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THL-13C

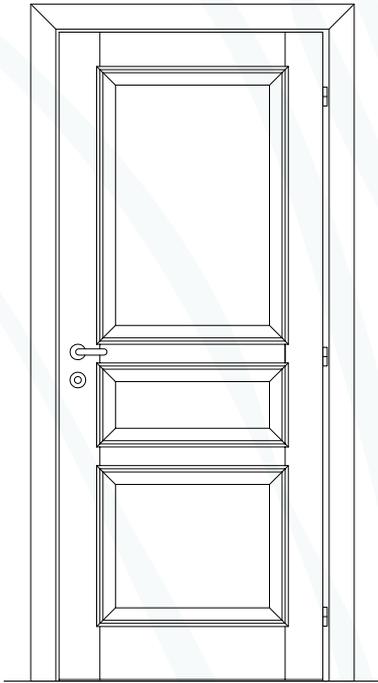


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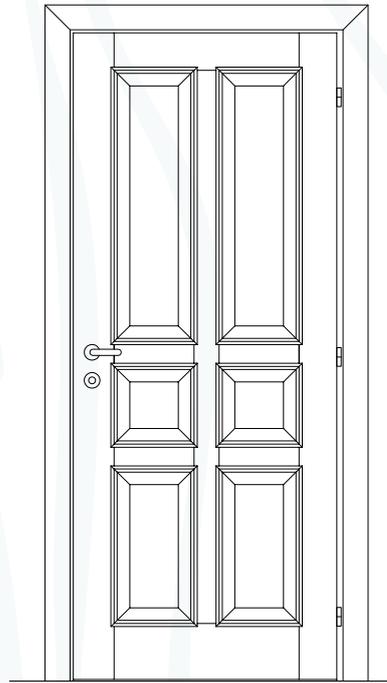




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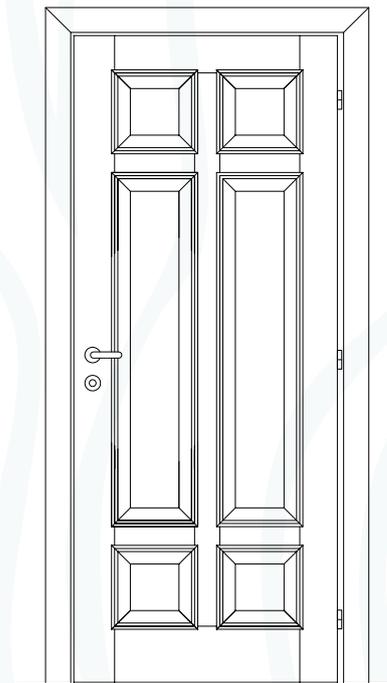
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THL-23C

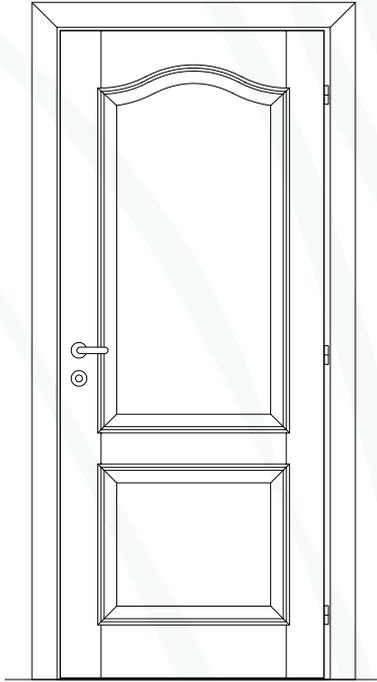


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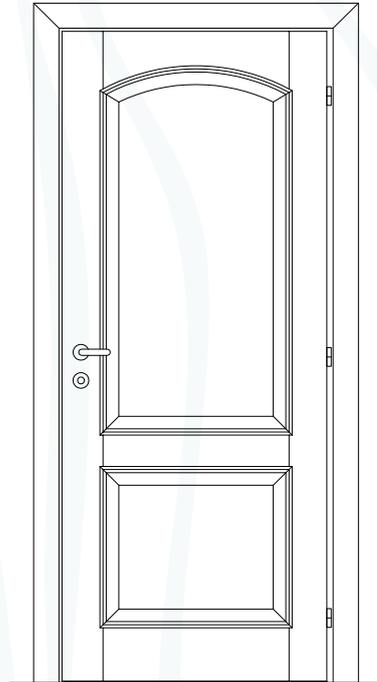




