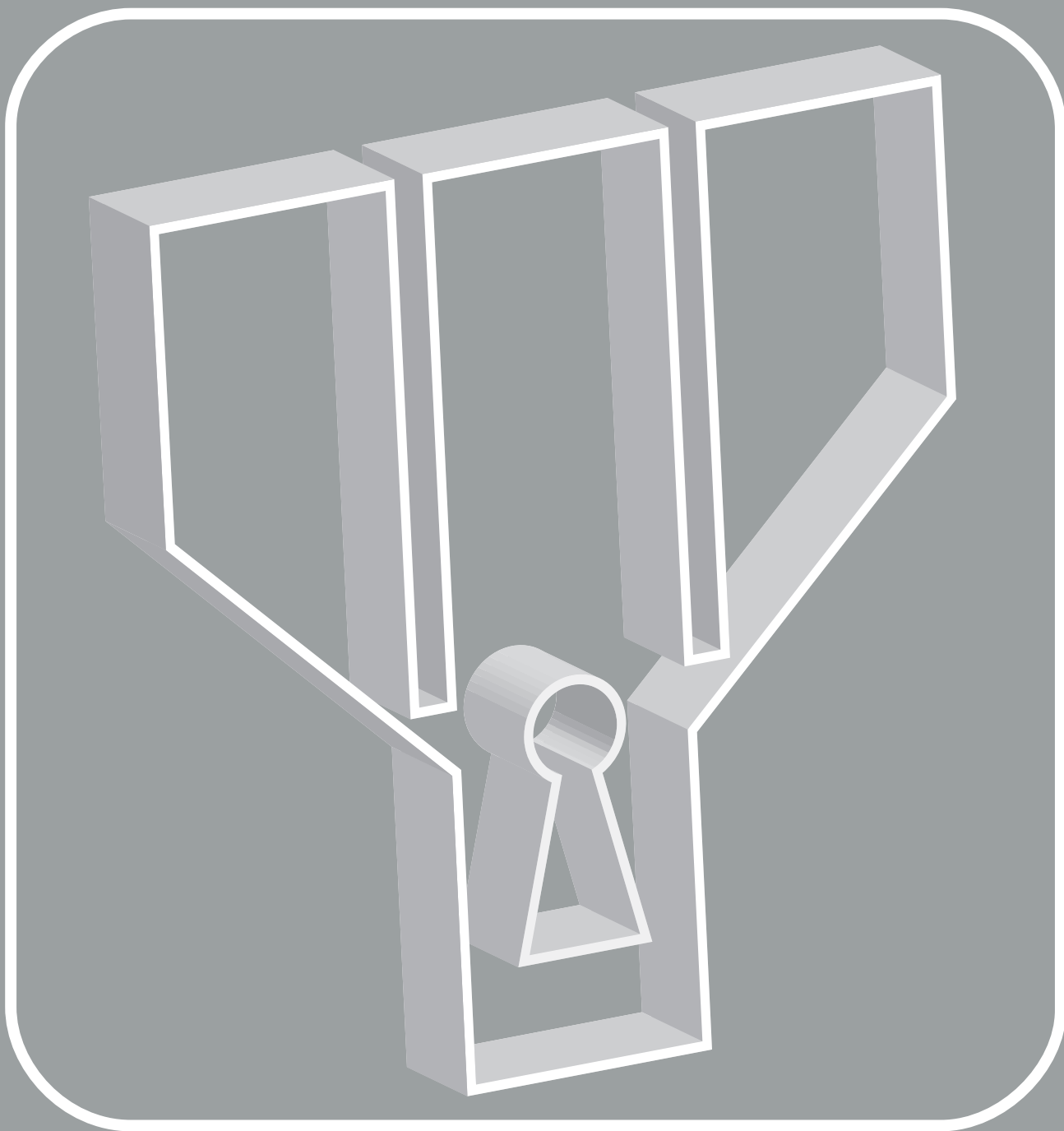


PIACENTINI



A R M O R E D D O O R S



GENERAL CATALOG 2018

*We produce certified quality armored doors in a
technologically organized company, managed with a system of
shared rules with one goal: the satisfaction of our customer; the
only certainty that can assure us a future.*

Mimmo Piacentini

Dolmen pg. 10 - 257

Armored door with visible hinges, 7mm inner panel, finished with a small corner covering.

Dolmen CS pg. 258 - 277

Armored door with hidden hinges, 7mm inner panel, finished with an internal metal post covering.

LEVEL OF PANEL EXPOSURE LEGEND



INTERNAL PLACEMENT
closed environment



WELL SHELTERED
EXTERNAL PLACEMENT
veranda of at least 3m



SHELTERED EXTERNAL PLACEMENT
small awning or balcony



EXTERNAL PLACEMENT
completely exposed

OTHER ICONS



We offer a 10 year guarantee



We offer a 5 year guarantee



We can stain the
doors with any Ral
color.



NEW New Item

ABBREVIATIONS INDEX finished handles

GCTOL	ghi.co.tec (Ghidini Coating Technology) polished brass
F4	anodized bronze
GCTCS	ghi.co.tec satin chrome
F1	anodized silver
F1-SAT	anodized satin silver
OLV	lacquered brass
OLS	satin brass
PVD	polished brass PVD (Physical Vapor Deposition)
OGV.....	aged lacquered brass
OCS.....	satin chrome brass
OCL	polished chrome brass

OTHER ABBREVIATIONS

 P.F. Finished Floor

 P.F.S. Finished Floor Threshold

INDEX

About Us	pag.	6
Armored Door Model Dolmen	pag.	10
Product Certification	pag.	14
Types of Armored Doors	pag.	24
Class 4 New Article	pag.	28
Ready-Made... <i>Giove Series, Marte Series, Minerva Series</i>	pag.	32
Smooth Coverings... <i>detailed laminate, Inserts, engravings</i>	pag.	36
Inlaid Coverings	pag.	48
Brushed Coverings	pag.	56
Hardwood Coverings	pag.	58
Aged Hardwood Coverings	pag.	80
Pantographed Coverings	pag.	84
Aluminum Coverings ... <i>Classic, Style</i>	pag.	108
PVC Coverings	pag.	122
Steel Gratings	pag.	130
Awnings	pag.	134
Faux Finishes ... <i>capitonné, leather</i>	pag.	136
Special Coverings.....	pag.	142
Finishes ... <i>wood trim</i>	pag.	160
Closures ... <i>Mottura Automatic</i>	pag.	164
Closures ... <i>electronic...reader of the print, bluetooth opener</i> New Article	pag.	166
Closures ... <i>recodable cylinder</i>	pag.	170
Optional ... <i>standard or additional...chassis increased / reduced</i> New Article	pag.	178
Optional ... <i>handles</i>	pag.	184
Window	pag.	196
Window... <i>P50</i> New Article	pag.	202
Other items ... <i>frame paint with Ral colors..... galvanized frame</i> New Article	pag.	206
Special Processing ... <i>Side windows</i>	pag.	208
Special Processing ... <i>arched armored doors</i>	pag.	214
Special Processing ... <i>Trifold</i>	pag.	218
Special Processing... <i>armored doors that you can pull</i>	pag.	219
Shipping and Handling	pag.	224
Technical Details ... <i>door frames and stoppers...door frame dismantled</i> New Article	pag.	226
Technical Details ... <i>door mounting ...frame dismantled</i> New Article	pag.	249
Technical Details ... <i>Dolmen coating measurments</i>	pag.	252
Armored Door Model Dolmen CS ... <i>hidden hinges</i>	pag.	258
Dolmen CS ... <i>ready-made</i>	pag.	264
Dolmen CS ... <i>technical details</i>	pag.	267
Dolmen CS ... <i>coating measurments</i>	pag.	276
Some of our work	pag.	278
Notes	pag.	280



Piacentini factory.



Sheet metal processing plant Salvagnini.



About Us



Mimmo Piacentini, owner.



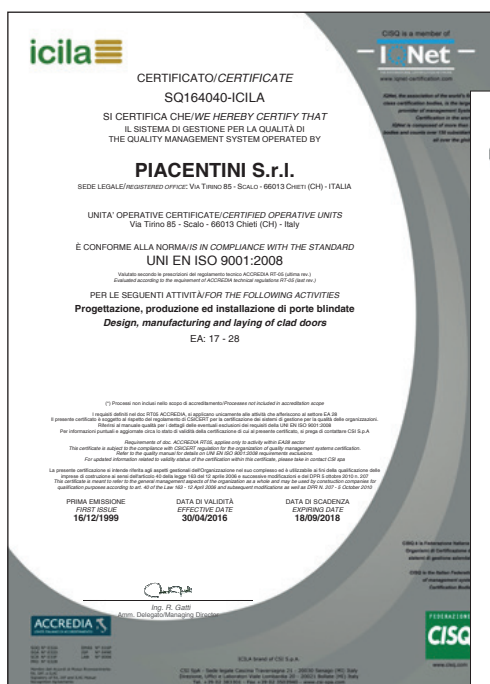
Gianluca Bascelli, head operator.



Mimmo Piacentini with some employees inside the showroom. From the left:
Federica Oliva
order processing.
Genesio Malandra
management control.
Massimo Valente
order processing.
Paola Peca
order processing.
Karina Tovar
supplier orders.
Oreste Luciano
commercial coordinator.
Alessio Di Profio
technical designer.
Giulio Caracci
transport manager.



Groups of representatives and guests during the corporate meeting. 8 and 9 October 2015



Certification of quality management system obtained on 16/12/1999.



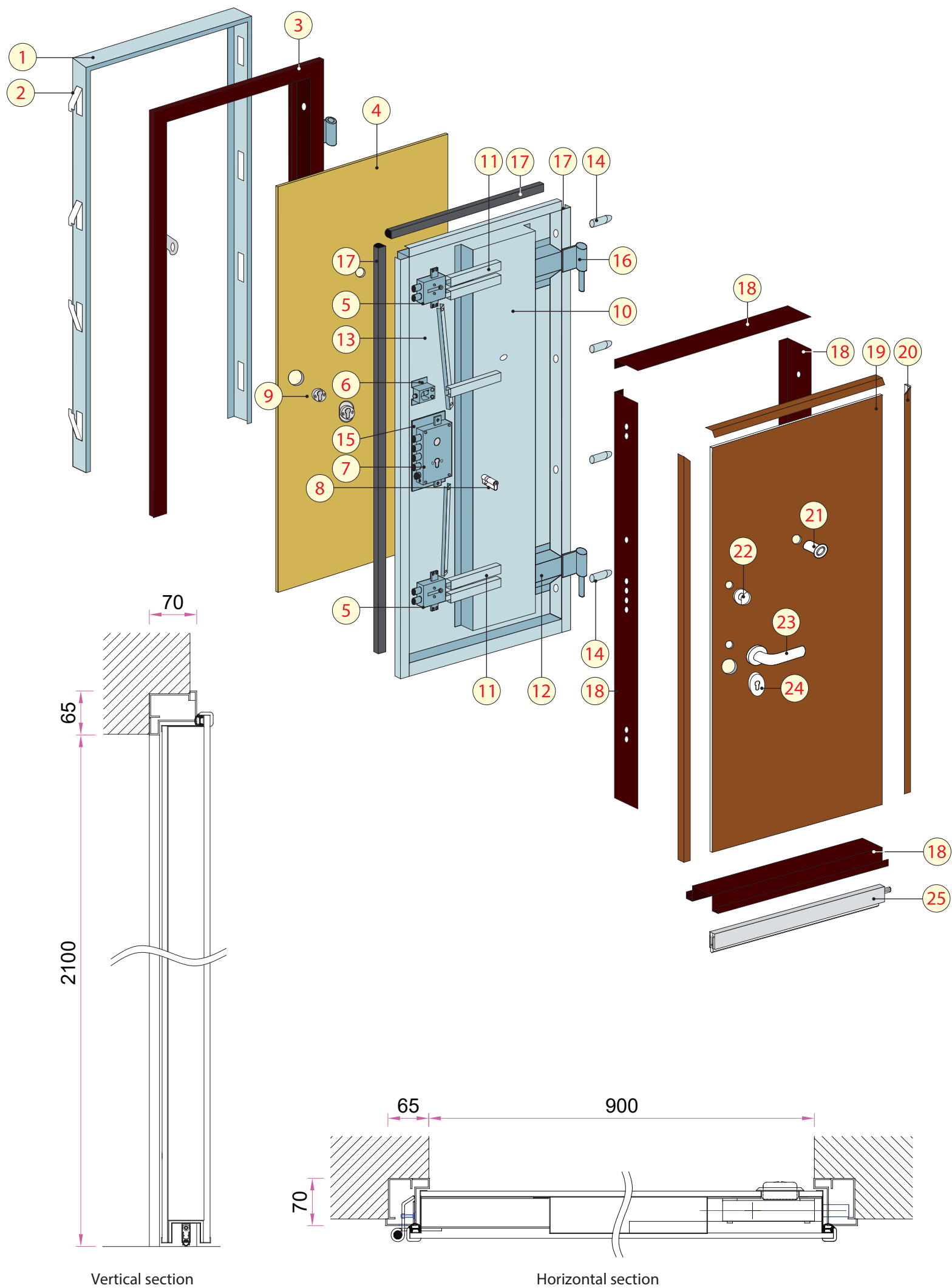
Dear Customer,

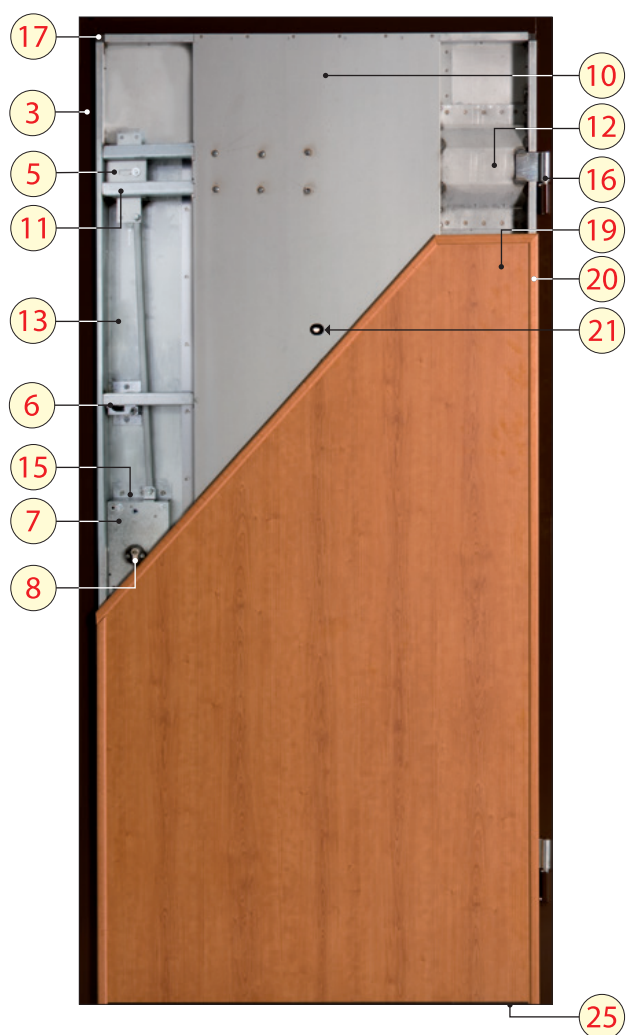
We guarantee your order working within a company with a management system for quality based upon shared rules: the materials used, the completion of the steel frame, the wood panels, the finishing and packaging are all controlled. Every phase of processing is followed by a document which tracks by whom and when it is completed.

We guarantee that your product is transported directly to you, without making stops to other warehouses. This is guaranteed throughout Italy. The phases of production of an armored door are many, and many different types of processes are used, for example the "steel-wood" process; however, in our company we operate based on the principle that: "all processes are only one job" with the goal to deliver a quality product which satisfies the expectations of our customer. For this reason everyone supervises, according to their own capacity and knowledge, until everything has ended well.

Armored Door Dolmen Model

EXPANDED VIEW





Internal look at the Dolmen model

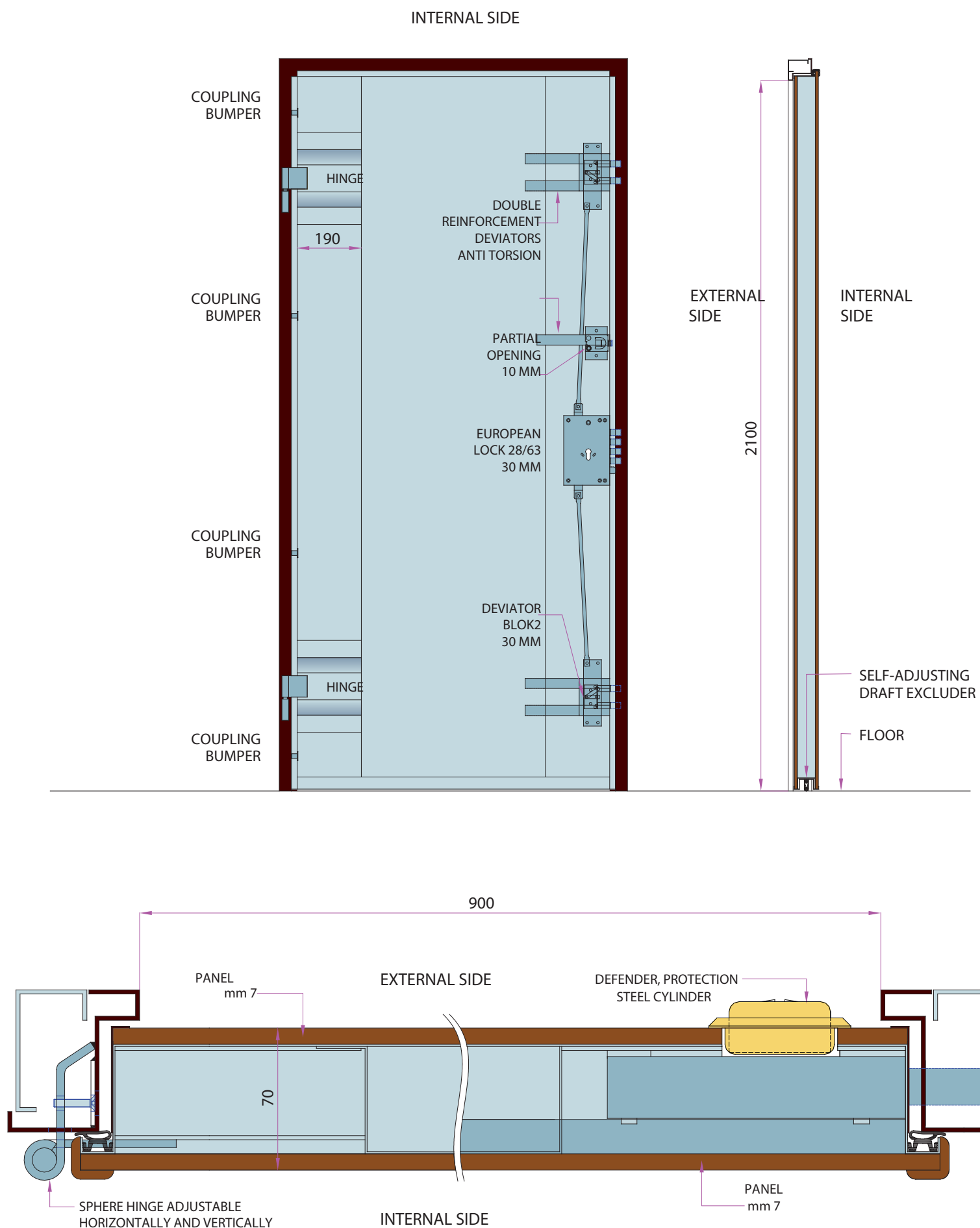


Welding of the door body.

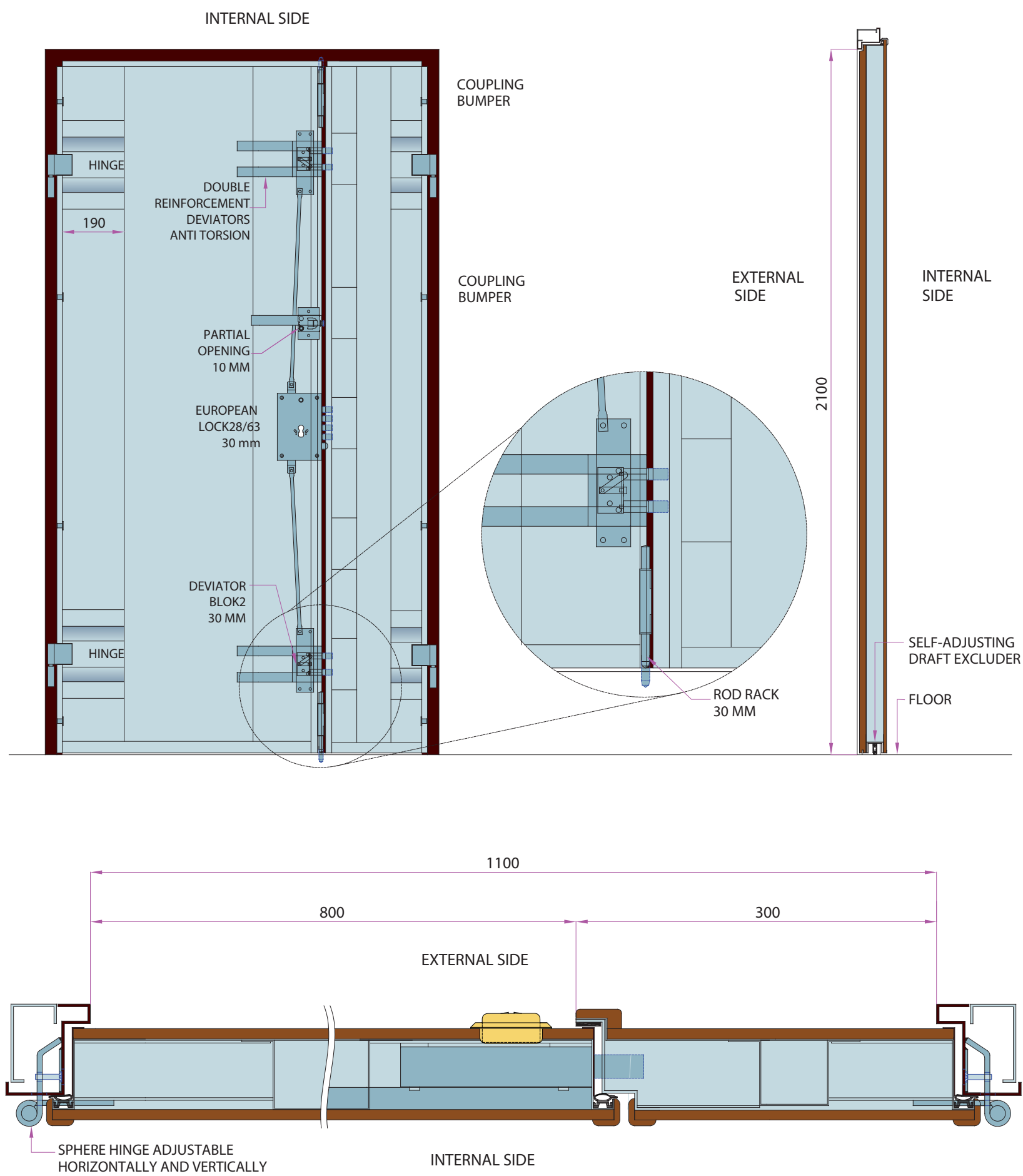
- 1 - Galvanized steel door frame with thickness 2 mm.
- 2 - Anchoring Clamps.
- 3 - Steel chassis with thickness 2 mm, varnished by flame RAL 8017 brown.
- 4 - External panel covering with thickness 7 mm.
- 5 - Double Pointsman Blok2 Ø 18 mm.
- 6 - Partial Opening.
- 7 - Bolted locks Ø 18 mm.
- 8 - Security Cylinder Anti-Drill.
- 9 - Defender, steel cylinder protection.
- 10 - Omega vertical and horizontal inner frame galvanized steel reinforcements with thickness 1 mm.
- 11 - Double reinforced pointsman, galvanazid steel thickness 2 mm.
- 12 - Omega galvanized steel horizontal reinforcement with thickness 2 mm.
- 13 - Body of the armored door in galvanized steel with thickness 1 mm.
- 14 - Coupling bumpers Ø 14 mm.
- 15 - Protective plate for the lock, galvanized steel thickness 2 mm.
- 16 - Horizontal and vertical adjustable sphere hinges.
- 17 - Tubular outer trim made of rubber (like a car) or also in PVC thickness 12 mm.
- 18 - Door frame external finish with thickness 0.8 mm in dark brown unvarnished sheets.
- 19 - Internal panel covering with thickness 7 mm.
- 20 - Internal wooden trim (available also in dark brown unvarnished strips).
- 21 - Panoramic magic eye spy-hole (180°).
- 22 - Knob for partial opening.
- 23 - Handle.
- 24 - Key hole covering Yale.
- 25 - Self-Adjusting draft excluder.

Armored Door Dolmen Model

ARMORED DOOR TO ONE GATE



ARMORED DOOR TO TWO GATE



Product Certification

The armored door model Dolmen is certified anti-burglary and has undergone the tests required by the european directive 89/106 CEE relative to the **CE** marking, the **CE** declaration of system conformity Uni-En 14351-1 including:



ITC-CNR from Milan



CONSORZIO
LEGNOLEGGNO

Legnolegno Union from Correggio (Re).



Anti-burglary: manual attack test.



Anti-burglary: static shock test.



Acoustic isolation test.



Tests: air permeability; holding water; wind resistance.

DOLMEN MODEL CERTIFICATION CHART

NORMATIVE SUMMARY:

EUROPEAN DIRECTIVE 89/106 CEE RELATIVE TO THE **CE** MARKING
Establishes that all products placed on the European market must be **CE** marked.

CE DECLARATION OF SYSTEM CONFORMITY UNI-EN 14351-1

It is the norm for the product of **CE** marking of the external fixtures.

TESTIMONIAL SYSTEM CONFORMITY 3

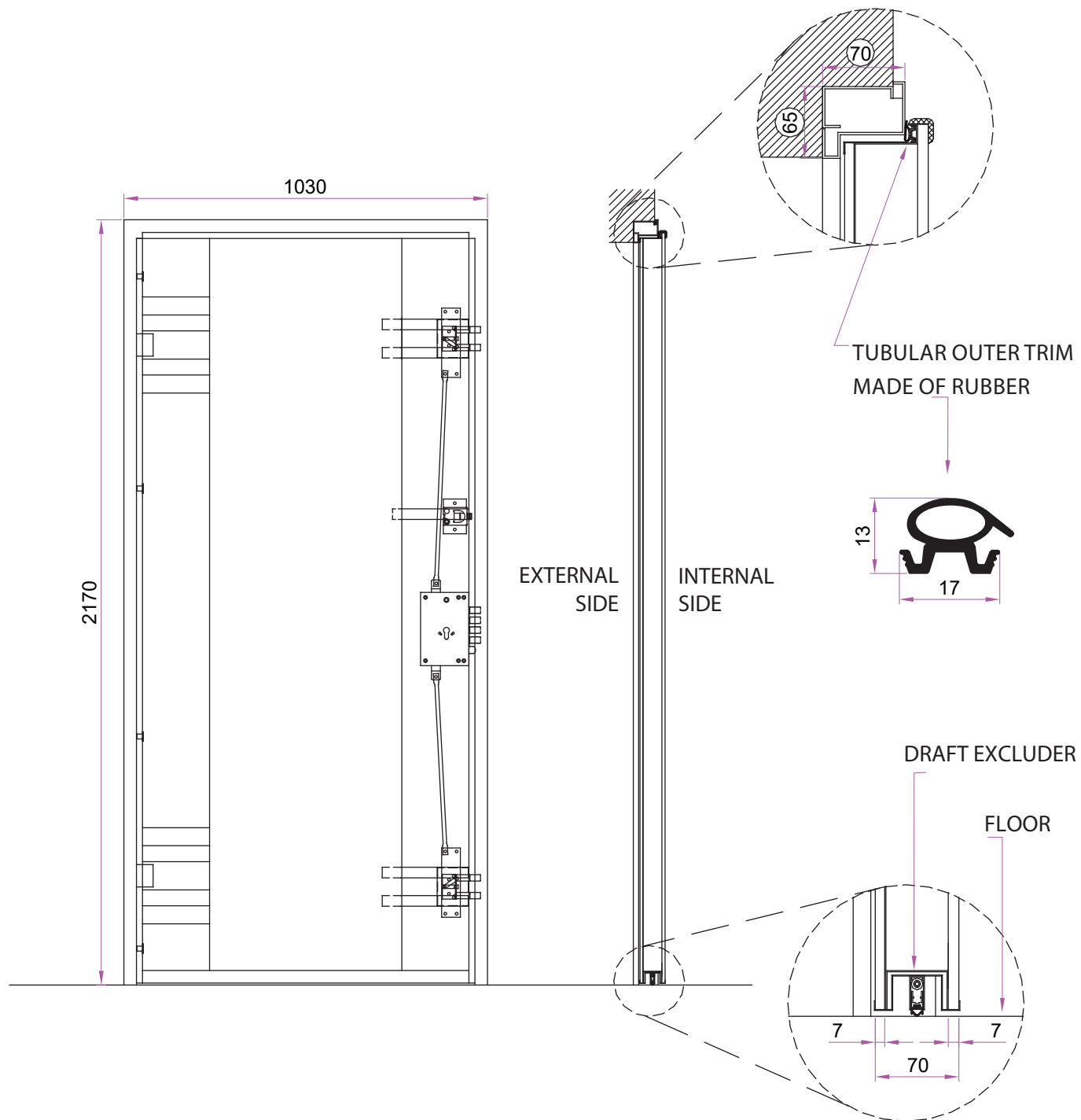
Provides that the producer follows the initial tests, for example in a notified laboratory, (see next page) and controls the production with established rules.

Armored doors submitted to tests such as	Anti-burglary	Air permeability	Holding water	Wind resistance	Thermal transfer	Acoustic isolation
Norm reference:	Uni En 1627-1628 1629 - 1630	Uni En 12207 Uni En 1026	Uni En 12208 Uni En 1027	Uni En 12210 Uni En 12211	Uni En 10077/1-2 D.lgs 311/2006	Uni En Iso 140/3 En Iso 717-1
Classifications:	min 1 max 6 (reference range)	min 1 max 4 (reference range)	min 1A max 9A (reference range)	min A1 max C5 (reference range)	Minor is the value, the greater the thermal insulation power	The higher the value, the greater the noise isolation power
Results from base tests on the blind armored doors Dolmen model single leaf and double leaf net light between cm143x246	class 3	class 1	NDP*	class C5	2,44 w/m ² k	31 dB
Results from tests with thermo-acoustic kit on armored doors Dolmen model single leaf with net light between 115x230 (thermo-acoustic kit composed of rockwool insulation, double rubber seal and wall-chassis rubber seal)	Class 3	Class 2	NDP*	Class C5	1,49 w/m ² k	45 dB
Results from tests with water kit on blind armored doors Dolmen model single leaf net light between 115x230 cm (water kit consists of closing door against aluminum bar, rockwool insulation, double rubber seal and wall-chassis rubber seal)	Class 3	Class 2	Class 3A	Class C5	1,49 w/m ² k	45 dB
Results from tests with additional thermo-acoustic kit on armored doors Dolmen model single leaf with net light between 115x230 (thermo-acoustic kit composed of rockwool insulation, double rubber seal and wall-chassis rubber seal).	Class 3	Class 2	NDP*	Class C5	1,37 w/m ² k	45 dB

NOTE: * NDP = No Declared Performance.

Product Certification

DOLMEN MODEL and test results



Test results on Dolmen model with thermo-acoustic kit (composed of rockwool insulation, double rubber seal and wall-chassis rubber seal) on blind armored door one gate with net light between 115x230 cm:

Anti-burglary: Uni En 1627-30, testing method and classification class 3
 Air permeability: Uni En 1026 testing method, Uni En 12207 classification class 1
 Water Holding: Uni En 1027 testing method, Uni En 12208 classification class NDP*
 Wind Resistance: Uni En 12211 testing method, Uni En 12210 classification class C5
 Thermal transfer: Uni En Iso 10077/1-2 testing method, results $U_d = 2,44 \text{ W/m}^2\text{K}$
 Acoustic isolation: Uni En Iso 140/3 testing method, En Iso 717-1, results $R_w 31 \text{ dB}$



Anti-burglary class 3.



Air permeability class 1.



Wind Resistance class C5.



Acoustic isolation Rw 31 dB.



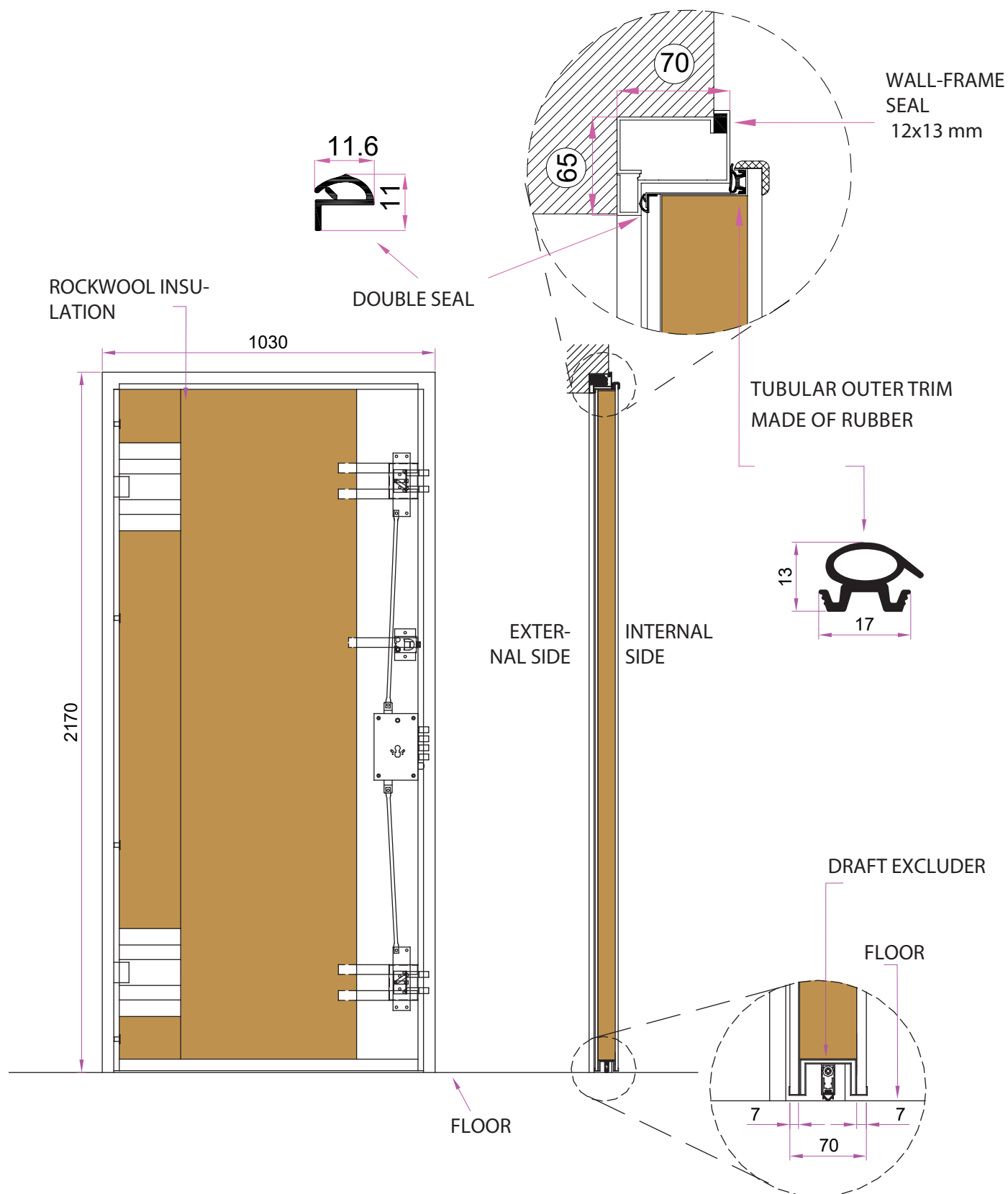
Thermal transfer 2,44 W/m²K.



CE Markings

Product Certification

DOLMEN MODEL with thermo-acoustic kit and test results



Test results on Dolmen model with therm (composed of rockwool insulation, double rubber seal and wall-chassis rubber seal) on blind armored door one gate with net light between 115x230 cm:

Anti-burglary: Uni En 1627-30, testing method and classification class 3
 Air permeability: Uni En 1026 testing method, Uni En 12207 classification class 2
 Water Holding: Uni En 1027 testing method, Uni En 12208 classification class NDP*
 Wind Resistance: Uni En 12211 testing method, Uni En 12210 classification class C5
 Thermal transfer: Uni En Iso 10077/1-2 testing method, results $U_d = 1,49 \text{ W/m}^2\text{K}$
 Acoustic isolation: Uni En Iso 140/3 testing method, En Iso 717-1, results $R_w 45 \text{ dB}$

NOTE: * NDP = No Declared Performance.



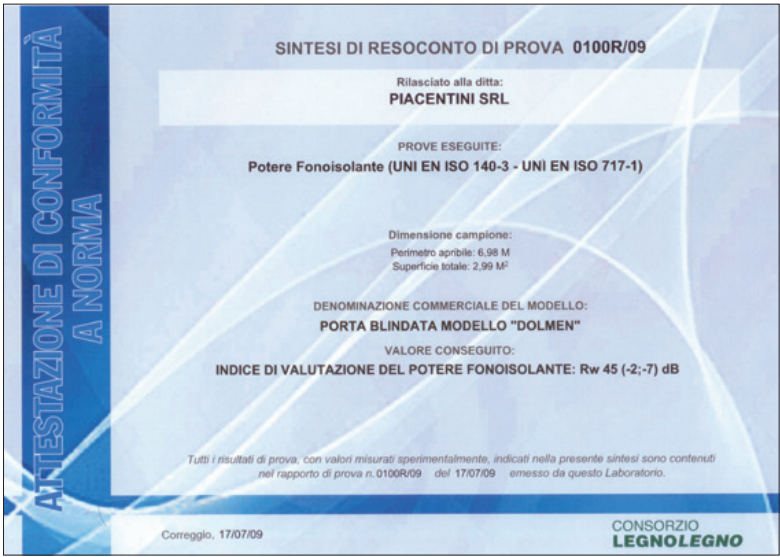
Anti-burglary class 3.



Air permeability class 2.



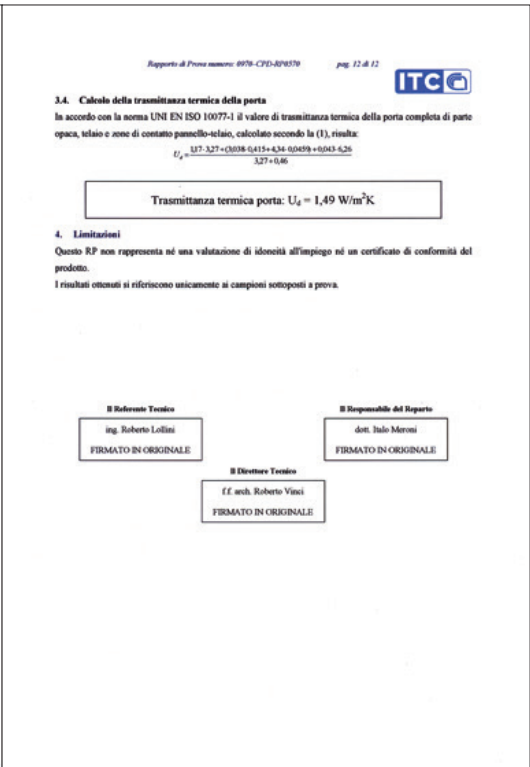
Wind Resistance class C5.



Acoustic isolation Rw 45 dB.



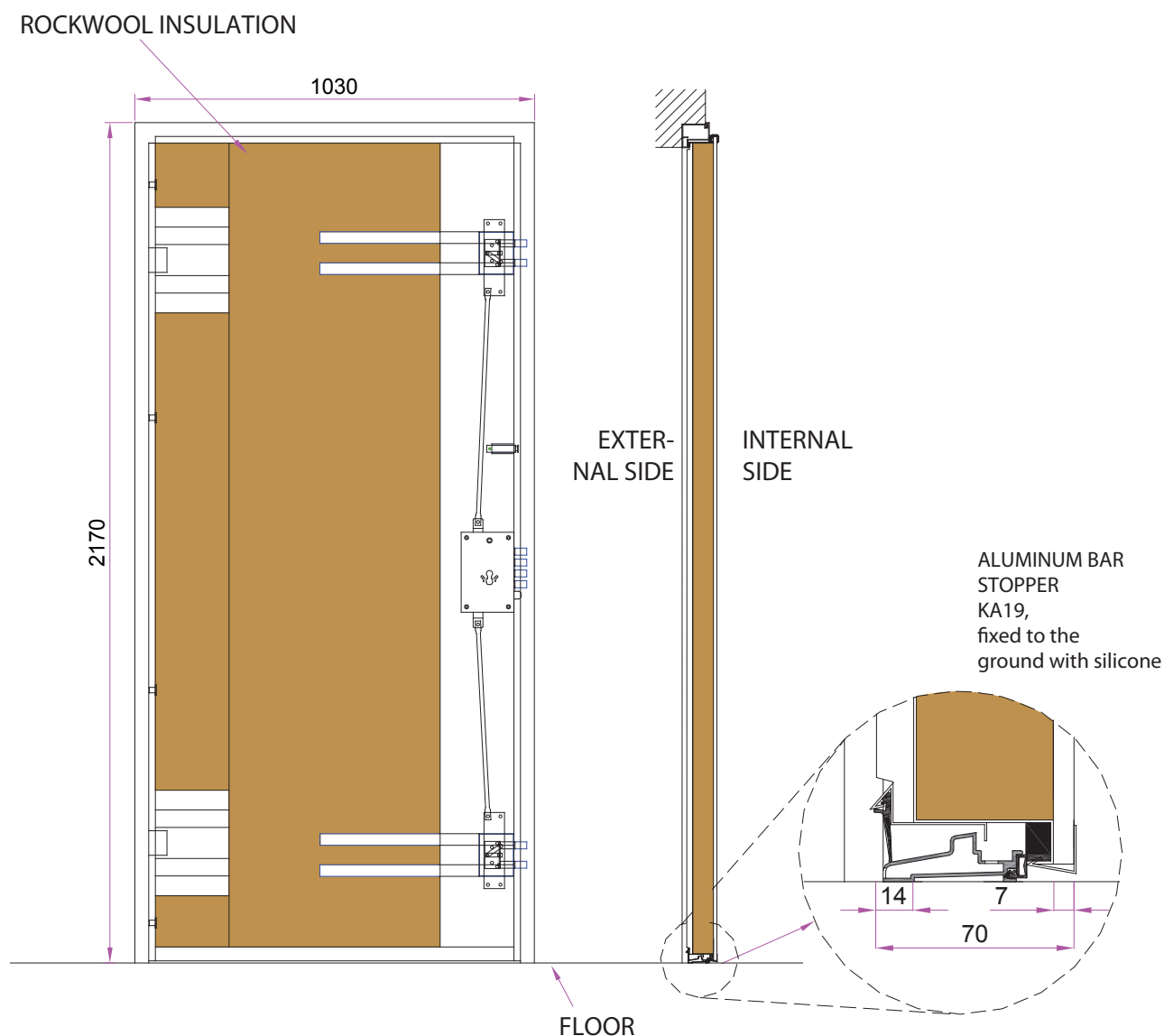
Thermal transfer 1,49 W/m²K.



CE Markings

Product Certification

DOLMEN MODEL with water kit and test results



Test results on model Dolmen with water kit (composed of KA19 aluminum bar, rockwool insulation, double rubber seal and wall-chassis rubber seal) on blind armored door one gate with net light between 115x230 cm:

Anti-burglary: Uni En 1627-30, testing method and classification	class 3
Air permeability: Uni En 1026 testing method, Uni En 12207 classification	class 2
Water Holding: Uni En 1027 testing method, Uni En 12208 classification	class 3A
Wind Resistance: Uni En 12211 testing method, Uni En 12210 classification	class C5
Thermal transfer: Uni En Iso 10077/1-2 testing method, results	Ud = 1,49 W/m ² K
Acoustic isolation: Uni En Iso 140/3 testing method, En Iso 717-1, results	Rw 45 dB



Anti-burglary class 3.