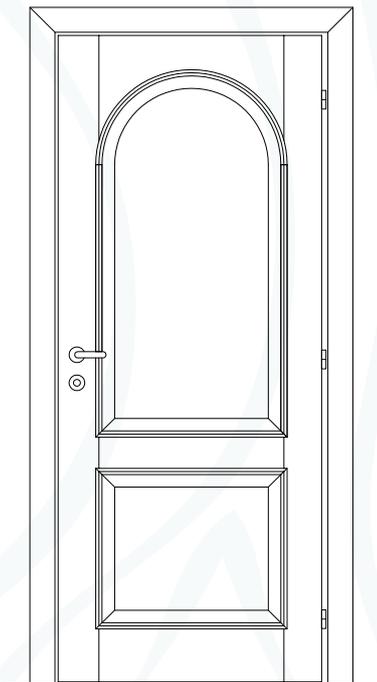
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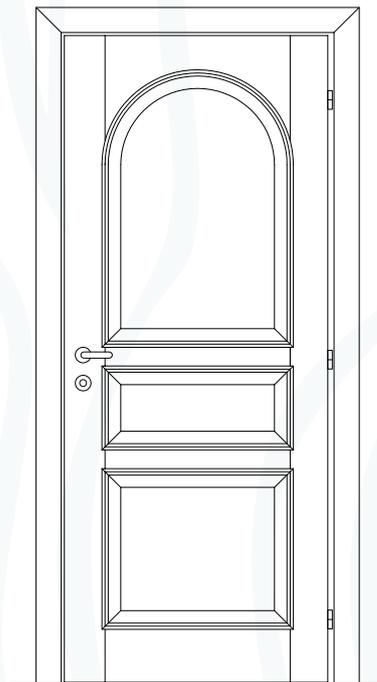
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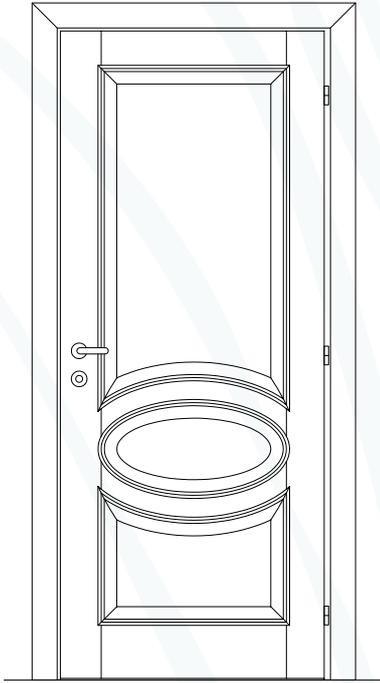


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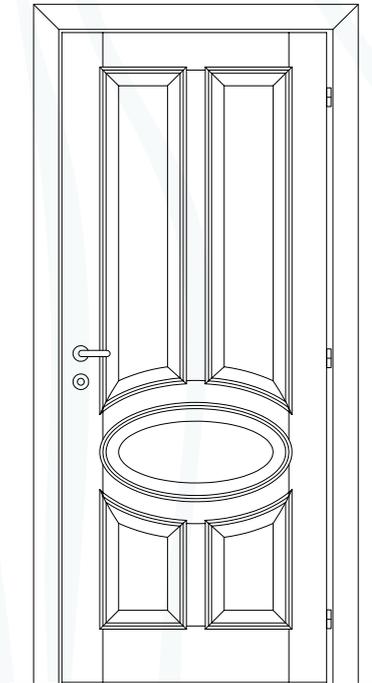




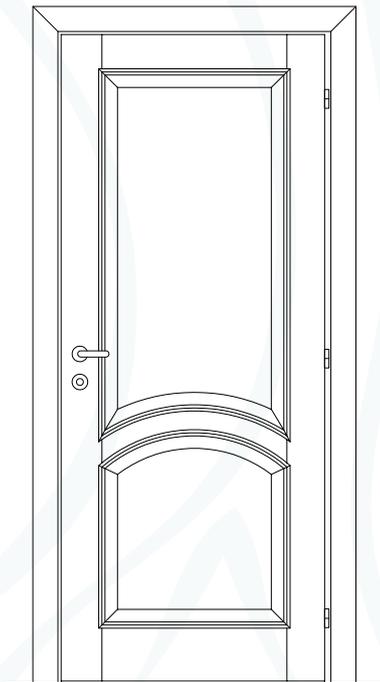
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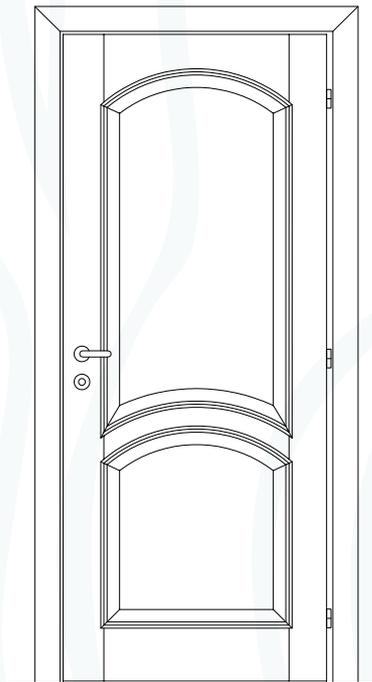
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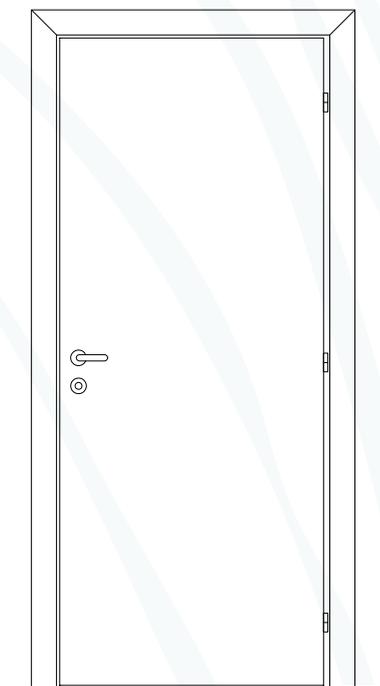


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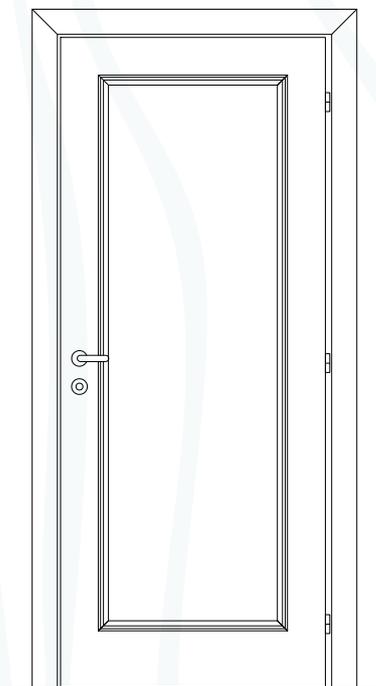




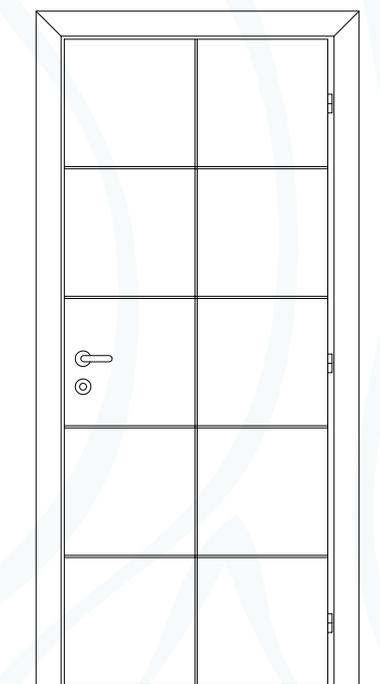
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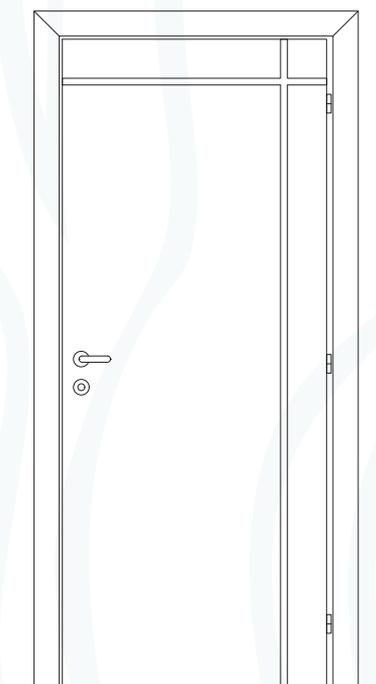
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THL-53M