Air permeability class 2 and water resistance class 3A.



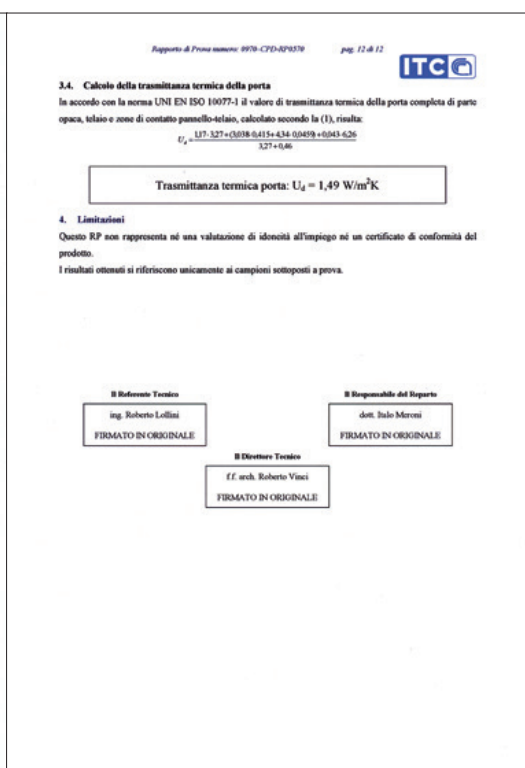
Wind Resistance class C5.



Acoustic isolation Rw 45 dB.



Thermal transfer 1,49 W/m²K.

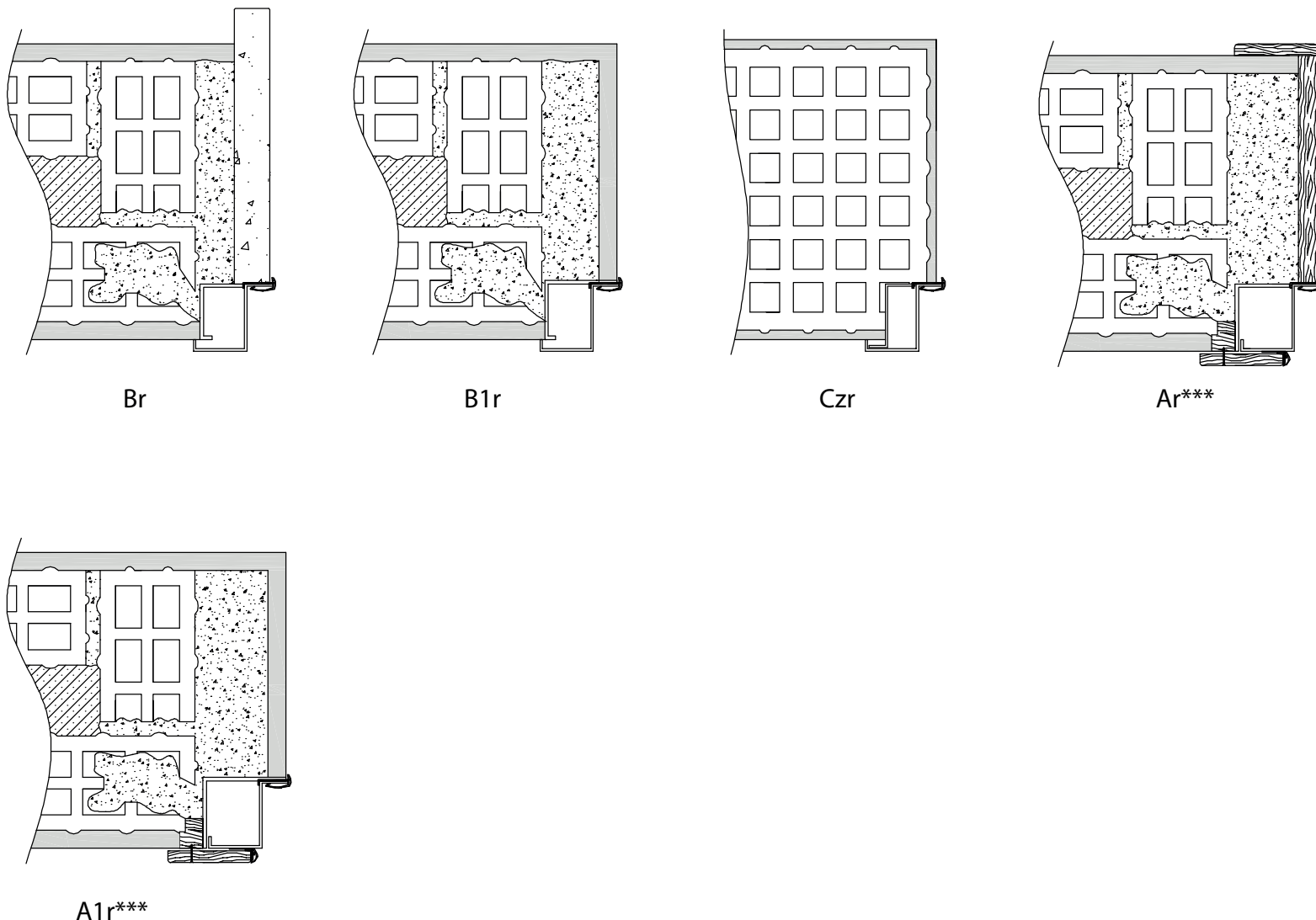


CE marking

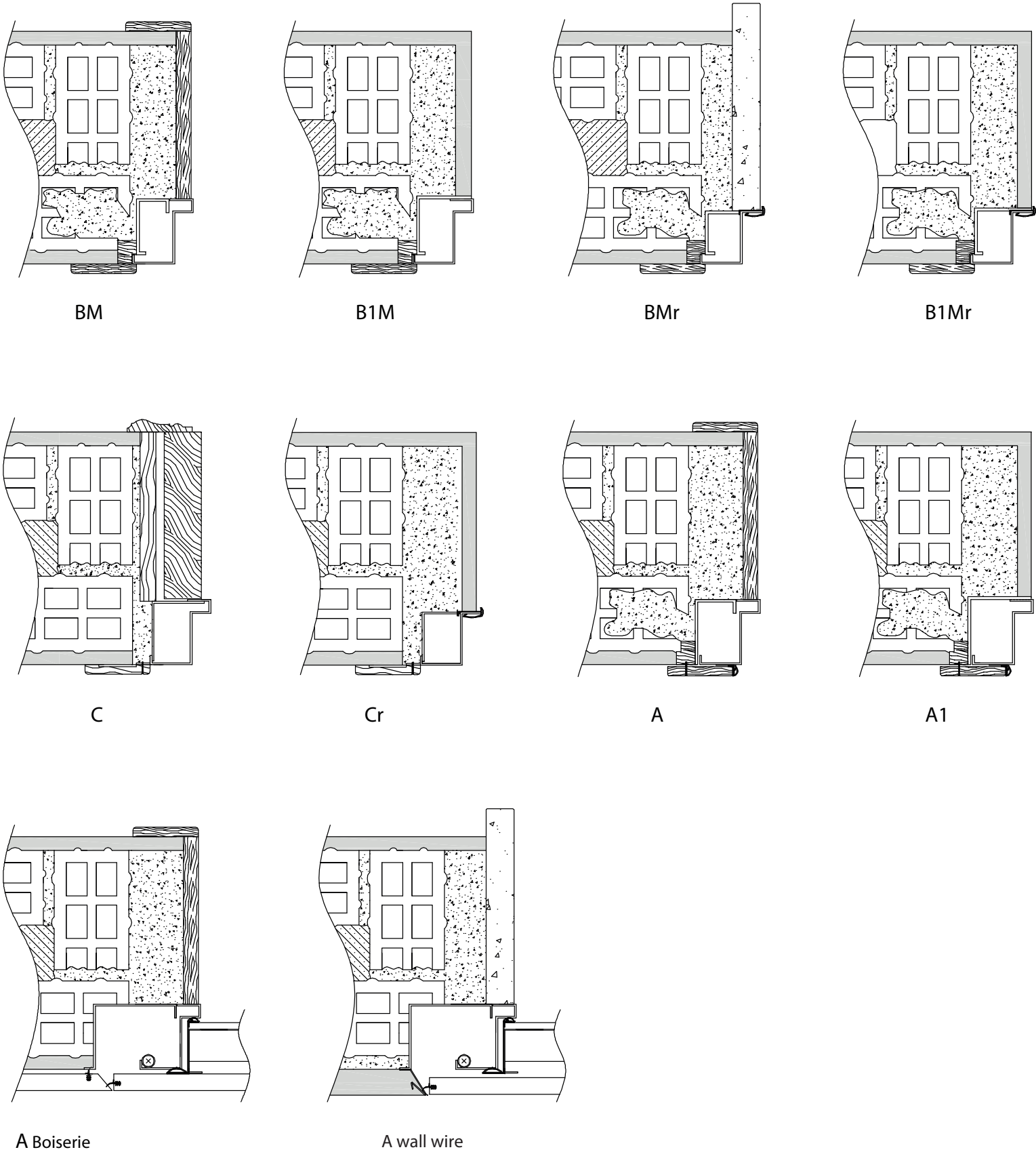
Product Certification

ADDITIONAL THERMO-ACOUSTIC KIT* on blind armored door one gate with net light between cm115x230
To improve the thermal transmittance performance we can choose 2 types of solutions:

Type 1: Put the gasket on the chassis thermal transmittance: $U_d = 1.36^{**} \text{ W/m}^2 \text{ K}$



Type 2: Put the internal thermal transmittance: $U_d=1.37 \text{ W/m}^2 \text{ K}$



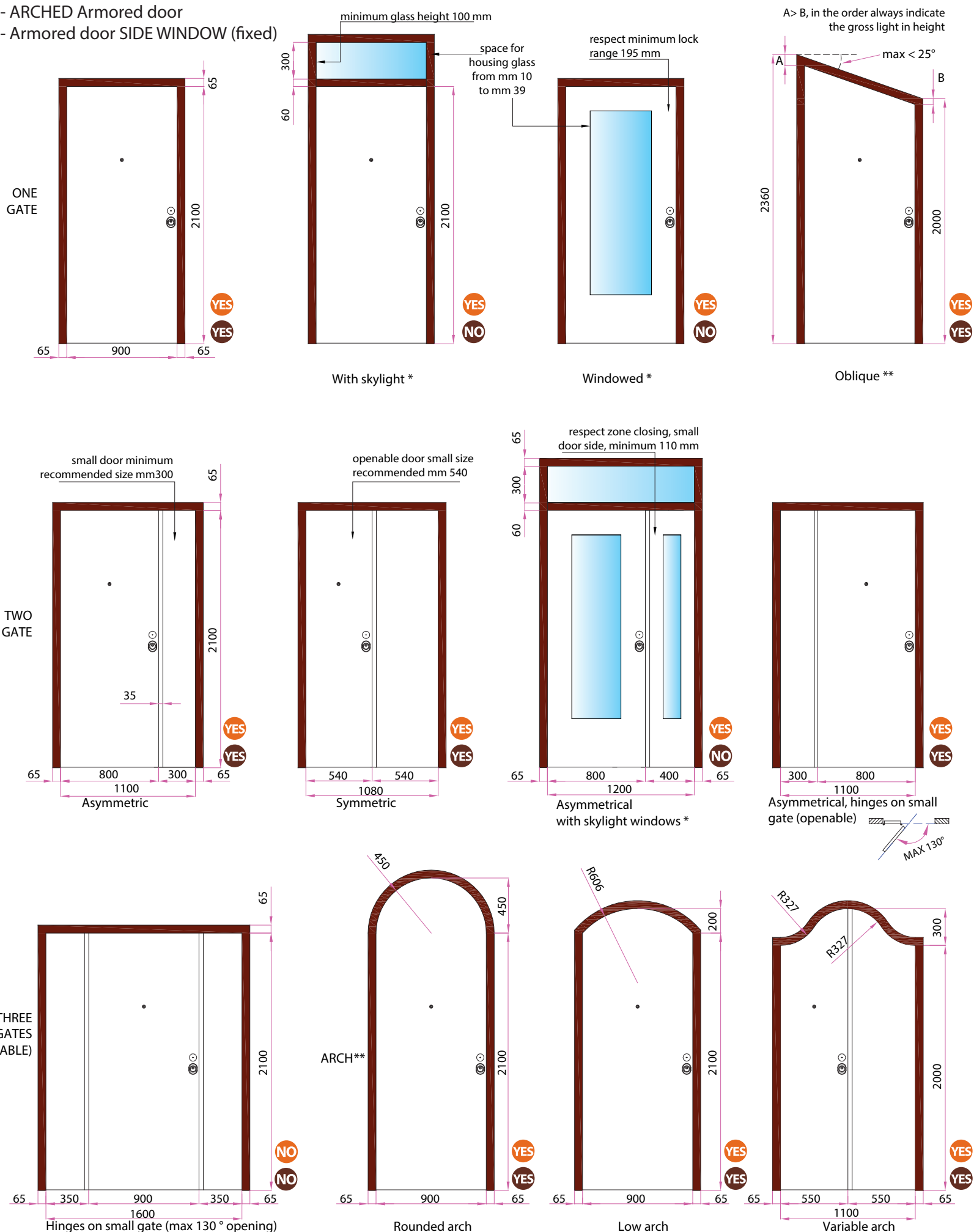
NOTES: * To obtain certified performance, the door must already be equipped with the Acoustic-Acoustic Kit or Water Kit to which the Additional Kit
 ** The certificate will always be issued with a value of 1.37 w / m2K for simplification reasons.
 *** The cassettes Ar, A1r, BMr and B1Mr are already certified with the interior display, so we can also not put the gasket on the chassis.

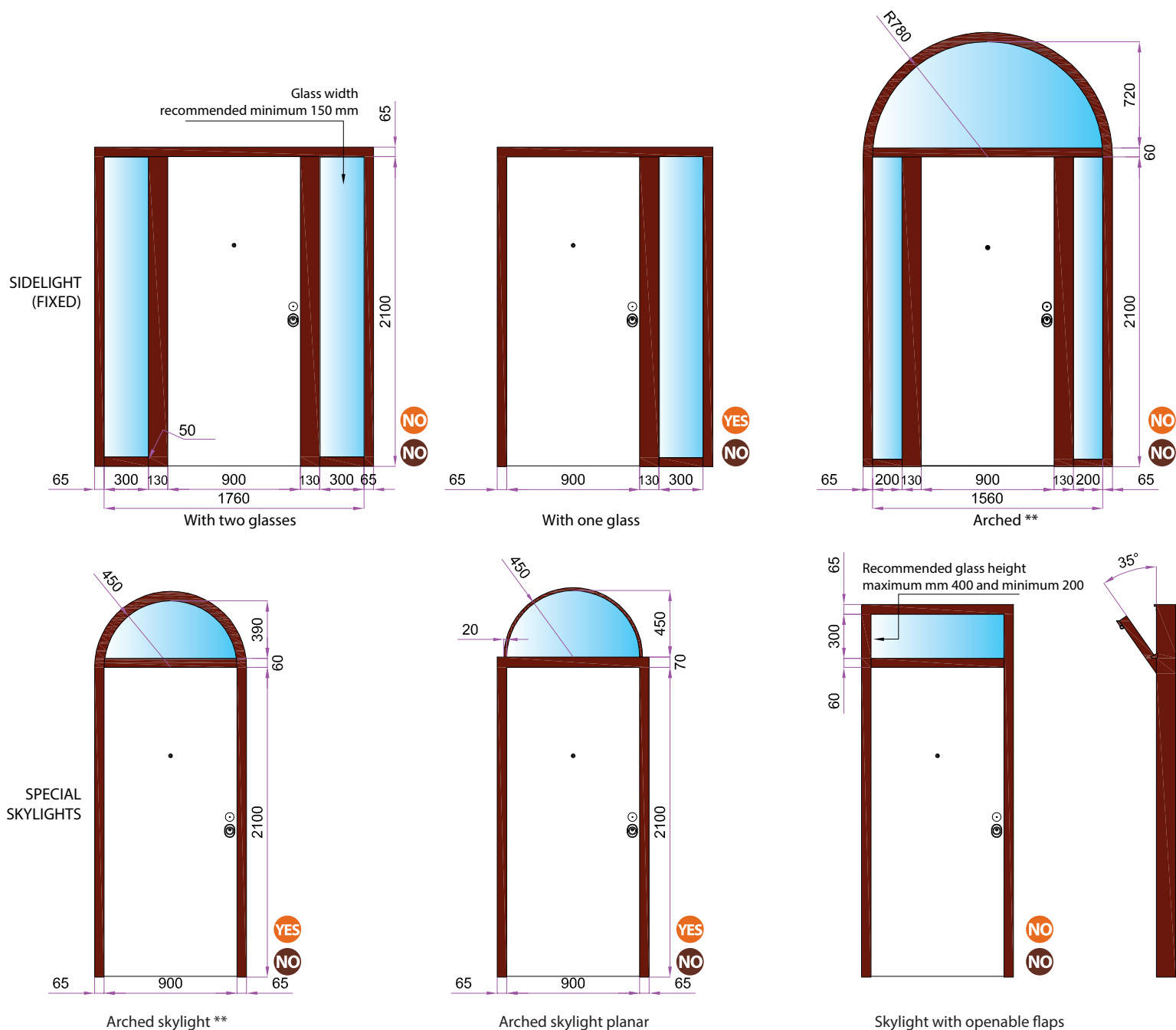
Types of Armored Doors

DOLMEN MODEL

Our armored doors can be classified into 5 groups:

- Armored door ONE GATE
- Armored door TWO GATES
- Armored door THREE GATES (openable)
- ARCHED Armored door
- Armored door SIDE WINDOW (fixed)





The certifications acquired are not applicable to all the different types of armored doors and to the various ones with skylight* and panes*.

In order to facilitate the understanding of the applicability we divided the certifications into 2 groups:

- Anti-Burglary:
 - Applicability YES
 - Applicability NO
- Air permeability
- Water holding
- Wind resistance
- Thermal transfer
- Acoustic isolation

NOTES: The designs are external views of the armored doors. From this view the doors would be pushed open, to the left.

If the door is less than 250 mm, the plaster is not mounted.

* The doors with skylight or window panes preserve the certification class 3 if the mounted glass corresponds to the Anti-Burglary resistance UNI EN 356 class 5, such as our bulletproof glass SG 19/21 or P20 (see chapter on windows pg. 201).

** We can only provide the arched and oblique doors only with the door frame "C" (see chapter on technical details pgs. 238-241)

Types of Armored Doors

DOLMEN MODEL

Some rules, so as to not make a mistake, before processing an order.

- The first thing to decide is the type of the armored door and the direction it opens.
- Consider that the chassis and door frame take up 6,5 cm.
- The measurements must be referred to in net light, for example: measure of net light of a door 90 cm corresponds to an availability of gross space of the wall of 103 cm, and a net light height of the door of 210 corresponds to a measure of gross light of the wall of 217 cm.

Therefore

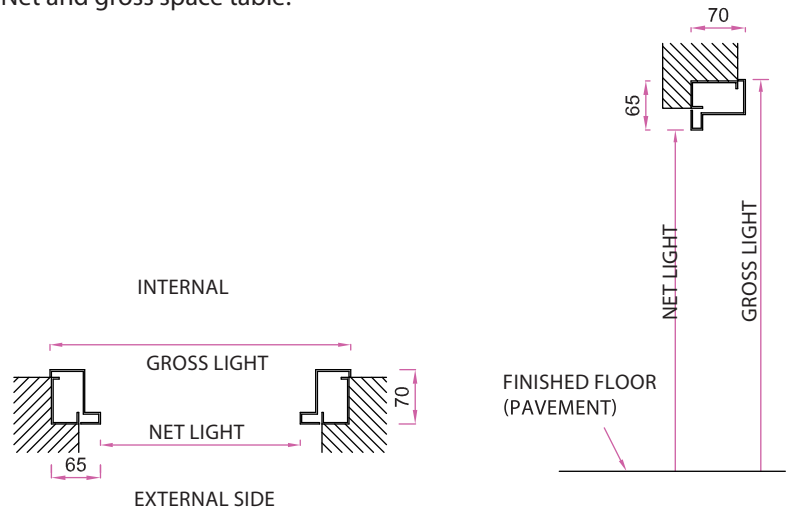
Width: net light + 13 cm

Height: net light + 7 cm

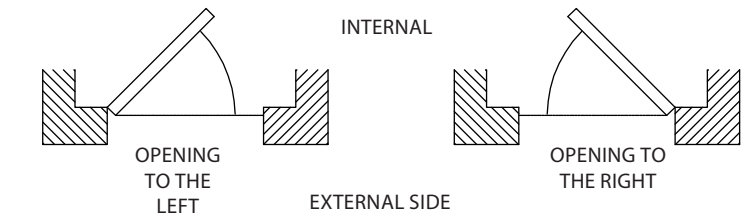
It is important to make sure of the availability of space, otherwise the door cannot function.

STANDARD MEASUREMENTS OF THE ARMORED DOORS			
	W x H	W x H	W x H
NET LIGHT mm	800 x 2100	850 x 2100	900 x 2100
GROSS LIGHTmm	930 x 2170	980 x 2170	1030 x 2170

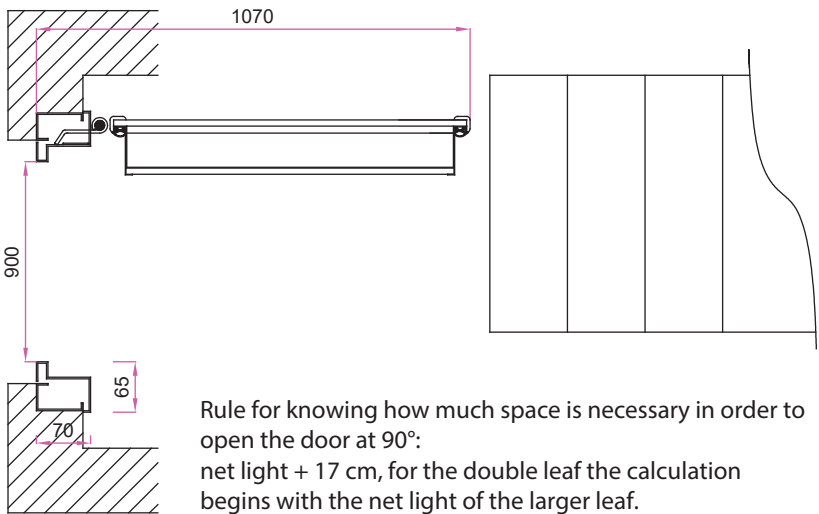
Net and gross space table.



Identification net and gross light



Push to open



Rule for knowing how much space is necessary in order to open the door at 90°:
net light + 17 cm, for the double leaf the calculation begins with the net light of the larger leaf.

Space of door opened at 90°.

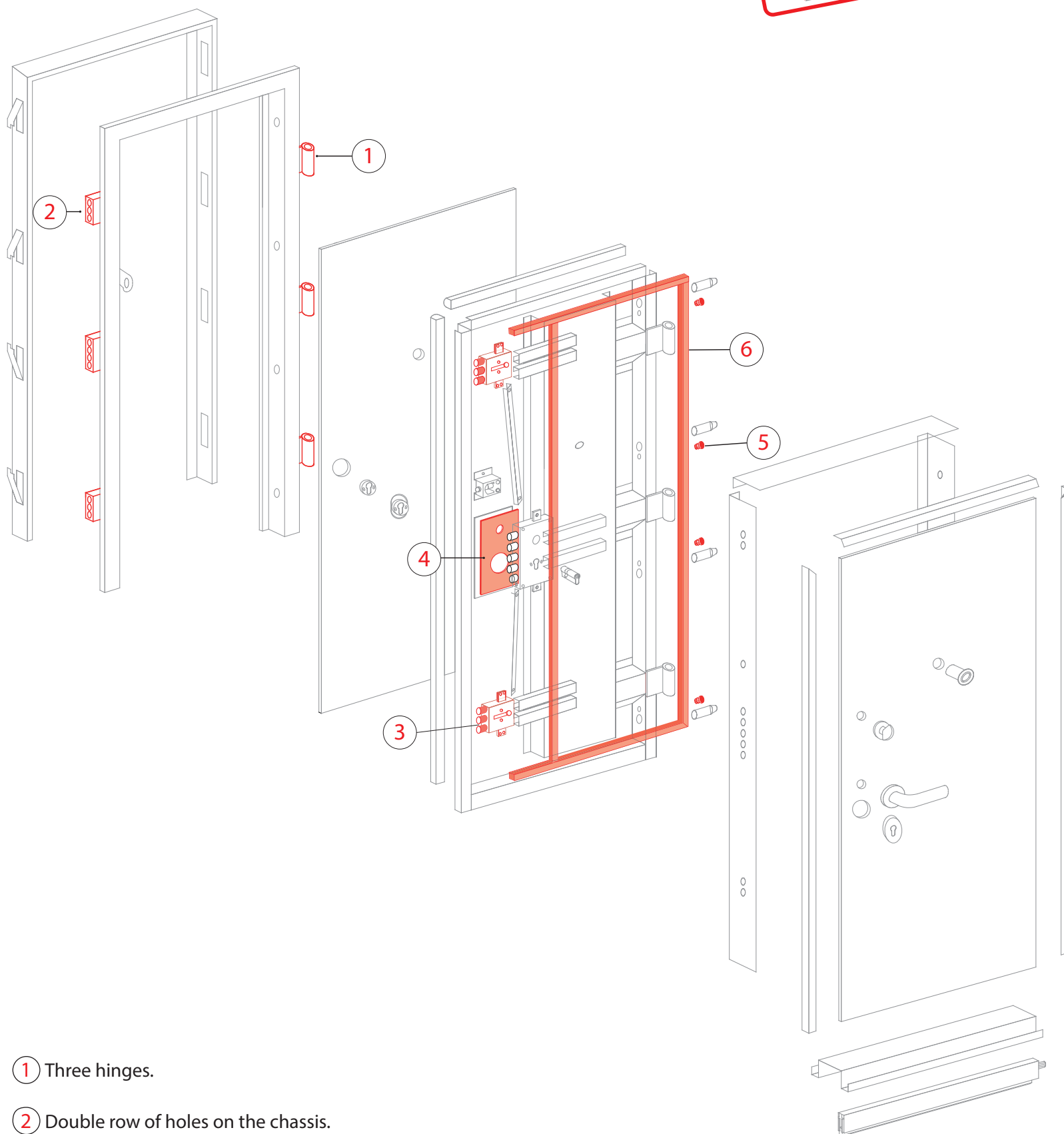


Production line of armored doors.

Class 4

QUALIFIED CHARACTERISTICS Class 4 Enforcement Certification

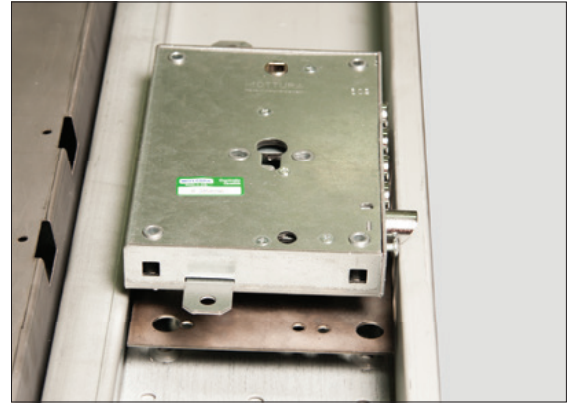
**NEW
ARTICLE**



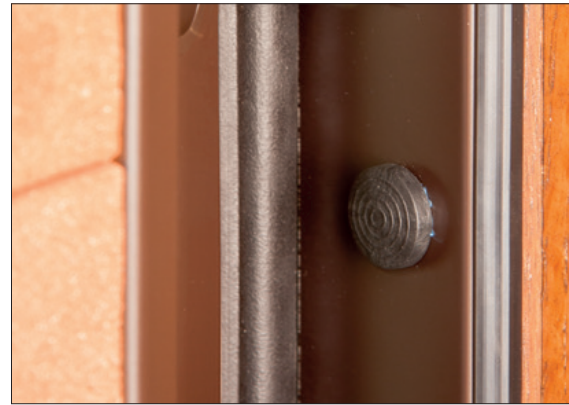
- ① Three hinges.
- ② Double row of holes on the chassis.
- ③ Three-blade louvers Ø mm 18.
- ④ Antitrapane manganese plate.
- ⑤ Stubble rubber tips.
- ⑥ Reinforcing chassis mm 35x35x2, inside the door frame.



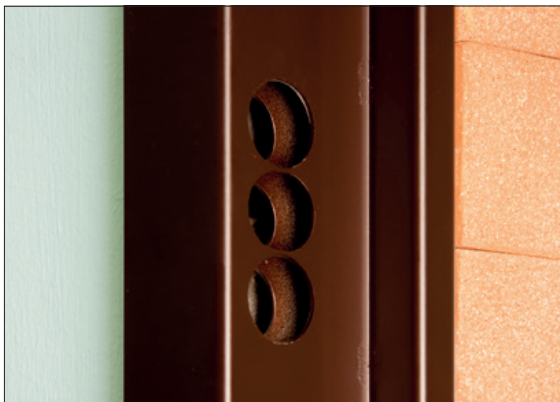
1- Three hinges to give more strength when forced. On the hinge side there are always the strudel strings.



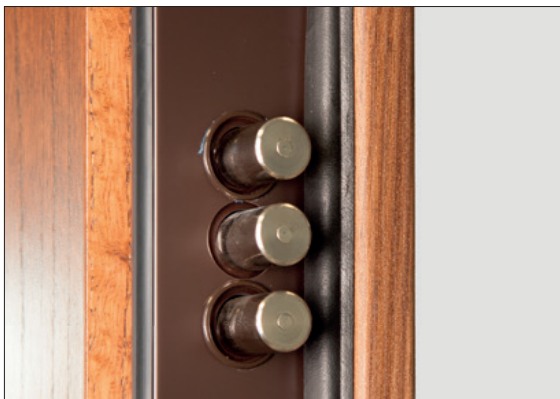
4- Manganese plate thickness mm2, anti-reflective. In addition to the normal anchor plate also of mm2.



5- Stubble rubber tips. They absorb the horizontal force exerted by the pork's foot, which goes from the lock side to the hinge side.



2- Double row of holes on the chassis so that the bolt has a double support.



3- Three Ø18 louvers. Increasing the closure points increases resistance to forcing.



6- Reinforced chassis 35x35x2 mm inside the frame. It serves to give stiffness to the armored door and to preserve the closure points at the moment of forcing.

Class 4

CLASS 4 certification has been obtained in accordance with the UNI EN 1627-1628-1629-1630 anti-discrimination standard.

Tests done at  CONSORZIO
LEGNOLEGNO



Anti-ejection: static attack test.



Anti-Ejection: manual attachment test.

**ATTESTAZIONE DI CONFORMITÀ
A NORMA**

SINTESI DI RESOCONTO DI PROVA 0007A/16

Rilasciato alla ditta:
PIACENTINI SRL

PROVE ESEGUITE:

- Resistenza all'effrazione sotto carico statico (UNI EN 1628 - UNI EN 1627)
- Resistenza all'effrazione sotto carico dinamico (UNI EN 1629 - UNI EN 1627)
- Resistenza all'effrazione all'azione manuale (UNI EN 1630 - UNI EN 1627)

Dimensione campione:
Perimetro apribile: 6,16 m
Superficie totale: 2,24 m²

DENOMINAZIONE COMMERCIALE DEL MODELLO:
PORTA BLINDATA SERIE "DOLMEN-CS-C4"

CLASSIFICAZIONE CONSEGUITA:
RESISTENZA ALL'EFFRAZIONE PORTA UNI EN 1627 RC 4

La Direzione Generale
Stefano Mora
Tutti i risultati di prova, con valori misurati sperimentalmente, indicati nella presente sintesi sono
contenuti nel rapporto di prova n. 0007A/16 del 14/07/2016 emesso da questo Laboratorio.
Il Direttore Tecnico
Ing. Antonio D'Alto

Correggio, 14/07/2016

**CONSORZIO
LEGNOLEGNO**

Class 4 proofing certificate.

Types of Armored Doors

A Dolmen Model door

Net light max cm 105x230.

With door frame type:

B

B1 (welded plate)

C

CZ

CR

CZR

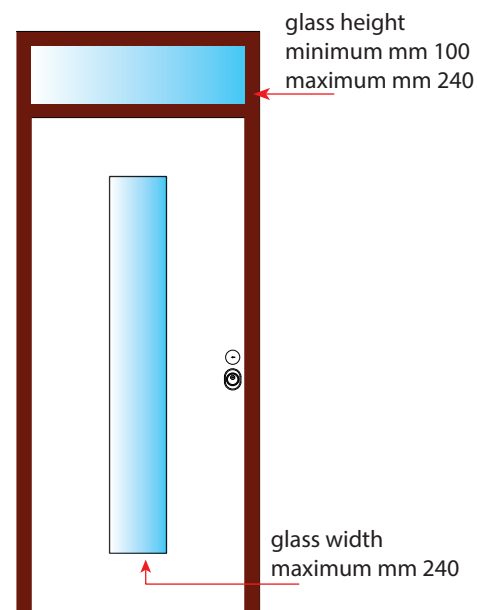
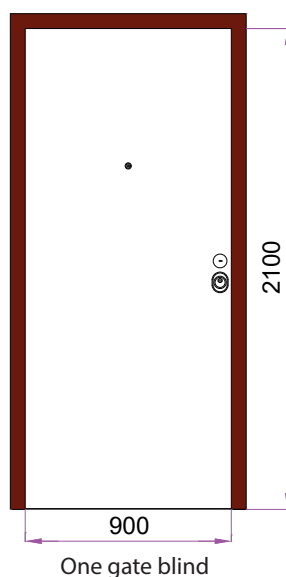
A Dolmen CS Model door

Net light max cm 105x230.

With door frame type:

A

A1 (welded plate)



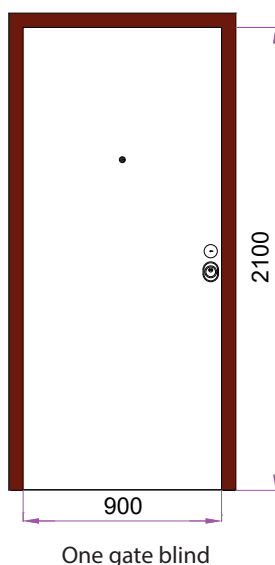
A door with skylight and windowed

A Model door **CS FILO MURO**

Net light max cm 105x230.

With door frame type:

A wall wire



The C4 armored door must always be matched with the following items (if not already in the order):

Locks:	Mottura lock on delivery Mottura gear lock Service lock
Defender:	Defender with Cipierre cover Defender with key entry protection Disec
Cylinder:	Riella R3 cylinder High security cylinder Dom IX6 SR
Seal:	Double seal
Sheet metal	Double lateral sheet

TECHNICAL CHARACTERISTICS OF THE ARMORED DOOR MODEL DOLMEN

Steel chassis thickness 2 mm RAL 8017 brown, the door body made of galvanized steel thickness 1 mm, omega vertical and horizontal frame reinforcements made of galvanized steel thickness 1 mm, double upper and lower pointsman, double pointsman reinforced with galvanized steel thickness 2 mm, n° 4 coupling bumpers, n° 2 horizontal and vertical adjustable sphere hinges, european lock without cylinder, panoramic peephole (180°).

The Dolmen model is offered in three different predispositions:

- *GIOVE Series* general predisposition
- *MINERVA Series* predisposition proposed by quantity
- *MARTE Series* predisposition based on price

The common characteristic of the three series of the Dolmen model base is that we can certify that we can offer always a quality product.

Differences between the series

GIOVE Series

Types of feasible doors:

one leaf, two leaves, three leaves, windowed, skylight, side light, standard and measured.

Finish: optimum, corners made of wood and the handles made of polished aluminum brass.

Coverings: all the types in the catalog and the finished designs.

Minimum order: one item.

Ideal for: reselling.

MINERVA Series

Types of feasible doors:

only a blind one leaf door with standard measurements net light 80-85-90x210 cm.

Finish: good, dark brown internal corners made of unvarnished sheet metal and the handles made of bronzed aluminum.

Coverings: all the types in the catalog for standard blind doors.

Minimum order: 10 equal items.

Ideal for: builders.

MARTE Series

Types of feasible doors:

only one leaf door with standard measurements net light 90x210 cm.

Finish: adequate, dark brown corners made of unvarnished sheet metal, economic cylinder and handles.

Coverings: only printed tanganyika with medium walnut stain.

Minimum order: 30 items.

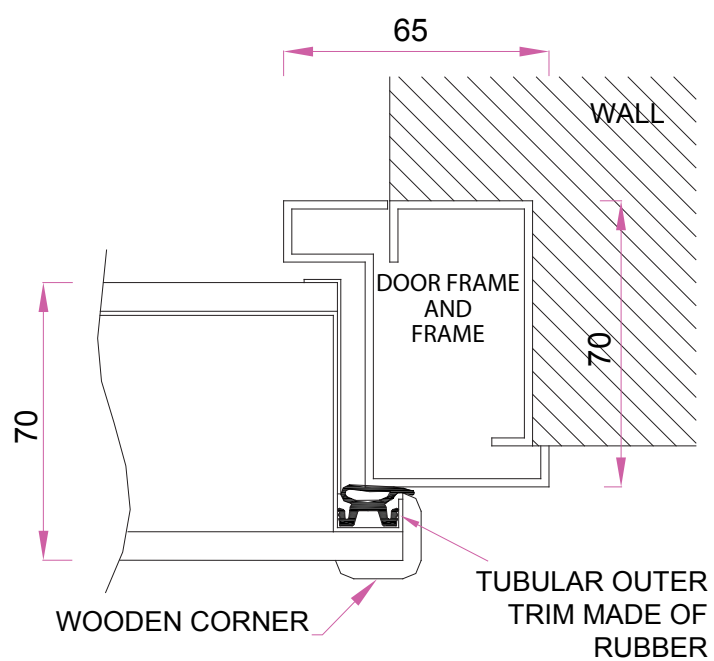
Ideal for: warehouses with high sales volume.

GIOVE Series
General predisposition

Armored door Dolmen model, handles made of polished aluminum brass, snapshot of the insignia key entrance with hidden screws, finished corners made of wood, tubular outer trim made of rubber.



Inner view of armored door GIOVE Series



Section of the GIOVE Series

READY-MADE

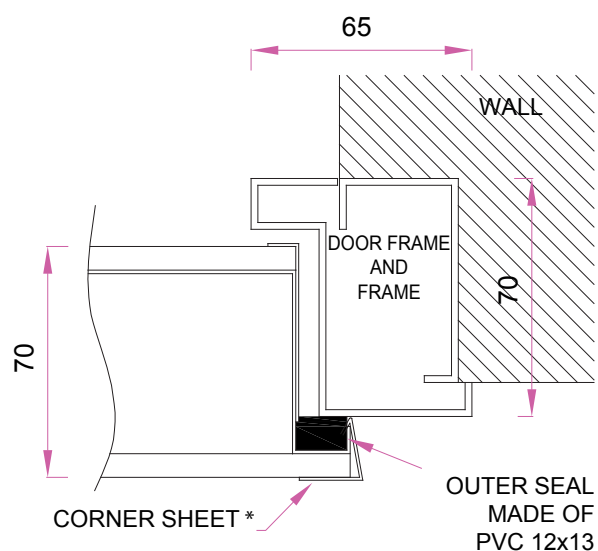
MINERVA Series

Product proposal by quantity

Armored door Dolmen model, handles made of bronzed aluminum, snapshot of the insignia key entrance with hidden screws, finished corners in dark brown unvarnished sheet, self-adjusting draft excluder, outer trim made of PVC.



One leaf armored door, inner view MINERVA Series.



Section MINERVA Series.

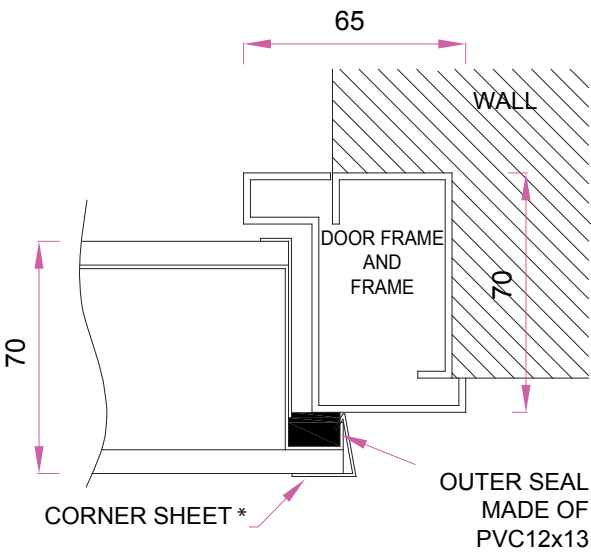
MARTE Series

Product by price

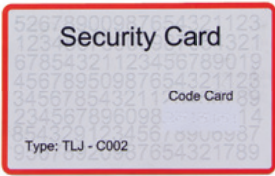
Armored door Dolmen model, handles in bronzed aluminum, snapshot of the insignia key entrance with hidden screws, dark brown finished corners made of unvarnished sheet metal, self-adjusting draft excluder, partial opening, euro security cylinder *lcsa* con n° 3 key + construction key, printed panels** stained with Tanganyika medium walnut 6 mm, outer trim made of PVC, door frame "B".



One leaf armored door *MARTE Series*, Tanganyika walnut panel printed medium.



Section *MARTE series*.



European security cylinder *KEYP TLJ-C002*.*** **KEYP**

Characteristics of the cylinder compared to the Uni En 1303:2005 norm		
	Classification Grades	Classification
Category Use	1/2/3	1 (residential doors)
Duration	4/5/6	5 (50.000 cycles)
Fire resistance	0/1	0 (not adapted)
Corrosion and temperature resistance	0/A/B/C	N.D (not declared)
Security relative to the key	1-6	3 (15.000 combinations with 5 pins)
Attack resistance	0/1/2	1 (3-5 minutes of resistance to the puncture)



Bronzed Aluminum F4 with visible screws.

NOTE: ** Since the panels are printed onto unbalanced chipboard, in very humid environments they experience problems with swelling.
*** Import cylinder, keys can not duplicate.

Smooth Coverings

FOR INTERNAL SIDE

The covering panels are all 7 mm thick, made of wood, they can be veneered with hardwood (Walnut, Mahogany, Tanganyika, Cherry, Durmast, etc.), lacquered or laminated. For indoor use only.