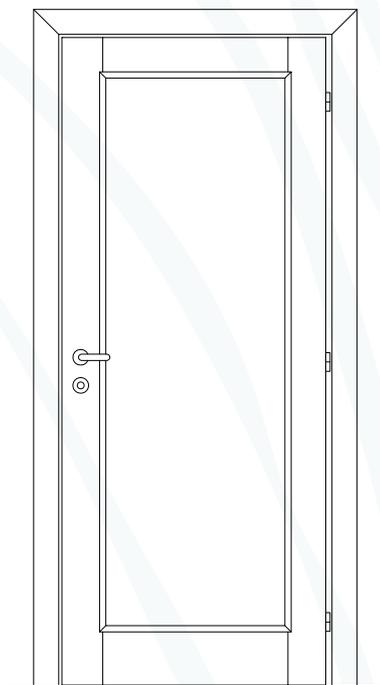


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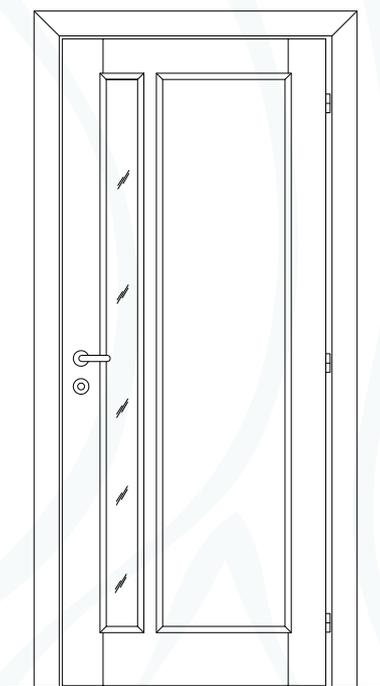
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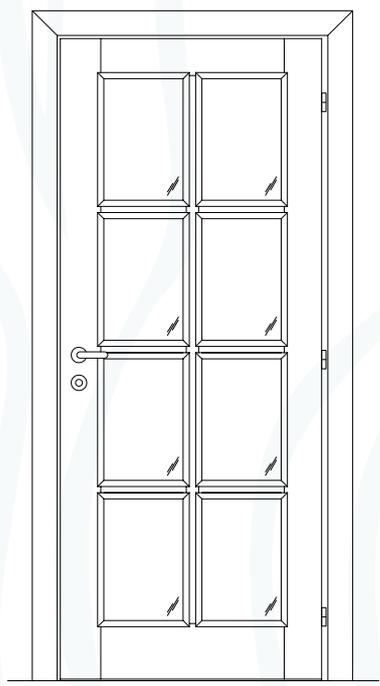
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THL-63M

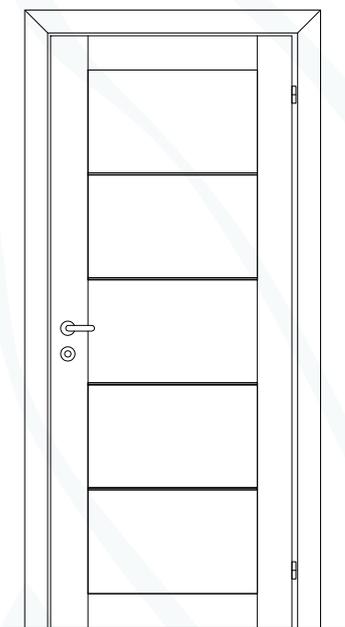


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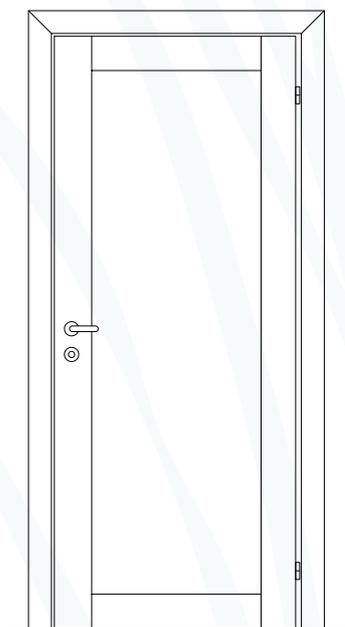




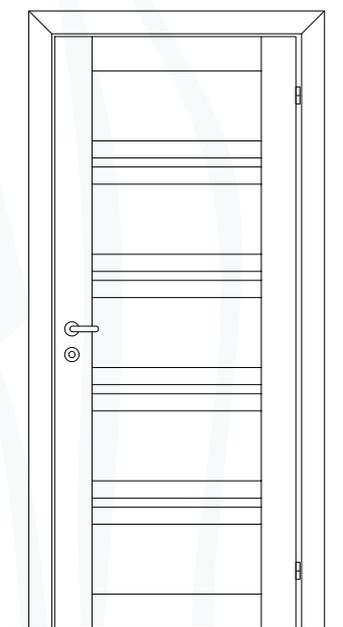
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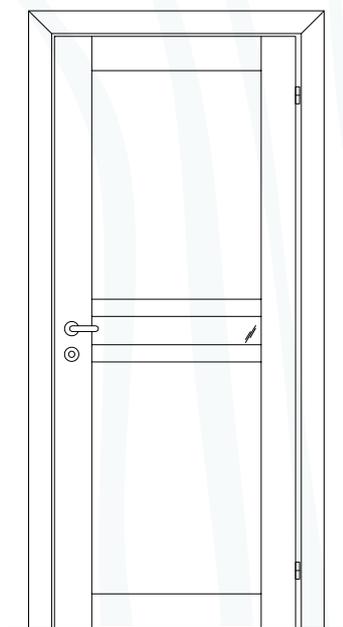
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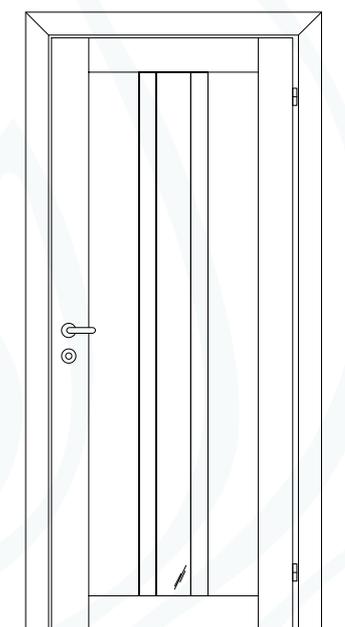
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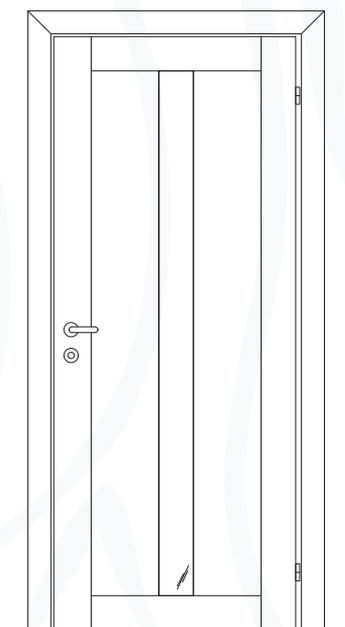
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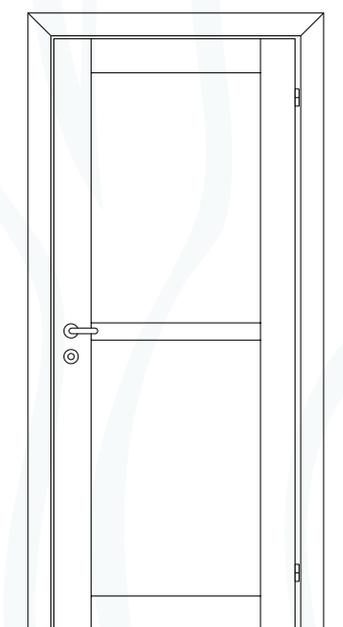
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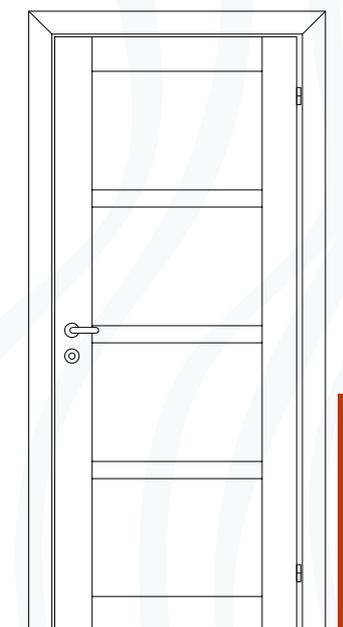
THL-82M