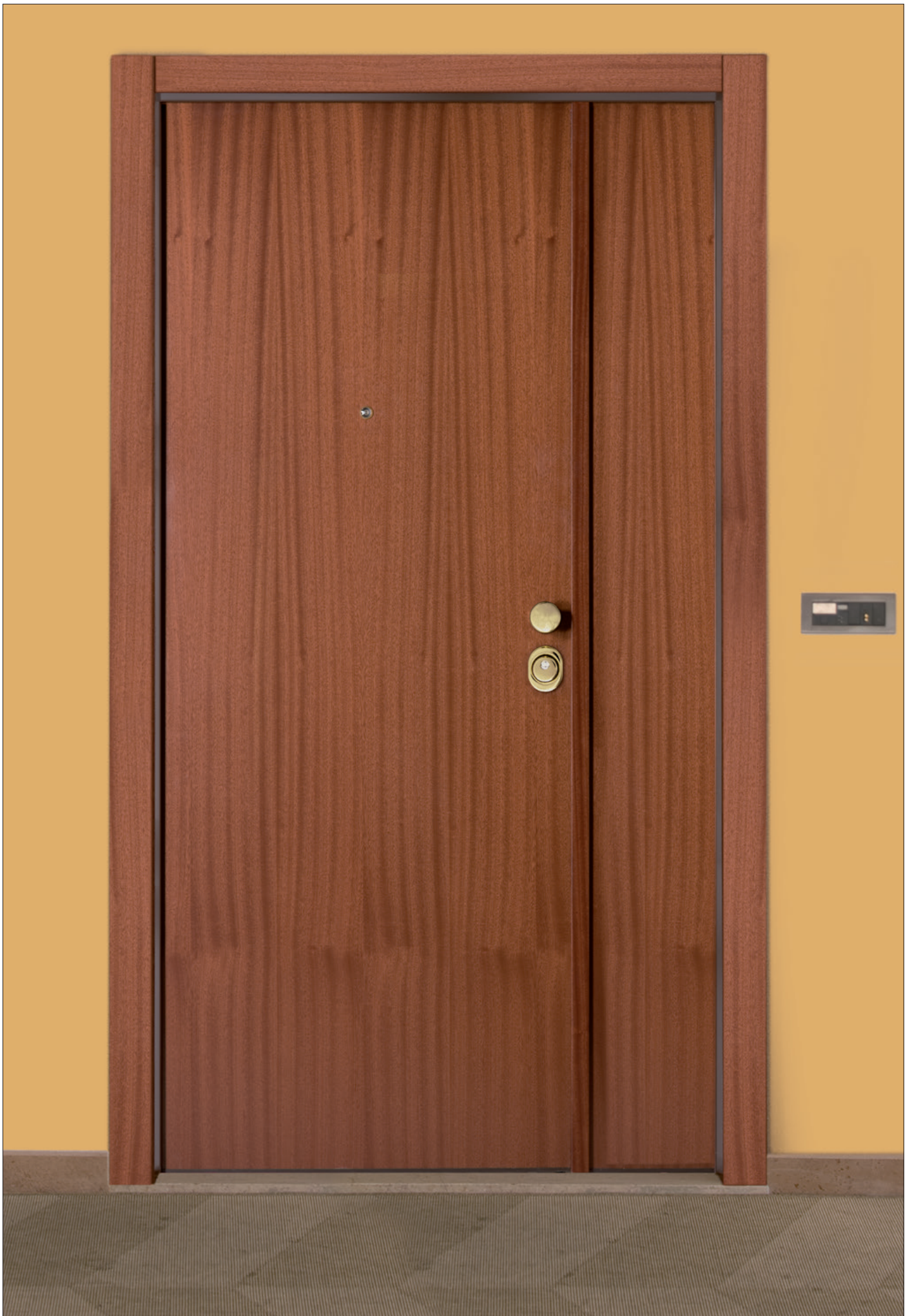
Essence:
Tanganyika
Color:
**Dye medium
walnut**





Essence:
Tanganyika
Color:
***natural, dye
lightly***





Essence:
Mahogany
Color:
Medium





Essence:
Cherry
Color:
slightly
dye
natural



Smooth Coverings

COLOR SAMPLES interior smooth finishes, varnished wood, laminate and veneered.



NATURAL TANGANYIKA dye lightly
- Laminated
- Veneered



TANGANYIKA dye medium walnut
- Laminated
- Veneered



MAHOGANY medium MAHOGANY light
- Laminated - Veneered
- Veneered



MANSONIA dye medium walnut
- Painted wood
- Veneered



NATIONAL WALNUT dye medium walnut
- Painted wood
- Veneered



NATURAL CHERRY dye lightly
- Laminated
- Veneered



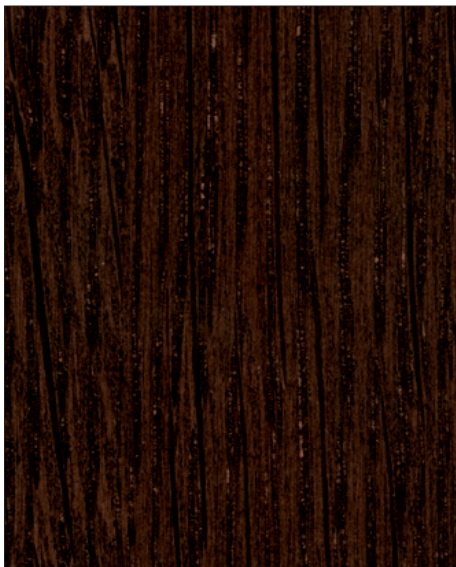
NATURAL OAK dye lightly
- Laminated
- Veneered



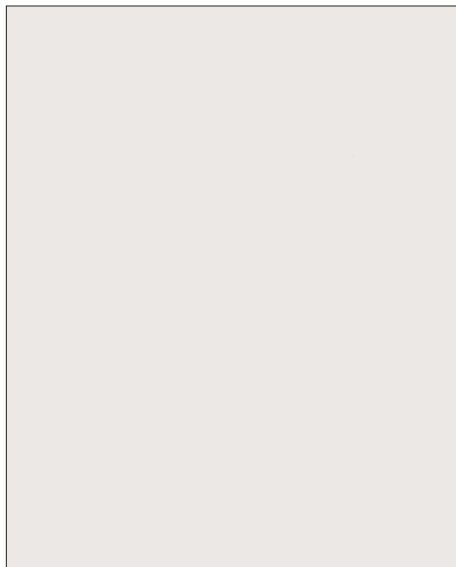
OAK dye medium walnut
- Veneered



WHITENED OAK
- Laminated with open pores
- Veneered



OAK wengè dye
- Laminated with open pores
- Veneered



OPAQUE WHITE
- Opaque white laminate max 90x210.
- Opaque white lacquered.



Ral 1013 opaque
- Lacquered *

TECHNICAL INFORMATION:
maximum size panel

Painted wood	cm 124x250
Laminated	cm 124x250
Veneered	cm 122x250

NOTES : Attention, color sampling is indicative, in reality the panels may have differences.
Standard smooth finishes are wood laminate or painted, unless otherwise specified.

* Lacquered, we make all RAL colors smooth matt finish. 

Smooth Coverings

GLOSSY

OR INTERIOR USE

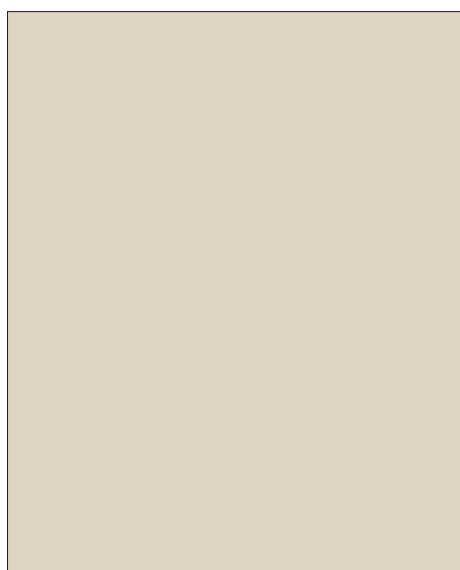
The difficulty of its creation is equal to its charm, in the proper context it immediately creates an elite atmosphere.



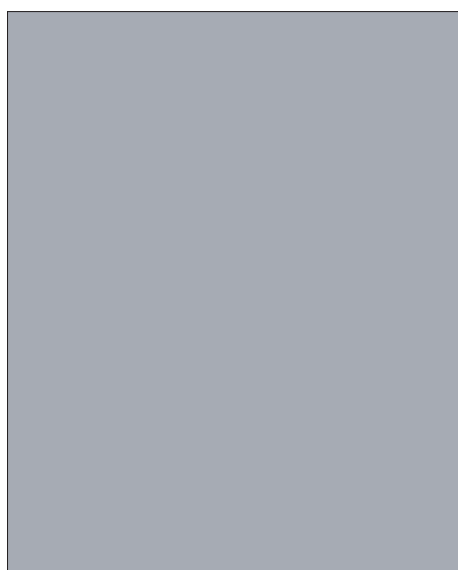
Finish:
Glossy
Color:
Ral 4008



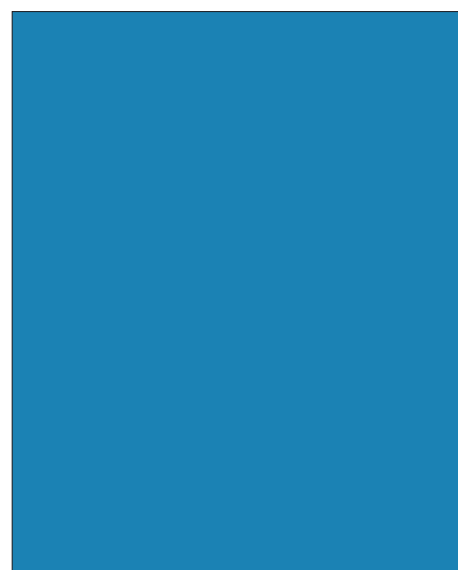
GLOSSY COLOR SAMPLES for interior



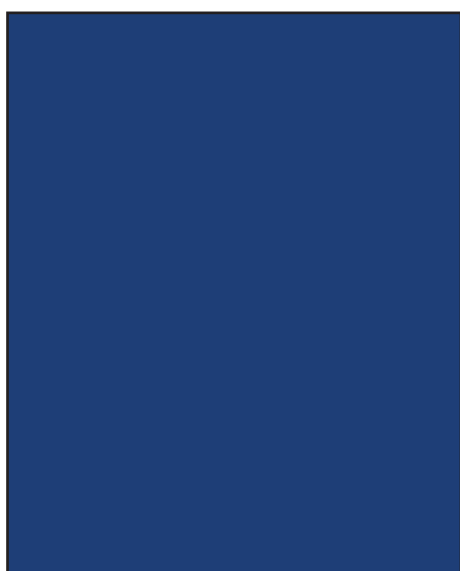
WHITE PEARL Ral 1013



WHITE ALUMINUM
Ral 9006 non-metallic



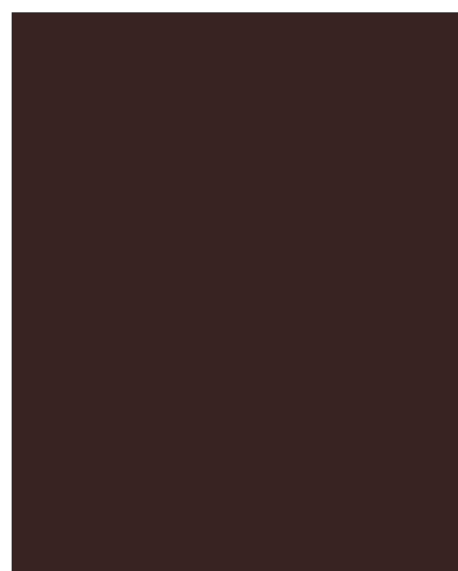
LIGHT BLUE Ral 5012



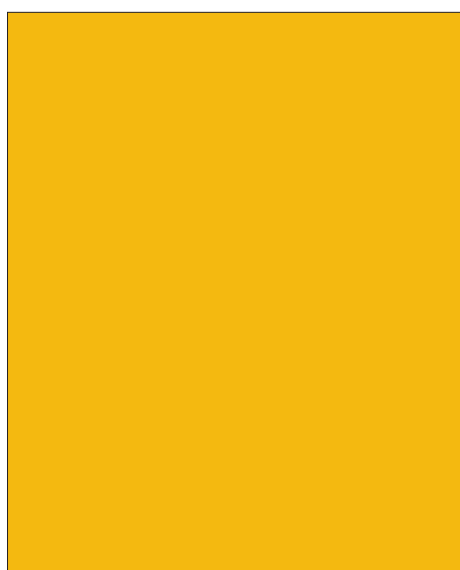
ULTRAMARINE BLUE Ral 5002



MOSS GREEN Ral 6005



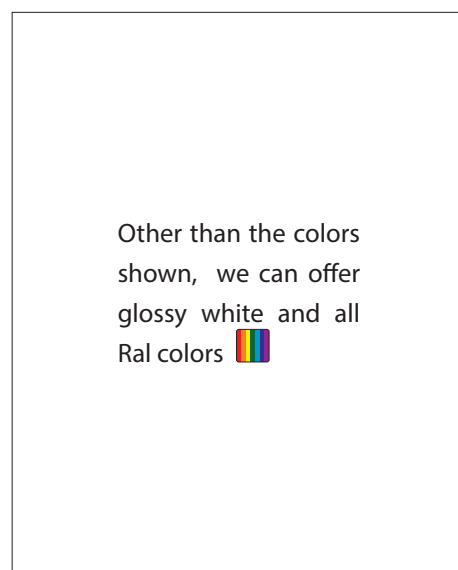
CHOCOLATE BROWN Ral 8017



MUSTARD YELLOW Ral 1021



TRAFFIC RED Ral 3020



NOTE: Attention, the color samples are representative, but in reality there may be differences presented.

Smooth Coverings

SPECIAL LAMINATES

FOR INDOOR USE

We offer a selection of laminate panels that reproduce the grain of the wood in relief, this particular process gives a more natural appearance.



Material: **Laminate**
Color: **White Rosewood**
Processing: **wood vein relief**
Grain: **Horizontal**



Material: **Laminate**
Color: **Walnut**
Processing: **wood vein relief**
Grain: **Horizontal**



COLOR SAMPLES.
 The sense of the vein is only available as illustrated on this page.
 Available door size max 119 x 249 cm.



Tranchè sand
(Cleaf LM12)



Tranchè ash
(Cleaf LM69)



White rosewood
(Cleaf Matrix LM96)



White Matrix
(Cleaf Matrix B011)



White ash
(Frassino 421 P.A.)



Walnut
(Cleaf LK48)



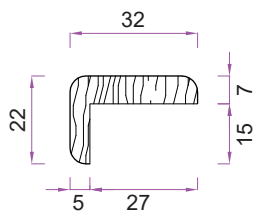
White larch
(Cleaf Matrix LK84)



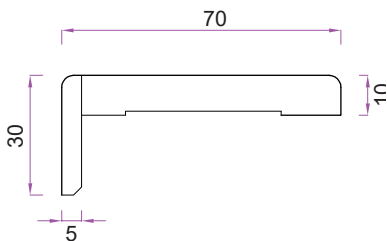
Gray rosewood
(Cleaf Matrix LK55)



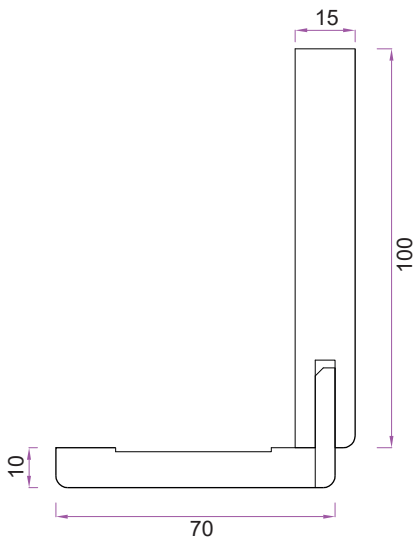
Gray oak
(SIT 3N5)



Internal corner section



Show section



Section wood trim with
exhibitions for legs

ATTENTION: These panels can not be mounted on the inner / outer side of arched windows.
 NOTE: It is possible to have other particular laminates after verification of availability

Smooth Coverings

INSERTS

FOR INDOOR USE

The aluminum insert can be placed on all smooth coverings that have been painted, whether it be a wood finish or lacquer. The most commonly used finish is the laminate panel with horizontal vein relief.



TECHNICAL INFORMATION: aluminum insert 6x0,8 mm
protective adhesive film, satin chrome finish.

Material: *Laminate*
Color: *Gray oak*
Processing: *wood vein relief*
Inserts: *satin chrome*



ENGRAVINGS

FOR INDOOR USE

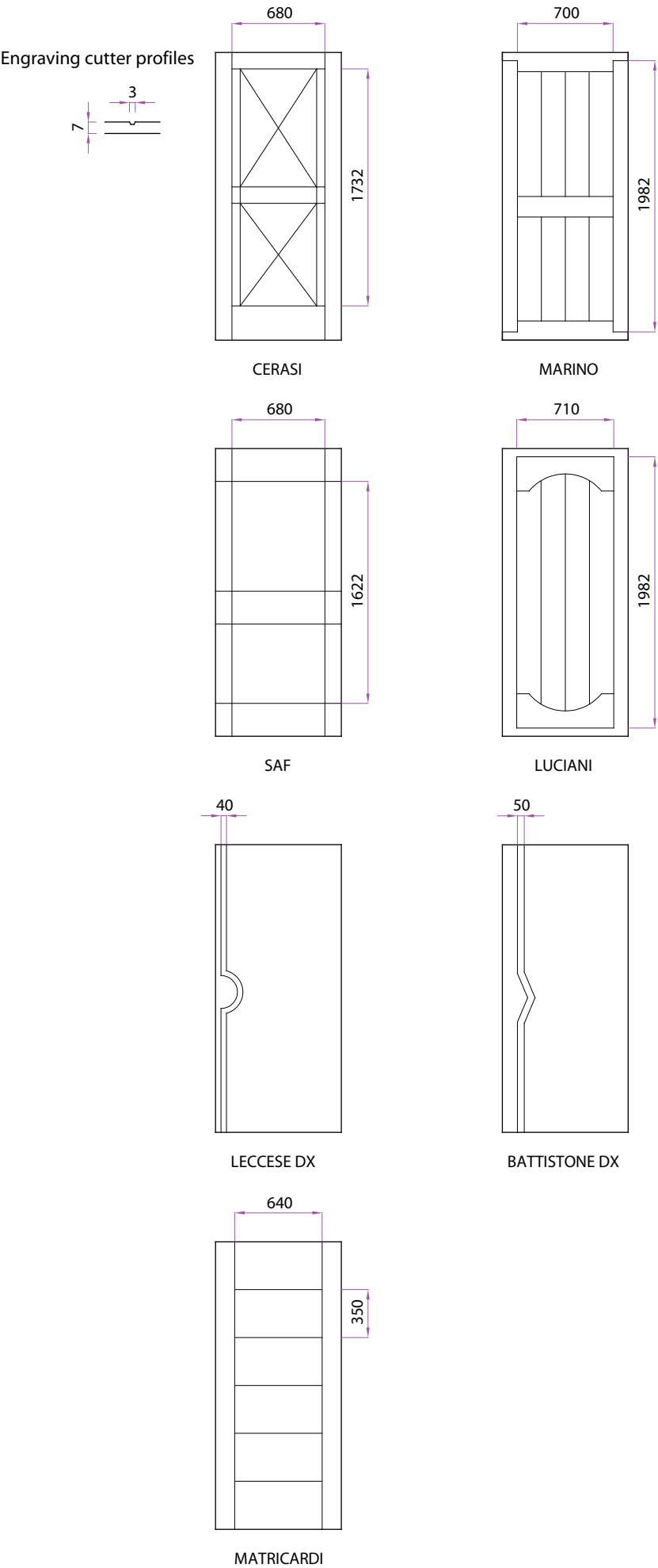
Engraving is only available on smooth laminate panels, wood finish with MDF base. Once engraved, the MDF base will be visible and covered with a transparent coating.



Model: *Cerasi*
Material: *Laminate*
Color: *natural tanganyika dye lightly*



NOTE: Engraving is not possible on laminates with relief veins and lacquered panels.



Inlaid Coverings

FOR INDOOR USE

The inlaid panels can be placed exclusively inside of a closed environment, they are a valid alternative to the smooth panels. We offer them only in hardwood (Walnut, Tanganyika, Oak, Briarwood, etc.). They maintain a crafted look and bring with them natural elegance.



Model: *Raggiato*
Type: *Tanganyika*
Color: *natural*

Variations: *Oak*



Model: *Scacco*
Type: *Oak*
Color: *natural*

Variations: *Tanganyika, Mahogany*





Model: *Prospetto*
Type: *Tanganyika and Briarwood*
Color: *natural*

Variations: *Oak*



Model: *Fascia 3*
Type: *Tanganyika*
Color: *natural*

Variations: *Oak*





Model: *Spiga 2*
Type: *Tanganyika*
Color: *natural*

Variations: *Oak, Mahogany*



Model: *Spiga 4*
Type: *Tanganyika*
Color: *natural*

Variations: *Oak, Mahogany*





Model: **Zebrano**
Type: **Zebrano**
Color: **natural**



Model: **Rombo C centro**
Type: **Tanganyika**
Color: **natural**
Variations: **Oak, Mahogany**



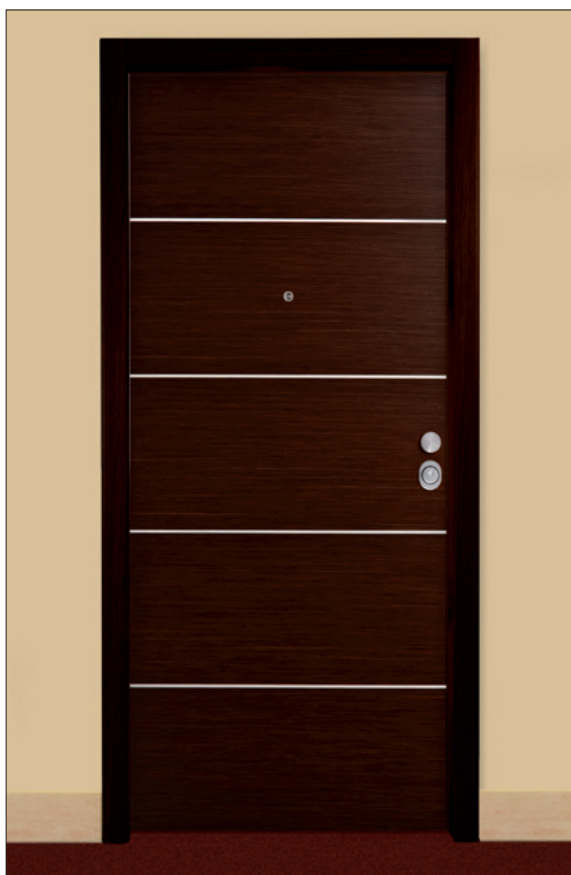


Model: **Rettangolo**
Type: **Oak**
Color: **wenge dye**
Inserts: **satin chrome**



Model: **Tondo**
Type: **Oak**
Color: **whitened**
Inserts: **satin chrome**





Model: *Linea*
Type: *Oak*
Color: *wengè dye*
Inserts: *satin chrome*



Model: *Linea*
Type: *Oak*
Color: *whitened*
Inserts: *satin chrome*



Model: *Linea*
Type: *Oak*
Color: *natural*
Inserts: *satin chrome*



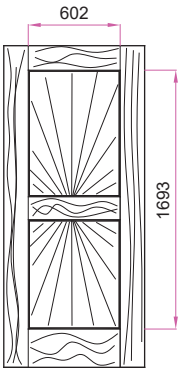
Model: *Linea*
Type: *MDF*
Color: *White Lacquer*
Inserts*: *satin chrome*



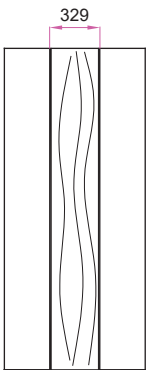
Note: * The inserts are placed after the paint is applied unlike the other line of panels.

INLAID COVERING DESIGNS
thickness 7 mm

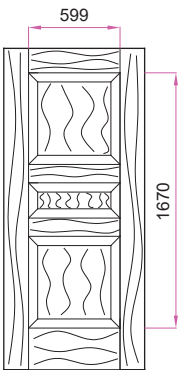
In the designs, more defined lines can be seen: they are lines that divide the veneers.
The black and brown lines are made of tulipwood, while the lighter ones are made of maple or durmast.



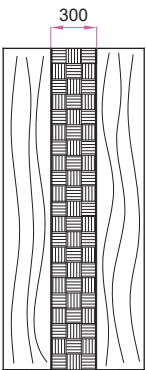
RAGGIATO



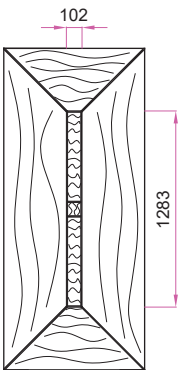
ALPI



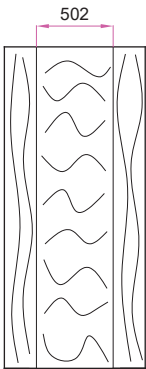
MASSELLATO



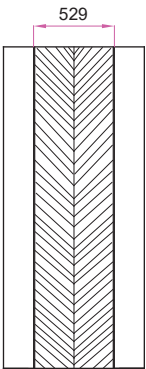
SCACCO



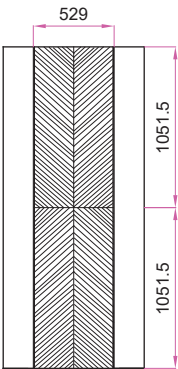
PROSPETTO



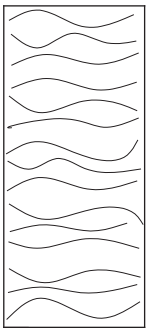
FASCIA 3



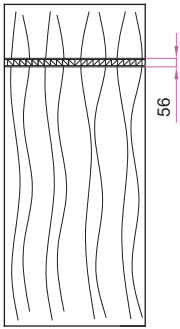
SPIGA 2



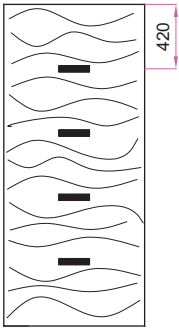
SPIGA 4



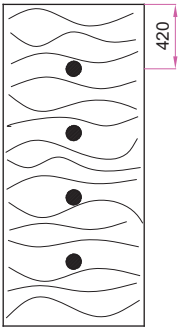
ZEBRANO



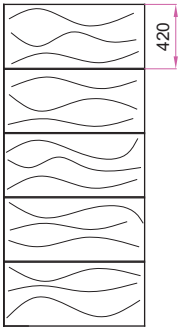
GRECA



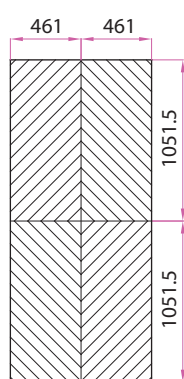
RETTANGOLO



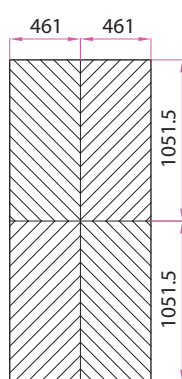
TONDO



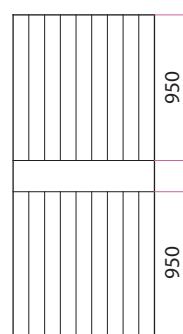
LINEA



ROMBO C



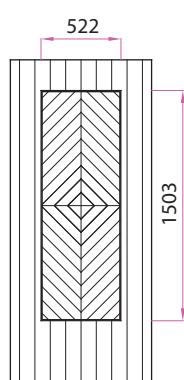
ROMBO A



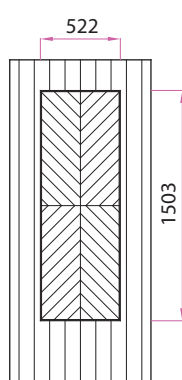
FASCIA 1



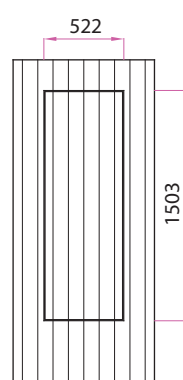
MASSICCIO



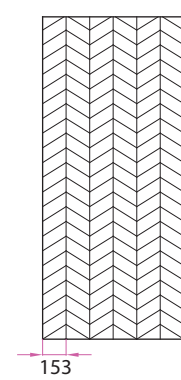
ROMBO C
CENTRO



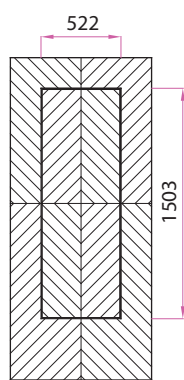
ROMBO A
CENTRO



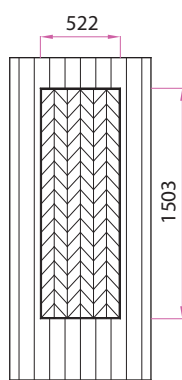
VENA D



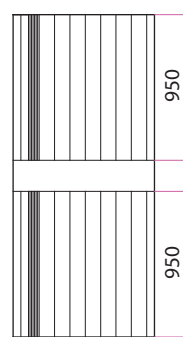
SPIGATO



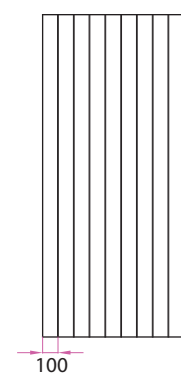
ROMBO C
ROMBO A



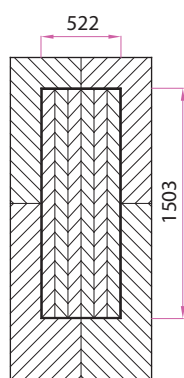
SPIGATO CENTRO



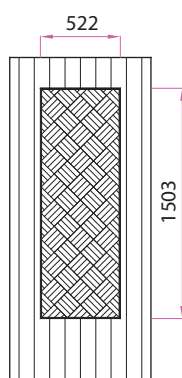
SVEDESE 1



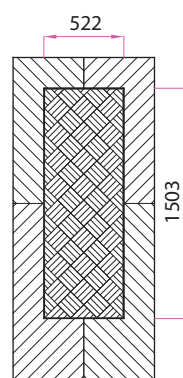
FILETTI V



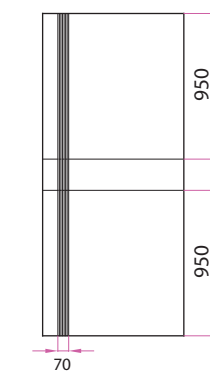
SPIGATO
ROMBO A



LOSANGHE 1



LOSANGHE 2



SVEDESE 2

NOTE: All designs are for armored doors of net light 90x210, by changing the measurements the designs have variations in proportions. We can create all kinds of inlaid panels after a feasibility check. Distance from handle to edge of door must be minimum 140 mm.

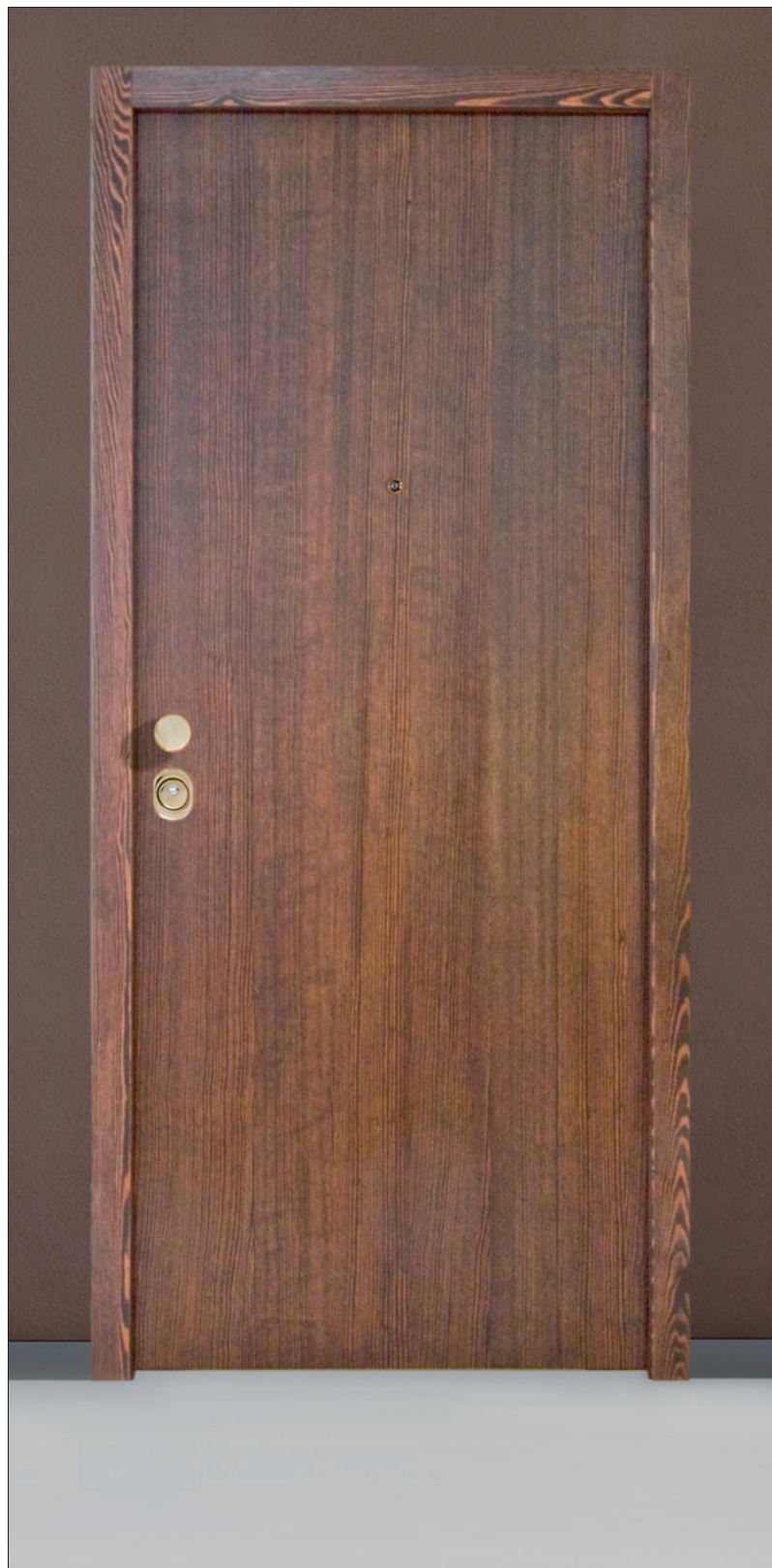
Brushed Coverings

FOR INDOOR USE

Brushing enhances the grain of the wood. Once painted, it effectively combines ancient and modern styles.



Processing: **Brushed**
Type: **Yellow pine**
Color: **Ral 9006**



Processing: **Brushed**
Type: **Yellow pine**
Color: dye **medium walnut**



CHARACTERISTICS:

- MDF support 6 mm.
- Veneer 10/10
- Balance panel.

Types:

- Yellow pine.

COLOR SAMPLES brushed panels



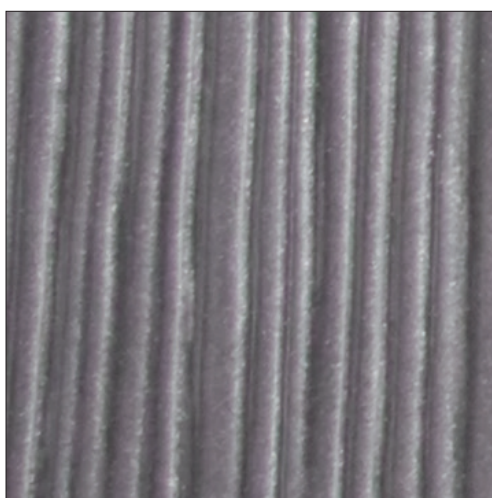
Yellow pine wenge dye



Yellow pine dye medium walnut



Yellow pine Ral 9006



Yellow pine Ral 9007

TECHNICAL INFORMATION

- Maximum possible measurements 119x249 cm.
- The brushed coverings can only be made with dark etching.
- Lacquers can be either opaque or transparent.

Hardwood Coverings

FOR OUTDOOR USE

An armored door can be coated with many different materials, but of all choices the ideal is always the hardwood covering due to its heat resistance, its beauty and also its durability. All other types of doors must be replaced after they are worn; however, the hardwood covering can be restored many times, thus increasing its value and elegance.



Model:
Adelaide
Wood:
Oak
Color:
light walnut





Model: **Anastasia**
Wood: **Oak**
Color: **natural**



Model: **Anastasia V**
Wood: **Oak**
Color: **natural**





Model: *Sabrina*
Wood: *Pine*
Color: *dye medium walnut*



First phase of hardwood processing.



Model:
Sara
Wood:
Oak
Color:
**dye medium
walnut**





Model:
**Sara +
Matta AP V**
Wood:
Oak
Color:
**dye medium
walnut**





Model: **Serena**
 Wood: **Iroko**
 Color: **dye medium walnut**



Model: **Serena V**
 Wood: **Oak**
 Color: **dye medium walnut**





Model: *Marica*
Wood: *Douglas*
Color: *natural*



Water-based paint.



Model:
Marta
Wood:
Oak
Color:
**dye medium
walnut**





Model: **Monica**
Wood: **Oak**
Color: **dye medium walnut**



Model: **Dora**
Wood: **Iroko**
Colore: **dye medium walnut**





Model:
Diva
Wood:
Oak
Color:
***dye medium
walnut***





Model:
Corina
Wood:
Oak
Color:
**dye medium
walnut**





Model:
Cora
Wood:
Oak
Color:
wengè dye





Model:
Lorena
Wood:
Oak
Color:
dye medium
walnut
particular:
nails





Model:
Julia*
Wood:
Oak
Color:
natural
Particular:
**Protruding
wood block
that functions
as a door
handle**



NOTE: * This model is only available in lightly stained oak or medium walnut stained oak.



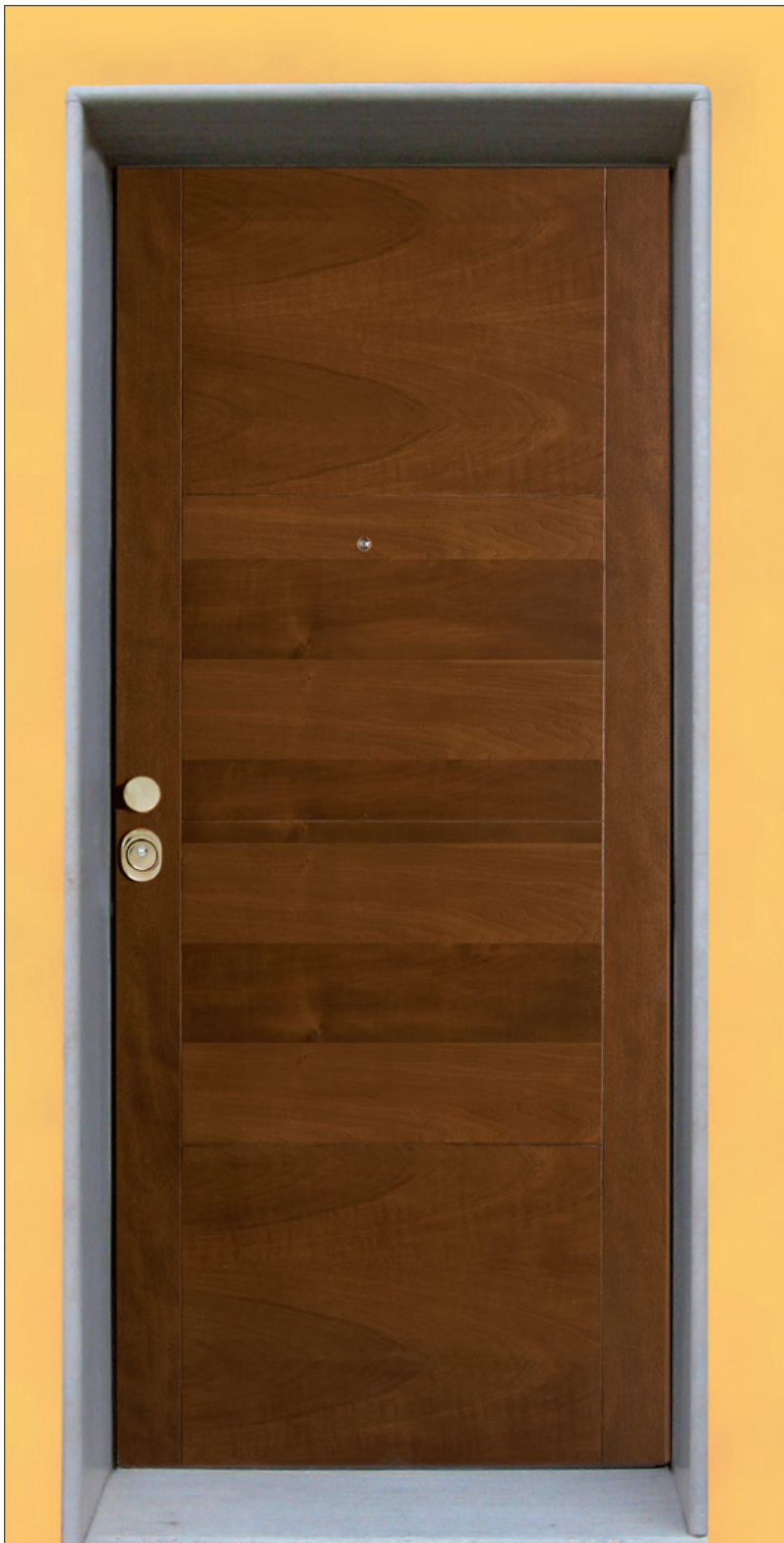
Model: *Ines V*
Wood: *Oak*
Color: *natural*



Model: *Ida*
Wood: *MDF - Cherry**
Color: *Ral 6005 - natural*



NOTE: *Strips made of poplar wood veneered with cherry



Model: **Romina**
 Wood: **National walnut***
 Color: **dye medium walnut**



NOTE: *Strips made of veneered poplar wood



Model: **Rebecca**
 Wood: **National walnut***
 Colore: **dye medium walnut**
 Inserts: **Polished brass**





Model: **Rossini**
Wood: **Cherry**
Color: **naturale**



Model: **Stradivari**
Wood: **Oak**
Color: **dye medium walnut**



AVAILABLE TYPES:

- Oak, Iroko (more resistant to the elements),
- Cherry, Pine, Douglas.

OTHER MATERIALS USED:

- Lacquered doors are MDF water-repellent 18 mm.
- Blockboard veneered with Cherry, Oak, National Walnut.

COLORS OFFERED:

- Dye Light walnut.
- Dye Medium walnut.
- Dye Dark walnut.
- Dye Medium mahogany.
- Wenge dye.
- Whitened.

LACQUER:

- We offer all Ral colors , opaque textured finish (embossed).

PAINT water-based.

All hardwood coverings are treated with complete water-paint cycles, the paints have the following characteristics:

- | | |
|--|--------------------------------|
| • Solvent emissions into the atmosphere | Very low (only while it dries) |
| • Release of harmful substances | None |
| • Self Combustion | None |
| • Elasticity and temperature resistance | Excellent |
| • UV filter against yellowing and vitrification..... | Yes |
| • Preservatives against fungi and mold | Yes |
| • Recoating | Excellent |

5 YEAR GUARANTEE**.

For all hardwood panels indicated below



 INDOOR PLACEMENT closed environment	 WELL SHELTERED OUTDOOR PLACEMENT veranda of at least 3 m	 SHELTERED OUTDOOR PLACEMENT small awning or balcony	 OUTDOOR PLACEMENT completely exposed
All models	Dalma Dora Dorotea Ines Ida Julia Romina Rebecca Opera Bellini Rondò Rossini Pitagora Puccini Stradivari York	Adelaide Anastasia Sabrina Sara Serena Silvana Marica Marta Mila Monica Diva Lorena Corina Cora	

NOTE: * The same guarantee is offered for hardwood covered doors of the same series and placement, with or without windows.