THL-83M



THL-84M



EXTERIOR DOORS





EXTERIOR STRATIFIED WOODEN DOORS

TECHNICAL DATA:

ESSENCE USED:

spruce, oak, meranti, walnut

PROFILE:

For laminated wood joinery, triple-layered profiles with continuous faces with section 117 x 68mm, 117 x 78mm si 117 x 92mm are used.

FINISH:

It is made with impregnants and water-based varnishes (ICA - Italy) resistant to UV rays and high humidity and retains its color due to their action. The finishes can be made in a broad palette of colors that can satisfy all the clients' requirements.

HARDWARE:

ROTO - Germany, SIMONSWERK - Germany and AGB - Italy

LOCKING SYSTEM:

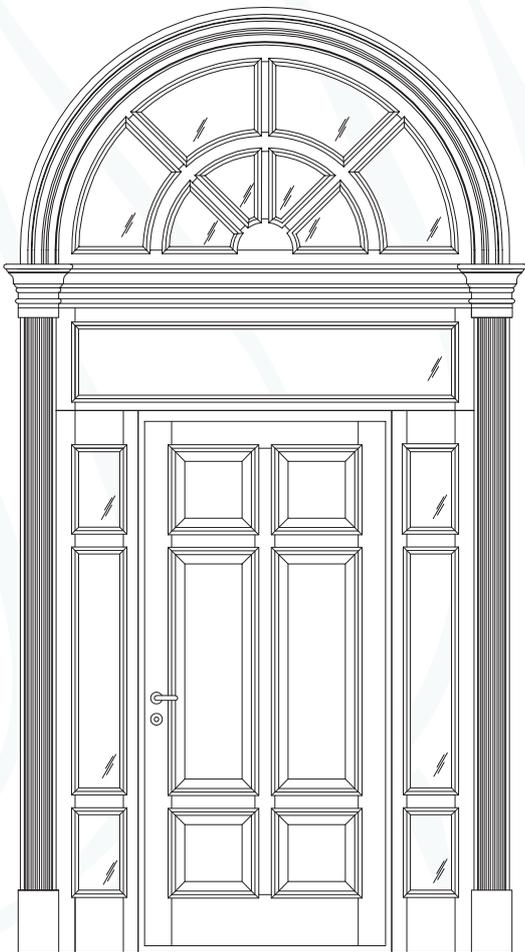
The door is provided with three seals (two on the sash and one on the frame).

ADVANTAGES:

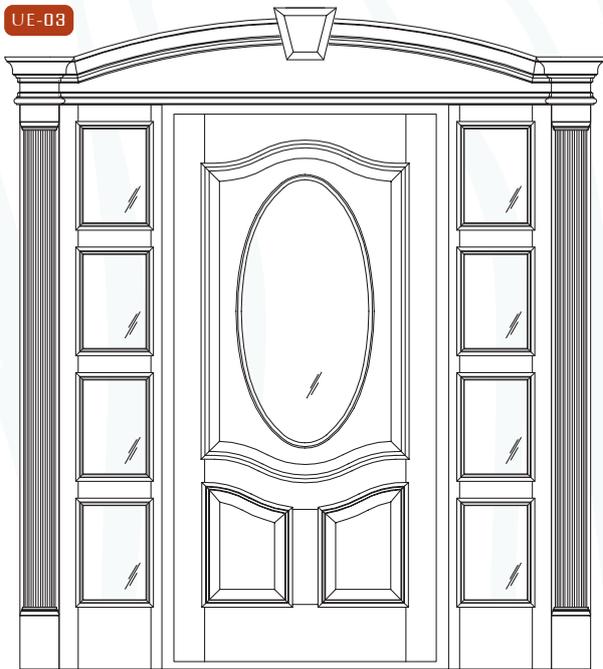
- Customized models based on customer requirements and building architecture
- Resistance over time to environmental factors
- Very good thermal and sound insulating
- It gives a greater degree of security to their home
- Possibility of mounting various automated locking systems operated by cards or fingerprint readers
- Finish in a wide range of colors
- Complex shapes can also be executed
- Warranty 5 years



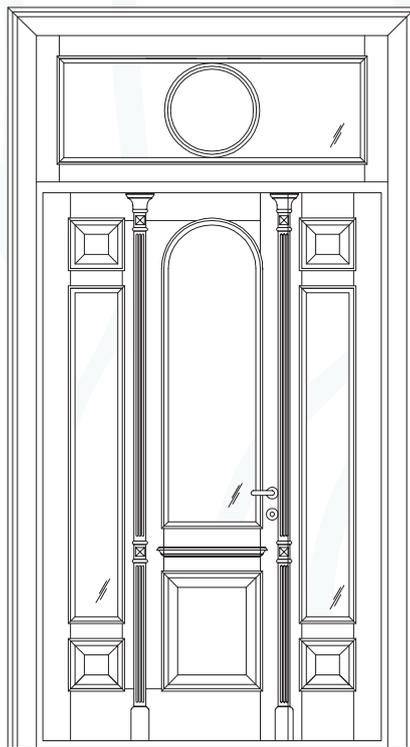
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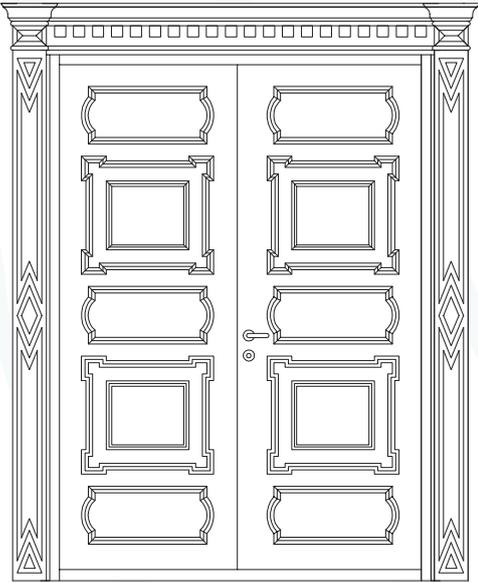


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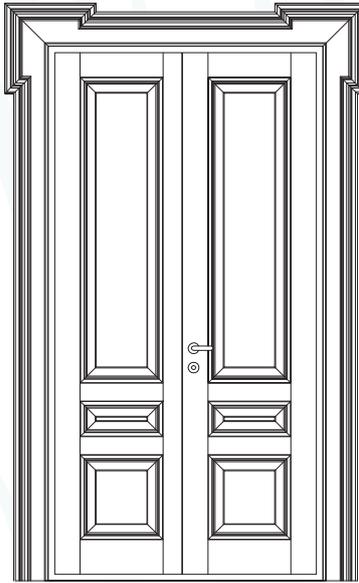