Hardwood Coverings

COLOR SAMPLES outdoor hardwood coverings



OAK natural dye slightly



OAK light walnut



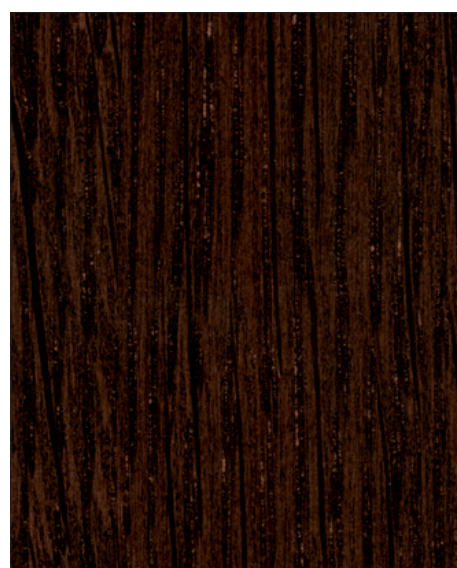
OAK dye medium walnut



OAK dye dark walnut



OAK bleached



OAK wengè dye



IROKO natural dye slightly



IROKO light walnut



IROKO dye medium walnut



IROKO Dye Medium Mahogany



CHERRY natural dye slightly



PINE natural dye slightly



PINE dye medium walnut



DOUGLAS natural dye slightly



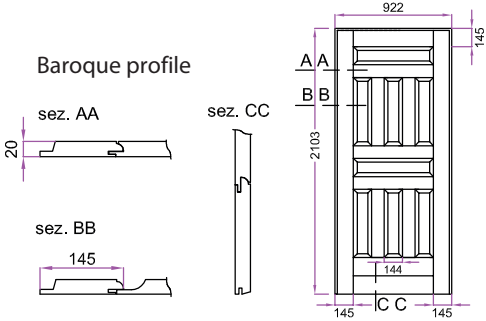
DOUGLAS dye medium walnut



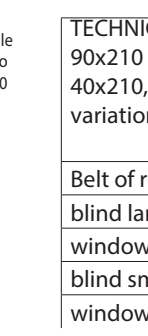
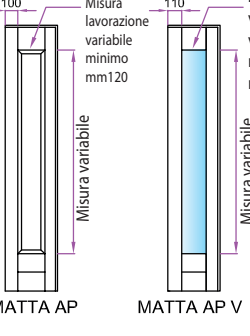
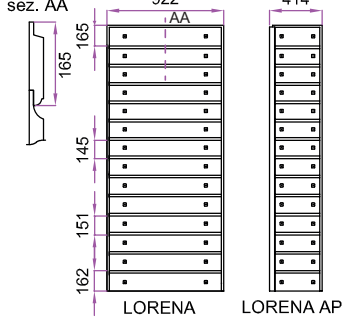
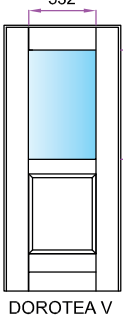
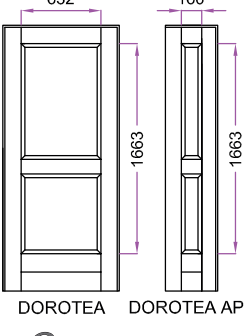
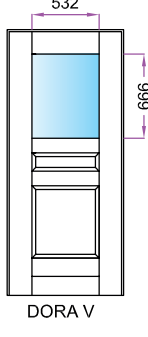
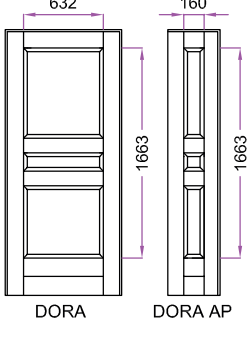
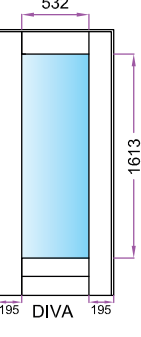
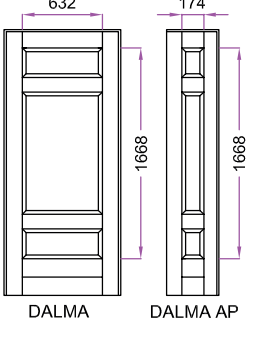
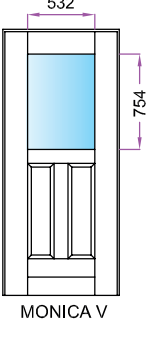
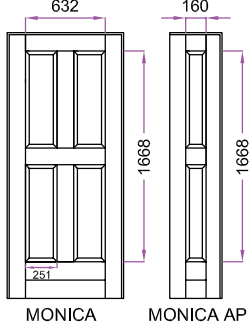
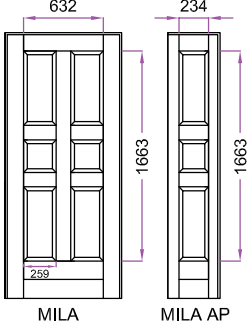
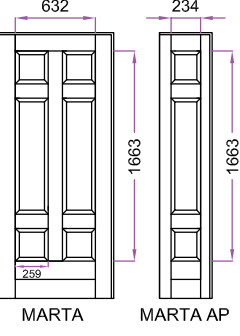
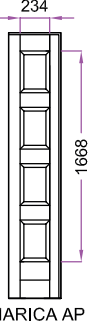
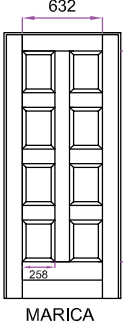
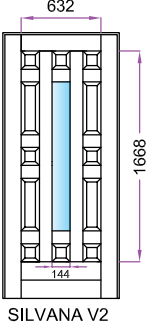
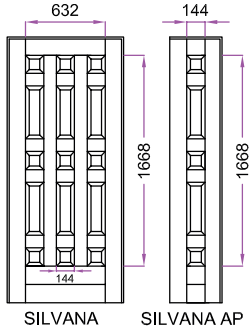
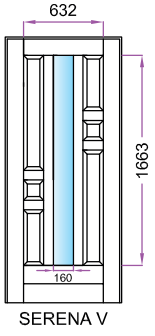
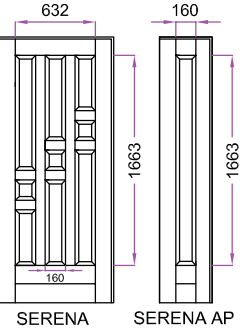
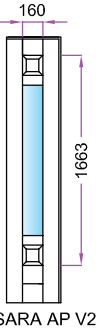
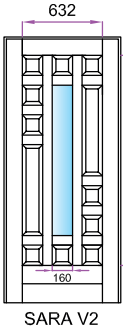
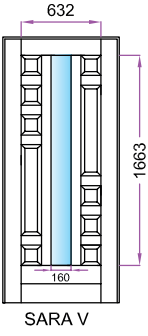
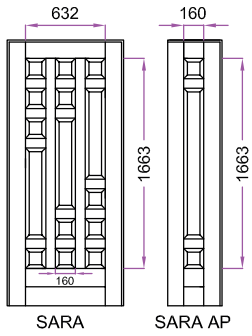
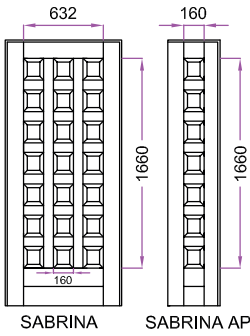
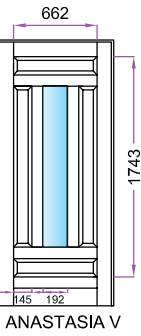
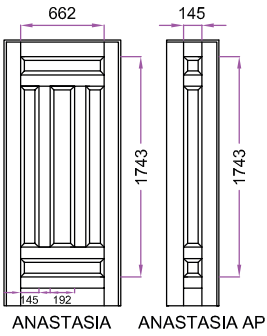
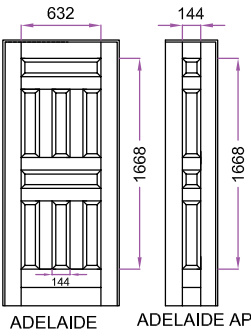
MDF LACQUERED Ral 6005 texturized

Hardwood Coverings

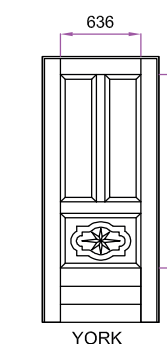
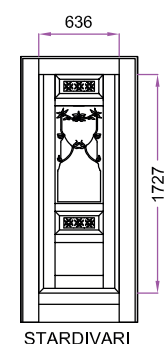
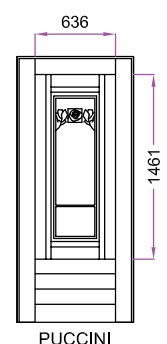
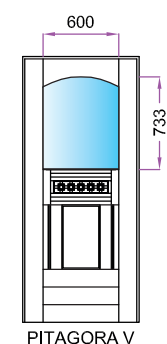
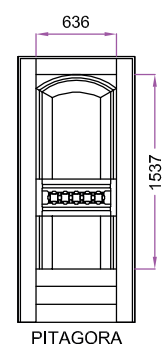
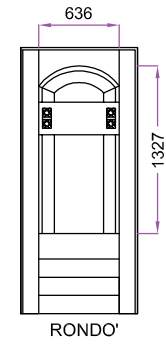
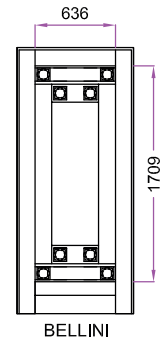
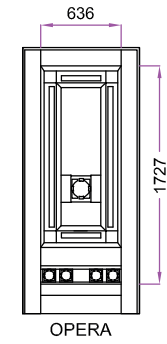
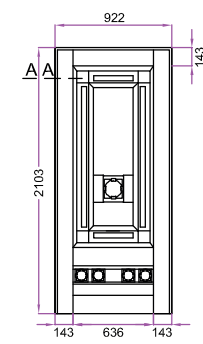
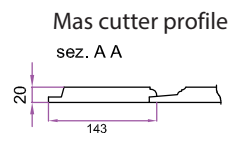
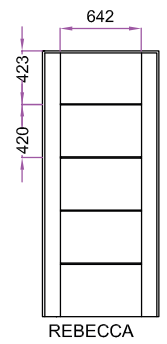
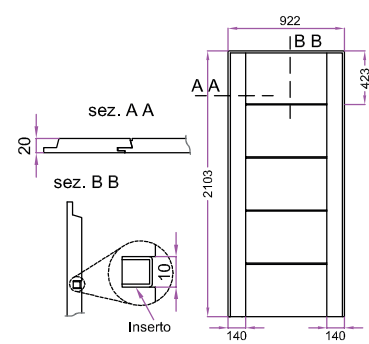
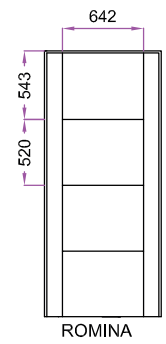
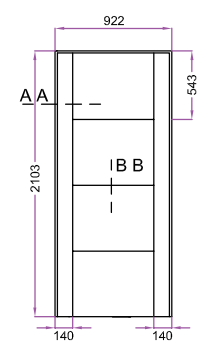
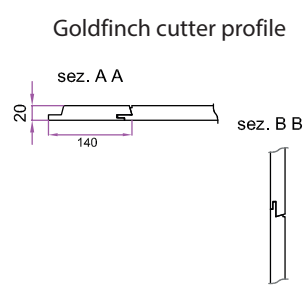
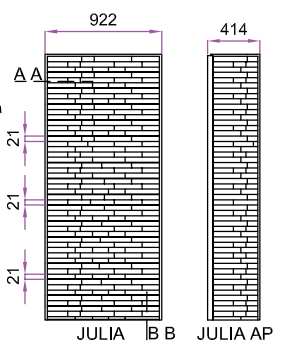
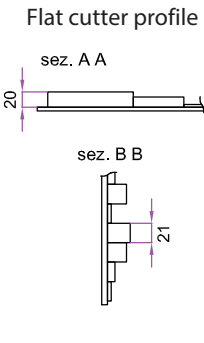
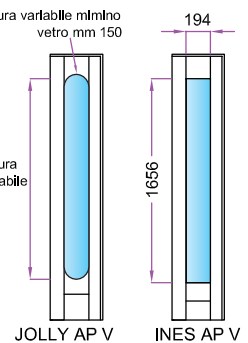
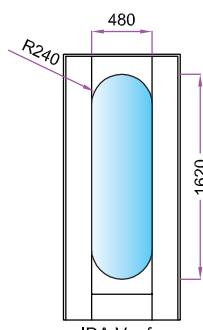
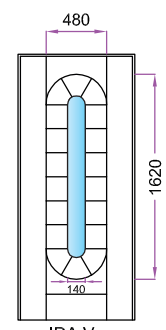
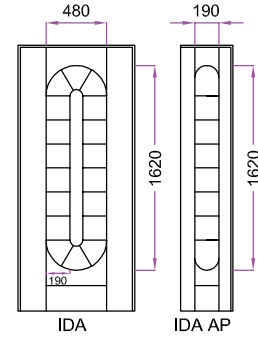
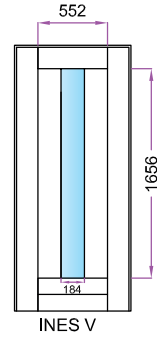
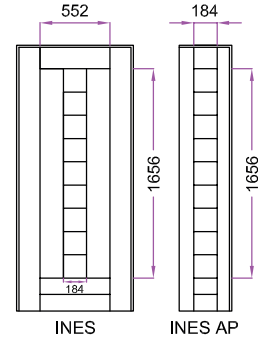
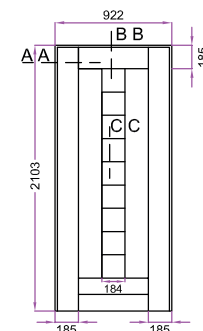
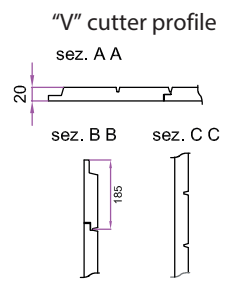
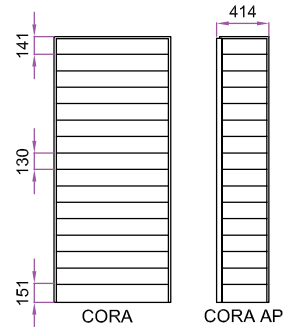
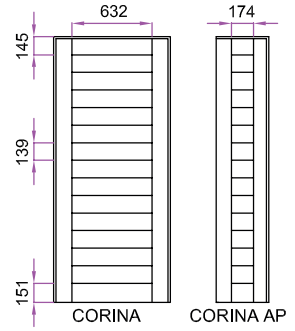
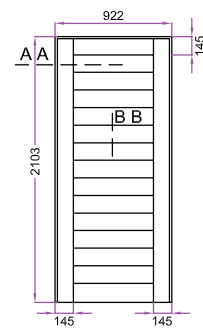
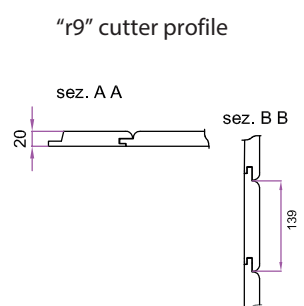
Hardwood designs
Thickness 20 mm



MINIMAL MEASURES achievable for single model:	
Adelaide, Anastasia, Ida, Ines, Iole, Isotta, Sabrina, Sara, Serena, Silvana	cm 77
Diva, Marica, Marta, Mila, Monica	cm 60
Cora, Corina, Dalma, Dora, Dorotea, Lorena, Julia, Rebecca, Romina	cm 50
Puccini, Rossini	cm 90
Stradivari	cm 88
York	cm 86
Rondò, Pitagora	cm 85
Opera	cm 82
Bellini	cm 80



TECHNICAL NEWS: All designs are 90x210 door panels and small door 40x210, changing sizes, drawings have variations in proportions.	
Belt of respect	
blind large gate	mm 110
windowed large gate	mm 195
blind small gate	mm 70
windowed small gate	mm 110



NOTE: We can make solid sample panels after verification of feasibility.

Hardwood Coverings

AGED WOOD

FOR OUTDOOR USE

These panels are simply beautiful, what more can we say? If you believe in love at first sight, these may be the right panels for you.



Model:
Randomly
Wood:
Oak
Color:
dye medium
walnut
Processing:
Axed
brushed
Particular:
Wooden
nails





Model: **Marta**
 Wood: **Oak**
 Color: **light walnut**
 Processing: **Axed brushed**
 Particular: **Wooden nails**



Model: **Mercantile**
 Wood: **Chestnut**
 Color: **Dye medium walnut**
 Processing: **Brushed by machine**
 Particular: **Forged iron nails**

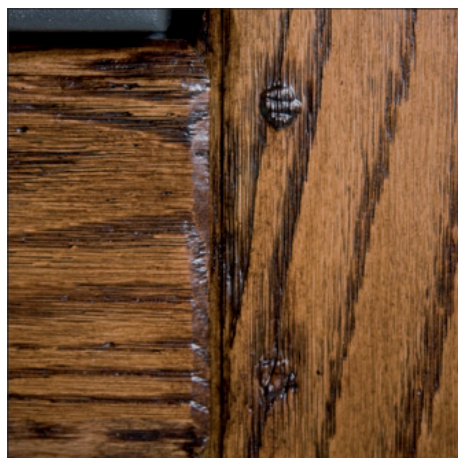


Hardwood Coverings

PROCESSING IN DETAIL



Axed and brushed by hand.



Hand thrown and brushed.
Wooden nails.



Brushed by machine.
Forged iron nails
(Mercantile model only).

AVAILABLE HANDLES aside from those already displayed in the catalog.

Embossed anthracite antique aluminum



American handle



Pegaso 60 knob



defender keyhole



Yale keyhole



Partially open
knob



Peephole

TYPES OF WOOD USED IN PROCESSING:

- Oak
- Chestnut (Only available with Mercantile model).

ETCHES PERFORMED:

- Dye Light walnut.
- Dye Medium walnut.
- Chestnut dye medium walnut

5 YEAR GUARANTEE.

For all hardwood coverings indicated below



INDOOR PLACEMENT
closed environment

All models



WELL SHELTERED
OUTDOOR PLACEMENT
veranda of at least 3 m

Anastasia V
Dalma
Diva
Dora

Dora V
Dorotea
Dorotea V



SHELTERED OUTDOOR
PLACEMENT
small awning or balcony

Adelaide
Anastasia
Marica
Marta

Mila
Monica
Mercantile



OUTDOOR PLACEMENT
completely exposed

COLOR SAMPLES* aged wood



OAK light walnut

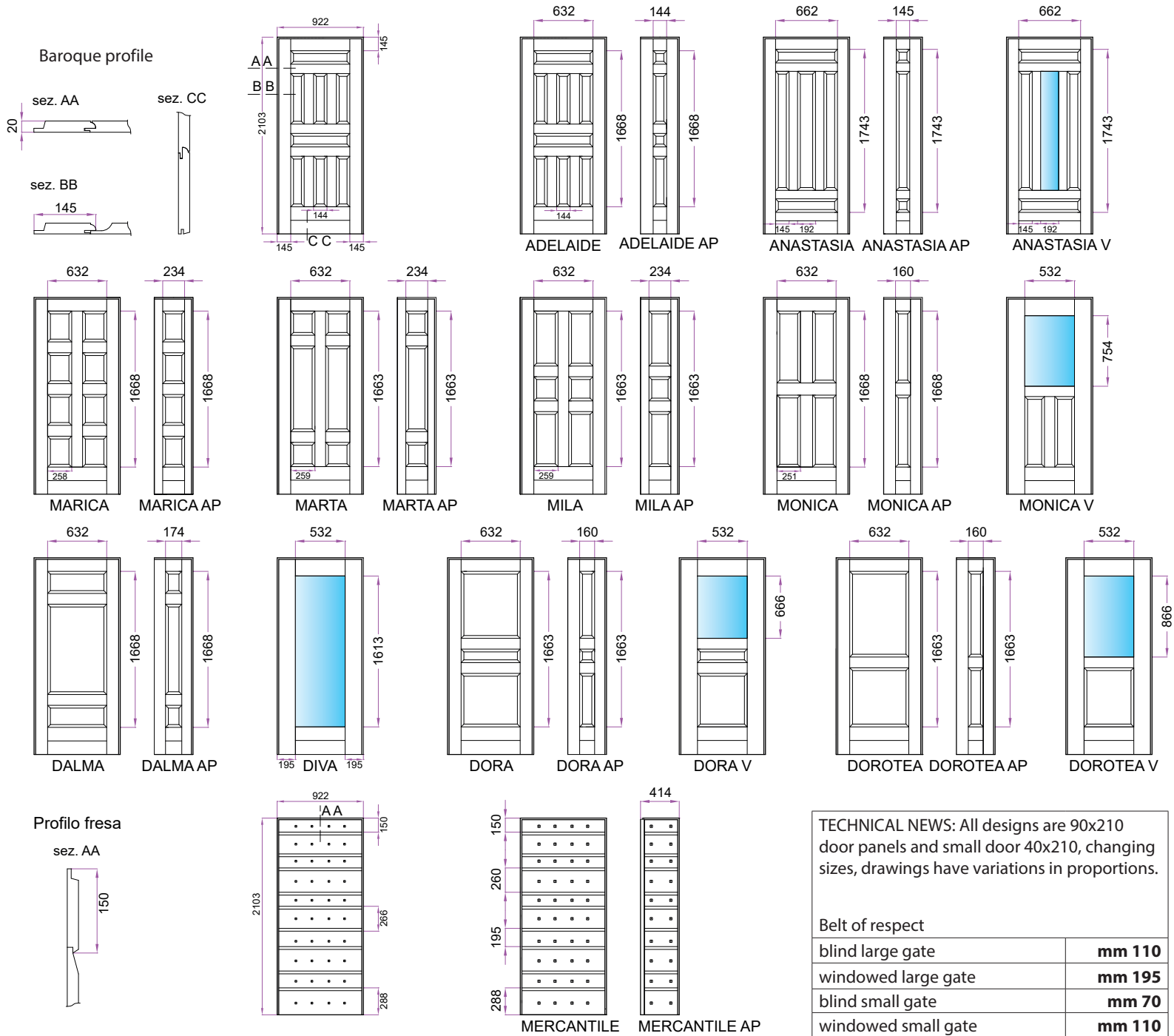


OAK dye medium walnut



CHESTNUT dye medium walnut
(Only available with Mercantile model).

HARDWOOD DESIGNS aged wood



NOTE: *Attention, the color samples are representative, but in reality there may be differences presented.

Pantographed Coverings

FOR OUTDOOR USE

The pantographed panels are made of marine Okumè, a material born in the nautical sector and later used for fixtures because of its excellent resistance to the elements and aesthetic appeal.



Model:
Tolosa
Wood:
Okumè
Color:
**dye medium
walnut**





Model: **Colonia**
Wood: **MDF**
Color: **Ral 1013**



Model: **Colonia**
Wood: **Okumè**
Colore: **natural**





Model: *Venezia*
Wood: *MDF*
Color: *white*



Model: *Lisbona*
Wood: *Okumè*
Color: *dye medium walnut*





Carpentry Department.



Model: *Siena*
 Wood: *Okumè*
 Color: *dye medium walnut*





Model:
Siena V+
Siena AP
Wood:
Okumè
Color:
dye medium
walnut





Model: *Perugia*
Wood: *Okumè*
Color: dye dark walnut



Model: *Firenze (hardwood processing)*
Wood: *Okumè veneered with cherry*
Color: *natural*



Pantographed Coverings



Model:
Firenze
Wood:
Okumè
Color:
**dye medium
walnut**





Model: *Firenze V*
 Wood: *Okumè*
 Color: *dye medium walnut*



Model: *Pavia (hardwood processing)*
 Wood: *MDF*
 Color: *Ral 1015*



Model:
Lugano V4
Wood:
MDF
Color:
Ral 3031





Model: **Bristol**
 Wood: **Okumè**
 Color: **dye medium walnut**



Model: **Capri**
 Wood: **Okumè**
 Color: **dye cherry**



Pantographed Coverings



Model: **Ambra**
 Wood: **Okumè**
 Color: **dye cherry**
 Inserts: **hand painted fused glass**



Model: **Kea**
 Wood: **Okumè veneered with cherry**
 Color: **natural**





Model: *Lorena P*
 Wood: *Okumè*
 Color: *dye medium walnut*
 Particular: *nails*



Model: *Perlinato CL*
 Wood: *Okumè*
 Color: *natural*



Pantographed Coverings



Special processing, wavy center.

Model: *Ola*
Wood: *MDF veneered Oak*
Color: *dye wengè*



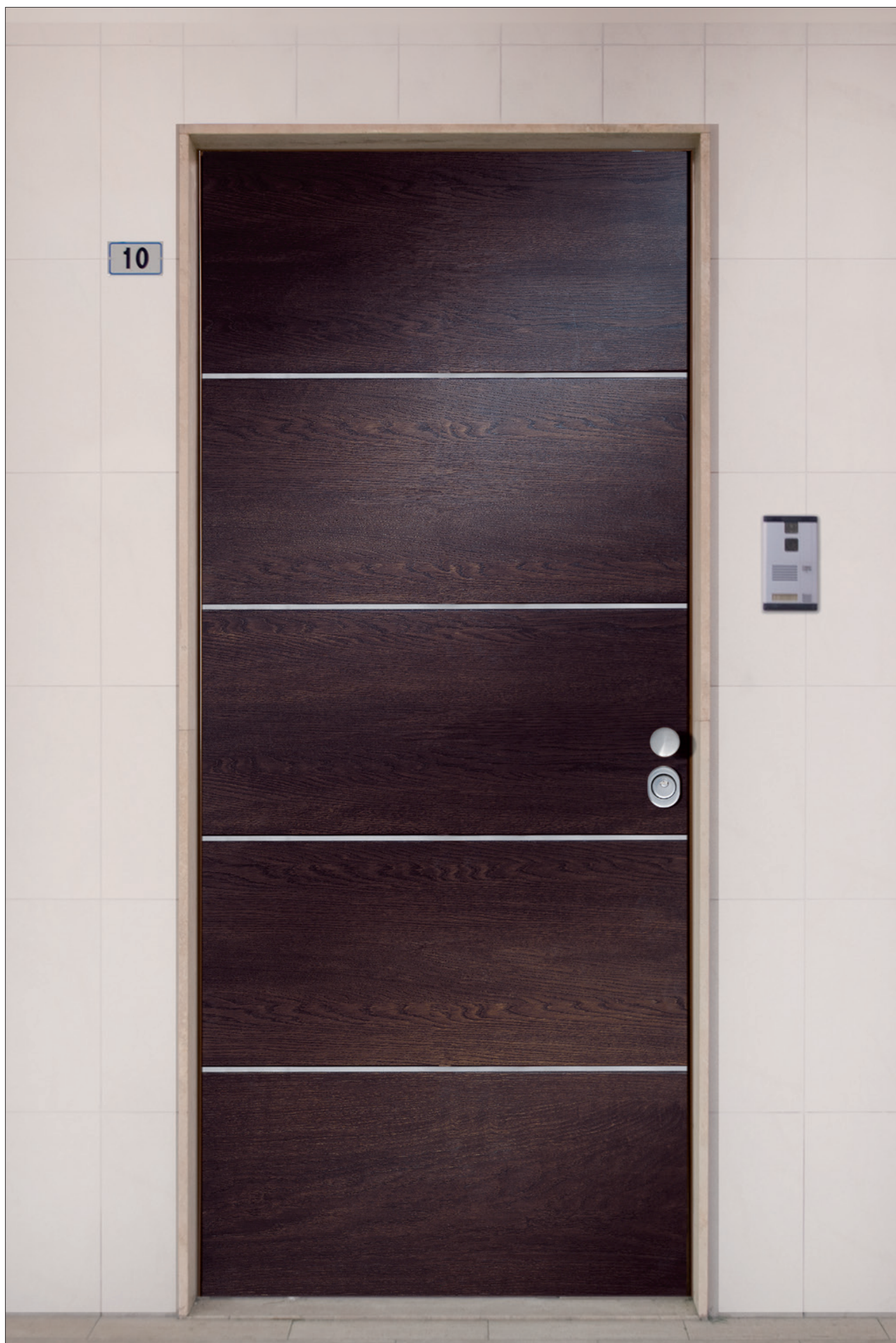


Special processing, staggered center.

Model: **Rambla**
 Wood: **MDF veneered Oak**
 Color: **bleached**
 Inserts: **satin chrome**



Pantographed Coverings



Model:
Rigo
Wood:
Okumè
veneered Oak
Color:
dye wengè
Inserts:
satin chrome





Model: **Quadro**
 Wood: **Okumè**
 Color: **dye cherry**
 Inserts: **satin chrome**



Model: **Vertice**
 Wood: **Okumè veneered with cherry**
 Color: **natural**
 Inserts: **satin chrome**



Pantographed Coverings



Model:
Saffo
Wood:
**Okumè venee-
red with Cherry**
Color:
natural
inserts:
**cathedral glass +
stainless**





Model: **Punto**
 Wood: **Okumè veneered Oak**
 Color: **bleached**
 Inserts: **satin chrome**



Model: **Zen**
 Wood: **Okumè veneered Oak**
 Color: **dye wengè**
 Inserts: **satin chrome**



Model:
Dolomite
Wood:
Okumè
veneered Oak
Color:
dye wengè
Inserts:
satin chrome





Model:
Onda
Wood:
MDF
Color:
Ral 4006 (Violet)
Ral 9018 (Grey)
Finish:
Transparent



Pantographed Coverings

AVAILABLE MATERIALS:

- Stratified marine parallel fibers Okumè
- Stratified marine parallel fibers Okumè veneered with Oak (top side and bottom measure 90x210)
- Stratified marine parallel fibers Okumè veneered with Cherry (top side and bottom measure 90x210)
- Lacquered doors are MDF Water-repellent 18 mm.

MORDENZATURE ESEGUITE:

- Tinto noce chiaro
- Tinto noce medio
- Tinto noce scuro
- Tinto mogano medio
- Tinto ciliegio
- Sbiancato
- Tinto wengè

LACQUER:

- We offer all Ral colors , opaque textured finish (embossed).

PAINT water base.

All solid coverings are treated with complete water painting cycles, the paints have the following characteristics:

- Solvent emissions into the atmosphere Very low (only while it dries)
- Release of harmful substances None
- Self Combustion None
- Elasticity and temperature resistance Optimum
- UV filter against yellowing and vitrification..... Yes
- Preservatives against fungi and mold Yes
- Recoating Optimum

5 YEAR GUARANTEE.

For all solid panels that are exposed as indicated below



INDOOR PLACEMENT

closed environment

All models



WELL SHELTERED OUTDOOR PLACEMENT

veranda of at least 3 m

Lisbona V
Lugano Vmf
Ola
Rambla
Rigo
Quadro
Vertice
Punto
Saffo
Zen
Dolomite
Onda



SHELTERED OUTDOOR PLACEMENT

small awning or balcony

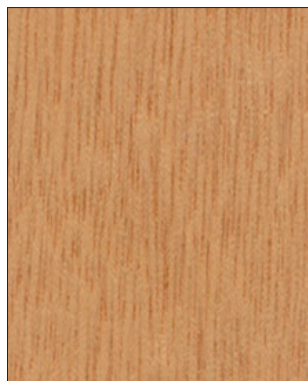
Colonia	Arezzo V
Tolosa	Pisa
Varsavia	Pisa V
Venezia	Lugano V
Lisbona	Lugano V4
Siena	Bristol
Siena V	Capri
Perugia	Oxford
Firenze	Galles
Firenze V	Ambra
Pavia	Kea
Madrid	Lorena P
Lucca	Perlinati



OUTDOOR PLACEMENT

completely exposed

COLOR SAMPLES pantographed panels for exterior



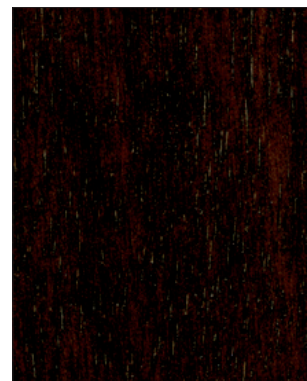
OKUMÈ naturale
dye slightly



OKUMÈ light walnut



OKUMÈ dye medium walnut



OKUMÈ dye dark walnut



OKUMÈ tinto mogano medio



OKUMÈ dye cherry



OKUMÈ veneered with
Cherry dye lightly



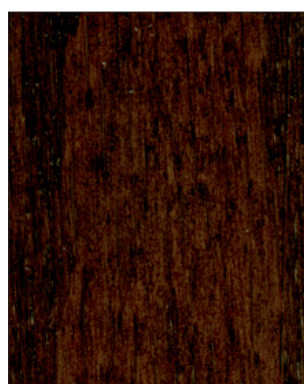
OKUMÈ veneered with Oak
natural dye lightly



OKUMÈ veneered with Oak
dye light walnut



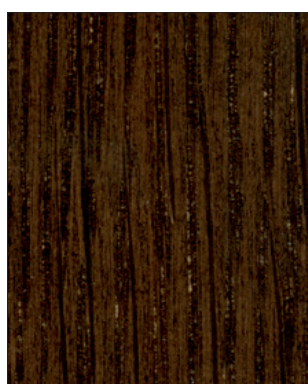
OKUMÈ veneered with Oak
dye medium walnut



OKUMÈ veneered with Oak
dye dark walnut



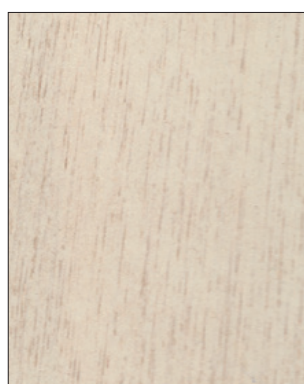
OKUMÈ veneered with Oak
bleached



OKUMÈ veneered with Oak
dye wenge



OKUMÈ dye *simil* RAL6009
(green forest)



OKUMÈ dye *simil* RAL1013
(pearl white)



MDF LACQUERED Ral 6005
texturized

NOTE: Attention, the color samples are representative, but in reality there may be differences presented.

Pantographed Coverings

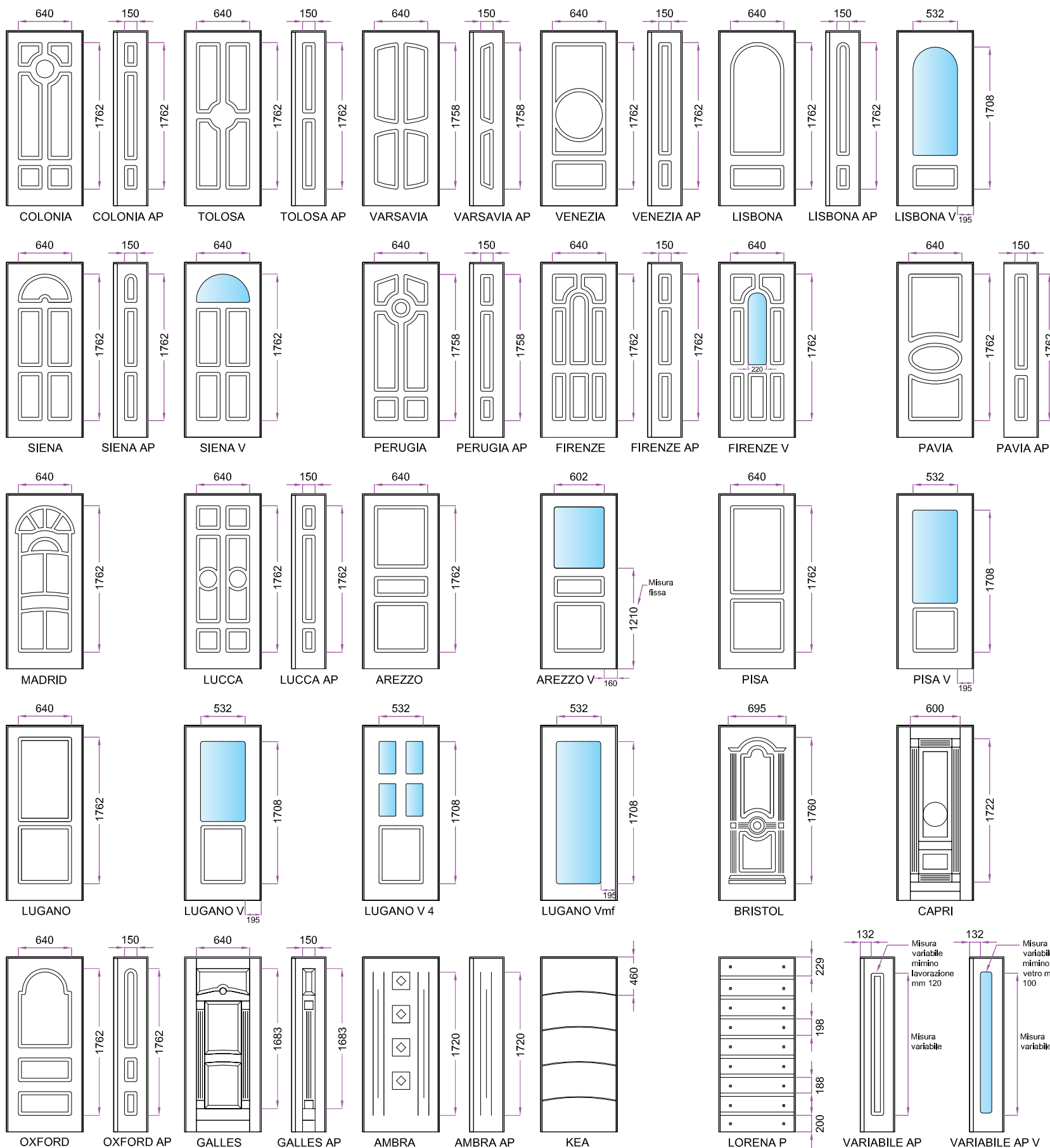
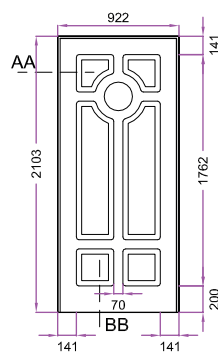
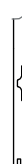
PANTOGRAPHED DESIGNS

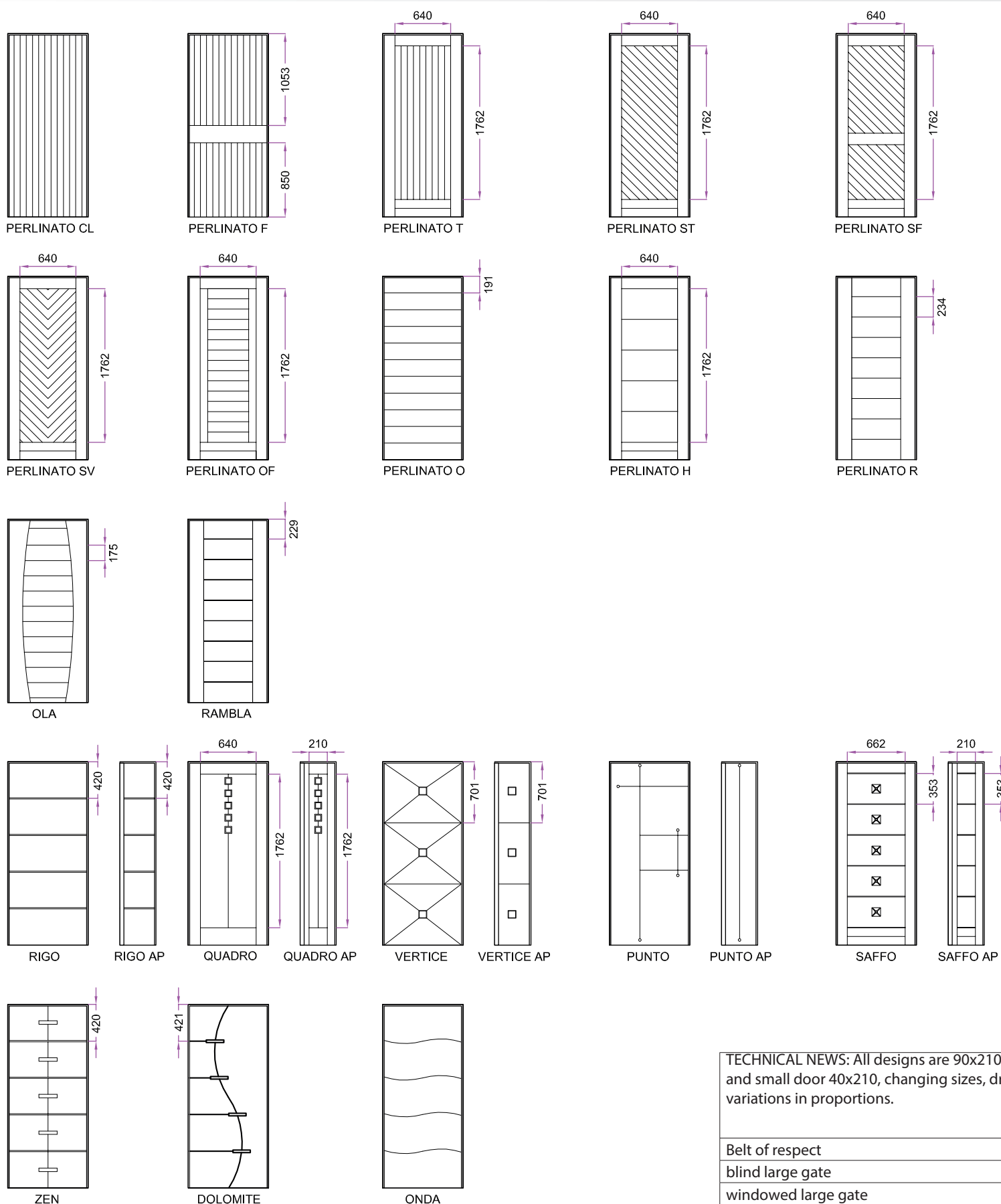
thickness 14 mm

Most common cut



sez. B B





TECHNICAL NEWS: All designs are 90x210 door panels and small door 40x210, changing sizes, drawings have variations in proportions.

Belt of respect

blind large gate	mm 110
windowed large gate	mm 195
blind small gate	mm 70
windowed small gate	mm 110

MINIMUM REQUIRED MEASUREMENTS per model:

Colonia, Tolosa, Varsavia, Lisbona V, Siena, Perugia, Lucca, Arezzo V, Lugano V-V4-Vmf	cm 60
Venezia, Lisbona, Pavia, Pisa, Oxford, Ambra, Kea, Lorena P, Perlinato CL-F-T-ST-SF-SV-OF-O-H-R, Rigo, Quadro, Punto, Saffo, Zen, Lorena P	cm 50
Firenze, Dolomite	cm 65
Madrid, Bristol, Galles, Vertice, Dolomiti, Onda	cm 70
Ola, Rambla	cm 80

NOTE: We can create all kinds of pantographed panels after a feasibility check..

The pantographed panels are from the company "EFM" www.efmlegno.it and "MAS" www.maslegno.it, for other models visit the indicated websites.

Aluminum Coverings

CLASSIC Line

FOR OUTDOOR USE

They do not require any maintenance and with modern processing techniques, their aesthetic appeal and finish are always getting better.



Model:
Algenib/KB
+ **Algenib/KS**
Color:
Renolit
gold oak
2178001





Model: *Auriga/K*
Color: *Renolit walnut 2178008*



Model: *Bellatrix/K*
Color: *Ral 6005*





Model: *Ikaro/K*
Color: *Ral 1013*



Model: *Perseo/K*
Color: *Kromoss PKA7*





Model:
Miranda/K
+ **Jolly/KG1**
Color:
P 7203
anthracite





Model: *Rigel/K2*
Color: *Camel series Decoral American walnut*



Model: *Spiga/KG*
Color: *Ral 9001*



STYLE Line

FOR OUTDOOR USE



Model: **Oblò/x1**
Color: **Ral 4008**



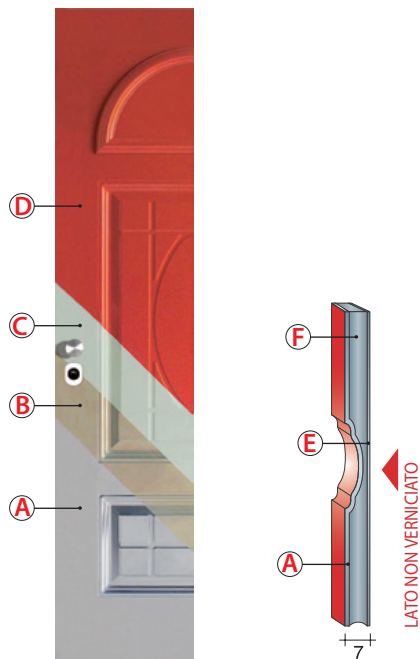
Model: **Rotary/X**
Color: **Ral 7031**



Model:
**Vele/X +
Jolly/XA1**
Color:
Ral 7047



ALUMINUM PANEL with Pirall® isolation



- A Aluminum slab
- B Chromate
- C Protective titanium covering
- D Polyester dust covering
- E Unvarnished aluminum slab
- F Isolation in Pirall® (expanded polyurethane)

Characteristics of Pirall®:

- Compression resistance (ISO 844) kPa 2600 ± 200;
- Thermal conductivity at 10 °C (ISO 8301) mW/m K 31;
- Water absorption (ISO 2896) %3;
- Dimensional stability 48h to 100 (ISO 2796) 1,0;
- Maximum exercise temperature °C + 120 -180;
- Reaction to fire (DIN 4102) class B2 (ISO 3582) <30 mm.

Test results of the aluminum panels with Pirall® isolation:

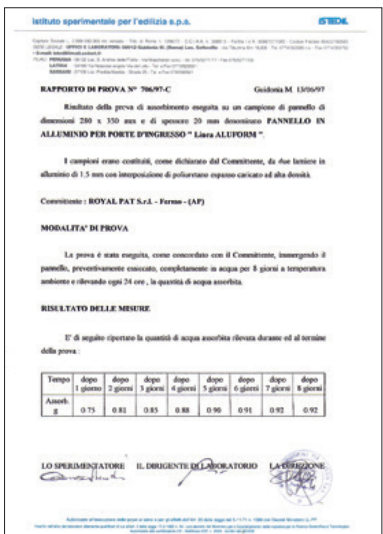
Corrosion: Uni En Iso 9227 exposed to saline fog for 500 hours no corrosion
Swelling: Panel submerged in water for 8 days..... no swelling
Absorption: Panel submerged in water for 8 days absorption 0,92 grams
Thermaltransfer:(declaredvaluefromthehouseunderconstruction)..... Up=3,5W/m²K



Corrosion.



Swelling.



Absorption.

10 YEAR GUARANTEE.

For all aluminum panels with any exposure we give one



INDOOR PLACEMENT
closed environment

All models



WELL SHELTERED
OUTDOOR PLACEMENT
veranda of at least 3 m

All models



SHELTERED OUTDOOR
PLACEMENT
small awning or balcony

all models are windowed



OUTDOOR PLACEMENT
completely exposed

all models blind

Aluminum Coverings

COLOR SAMPLES ALUMINUM PANELS

The color samples consist of three types *Lacquered*, *Renolit*, *Wood stain* which determine the maximum dimensions of the aluminum panels, with or without windows.

Laege gate

- 1 *Lacquered* 125x250 cm
- 2 *Renolit* 110x250 cm
- 3 *Wood stain* 110x230 cm

Small gate

- 1 *Lacquered* 55x250 cm
- 2 *Renolit* 55x250 cm
- 3 *Wood stain* 55x230 cm

1 LACQUERED

-Lacquered all Ral  colors with glossy finish*

-Lacquered Royal** colors with opaque finish



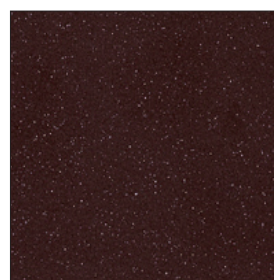
P 7003 grinz***
gray



P 7000 mix****
dark gray



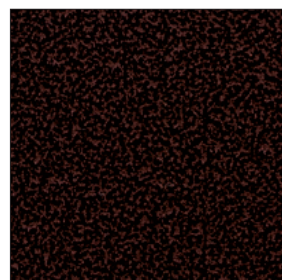
P 7203 grinz
black smoke



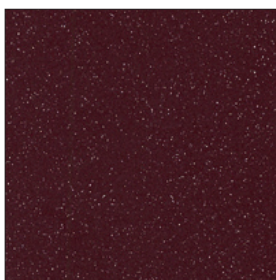
P 7200 mix
brown



Brown grinz



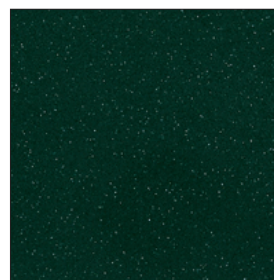
AK02V
copper coated



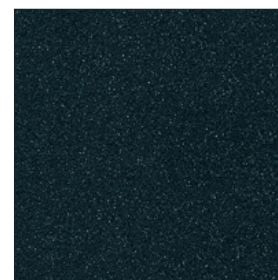
P 7300 mix
red



Green grinz



P 7100 mix
green



P 7103 grinz
green

- Lacquered colors Royal painting frame - post folder colors:

**NEW
ARTICLE**

Color Comparison Table			
<i>Royal</i>	<i>Kromoss</i>	<i>Camel</i>	<i>Molisana metalli</i>
P7100 green mix	PV..	Green marble 6005	Green mix
P7200 brown mix	PM PA	Brown marble 8017	Brown mix
			Gray metallic iron *****

You can make paintings of other colors in a folder both of these and other paint manufacturers, after checking for their availability.

NOTES: * Opaque can be ordered as well, upon request.

** For other colors not shown above, visit www.royalpat.it

*** The term grinz refers to a textured finish.

**** The term mix indicates a smooth finish.

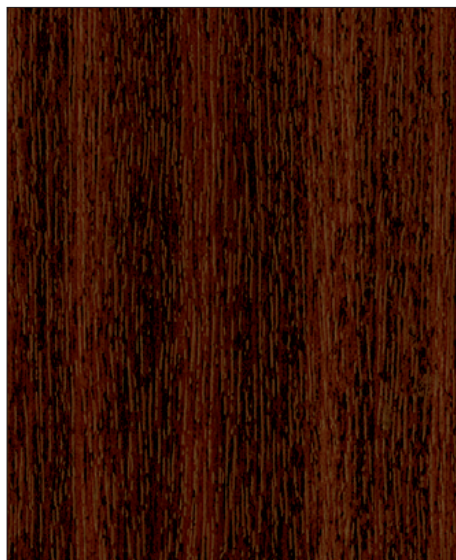
***** Color gratings pag 131.

2 RENOLIT

Renolit Pvc wood colors



Gold oak 2178001



Striped mahogany 2097013



Medium walnut 2178007



Burnt walnut 2178008



Striped walnut 3149008



Striped oak 2052090

3 Wood stain

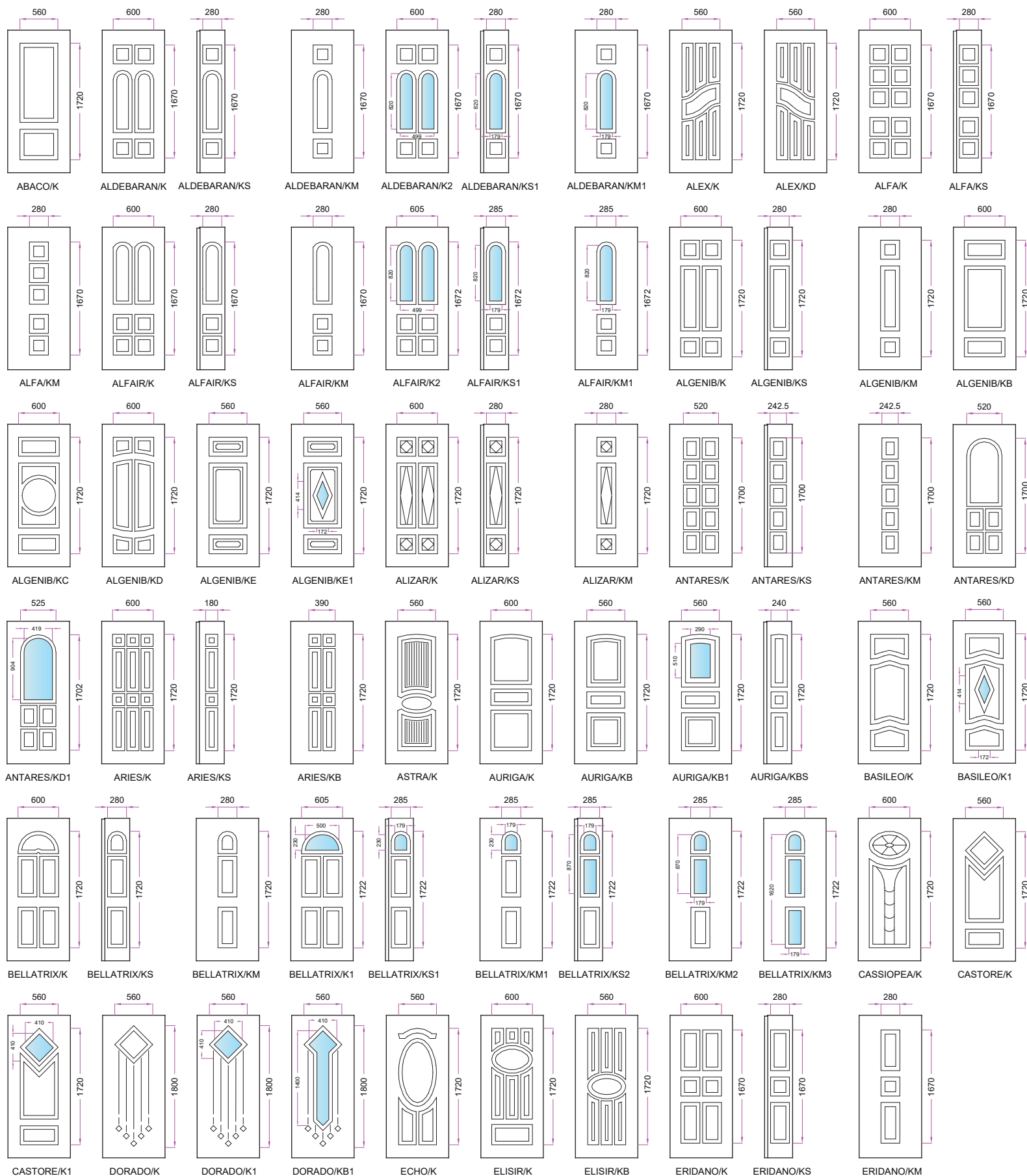
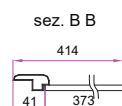
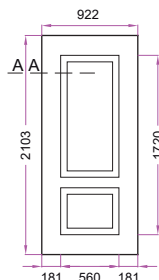
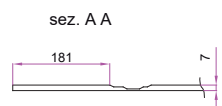
Wood stain, indicate the brand and the color code. Example:

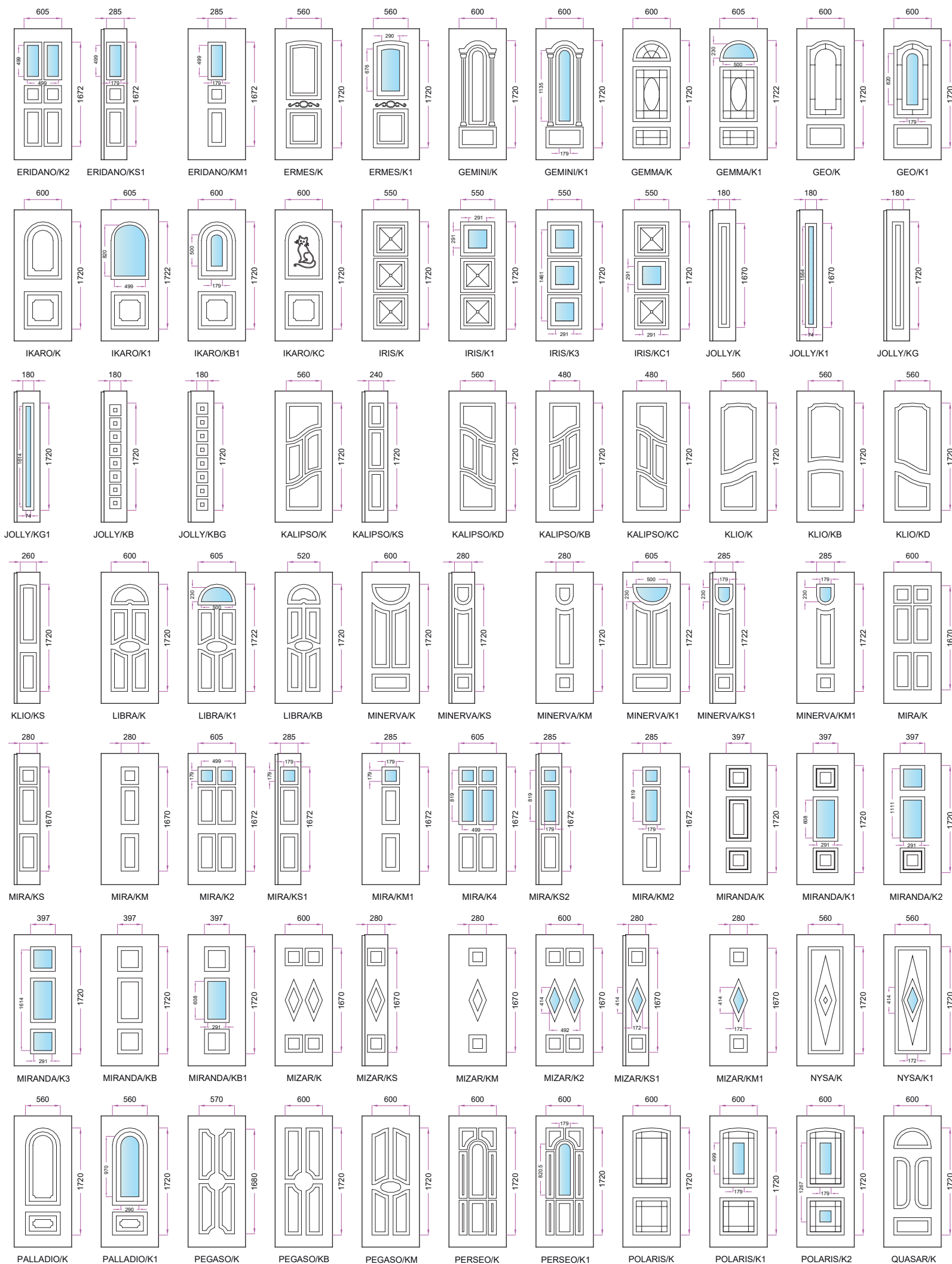
<i>Camel</i>	color code <i>Decoral series, American walnut</i>
<i>Kromoss</i>	color code <i>PKA7</i>
<i>Decoral</i>	color code <i>Walnut B70</i>
<i>Molisana metalli</i>	color code <i>Dark walnut 3404</i>

Aluminum Coverings

Aluminum Designs CLASSIC Line
thickness 7 mm

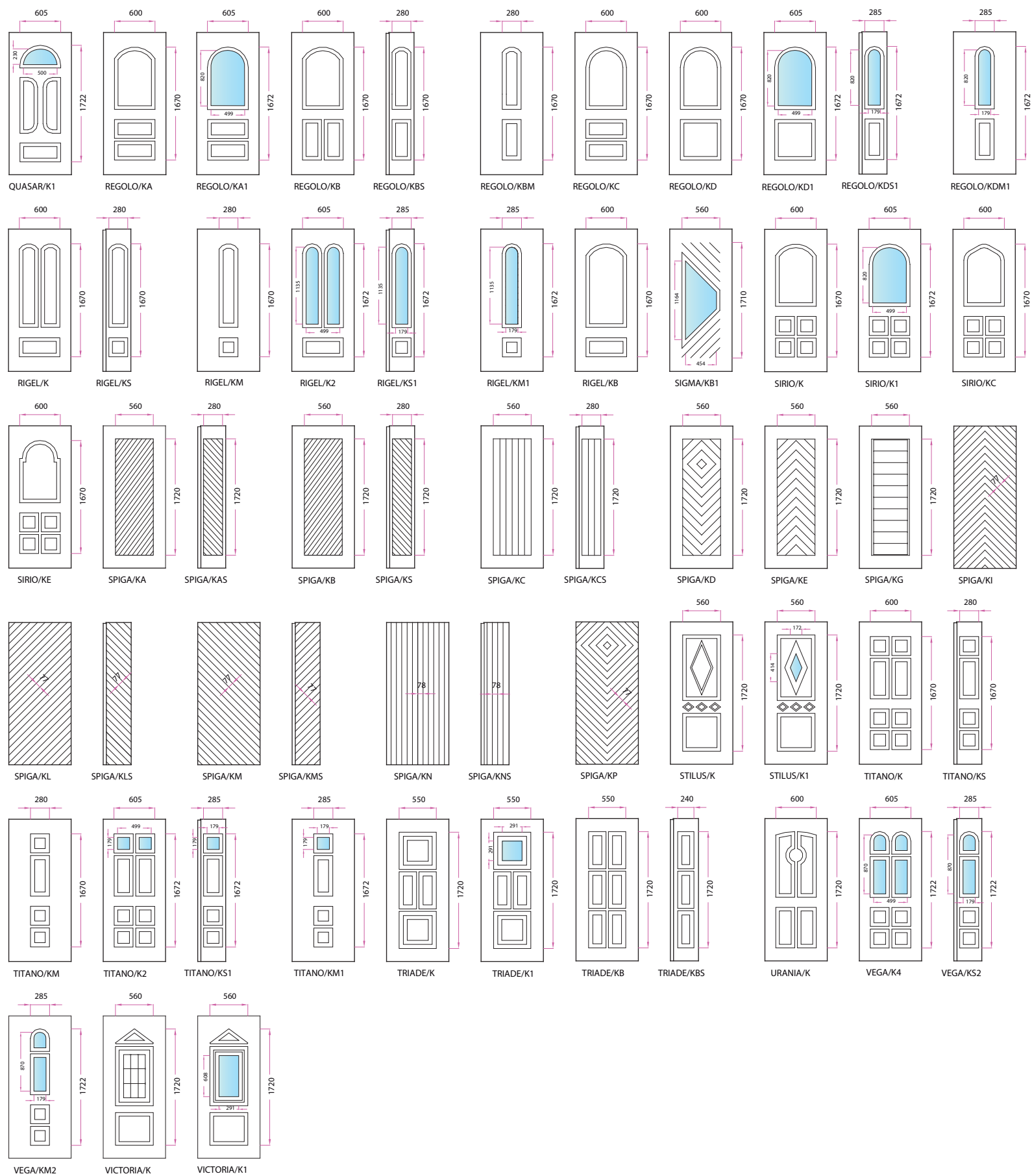
Most common profile



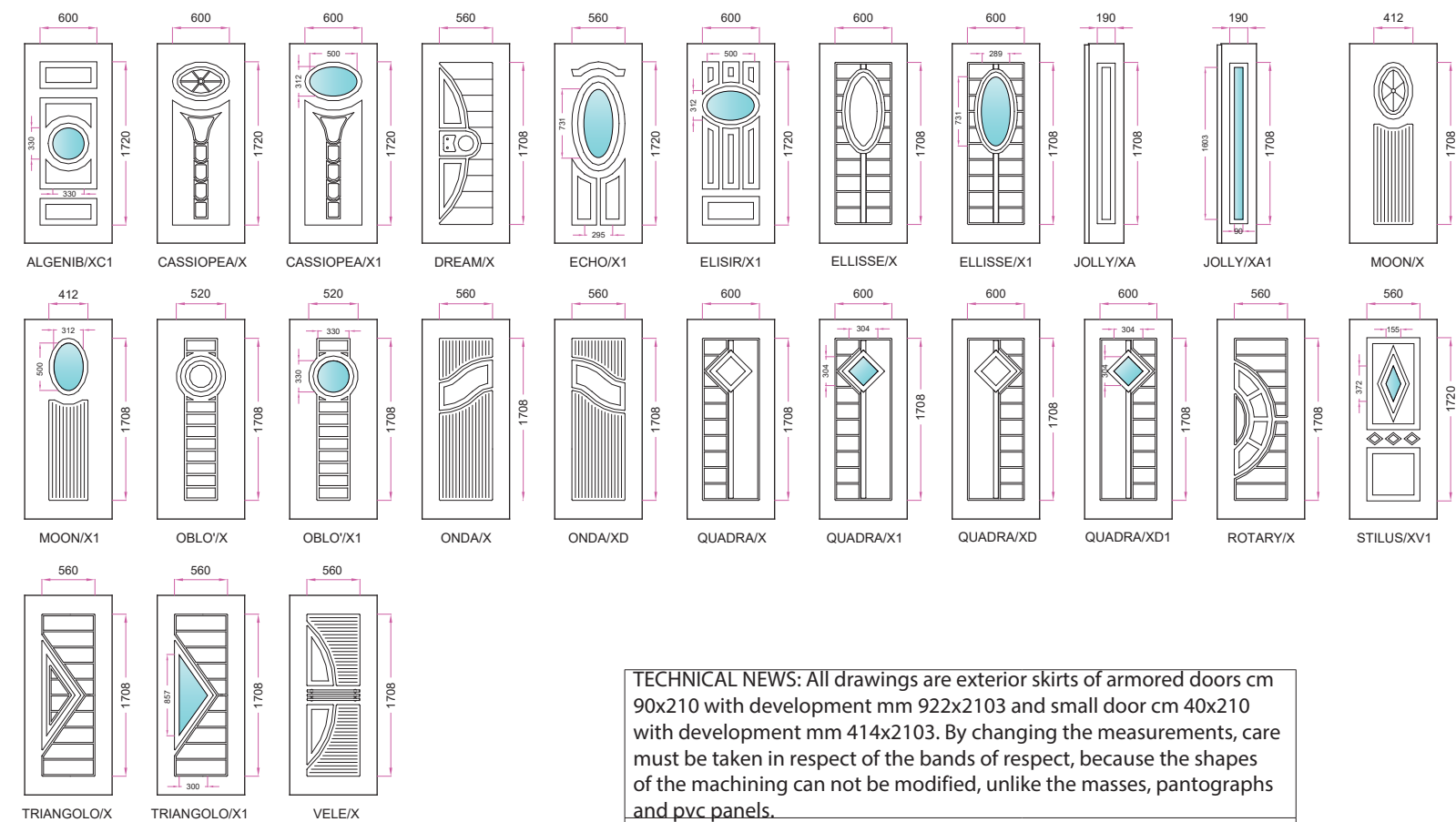


Aluminum Coverings

Aluminum Designs CLASSIC Line



ALUMINUM DESIGNS STYLE Line



TECHNICAL NEWS: All drawings are exterior skirts of armored doors cm 90x210 with development mm 922x2103 and small door cm 40x210 with development mm 414x2103. By changing the measurements, care must be taken in respect of the bands of respect, because the shapes of the machining can not be modified, unlike the masses, pantographs and pvc panels.	
Belt of respect	
blind large gate	mm 110
windowed large gate	mm 195
blind small gate	mm 70
windowed small gate	mm 110

Examples:

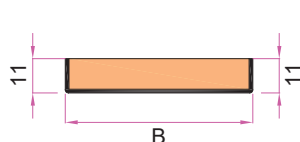
Ex. 1 - **Algenib/K**, zone of operation 600 mm.
Door width 90 cm = 922 mm. Therefore $922 - 600 = 322$ divided by $2 = 161$ which is more than the *blind, large leaf* buffer zone.

Ex. 2 - **Algenib/K** zone of operation 600 mm.
Door width 77cm = 792 mm. Therefore $792 - 600 = 192$ divided by $2 = 96$ which is less than the *blind, large leaf* buffer zone.
The panel cannot be mounted, otherwise the handles will be within the zone of operation.

Ex. 3 - **Rigel K2**, glass, zone of operation 499 mm.
Door width 90 cm = 922 mm. Therefore $922 - 499 = 423$ divided by $2 = 211,5$ which is more than the *windowed, large leaf* buffer zone.

THE FINISHED PROFILES in aluminum have a fixed length and are indivisible, they vary depending on the color types.

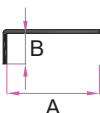
Lacquered	2500 mm
Renolit	2300 mm
Wood stain	2300 mm



Canalino in alluminio mm 1.2
supportato in MDF



Canalino in alluminio mm 1.2
(superficie esterna in vista)



Angolare in alluminio mm 1.2
(superficie esterna in vista)

NOTA: For the Sigma / KB1 and Triangle / X1 models, the hole defender is always positioned on the long side of the glass.
To have the defender on the opposite side, a drawing must be made in order.

PVC Coverings

FOR OUTDOOR USE

Alternative to other external panels. Since the material used is the same as the PVC fixtures, they match easily.



Model:
P-043
Material:
PVC
Color:
436-2048
Medium walnut





Model:
Q-194 V01-Dx
Material:
PVC
Color:
5013.050.167
Cobalt blue





Model: **P-087**
Material: **PVC**
Color: **436-2036 Gold Oak**



Model: **P-085**
Material: **PVC**
Color: **436-2036 Gold Oak**





Model:
**Q-087-V01 +
Q-201-V01**
Material: **PVC**
Color:
436-5049
Light Grey



PVC Coverings

MATERIAL : PVC

SUPPORT : HDF water-repellent mm 12

5 YEAR GUARANTEE*.

For all windowless PVC panels in any type of placement.



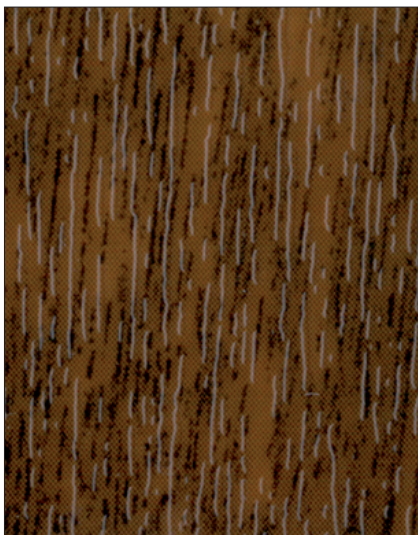
 INDOOR PLACEMENT closed environment <i>All models</i>	 WELL SHELTERED OUTDOOR PLACEMENT veranda of at least 3 m <i>All models</i>	 SHELTERED OUTDOOR PLACEMENT small awning or balcony <i>all models are windowed</i>	 OUTDOOR PLACEMENT completely exposed <i>all models blind</i>
---	--	---	--

NOTE: *For PVC panels with windows we still offer a 5 year guarantee but only with a sheltered OUTDOOR PLACEMENT.

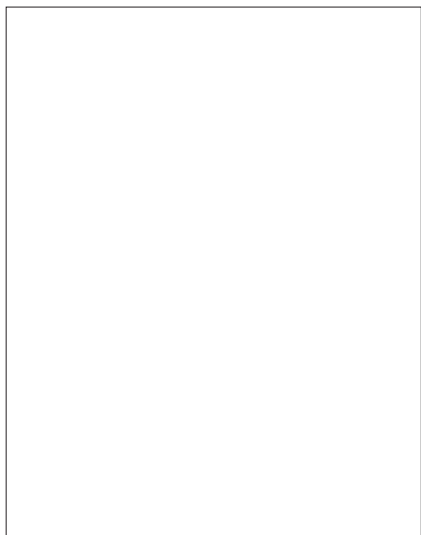
COLOR SAMPLES *Hormschuch* Pvc



436-2036 Gold Oak



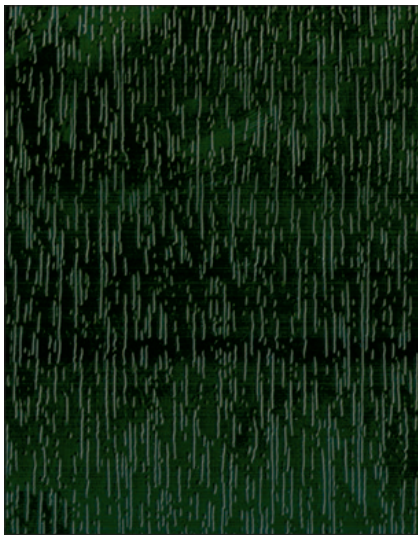
436-2048 Medium walnut



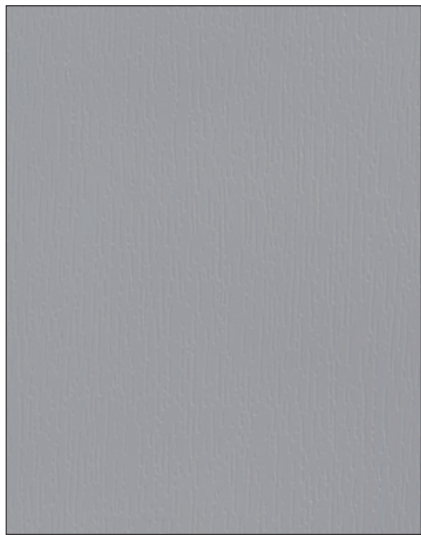
436-7030 White



456-5015 Cream



436-5021 Dark Green



436-5049 Light Gray

Comparison table for PVC Covering Colors

Hornschuch Code	Renolit Equivalent	Description	Effect/Type	RAL number	Use*
436-7030	9152.05/083	White	Ral Smooth	9016	3
436-6021		Dark Green	Ral Smooth Opaque	6009	
436-6013		Red	Ral Smooth Opaque	3011	
436-6010		Blackish Brown	Ral Smooth Opaque	8022	
436-6003		Anthracite	Ral Smooth Opaque	7016	
436-1809	9294.05/179	White Ash	Ral Wood Effect	9003	8
456-5015	49113	Cream	Ral Wood Effect	9001	5
456-5053	9152.05/168	White 9010	Ral Wood Effect	9010	6
436-5014	6005.05/167	Green	Ral Wood Effect	6005	11
436-5021	6125.05/167	Dark Green	Ral Wood Effect	6009	7
436-5008	3005.05/167	Burgundy Red	Ral Wood Effect	3005	
436-5013	3081.05/167	Red	Ral Wood Effect	3011	
436-5003	7016.05/167	Dark Gray	Ral Wood Effect	7016	
436-5049	7155.05/167	Light Gray	Ral Wood Effect	7001	12
436-5006	5150.05/167	Steel Blue	Ral Wood Effect	5011	
436-5026	5007.05/1670	Bright blue	Ral Wood Effect	5007	
436-2001	2065-021/167	Flamed Mahogany	Wood		
436-2002	2097.013/167	Striped Mahogany	Wood		
436-2007	2052.089/167	Dark Oak	Wood		13
436-2022	3152.009/167	Douglas	Wood		14
436-2032	3202.001/167	Piedmont Cherry	Wood		
436-2035	2178.008/167	Earthy walnut (flamed)	Wood		4
436-2036	2178.001/167	Gold Oak	Wood		1
436-2048	2178.007/167	Medium walnut	Wood		2
436-2060	3162.002/167	Macorè	Wood		
436-3031		Pink Birch	Smooth Wood		
436-3041		Natural Sorrento Walnut	Smooth Wood		
436-3042		Balsamic Sorrento Walnut	Smooth Wood		10
436-3043		Amaretto Cherry	Smooth Wood		
436-3058		Amaretto Walnut	Smooth Wood		
436-3059	49367-015	Smooth Earthy Walnut	Smooth Wood		15
436-3062		Colonial Walnut	Smooth Wood		
436-3077	49240-015	Newcastle Oak khali	Smooth Wood		9
456-3081		Sheffield Light Oak	Smooth Wood		
436-1011		Mocca Wood	Metallic Smooth Wood		
436-1001		Aluminum	Metallic		
436-1004		Platinum	Metallic		
436-1005		Quartz	Metallic		
436-1007		Bronze	Metallic		
436-1008		Titanium	Metallic		

NOTE: * The number 1 indicates the most popular PVC panel.

MINIMUM DIMENSIONS FOR EACH MODEL:

Q-006-V01, Q-007-V01, Q-010-V01, Q-015-V01, P-022, P-024, P-035, P-043, P-080 Sx/Dx, Q-085-V01, P-092 Sx/Dx, Q-102-V01, P-120, P-180, Q-180-V01, Q-181-V01, P-184, P-192, P-195	cm 65
P-006, P-007, P-014, P-015, P-016, P-042, P-063, P-085, P-102 P-123, P-125, P-181	cm 55
P-025, P-028, P-034, P-062, P-067, P-087, P-103, P-127, P-183, P-189, Q-189-V01	cm 70
Q-087-V01, P-090, P-104, P-106, P-114, Q-114-V01, P-135, P-137, P-171, P-174, P-188, Q-188-V01, P-194-Dx/Sx, Q-195-V03	cm 75
Q-135-V01, Q-194-V01-Dx/Sx	cm 80
Q-127-V02	cm 85

TECHNICAL NEWS:

All the designs are 90x210 armored doors and small door panels 40x210, changing the dimensions the designs will undergo variations in proportions.
Maximum dimensions of PVC panel doors large cm 110x280, small door cm 55x280.

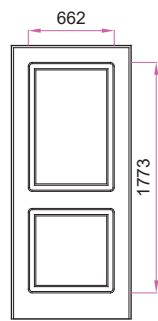
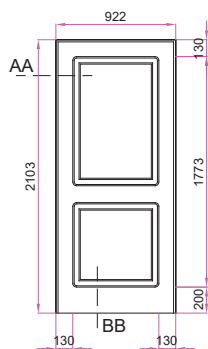
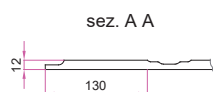
Belt of respect

blind large gate	mm 110
windowed large gate	mm 195
blind small gate	mm 70
windowed small gate	mm 110

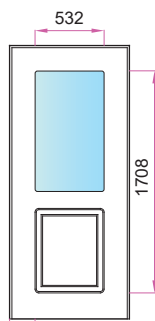
PVC Coverings

PVC DESIGN
Thickness 12 mm

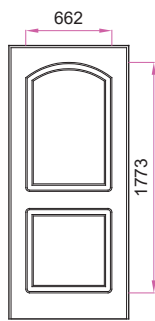
Most cut profile



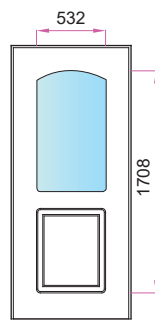
P-006



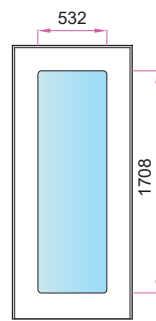
Q-006-V01



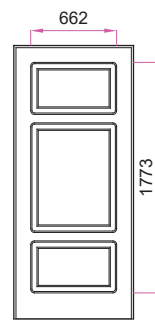
P-007



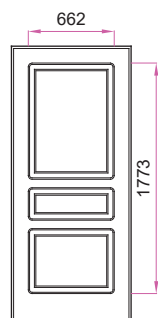
Q-007-V01



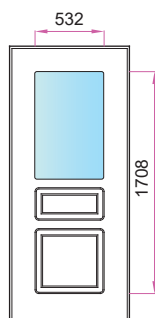
Q-010-V01



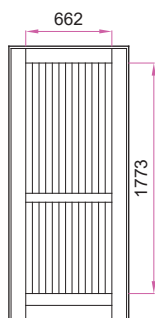
P-014



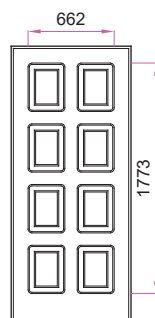
P-015



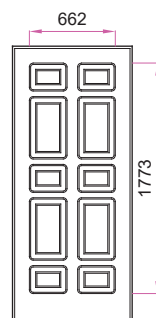
Q-015-V01



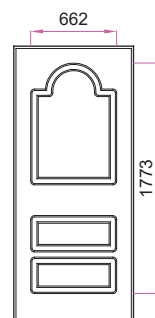
P-016



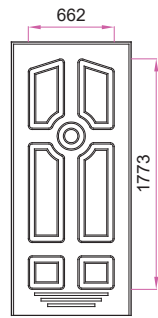
P-022



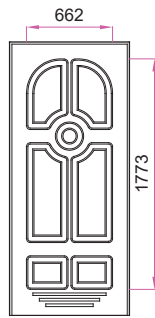
P-024



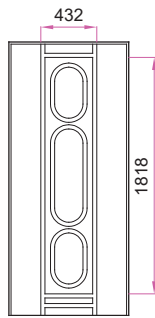
P-025



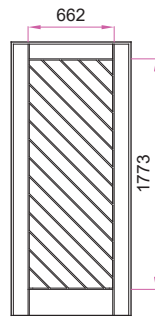
P-028



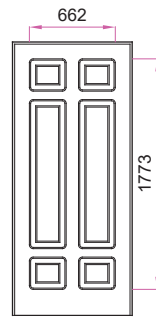
P-034



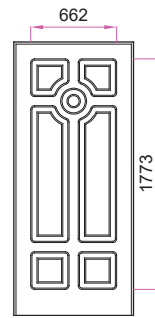
P-035



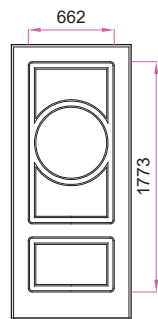
P-042



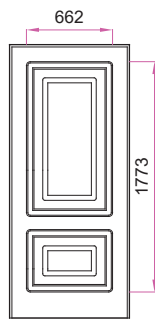
P-043



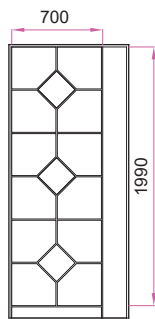
P-062



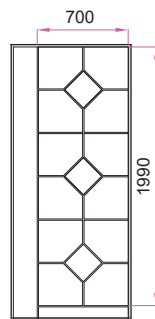
P-063



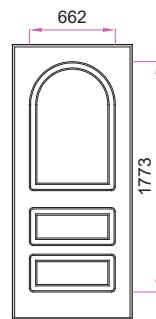
P-067



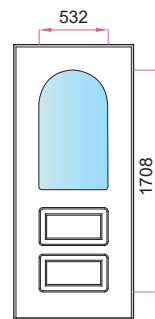
P-080-SX



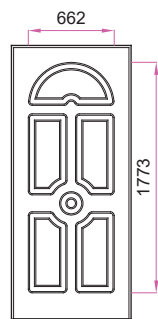
P-080-DX



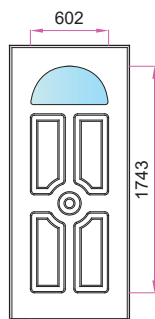
P-085



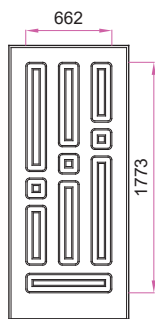
Q-085-V01



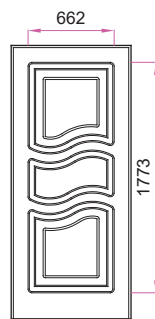
P-087



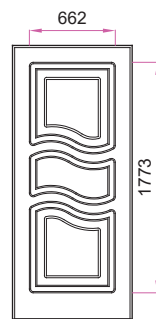
Q-087-V01



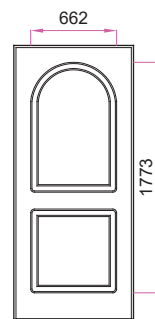
P-090



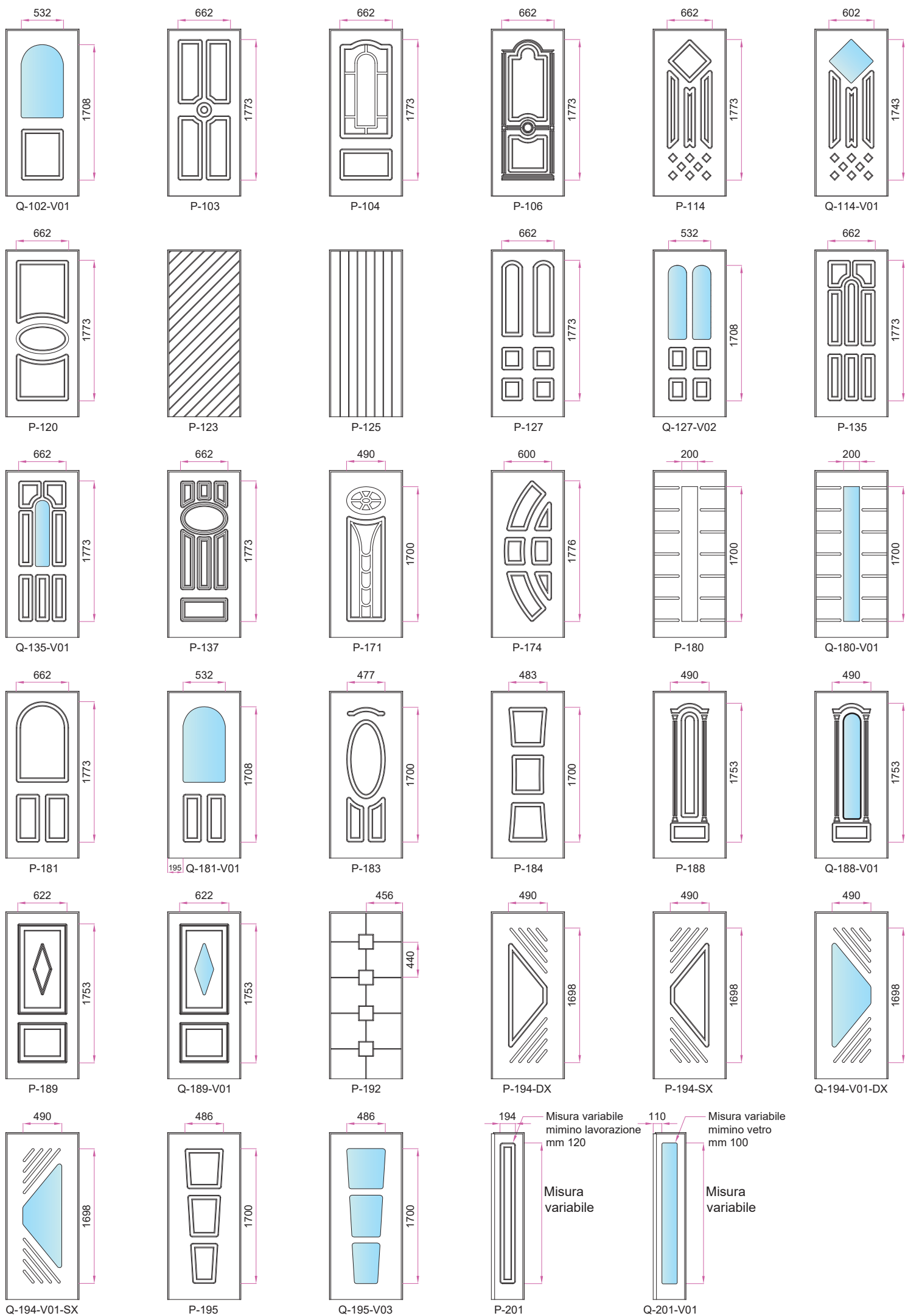
P-092-SX



P-092-DX



P-102



NOTE: We can create any kind of PVC panel pending a feasibility check.

Steel Gratings

FOR OUTDOOR USE

The windowed doors and skylights have both function and style. All of the parts are joined together in harmony, while the welds remain hidden.



Model: *Grate holed "D" to sample*
Material: *Galvanized steel**
Color: *Textured anthracite*



Model: *Classic 25x200*
Material: *Galvanized steel**
Colore: *Textured anthracite*

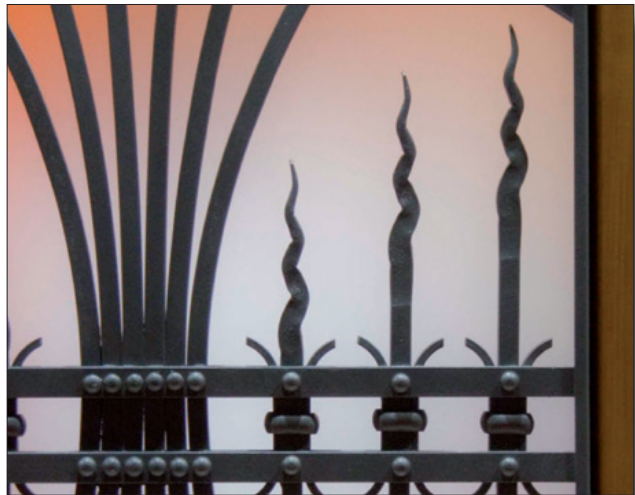




Particular grate holed "D"



Particular grate Classic.



Particular grate Liberty.

Model: *Grate liberty LA 110x55 (skylight)*
 Model: *Grate liberty to sample*
 Marerial: *Galvanized steel**
 Color: *Textured anthracite*

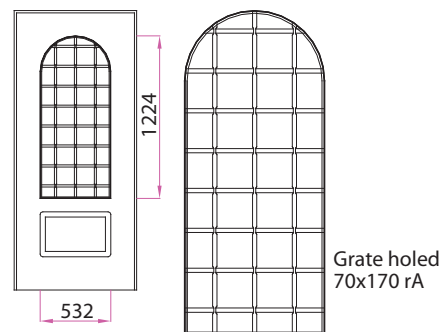
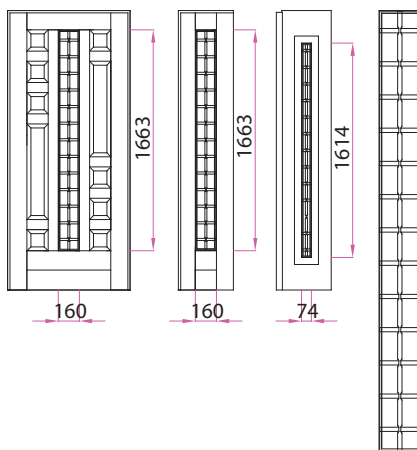
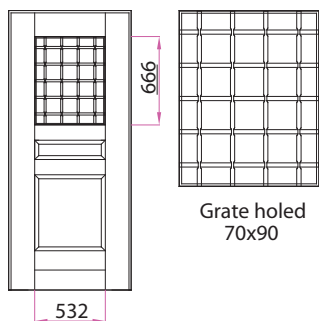


NOTE: Exposure icons refer to panels.