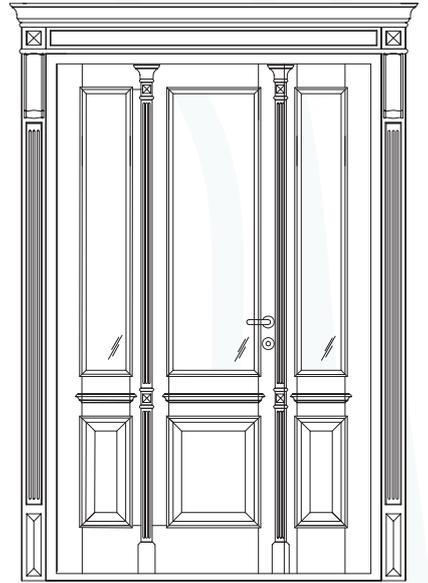
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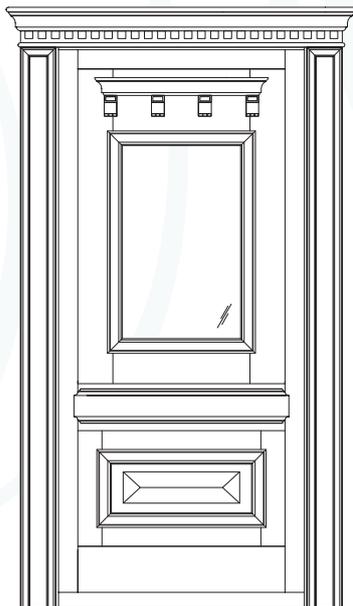
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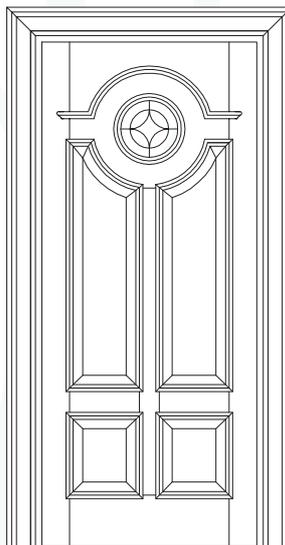
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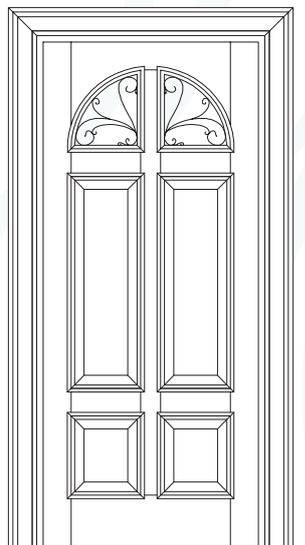
UE-07



UE-08



UE-10



SLIDING DOORS



TECHNICAL DATA:

ESSENCE USED:

spruce, oak, meranti

PROFILE:

For laminated wood joinery, triple-layered profiles with continuous faces with sections 92 x 68mm, 92 x 78mm si 92 x 92 mm are used.

HARDWARE:

AGB – Italy

FINISH:

It is made of impregnants and water-based varnishes (ICA - Italy) resistant to the action of UV rays and high humidity and which retain their color in motion. These factors; the finishes can be made in a broad palette of colors that can satisfy all the clients' requirements.

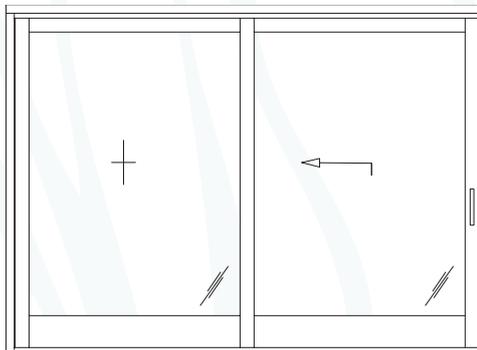
GLASS:

The type of insulating glass, depending on the requirements, can be unicameral or bicameral, with different kinds of glass (Low-E, safety, duplex, ornamental, stained glass).

ADVANTAGES:

- Resistance over time to environmental factors
- Very good and thermal and sound insulating
- Finish in a wide range of colors
- Warranty 5 years

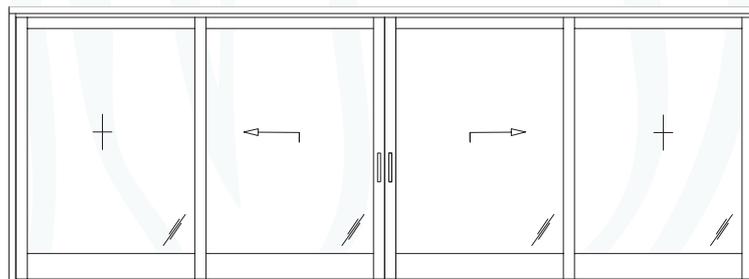
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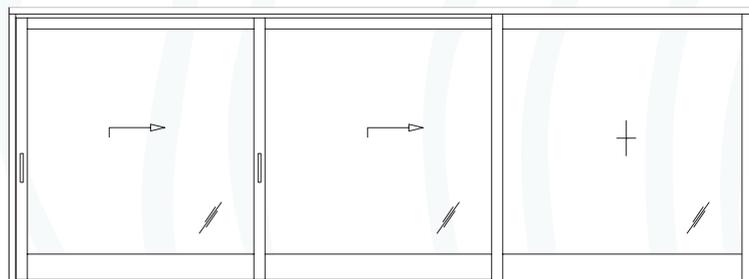
UG-02



UG-03



UG-04





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