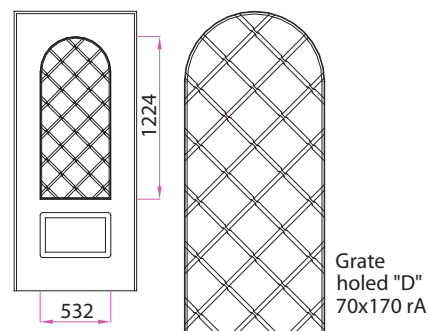
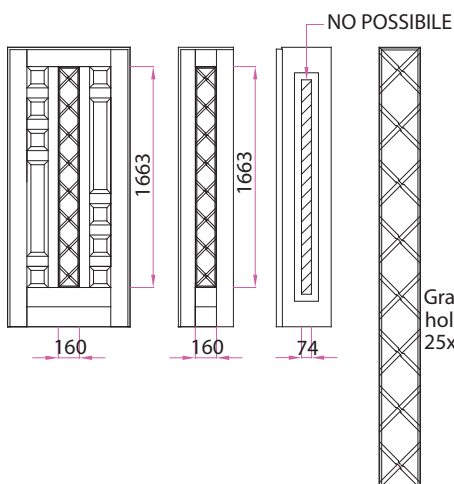
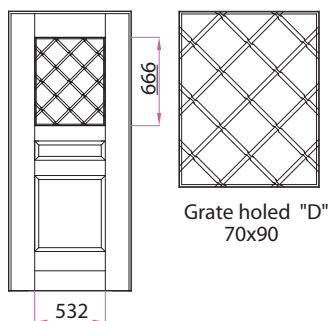
Steel Gratings

GRATING DESIGNS

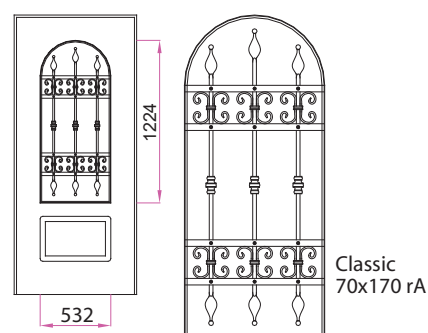
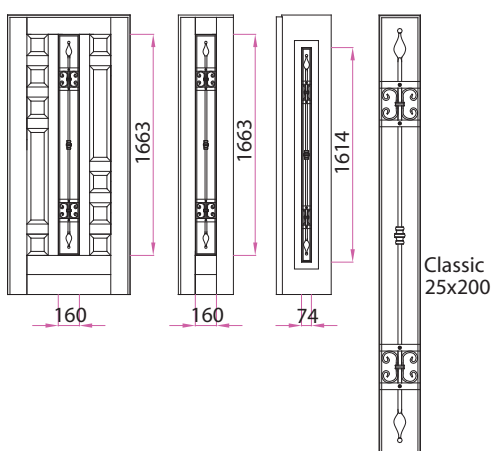
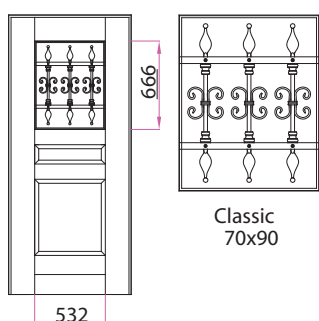
GRATE HOLED



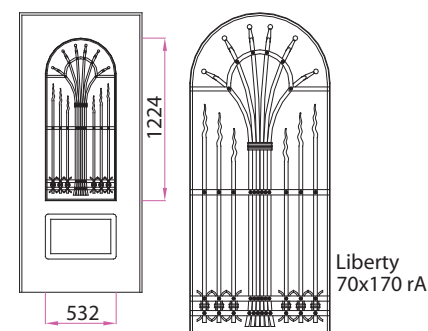
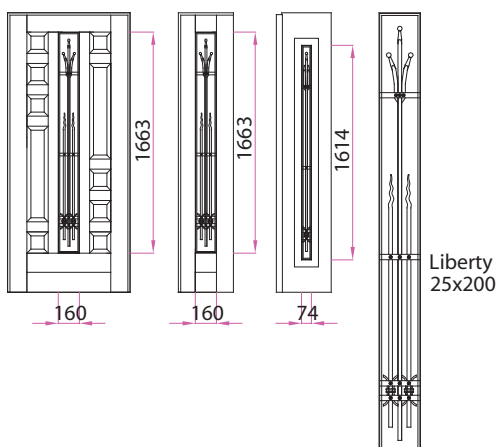
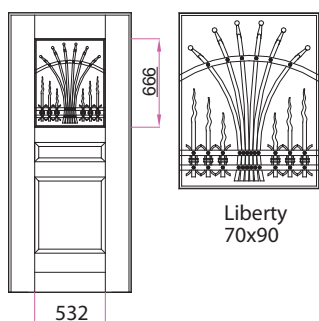
GRATE HOLED "D"

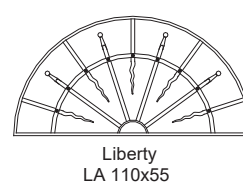
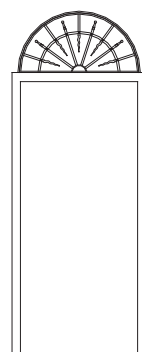
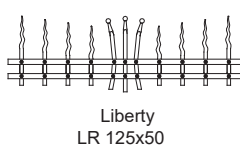
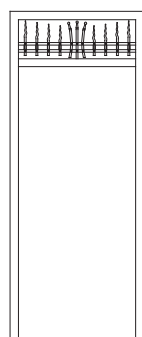
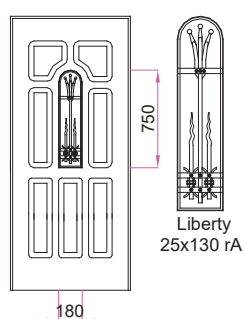
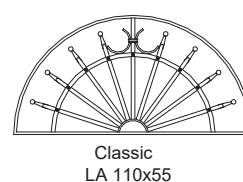
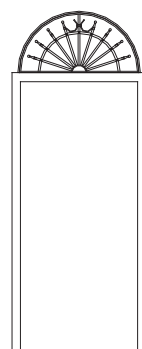
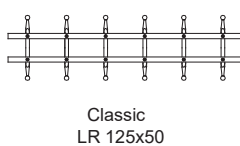
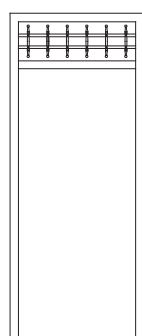
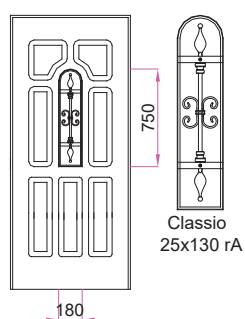
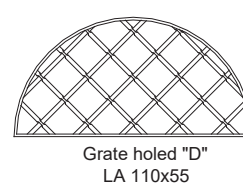
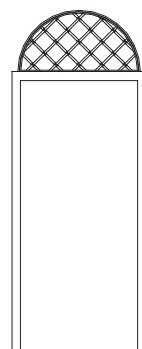
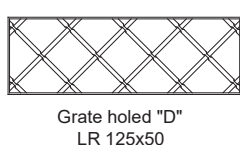
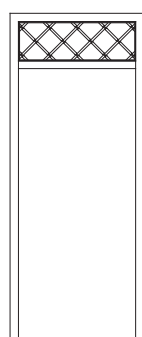
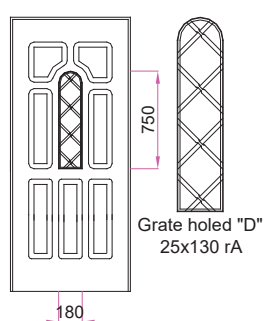
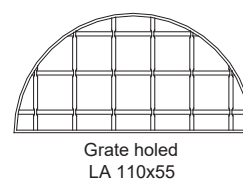
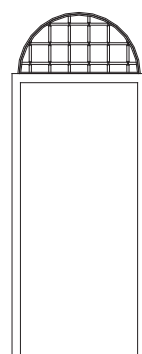
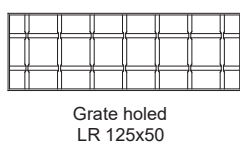
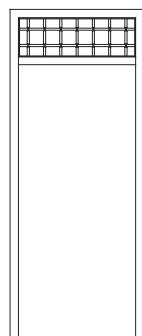
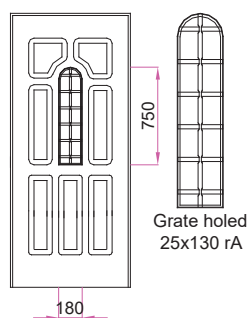


CLASSIC



LIBERTY





TECHNICAL NOTES:

- All designs pertain to a 90x210 armored door and small leaf 40x210, by changing the size of the gratings there will be variations in the proportions.
- The gratings on the skylights are welded to the frame, therefore they have the same color as the frame.
- We can create a sample grating pending a feasibility check.

Awnings

Our awnings are beautiful, they provide shelter from the rain and protect the door from the elements.



Model:
Classic
Color:
Anthracite
Glass:
Neutral Satin

MATERIALS:

- Shelf structure: stainless steel AISI 430
- Other structural parts: extruded aluminum alloy 6060
- Paint: polyester powder baked at 200° C
- Cover: acrylic glass shockproof Poly-Plex (plastic), 4 mm thick

CERTIFICATION:

- Snow load: up to 200 Kg / m2
- Wind Resistance: 100 Kg / m2
- Resistance to saline fog: 500 hours

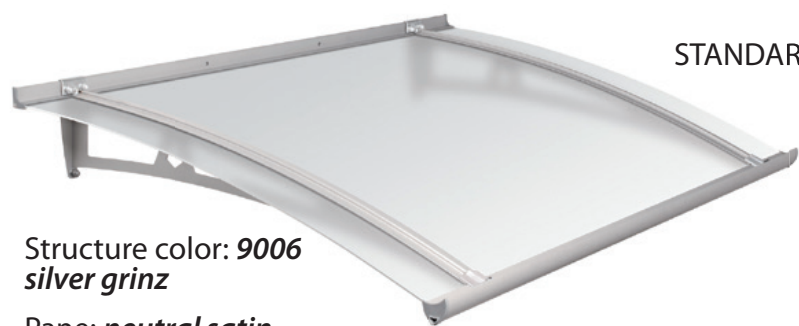
GUARANTEE

Awnings **GUARANTEE 10 YEARS**, but are made to last a lifetime.

Model: MODERNO

Model: CLASSICO

STANDARD models

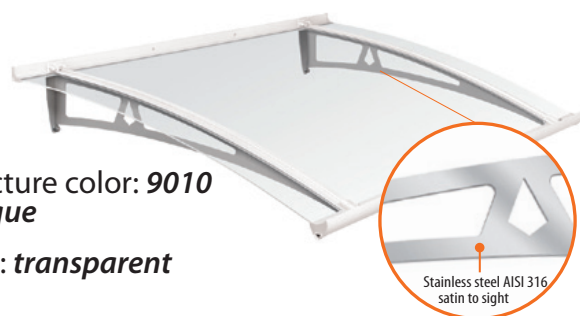


Structure color: **9006 silver grinz**
 Pane: **neutral satin**



Structure color: **anthracite**
 Pane: **neutral satin**

PREMIUM models (surcharge)



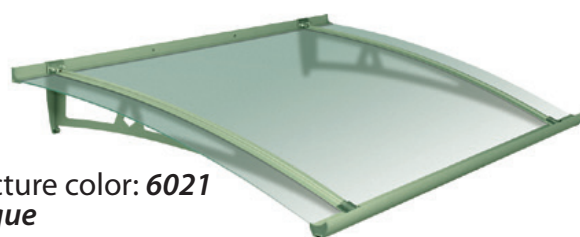
Structure color: **9010 opaque**
 Pane: **transparent**



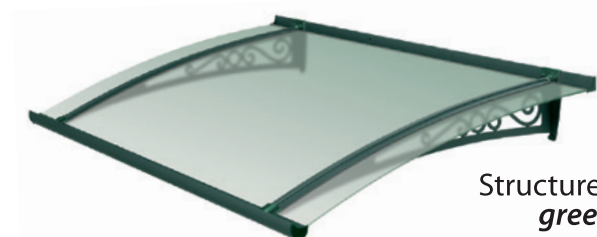
Stainless steel AISI 316
 satin to sight



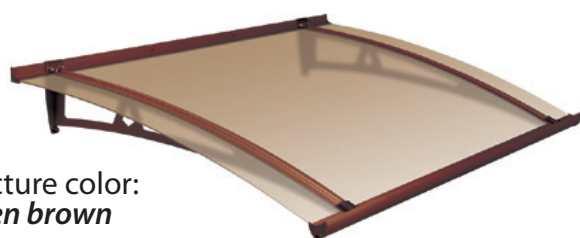
Colore struttura: **9006 silver grinz**
 Pane: **transparent**



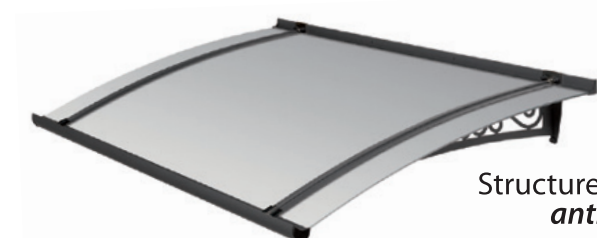
Structure color: **6021 opaque**
 Pane: **bottle green**



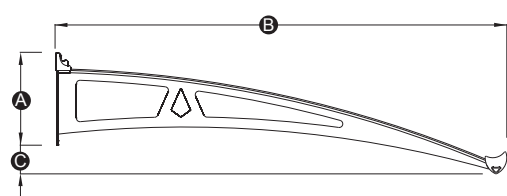
Structure color: **green grinz**
 Pane: **bottle green**



Structure color: **corten brown**
 Pane: **bronze**

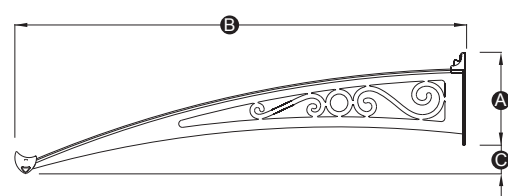


Structure color: **anthracite**
 Pane: **solar control**



STANDARD SHELF

B	750	1000	1250	1500
A	165	205	240	280
C	45	65	80	90



FAUX FINISHES

CAPITONNE'

FOR INDOOR USE

PADDED PANELS FOR OUR ARMORED DOORS ...*truly a touch of class.*

Model:
Capitoné
Material:
Faux Leather
Color:
Burgundy





Adding the finishing touches to the Capitonne' covering



Special edge finish for capitonne' panel.



Model: *Capitonné*
Material: *Faux Leather*
Color: *Wood-brown*



Model: *Capitonné*
Material: *Faux Leather*
Colore: *White*



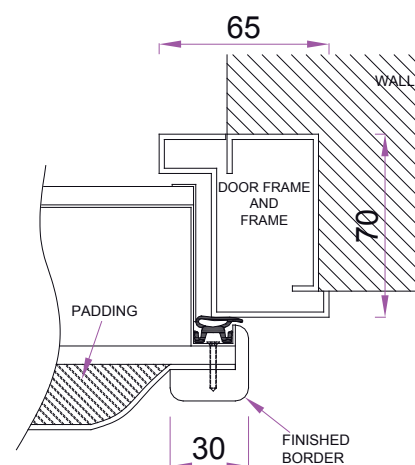
FEATURES

- MDF support 6 mm.
- Sound-absorbing foam padding 30 mm.
- 20 mm diameter buttons.
- Fireproof faux leather with high wear resistance.
- Properties: good thermal insulation, excellent sound insulation.

BORDER FINISH

The standard border finish is done with Kotò wood, medium walnut stain. You can improve the look by matching the color of the frame and the border with the capitonné' covering with the following RAL colors:

- | | | | |
|---------------------|--------------|--------------------|--------------|
| - White | con Ral 9016 | - Bush Green | con Ral 6005 |
| - Creamy white..... | con Ral 1015 | - Sky blue... | con Ral 5024 |
| - Wood-brown* ... | con Ral 8007 | - Yellow | con Ral 1004 |
| - Burgundy* ... | con Ral 8015 | - Anthracite..... | con Ral 7016 |

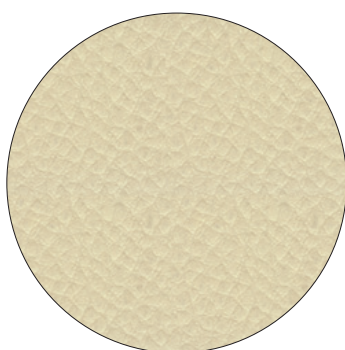


Section

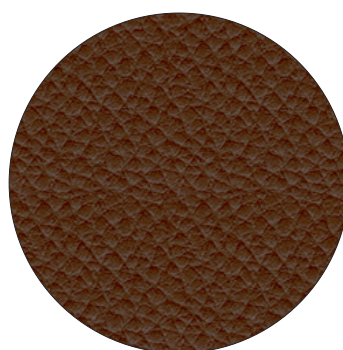
COLOR SAMPLES** capitonné panels



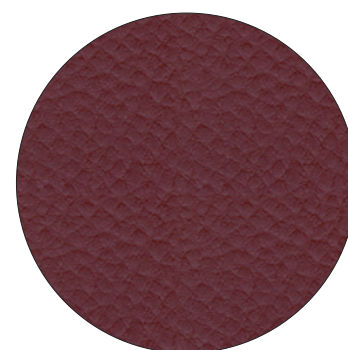
White



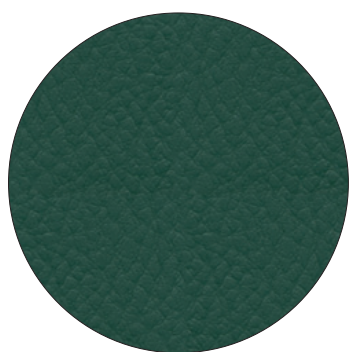
Cream white



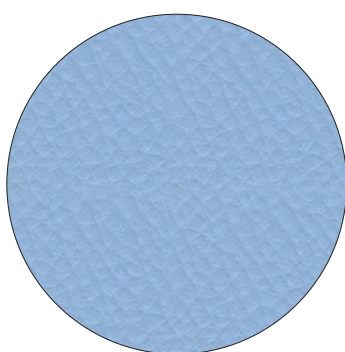
Wood-brown



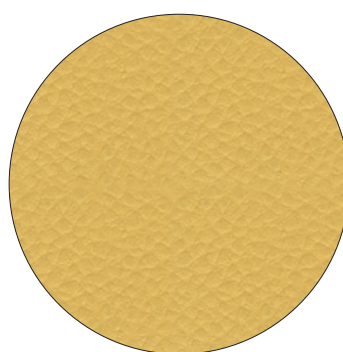
Burgundy



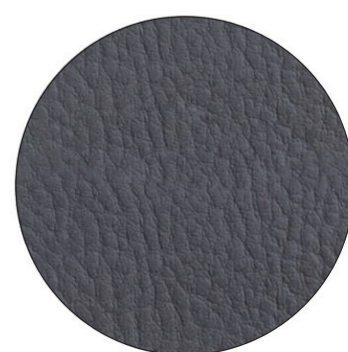
Bush Green



Sky Blue



Yellow



Anthracite

NOTE: * As can be seen from the photos, wood -brown and burgundy are already well-matched with the medium walnut stain Kotò border finish.

** For other colors not in the catalog please visit our website www.piacentinisrl.it and click on the capitonné tab.

Attention, the color samples are representative, but in reality there may be differences presented.

Faux Finishes

LEATHER LINE

FOR INDOOR USE

You will be amazed how these panels simulate the feel of leather.

Model:
LL Rombo 85
Material:
Faux Leather
Color:
Cream



FEATURES

- MDF support 3-6 mm.
- Faux leather polystyrene composite thickness from 5.5 to 2.7 mm.
- High wear resistance.
- Properties: good thermal insulation, good sound insulation.

SAMPLE PROCESSING AND COLORS * leather line panels

Workmanship: Diagonal double stitching 85x85 mm

Faux Leather: thickness 5.5 mm



LL Rombo 85 Mocca matt
Finish: opaque



LL Rombo 85 Creme
Finish: opaque

Workmanship: 40x40 mm diagonal stitching

Faux Leather: thickness 5.5 mm



LL Rombo 40 Mocca matt
Finish: opaque



LL Rombo 40 Creme
Finish: opaque

Workmanship: cast mold, floral design in relief

Faux Leather: thickness: 2.7 mm



LL Floral White Silver matt
Finish: semiglossy



LL Floral White Gold matt
Finish: semiglossy

Workmanship: crocodile skin

Faux Leather: thickness: 3.3 mm



LL Croco Black
Finish: opaque



LL Croco White
Finish: opaque

Workmanship: wrinkled (ridged)

Faux Leather: thickness: 2.8 mm



LL Crepa Nero matt
Finish: opaque



LL Crepa Aubergine
Finish: glossy

TECHNICAL NOTES:

The Faux Leather panel measurements are 1000x2612 mm, it is possible to create an armored door with a maximum net light of 95x260 cm

Special Coverings

INDOOR/OUTDOOR

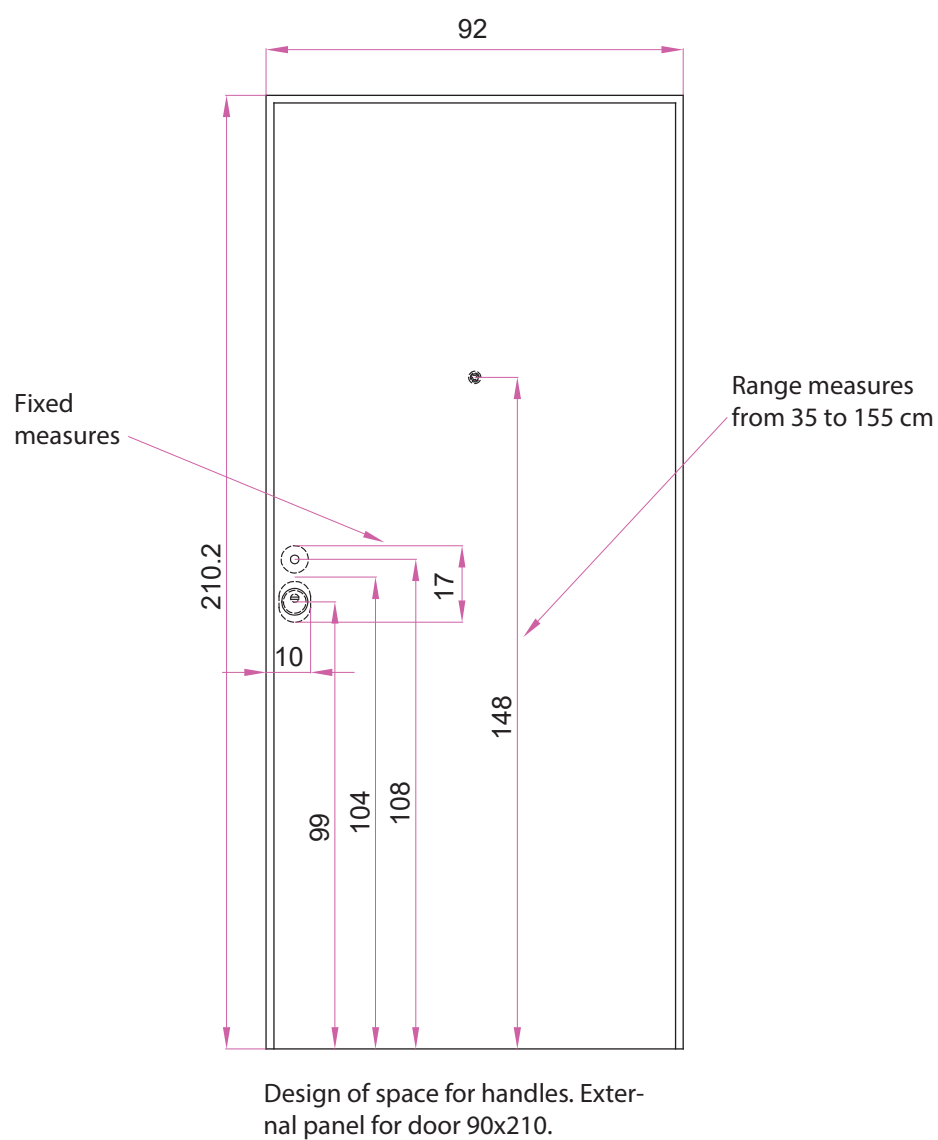
The endless varieties of special coverings available have kept us from including them all in the catalog, instead we have chosen to group together the most popular models based on their cuts and type of processing. The special coverings are commonly used to reproduce existing door panels; we are experts in this line of work. In this part of the catalog we try to guide our designs in such a way so as to relay precise data and avoid errors.



Frames with relief.
Poplar root, frame and panels are salvaged from the existing door.

Rules for design:

- Minimum buffer zone from the border: large leaf 11 cm, small leaf 6 cm.
- When there are frames with relief surfaces or other, always section them, specifying which is the outer side.
- When not specified, the hole for the door knob is always made above the lock.
- The peephole is always 148 cm high, or lower in case of an obstruction.



GROUPING LIST:

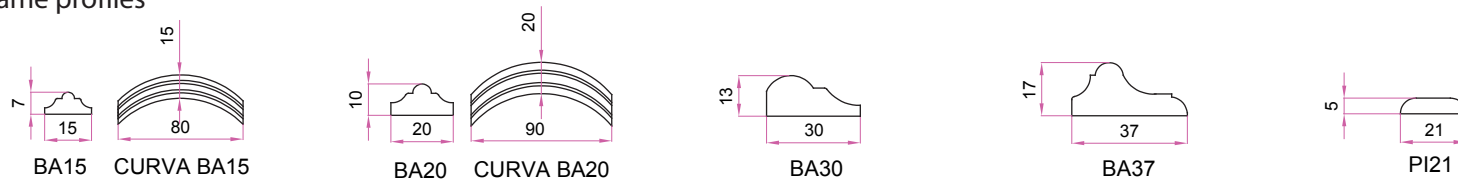
- Special coverings *superimposed frames*
- Special coverings *frames with relief surfaces*
- Special coverings *various profiles*
- Special coverings *Pine or Douglas, commercial decoration*
- Special coverings *Laminated "Abet"*
- Special coverings *Remaining doors*

Special Coverings

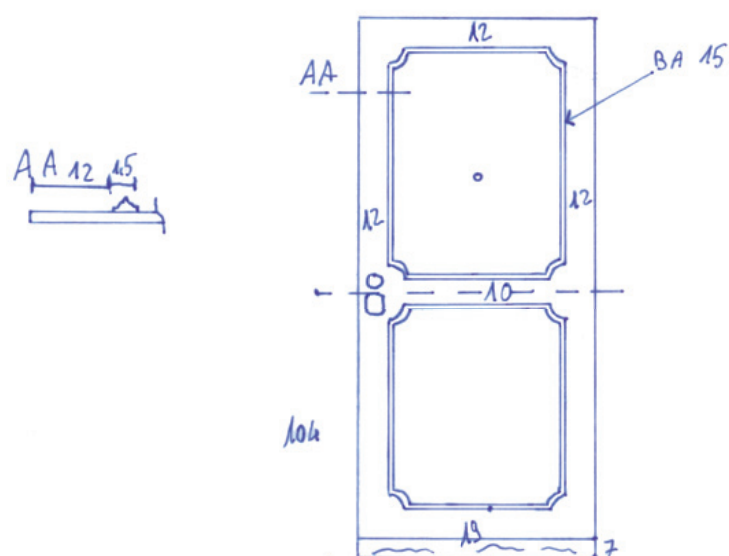
SUPERIMPOSED FRAMES



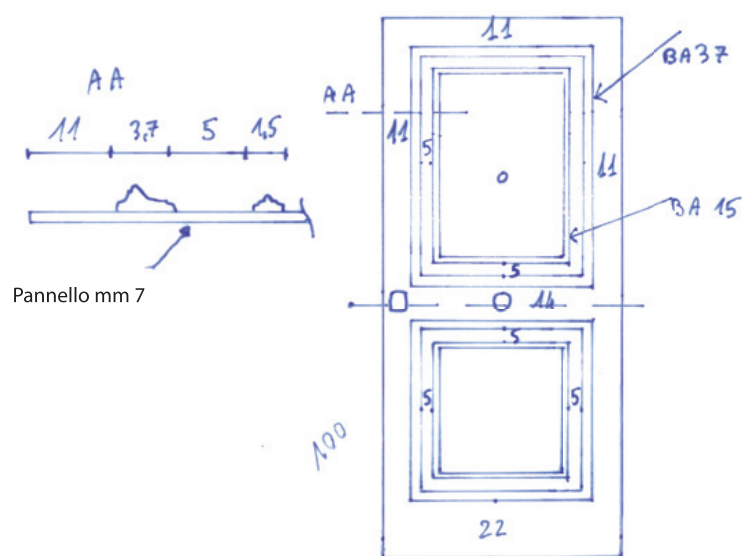
Frame profiles



Some sample designs for reproducing panels



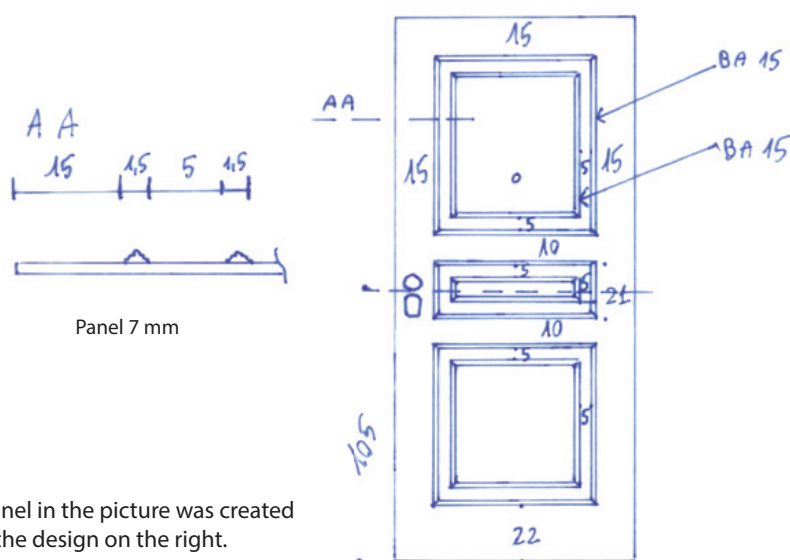
BA15 frame with curve



Double frame BA15 BA37



BA15 Frame Ral 6005

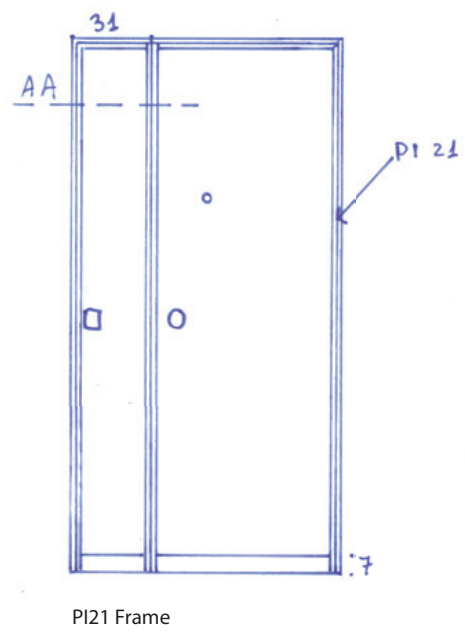
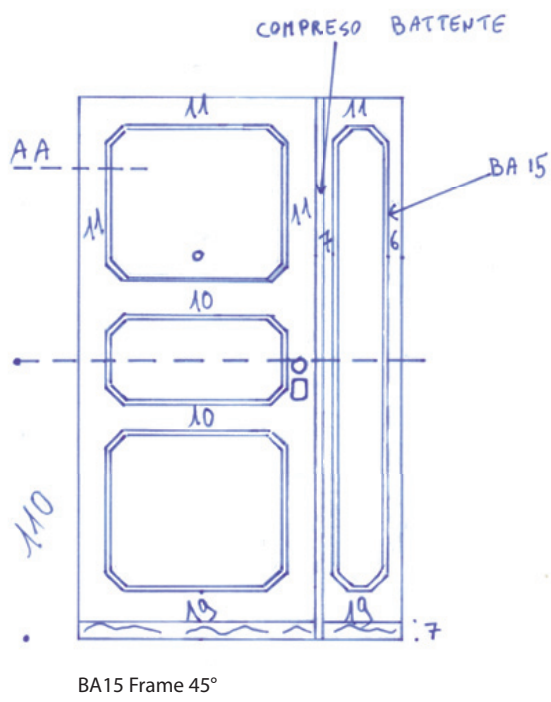
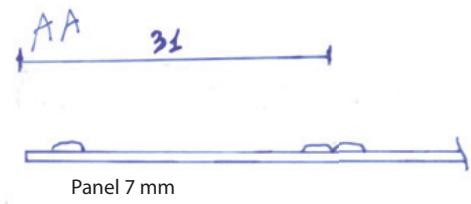
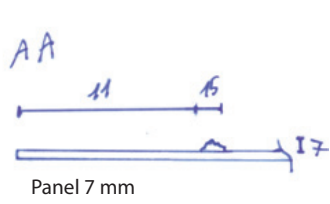


BA15 Frame

The panel in the picture was created using the design on the right.

NOTES: We can utilize frames with different profiles after a feasibility check.
The wood types and frame color are matched to the base panel if not otherwise specified.

SUPERIMPOSED FRAMES



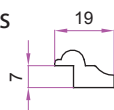
Processing of frame panel with relief surface.

Special Coverings

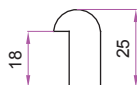
FRAMES WITH RELIEF SURFACES



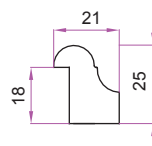
Frame profiles



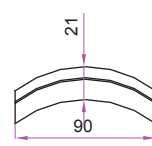
BA19 B7



TON25 B18

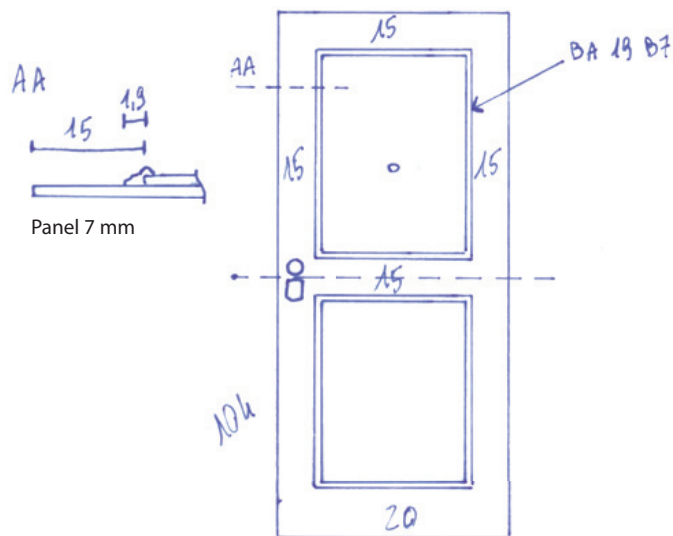


BA25 B18

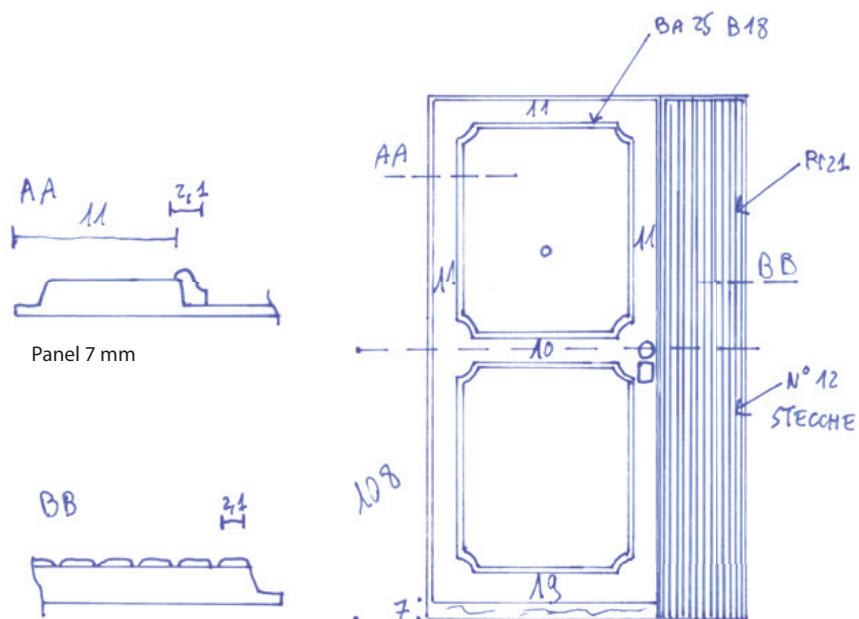


CURVA BA25 B18

Some sample designs for reproducing panels



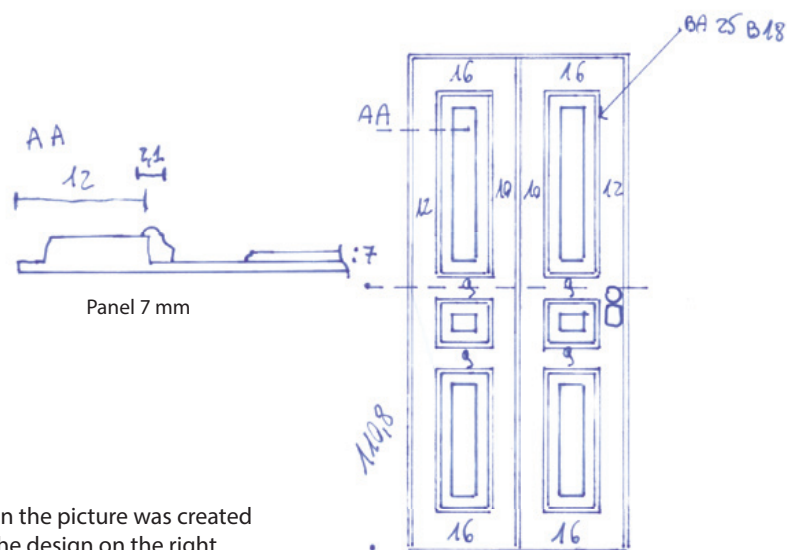
BA19 B7 Frame with relief panel



FRAME BA25 B18 depressed panel, small leaf decorated



Frame BA25 B18 with depressed panel and with double level relief surface, medium walnut stain



Frame BA25 B18 with depressed panel and with double level relief surface

The panel in the picture was created based on the design on the right

NOTES: We can utilize frames with different profiles after a feasibility check..
The wood types and frame color are matched to the base panel if not otherwise specified.

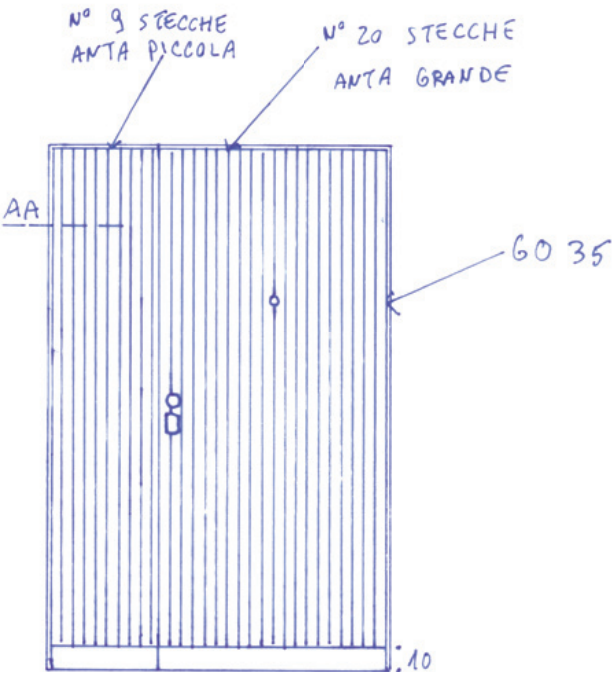
VARIOUS PROFILES

"Hump" cut profiles



GO35

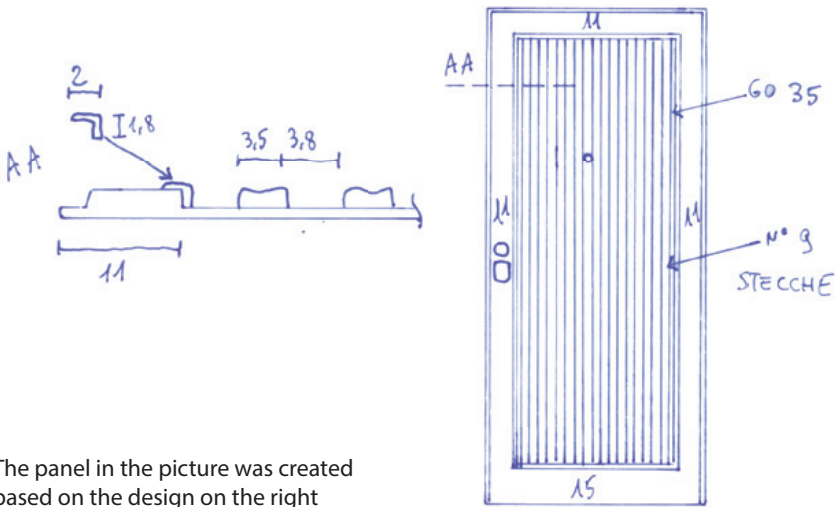
Some sample designs for reproducing panels



Profile GO35



FRAME WITH RELIEF SURFACE
angle 18 PROFILES GO35
Natural Tanganyika



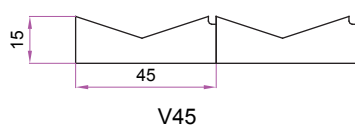
The panel in the picture was created
based on the design on the right

FRAME WITH RELIEF angle 18
PROFILES GO35

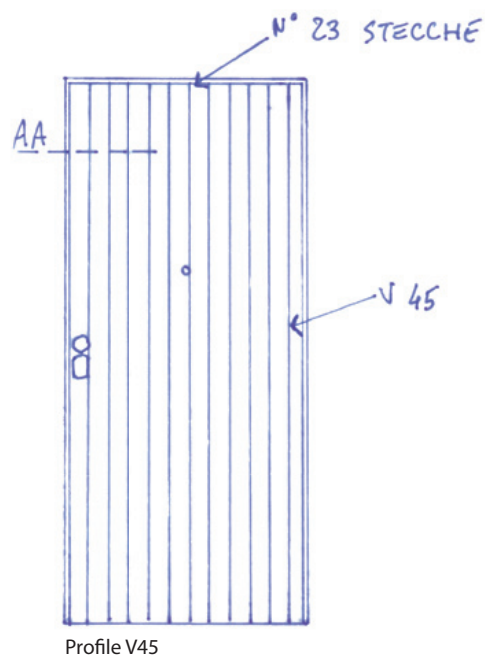
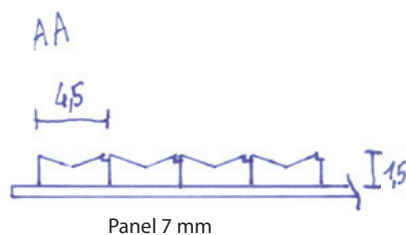
Special Coverings

VARIOUS PROFILES

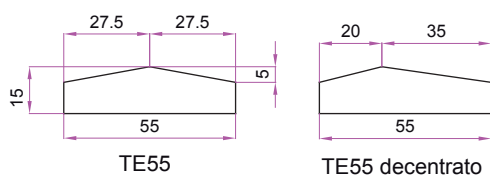
"V" cut profile



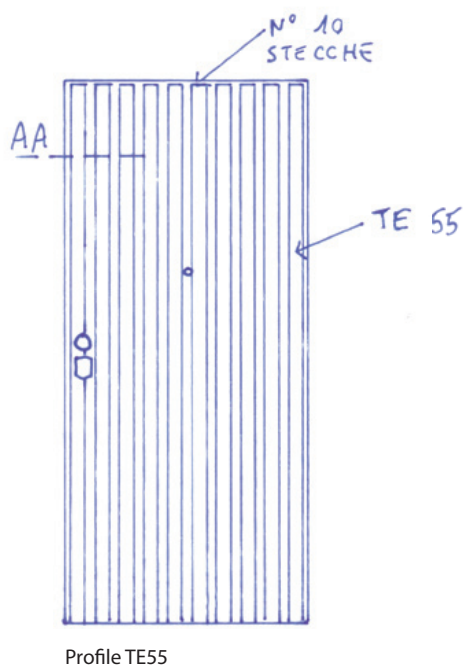
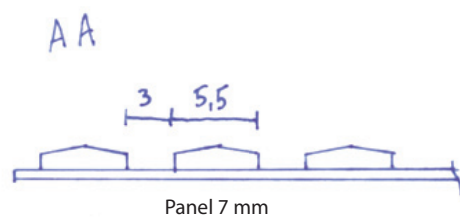
Design sample for reproducing the panels



"Roof" cut profile



Design sample for reproducing the panels



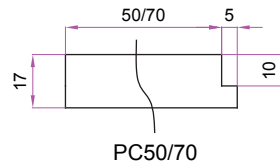
"Standard decoration" cut profile



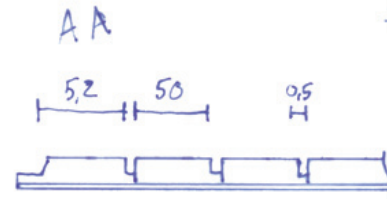
Design sample for reproducing the panels



Profilo PC 50/70 Pino naturale

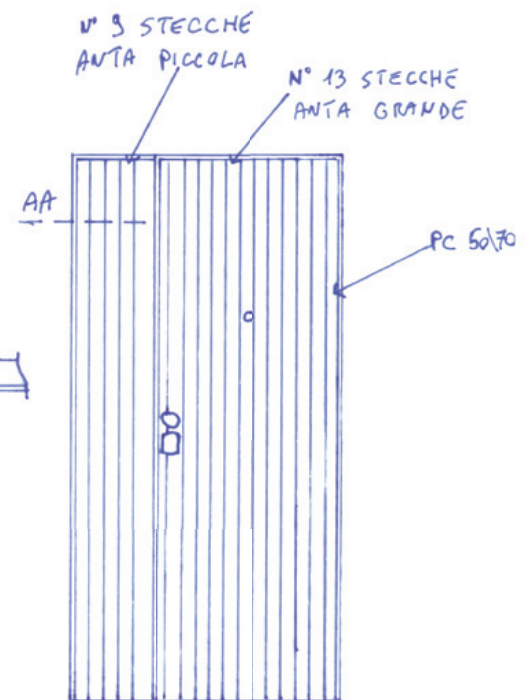


PC50/70



Support panel MDF 3 mm

The panel in the picture was created based on the design on the right

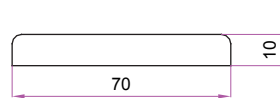


Profilo PC50/70

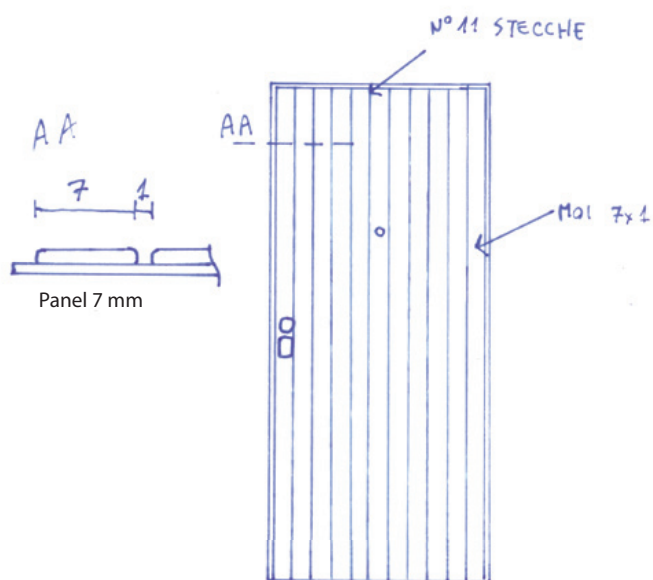
Profile shows "7x1" veneer



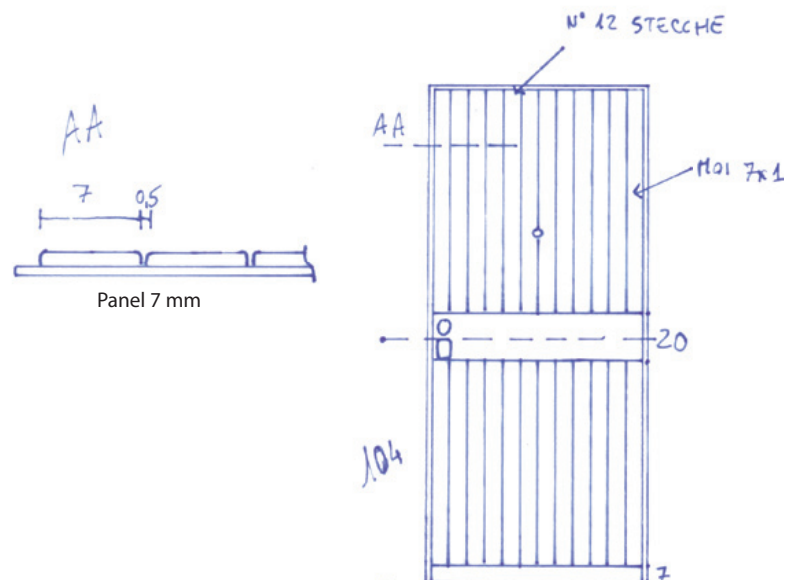
Design sample for reproducing the panels



MOI 7x1



Profilo MOI 7X1

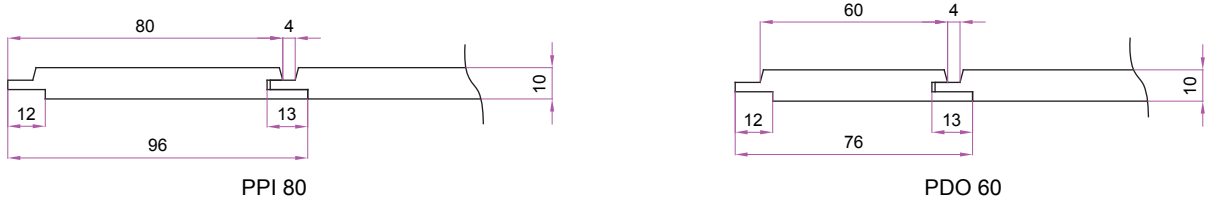


Profilo MOI 7X1 with buffer zone

Special Coverings

COMMERCIAL DECORATION "PINE" or "DOUGLAS"

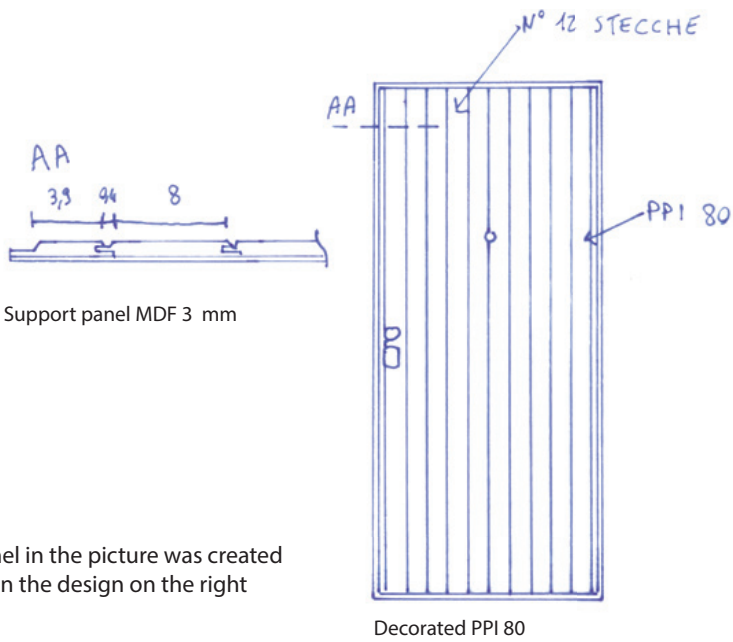
Decorated profiles



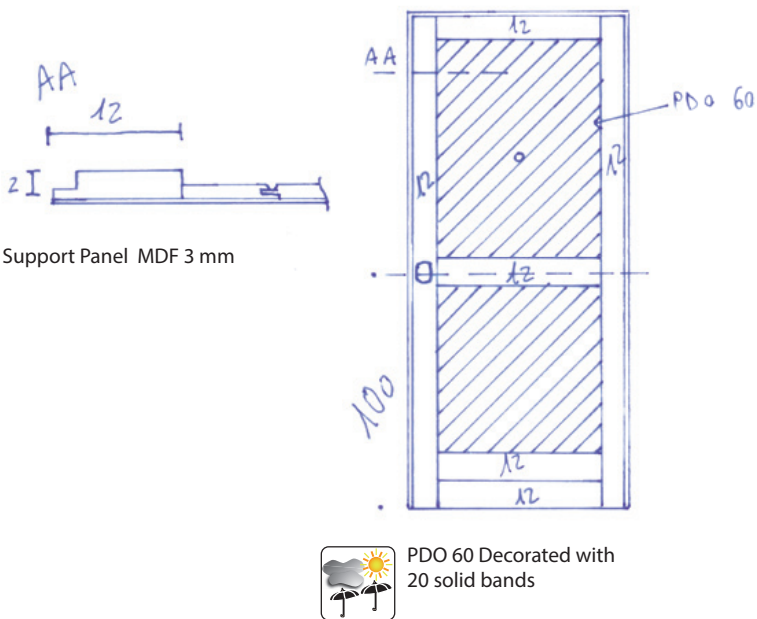
Design sample for reproducing the panels



Decorate PPI 80
Natural pine



The panel in the picture was created based on the design on the right



PDO 60 Decorated with
20 solid bands

NOTES: We can create different geometric designs after a feasibility check.
Stains: natural, light walnut stain, medium walnut stain, dark walnut stain.

"ABET" LAMINATED

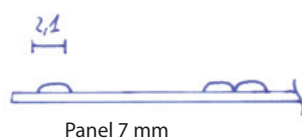
Color samples www.abet_laminati.it



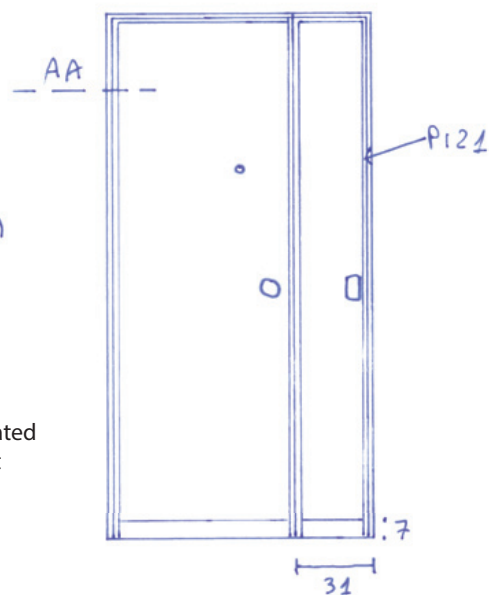
Design sample for reproducing the panels



Laminated "ABET" double color



The panel in the picture was created based on the design on the right



"ABET" laminated, double color, bordered with mahogany frame PI 21

Special Coverings

DOOR RESTORATION



Before the restoration.



Unvarnishing by flame.



Special recleaning.



Corner restoration.



After the restoration and cleaning with various layers of varnish, the door has returned to its original state of splendor. A very beautiful late 19th century door in National Walnut. Originally it was a symmetrical double leaf door 110x215.55 right leaf, it was transformed into a panel for an armored door with right leaf 100x210. The material was cut on the right side and in the center, in order to leave a band on the left side of 10,5 cm sufficient for holding the lock in place.

It is better to perform the restoration on an existing door of higher quality in order to transform the panel covering of an armored door.



From a door of an ancient very deteriorated mill it has been converted into a panel for armored door 90x210 cm.

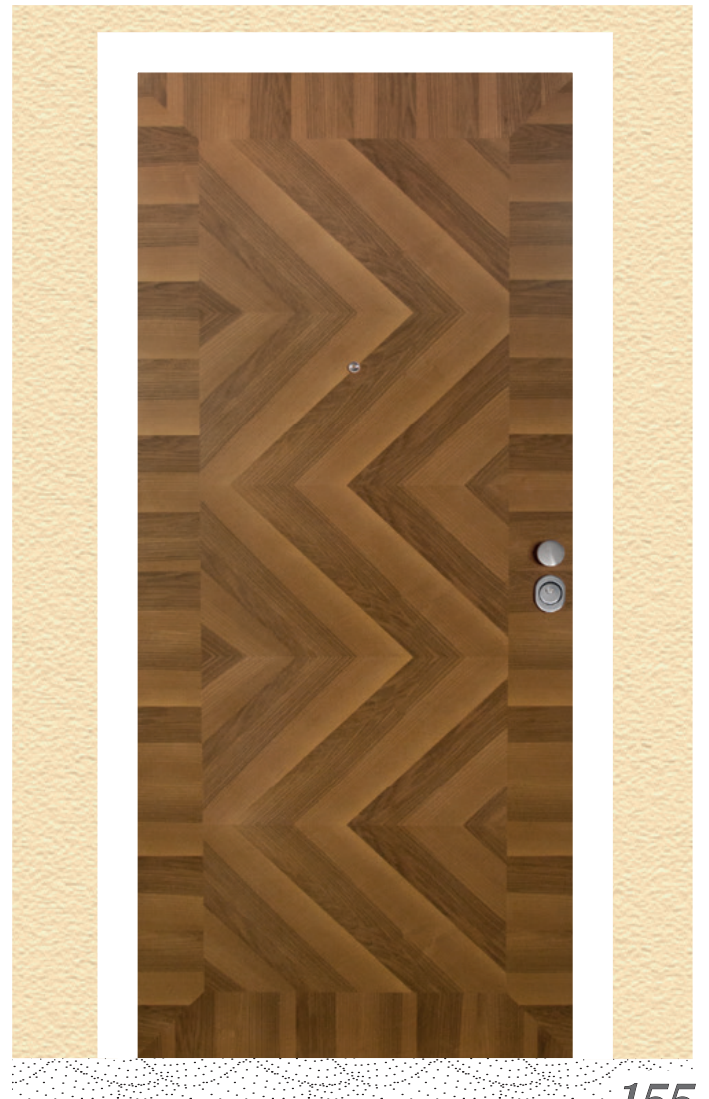
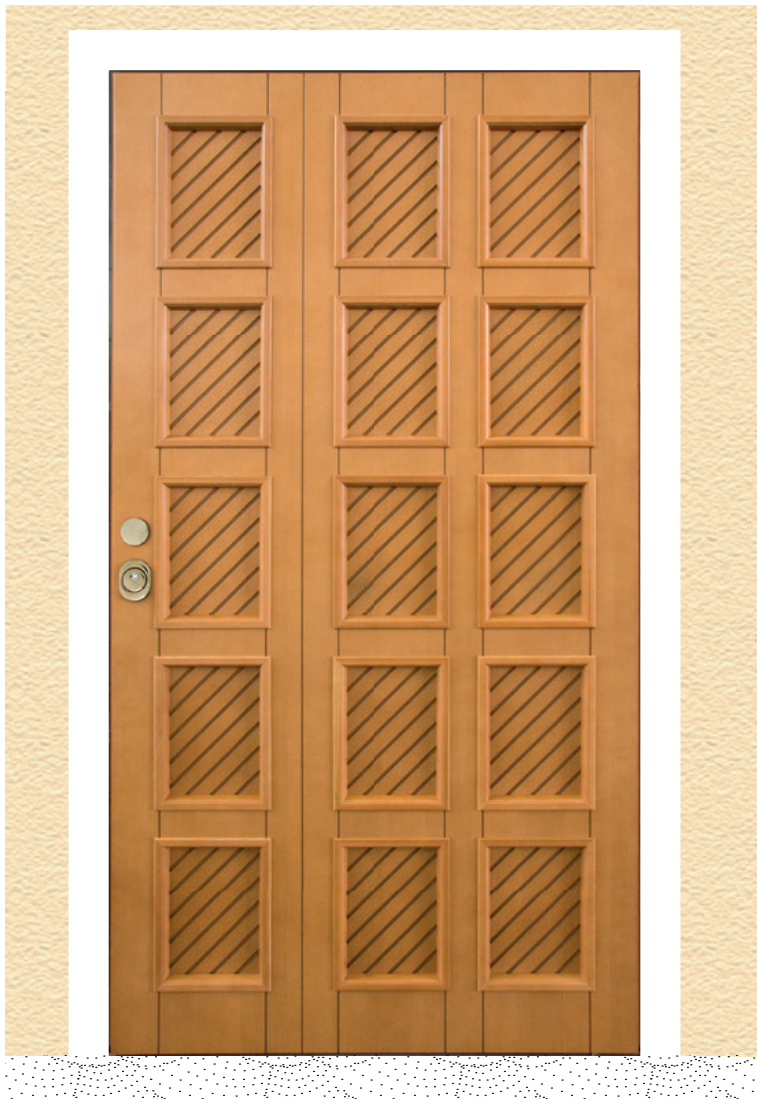


"Recostruction project arch Lorenzo Fosco"

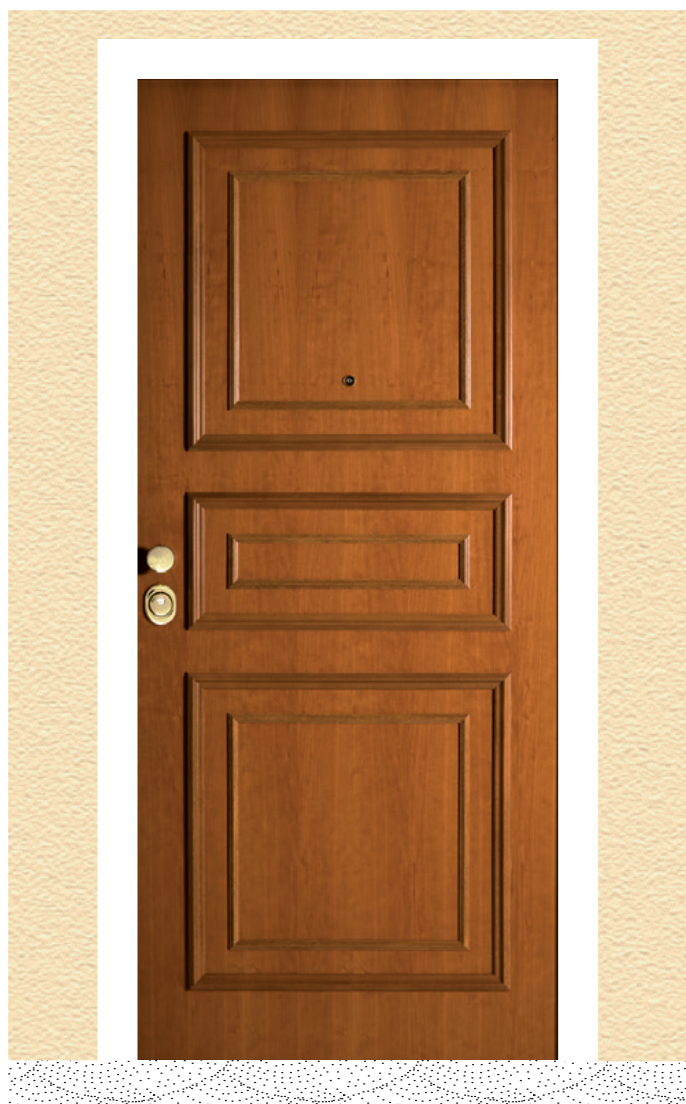
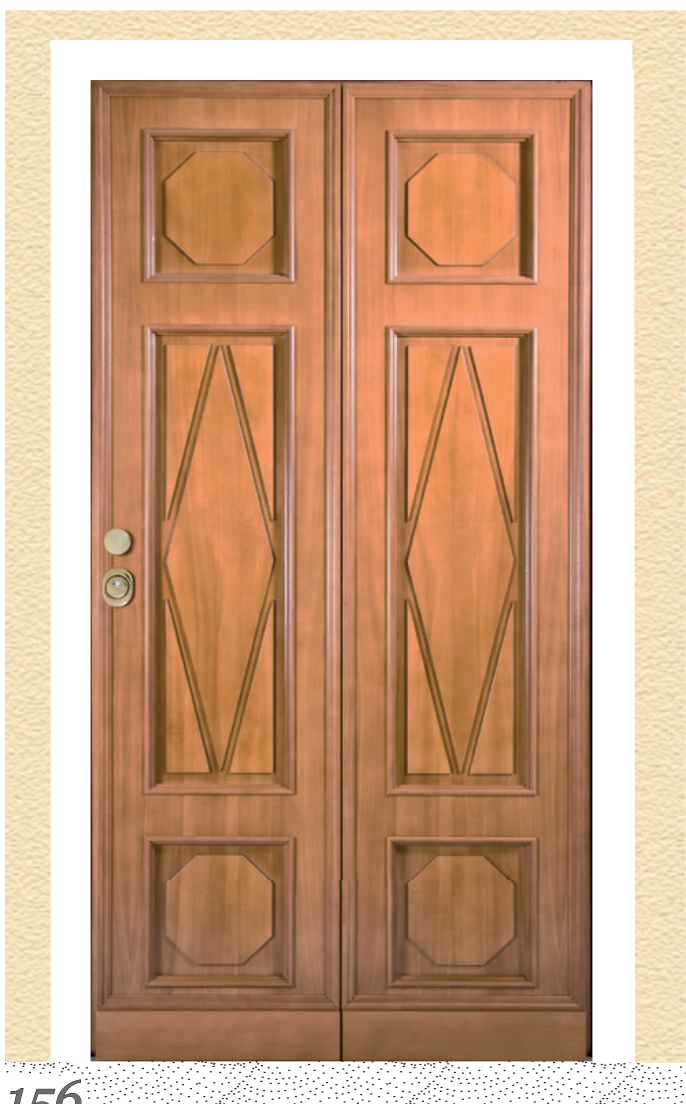
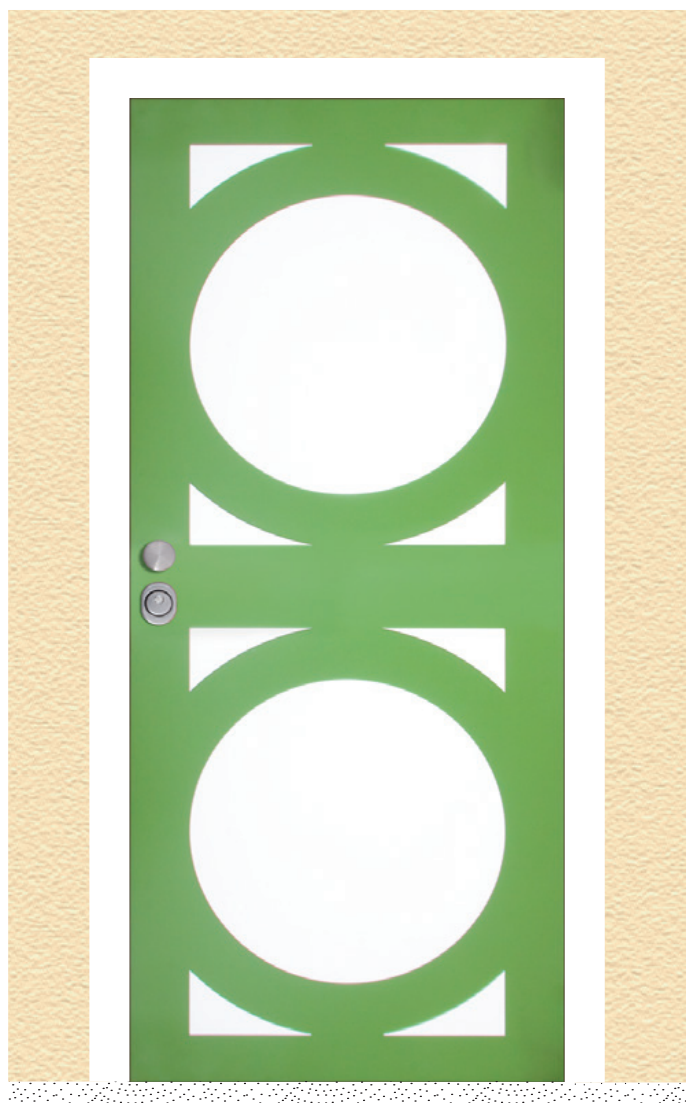
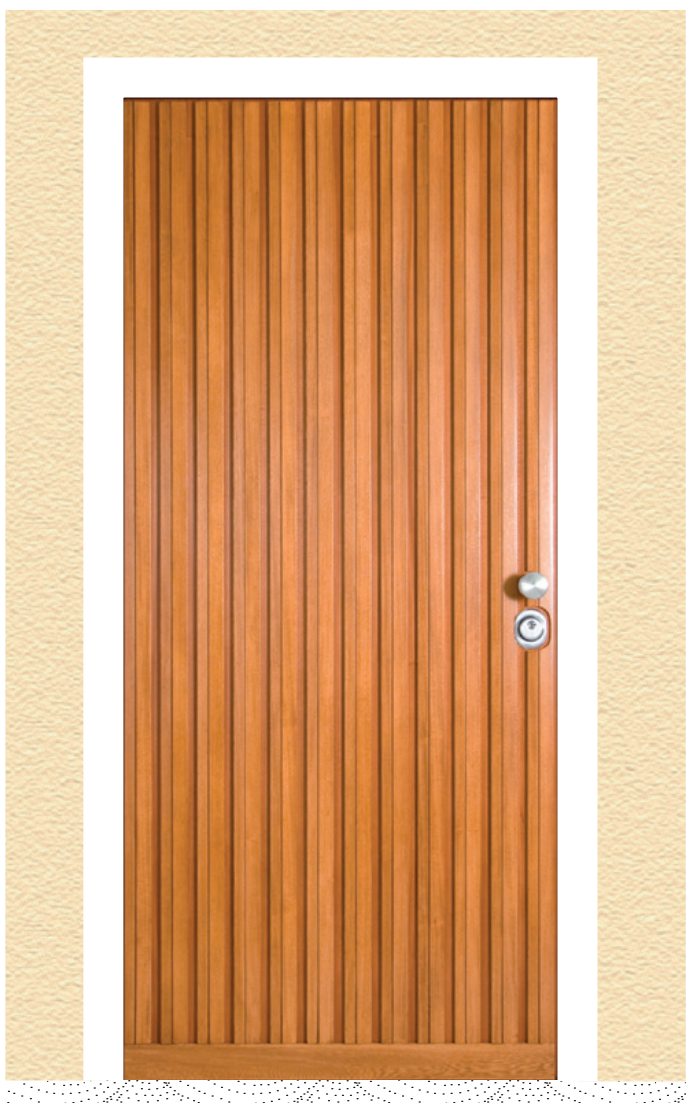
Special Coverings

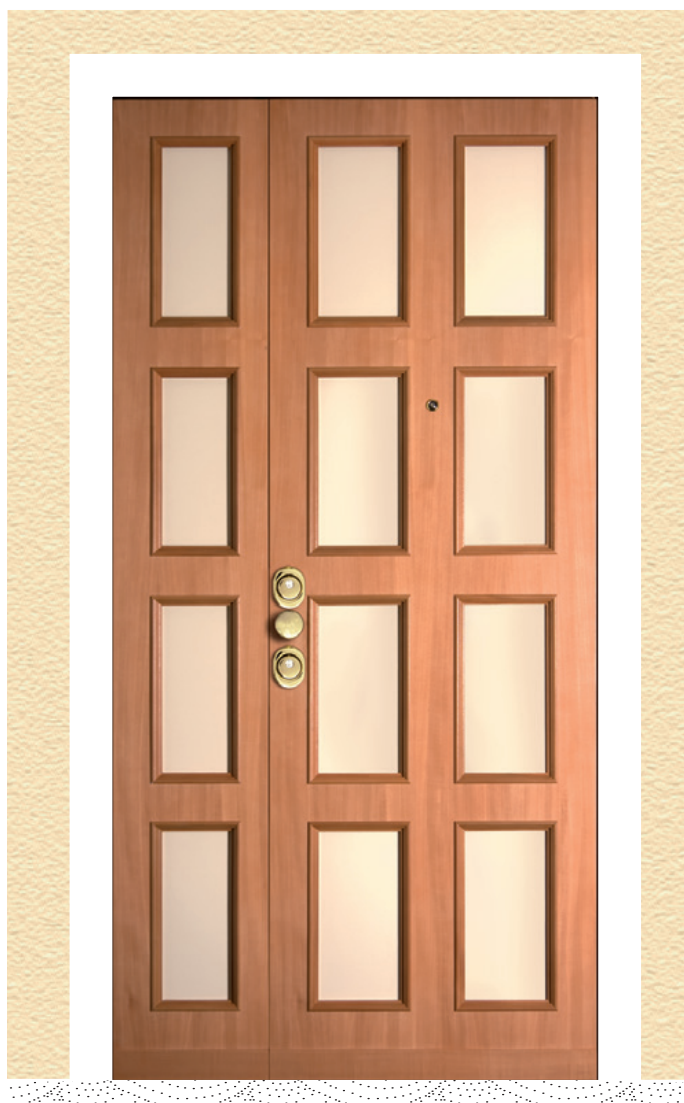
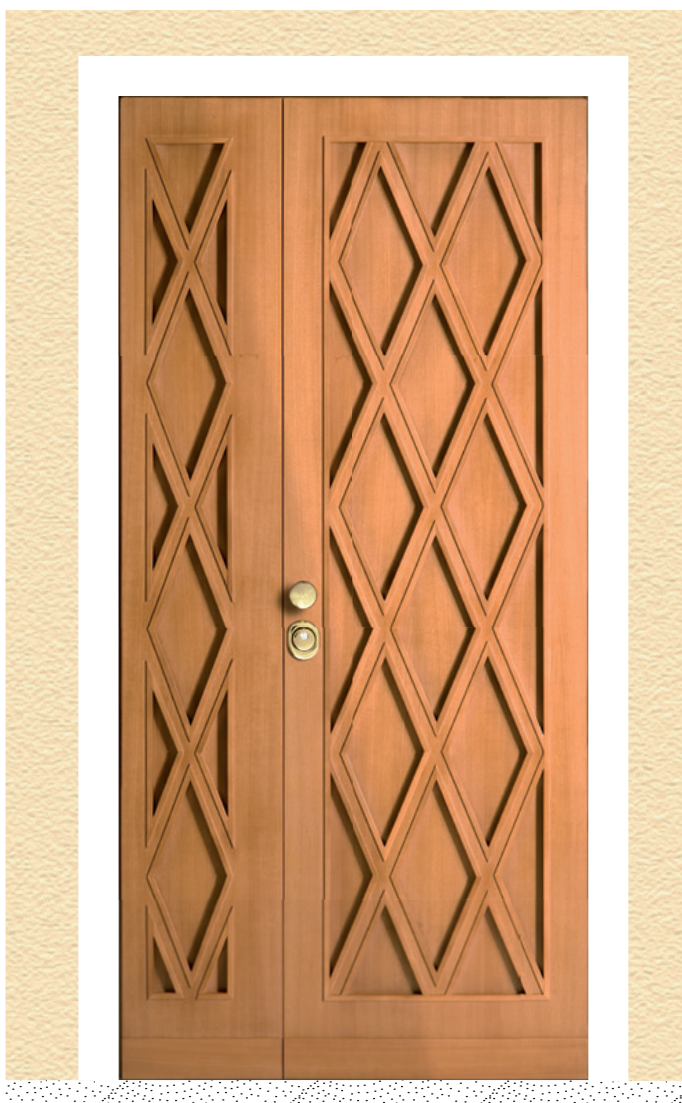
SOME CUSTOM ARMORED DOORS





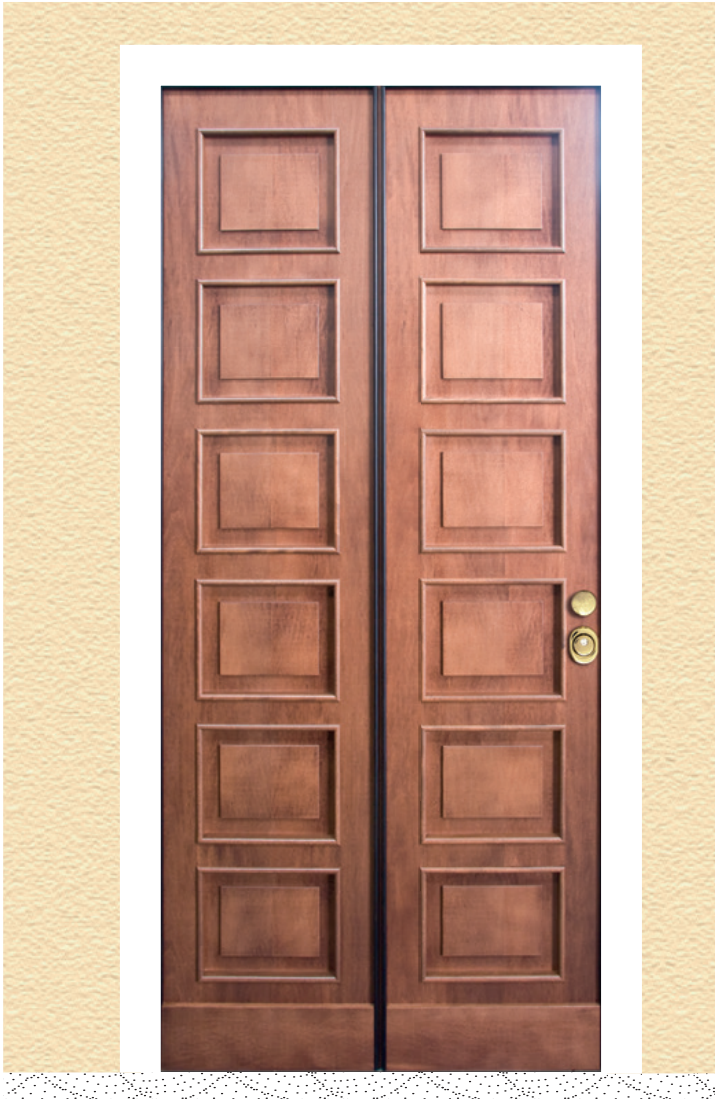
Special Coverings





Special Coverings



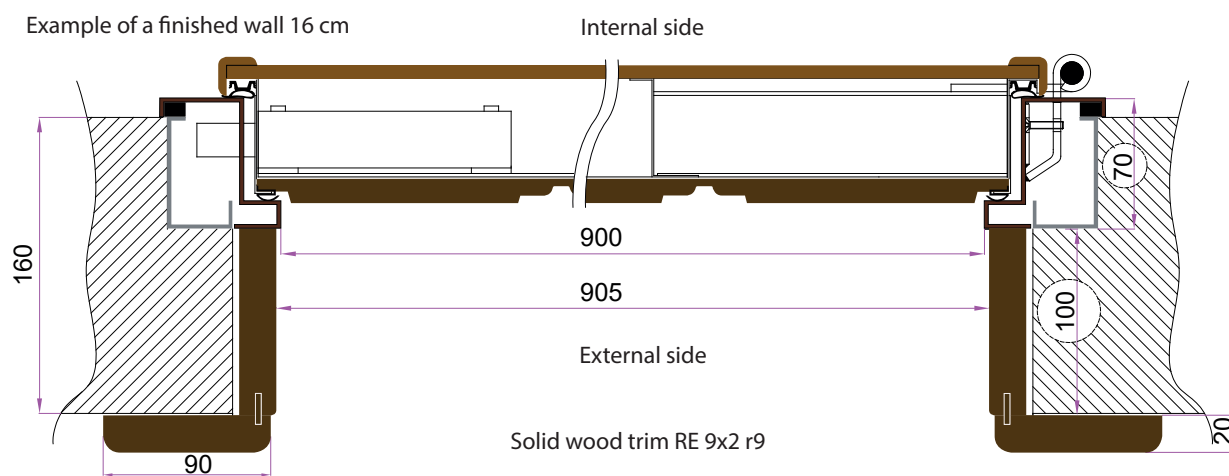


Finishes

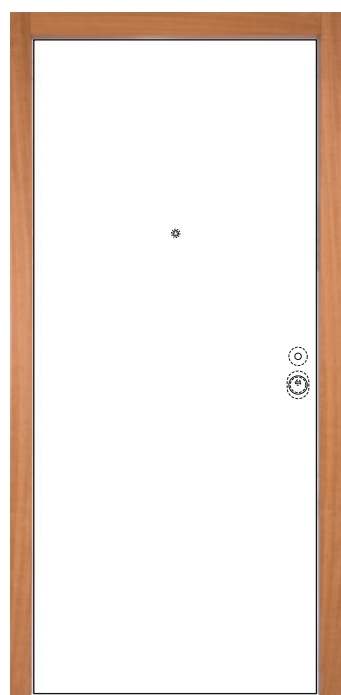
The thickness of an armored door is 7 cm, the thickness of a wall is greater, the part that is unoccupied can be finished in four ways:

- Plaster finish
- Brick finish
- Stone portal finish
- Wood trim finish

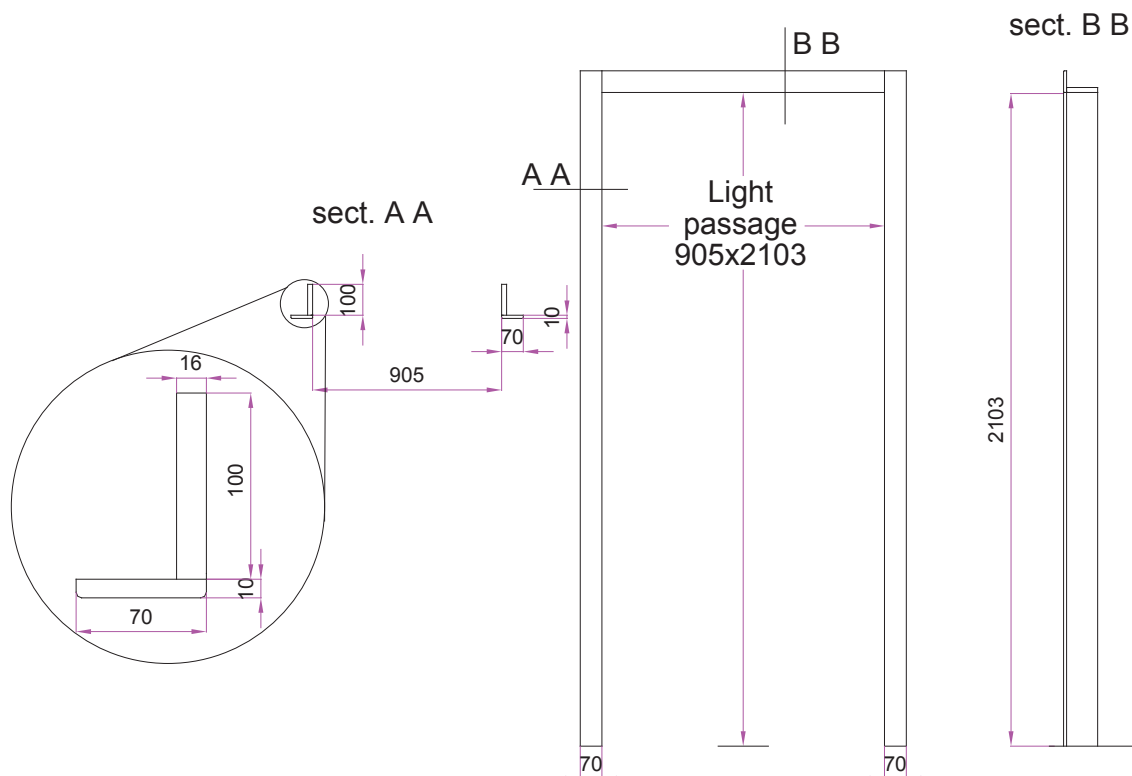
WOOD TRIM



Wood trim 7x1 veneered



Wood trim 7x1 veneered Natural Tanganyika



Wood trim 7x1 veneered

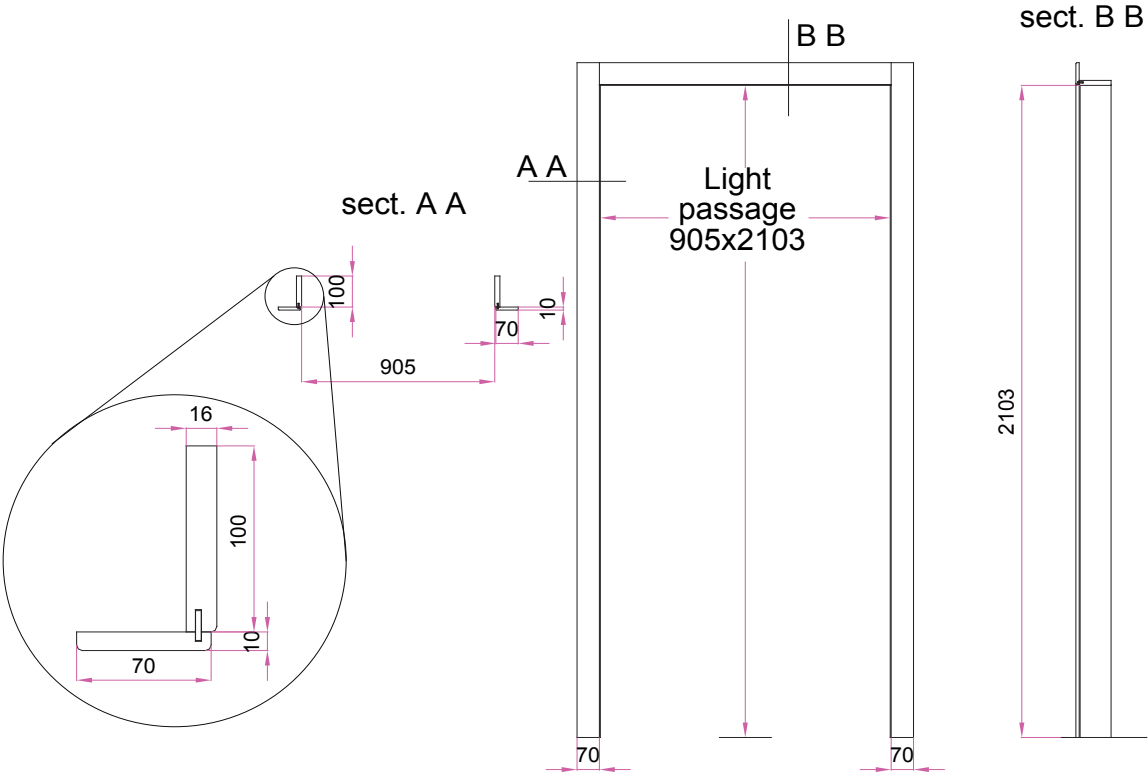
NOTES: The designs refer to external door frame for armored door net light 90x210 cm.
We can create door frames and different pairs after a feasibility check.

The wood type and color of the **wood trim** are matched to the colors of the door panels, unless otherwise indicated.

Wood trim 7x1 lacquered or solid

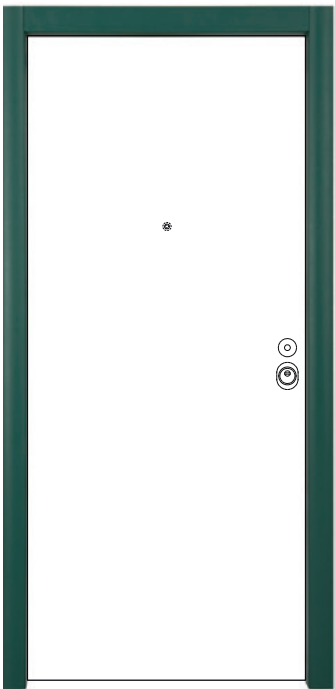


Wood trim 7x1
solid medium walnut stain

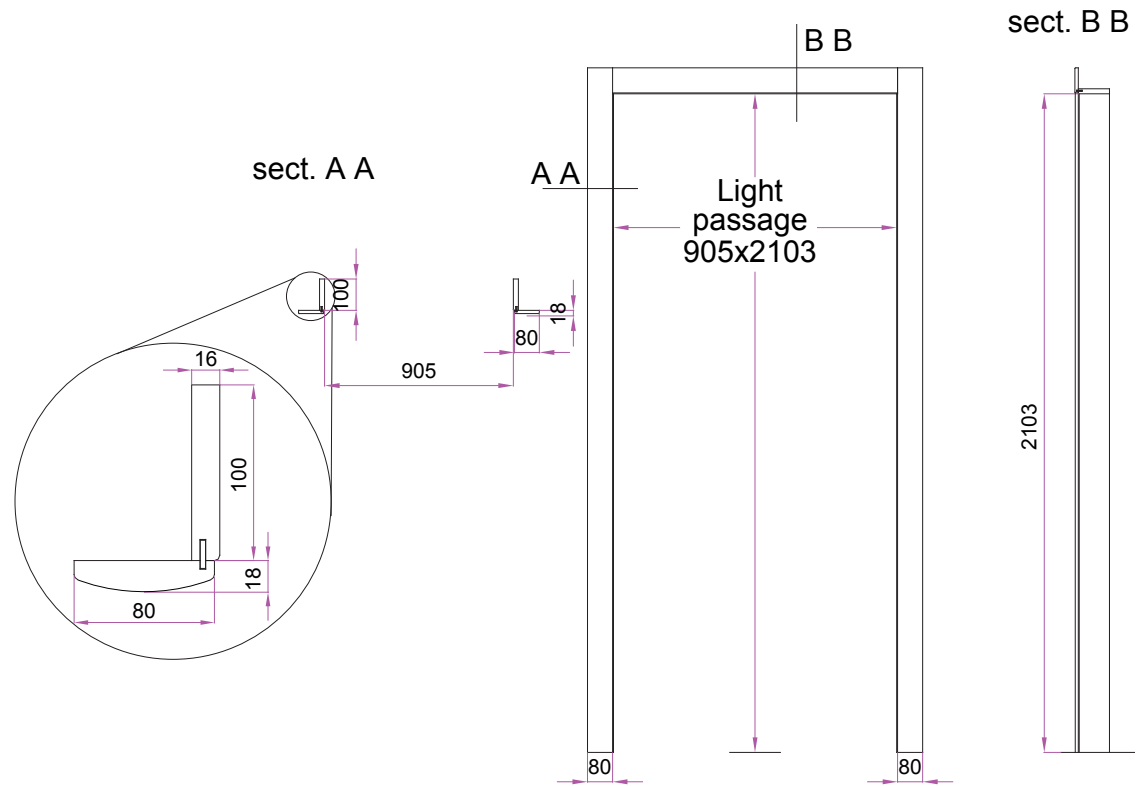


Wood trim 7x1 lacquered or solid

Rounded wood trim 80x18 veneered or lacquered



Rounded wood trim 80x18
lacquered Ral 6005



Rounded wood trim 80x18 veneered or
lacquered

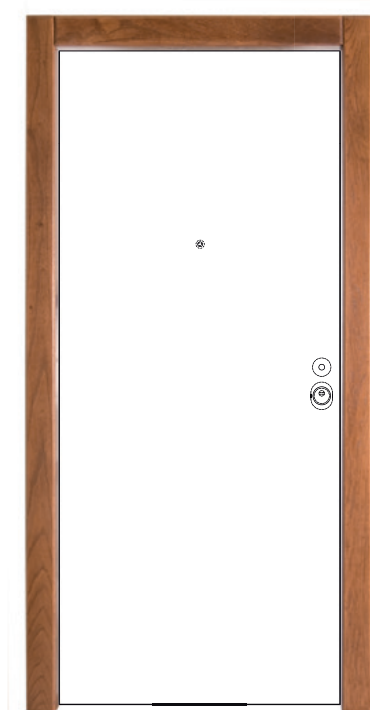
TECHNICAL NOTES

The wood trim is cut:

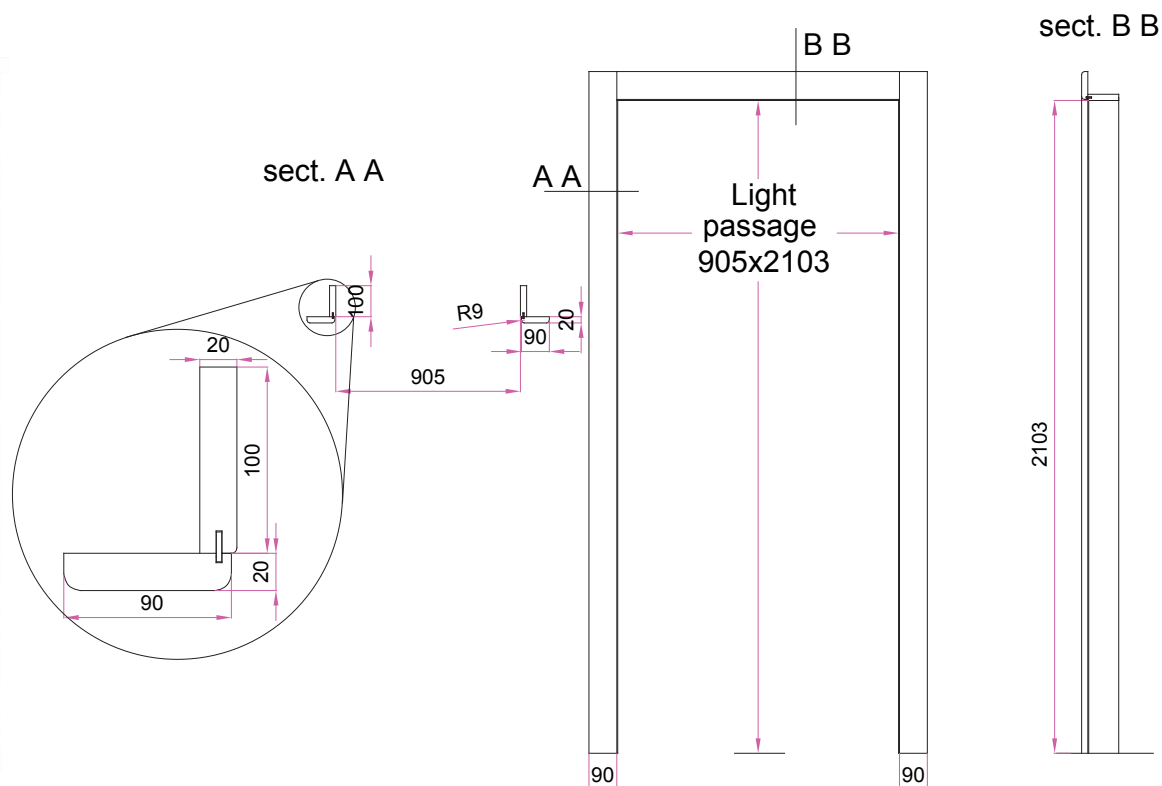
- wider than the door +5 mm net light
- taller than the door +3 mm net light, unless otherwise specified.

Finishes

Wood trim 9x2 r9 lacquered or solid



Wood trim 9x2 r9 solid oAK dye medium walnut



Wood trim 9x2 r9 lacquered or solid

DETAILED CORNER



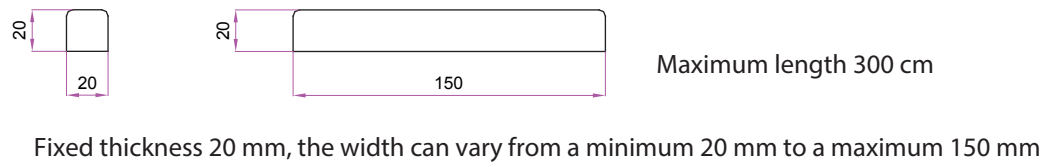
Wood trim 9x2 r9 solid Oak natural

NOTES: The designs refer to external door frame for armored door net light 90x210 cm.

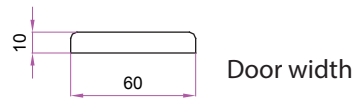
We can create door frames and different pairs after a feasibility check.

The wood type and color of the door frame are matched to the colors of the door panels, unless otherwise indicated.

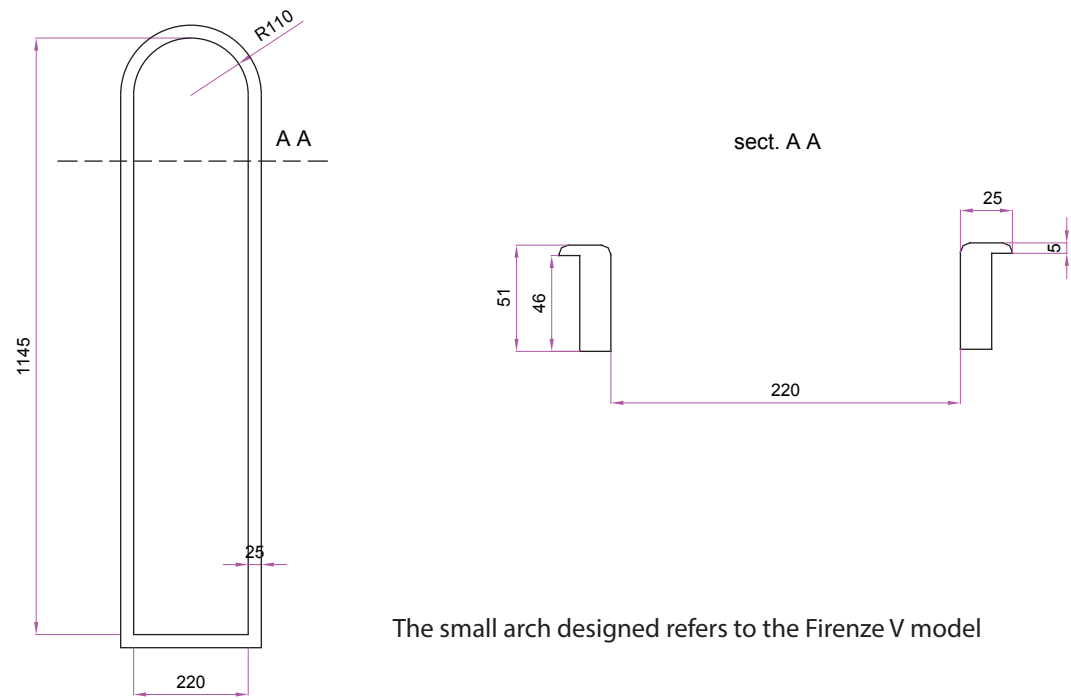
SOLID STRIP



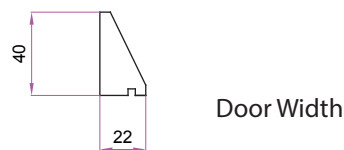
THROUGH THE SKYLIGHT



SMALL ARCH FOR WINDOWED DOOR internal panel finish



DRIPSTONE



LOCKS

The lock is the heart of an armored door. It is composed of a mechanical part that is the same for all and it is also composed of a european profile security cylinder, every cylinder is unique.



EUROPEAN LOCK 28/63 gear
No. 4 018 + latch bolts (standard on
Dolmen, Dolmen CS, *cs Boiserie* and CS FILO MURO)



Special defender with a anti-strip steel
(standard on Dolmen, Dolmen CS, *cs Boiserie* and CS FILO MURO)



EUROPEAN LOCK 28/63 gear with LOCK SERVI-
CE, controls the two upper bolts and the latch,
blocks the main lock.

Our requirements for european locks utilize the En 12209:2003 norm

	Classification grades	Classification
Category use	1/2/3	1 (residential doors)*
Duration	A-X	5 (200.000 cycles)**
Door mass	1-9	7 (up to 100 kg)
Fire resistance	0/1	0 (not adapted)
Corrosion and temperature resistance	0/A-G	A (low)***
Resistance grade	1-7	5 (high, with puncture resistance)

N.B. our locks are always anchored with a protective plate, the cylinder is locked with a screw clamp system (see page 251).

NOTES: * Home and civil use, means that the object is easy to use.

** Duration 200.000 cycles, means that 200.000 cycles of opening and closing were performed.

*** Corrosion resistance, the placement is very important. Based on our experience we can give the following time references:
10 years if placed in a condominium; if placed in front of the ocean traces of oxidation appear after 6 months.

ALTERNATIVE LOCKS



EUROPEAN LOCK  article 85-371/28 hose
n°4 Ø18 + latch bolts

EUROPEAN LOCK  article 84-371/28 gear
n°4 Ø18 + latch bolts



Automatic *

is a top-tier product, its main feature is a mechanical closure of all the locks each time the door is closed; the locking is silent. The automatic locking function can be turned off via the patented command.

VERY HIGH SECURITY  article 87 430 complete with defectors
EUROPEAN LOCK

STANDARD EQUIPMENT:
(residential use)

Q8 internal expansion, fixed external knob.
- Automatic mode on, normal function.
- Automatic mode off, open from the inside with the handle and from outside with the key.

OFFICE EQUIPMENT:
(office)

Internal and external expansion and Q8 handle.
- Automatic mode on, normal function.
- Automatic mode off, open from the inside with the latch and open from the outside with the handle.

LEGEND

- ① Patented Latch 18x24 mm.
- ② Latch plus 15x25 mm.
- ③ Patented Command to activate and deactivate the automatic latches during closing.
- ④ Adjustable mechanism which drives the automatic closing..

NOTE: * With automatic lock, minimum height cm 196.

Closures

MOTORIZED ELECTRONIC LOCKING **ISEO**

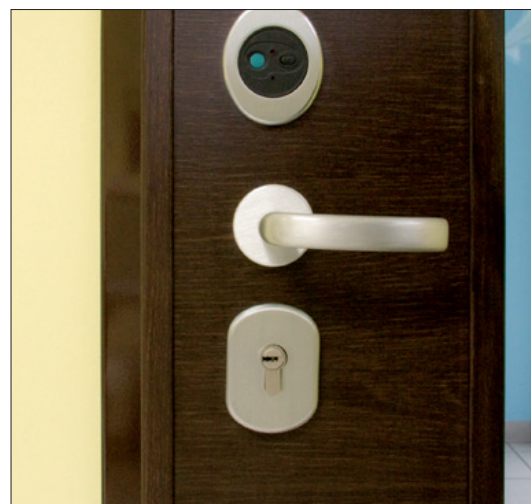
The future of the armored door lies surely with electronic lock, also because goes along well with the modern concept of home automation.



MOTORIZED LOCK Iseo x1R easy, with the possibility of remote opening (photo opening from the desk).



MOTORIZED LOCK Iseo x1R easy. Numeric keypad with integrated tag. Exterior view.



MOTORIZED LOCK Iseo x1R easy. Programmable, and open button. Interior view.



FINGERPRINT READER **ekey** Bluetooth compatible with all 5 network powered solutions. It is a superior product.

Activation and deletion of users occurs via App (1 master 99 users).

The door opens:

- passing your finger on the fingerprint reader;
- smartphone with a touch after entering the code.

166

NOTE: "e-Key" reader and "Opera" door opener can only be fitted with mains power.



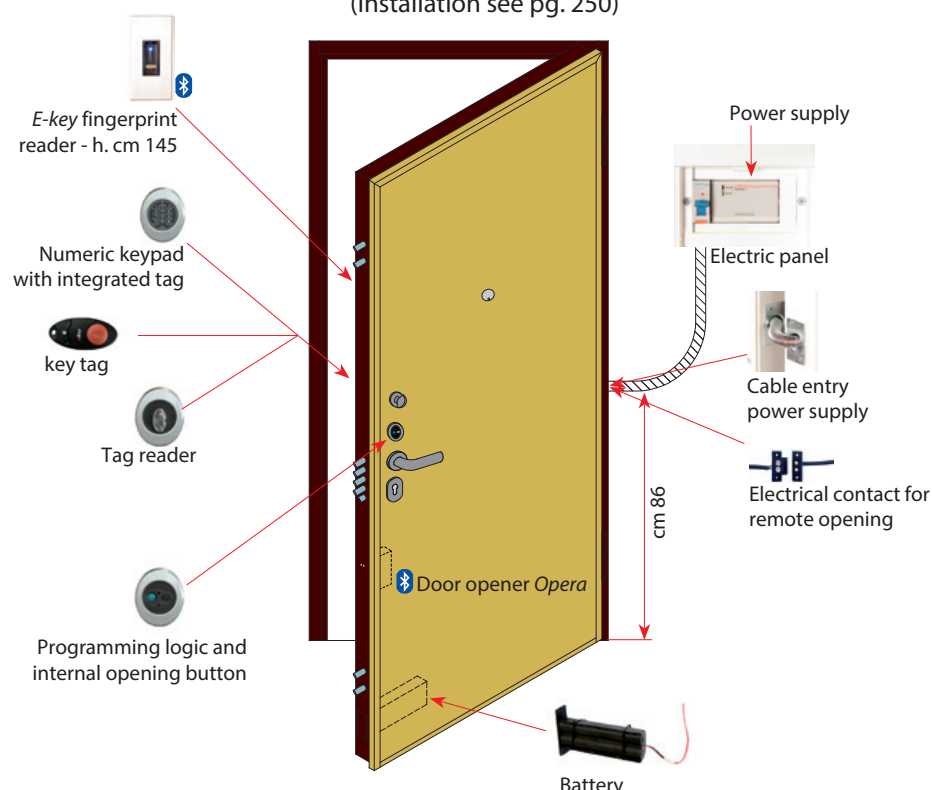
DOOR OPENER **TT OPERA** Bluetooth can be combined with all 5 network-powered solutions. Activation and deletion of users occurs via App (1 master, 196 users).

The door opens:

- smartphones with a touch;
- hands free function, proximity opening (adjustable distance from 1 to 10 meters).

The results are great with Apple devices (iPhone), very variable with Android devices.

EXPLANATORY SCHEME (installation see pg. 250)



TECHNICAL FEATURES:

- Motorized driving of the latch and deadbolts;
- Automatic locking with closing of the door;
- Emergency opening with mechanical key;
- Nickel-plated steel deadbolts No. 4 (distance 28 mm);
- made of steel.

POWER SUPPLY

Equipment battery pack:

- Battery holder;
- Alkaline Batteries 1.5V Ni-Cd type D (torch) No. 6; (duration about 18 months, residential house).

Equipement electrical grid:

- Pass spring cable;
- Power supply 220 Vac / 12 Vdc 4.5A DIN connector 4 modules.

Useful information:

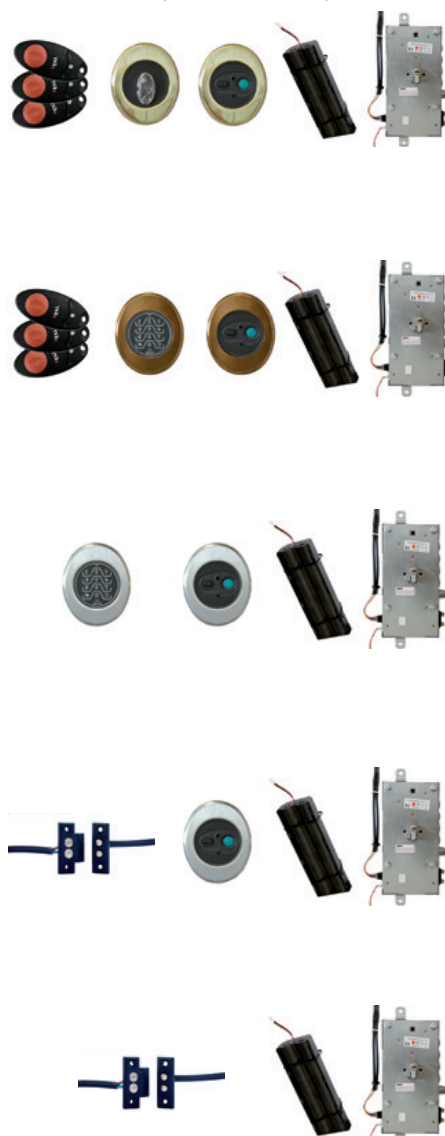
power supply with battery pack is advantageous in a home-built installation.

The power supply from the mains, you must bring a corrugated drain near the door.

Electricity makes possible the installation of new Bluetooth systems and the passage of the remote cable of all solutions.

MOUNTING solutions:

Power supply with battery pack



Solution 1

Push button	INSIDE	Push button
Mechanical key		Mechanical key
Key tag opening	OUTSIDE	Remote button
Mechanical key		Key tag opening
		Mechanical key
		Intercom

Solution 2

Push button	INSIDE	Push button
Mechanical key		Mechanical key
Key tag opening	OUTSIDE	Remote button
Code opening		Key tag opening
Mechanical key		Code opening
		Mechanical key
		Intercom

Soluzione 3

Push button	INSIDE	Push button
Mechanical key		Mechanical key
Code opening	OUTSIDE	Remote button
Mechanical key		Code opening
		Mechanical key
		Intercom

Soluzione 4

Push button	INSIDE	Push button
Mechanical key		Mechanical key
Remote button	OUTSIDE	Remote button
Mechanical key		Mechanical key
Intercom		Intercom

Soluzione 5*

Mechanical key	INSIDE	Mechanical key
Remote button		Remote button
Mechanical key	OUTSIDE	Mechanical key
Intercom		Intercom

Solution 1

Push button	INSIDE	Push button
Mechanical key		Mechanical key
Remote button	OUTSIDE	Remote button
Key tag opening		Key tag opening
Mechanical key		Mechanical key
Intercom		Intercom

Solution 2

Push button	INSIDE	Push button
Mechanical key		Mechanical key
Remote button	OUTSIDE	Remote button
Key tag opening		Key tag opening
Code opening		Code opening
Mechanical key		Mechanical key
Intercom		Intercom

Soluzione 3

Push button	INSIDE	Push button
Mechanical key		Mechanical key
Remote button	OUTSIDE	Remote button
Code opening		Code opening
Mechanical key		Mechanical key
Intercom		Intercom

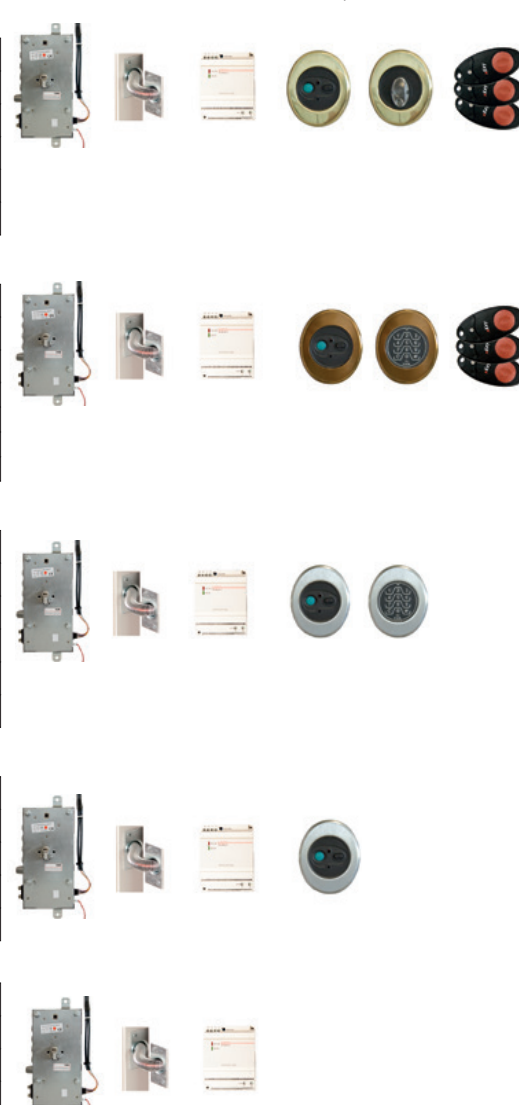
Soluzione 4

Push button	INSIDE	Push button
Mechanical key		Mechanical key
Remote button	OUTSIDE	Remote button
Mechanical key		Mechanical key
Intercom		Intercom

Soluzione 5*

Mechanical key	INSIDE	Mechanical key
Remote button		Remote button
Mechanical key	OUTSIDE	Mechanical key
Intercom		Intercom

Electric power supply



NOTE: * The purchase of a key cylinder is recommended or placing an open button near the door.

DEFENDER WITH COVER CIPIERRE

Defender with cover, are guaranteed against oxidation and are of the same color as the handle.



Polished brass
GCTOL



Bronzed Aluminum
F4



Satin chrome
GCTCS

Patented feature.
The aluminum cover is also on retainer.



ENTRANCE KEY DEFENDER WITH PROTECTION



The DISEC defender with key protection is a top-tier product. It serves to better protect against theft, vandalism, and can also act as a service lock if there are any keys given to other people which cannot be inserted. Attention: the counter-clockwise rotation (closing) is free so it is necessary always have a key card out of the house.

Technical Specifications: Diameter 50 mm - Thickness 25 mm - Wheelbase anchor 38.



Defender in position for key
access.



Defender in position for
blocking key access.



Magnetic key customized
for each defender.

CYLINDER



EUROPEAN SECURITY CYLINDER ISEO R6 + construction key.



EUROPEAN SECURITY CYLINDER ISEO R6 with inner knob + construction key.



EUROPEAN SECURITY CYLINDER CISA ASTRAL Tekno with inner knob + card for key duplication. Anti bumping.



VERY HIGH SECURITY EUROPEAN CYLINDER DOM ix 6 SR + construction key + card for key duplication. Anti bumping.

Characteristics of the cylinder compared to the Uni En 1303:2005 norm

	Classification grades	Classification
Category use	1/2/3	1 (residential doors)*
Duration	4/5/6	6 (100.000 cycles)
Fire resistance	0/1	0 (not adapted)
Corrosion and temperature resistance	0/A/B/C	N.D. (not declared)
Key security	1-6	3 (15.000 combinations with 5 pins)
Attack resistance	0/1/2	2 (5-10 minutes of puncture resistance)

Characteristics of the cylinder compared to the Uni En 1303:2005 norm

	Classification grades	Classification
Category use	1/2/3	1 (residential doors)*
Duration	4/5/6	6 (100.000 cycles)
Fire resistance	0/1	1 (adapted)
Corrosion and temperature resistance	0/A/B/C	C (corrosion resistance and resistance at temperatures of -20 +80)
Key security	1-6	6 (100.000 combinations with 6 pins)
Attack resistance	0/1/2	1 (3-5 minutes of puncture resistance)

Characteristics of the cylinder compared to the Uni En 1303:2005 norm

	Classification grades	Classification
Category use	1/2/3	1 (residential doors)*
Duration	4/5/6	6 (100.000 cycles)
Fire resistance	0/1	0 (not adapted)
Corrosion and temperature resistance	0/A/B/C	C (corrosion resistance and resistance at temperatures of -20 +80)
Key security	1-6	6 (100.000 combinations with 6 pins)
Attack resistance	0/1/2	2 (5-10 minutes of puncture resistance)

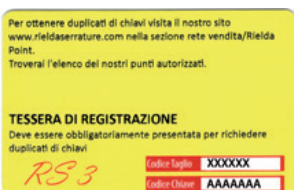


RECODABLE CYLINDER **RIELDA** controlled key duplication

Its unique feature is that it can be recoded each time the keys are changed without changing the cylinder.



5 Master keys



registration card



1 key (gold)
to change the
coding



Patented "Greek"
profile, anti
bumping, anti
lock picks.

Characteristics of the cylinder compared to the Uni En 1303:2005 norm

	Classification grades	Classification
Category use	1/2/3	1 (residential doors)*
Duration	4/5/6	6 (100.000 cycles)
Fire resistance	0/1	0 (not adapted)
Corrosion and temperature resistance	0/A/B/C	C (corrosion resistance and resistance at temperatures of -20 +80)
Key security	1-6	6 (100.000 combinations with 6 pins)
Attack resistance	0/1/2	2 (5-10 minutes of puncture resistance)

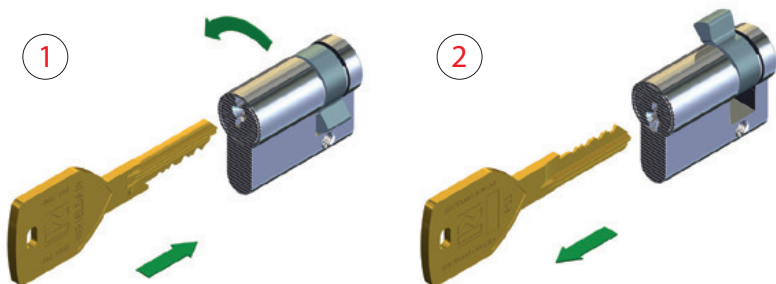
VERY HIGH SECURITY CYLINDER RIELDA RS3.

Features:

- Changing of the key without changing the cylinder.
- This cylinder allows us to have a one key to open more apartments and to autonomously change even a single key if an apartment is rented.
- Its traditional "SAW" encoding allows the insertion of the key in one direction only, but allows you to have a "Greek" profile key. These features improve security.

KEY CHANGE INSTRUCTIONS (should be performed on both the sides).

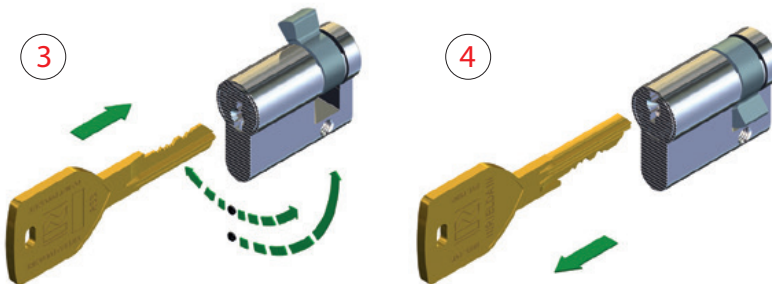
RI-PROGRAMMAZIONE



- Inserire la chiave Programmazione (colore oro)
- Ruotare la chiave di mezzo giro.

- Estrarre la chiave
- La serratura è pronta per essere programmata con una nuova chiave.

PROGRAMMAZIONE



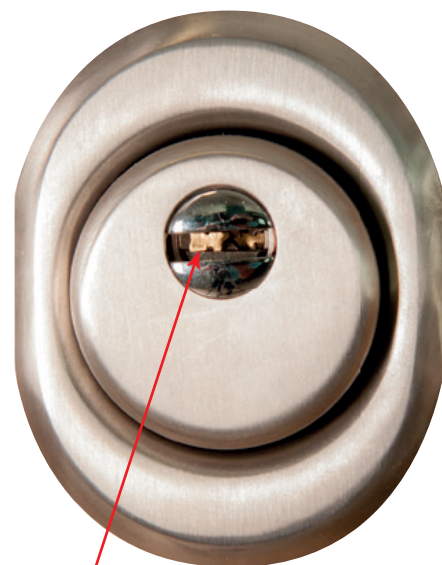
- Inserire la nuova chiave di Programmazione (colore oro)
- Lasciare la chiave almeno per 1 secondo
- Ruotare la chiave a destra e sinistra, poi eseguire mezzo giro.

- Estrarre la chiave
- La serratura è programmata, riporre la chiave Programmazione in un luogo sicuro ed utilizzare la chiave di uso (colore argento).

ATTENTION: The gold key can be used to open the door normally.

UNIQUE CONNECTION KEY

ISEO R6 KAP, KA system Piacentini is a standard cylinder processing, so a single key from the yard opens all the doors.



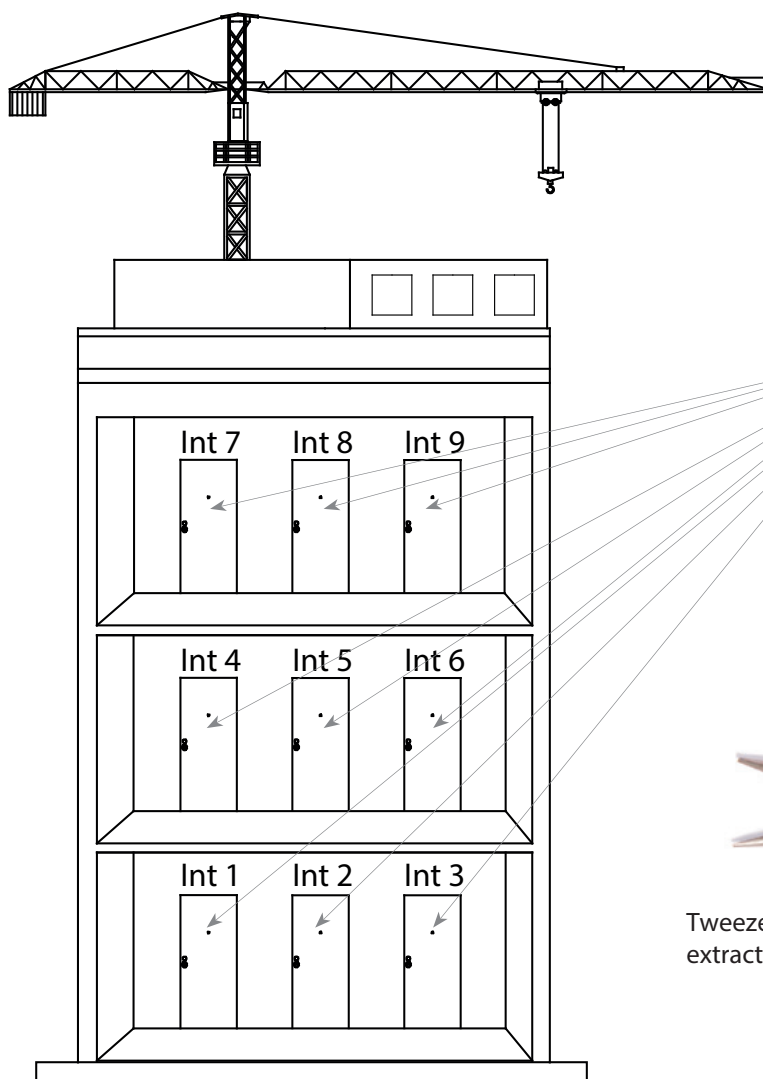
Insert inserted in the cylinder in the right position to be extracted.

ATTENTION:

The safety is minimal as dragging can also be done with a screwdriver, but it can also be maximum if the headmaster extracts the inserts, making the building keys unnecessary. The important thing is that to insert the inserts again into the same interior.



Cut key inserts and master keys for each interior



Shipyard Key which opens all the doors.



Tweezers provided to extract the inserts.

TECHNICAL INFORMATION

The insert must be inserted to the bottom, to be extracted, it must be in horizontal position with a protruding side to the left. The construction site key must match the insert to work.

BLOCK2 DEVIATOR, bolts Ø 18

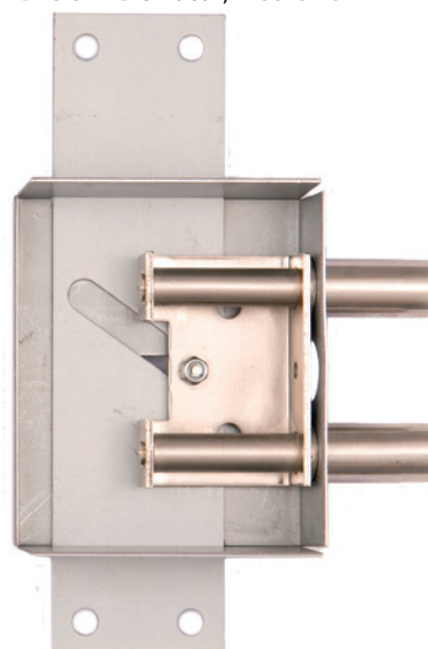


BLOCK2 Deviator mounted

BLOCK2 Deviator, mechanism

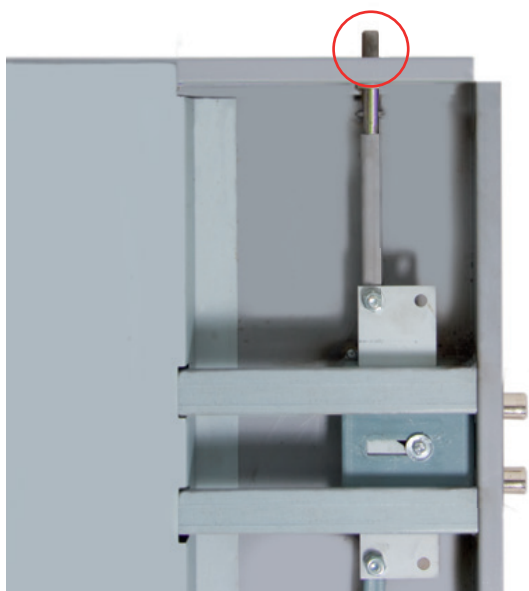


Deviator that has not passed the class 3 anti-burglary tests.

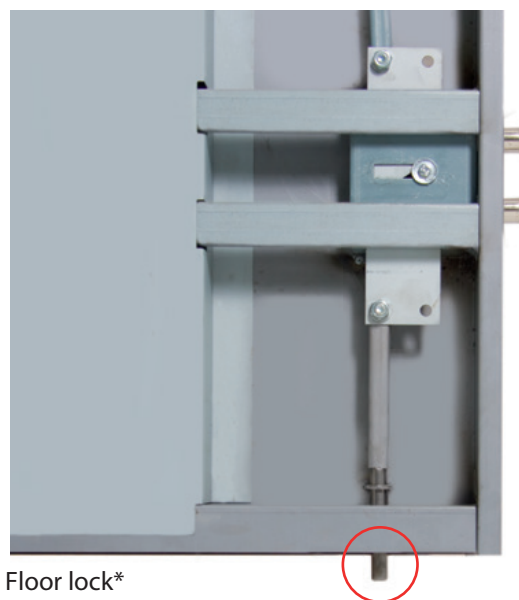


Deviator that has passed the class 3 anti-burglary tests, currently in use.
The difference is in the thru-axle held in 2 points.

The deviator is a fundamental element for the security of an armored door. On our Dolmen model we mount 2 double deviators, a superior one and an inferior one, welded onto the body and held by 2 anti-torsion steel profiles. The double deviator with the thru-axle and the anti-torsion bars are the fundamental technical characteristics that have allowed us to pass the class 3 anti-burglary tests.



Head lock*



Floor lock*



Dolmen model shell



Dolmen model shell with double side plate



Coupling bumpers Ø 14



SPRING LATCH protection from card entry



SMALL LEAF ROD Ø 14

Driven by a gear rack. When it is in the closed position it cannot return back up because it is blocked by the deviator.



ELECTRIC TRIGGER

Technical characteristics:

- Destruction resistance force 700 Kg
- manual unblocking system always open
- blocked without power
- Power 12 V, absorption 500 mA
- Opening limited to the duration of the electrical impulse (see technical details pg. 244).



NIGHT BOLT

TECHNICAL FEATURES:

can only be turned from inside, diameter 18 mm, stroke 28 mm.

TECHNICAL INFORMATION:

- with door height greater than 205 cm, both the night bolt and the partial opening can be fitted.
- with door height less than 205 cm, the night bolt or the partial opening can be fitted.
- with door height of less than 201 cm night the night bolt cannot be fitted.
- the night bolt cannot be mounted with the service lock.
- the night bolt cannot be mounted with the electronic lock.

DOOR CLOSER



SLIDING DOOR CLOSER CISA Professional Plus force is gradually adjustable from 1 to 3.
Finish:

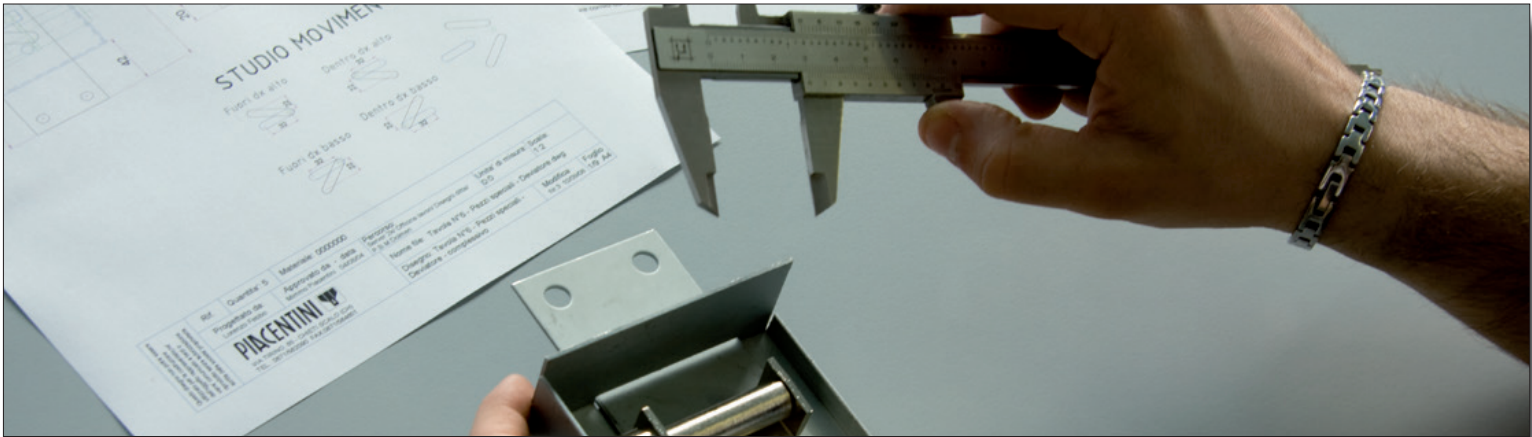
- opaque black (from series);
- aluminum;
- dark brown.



CHARACTERISTICS of the door closer compared to the Uni En 1154:2003 norm

	Classification grades	Classification
Utilization	3/4	4 (allows the closing of the door starting from a minimum angle opening of 180°)
Resistance	8	8 (500.000 cycles)
Force and door mass	1/2/3/4/5/6/7	1-2-3 (max width 1000 mm, max weight 75 kg)
Fire resistance	0/1	0 (not fit for use on fireproof doors)
Personal safety	1	1 (safe at the moment it is utilized)
Corrosion resistance	0/1/2/3/4	4 (very elevated resistance)

Other technical data:
-The force is adjustable from 1 to 3.
-Choose between final hit or slowed.
-Courtesy stop when opening.
-Premounted anchor.



BLOCK2 deviator quality control.

ANTI-PANIC HANDLE matched always with pulling door



Cisa 59607 anti-panic handle

Characteristics of the anti-panic handle compared with the Uni En 1125:1997 norm

	Classification grades	Classification
Category Use	3	3 (public place)
Duration	6/7	7 (200.000 cycles)
Door Mass	5/6/7	6 (max weight 200 kg)
Fire Resistance	0/A/B	0 (not fit for use on fireproof doors)
Personal Safety	1	1 (secure during use)
Corrosion Resistance	3/4	4 (very high resistance)
Goods Safety	2	2 (secondary to the personal safety)
Handle protrusion	1/2	1 (up to 150 mm)
Handle operation	A/B	A (operated by pushing)
Field of application of the doors	A/B/C	B (Single leaf door)

Attention: the Dolmen model armored door with anti-panic handle is not an anti-panic door (emergency exit), it is not to be used as an emergency exit because once the security bolts have been inserted they can be unblocked only by turning the key again.

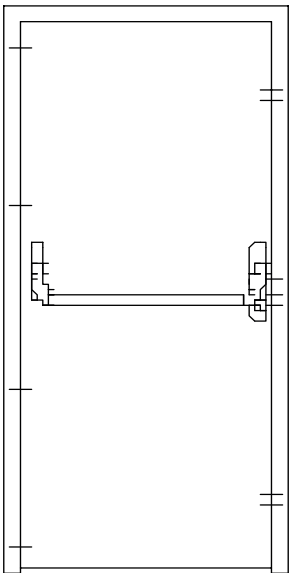
ANTI-PANIC HANDLE AND MOTTURA SECURITY LOCK matched always with a pulling door. The armored door model Dolmen with the Mottura anti-panic handle can be used as an emergency exit.



Mottura Gorilla 86530 anti-panic handle and security lock.



Lock in detail.



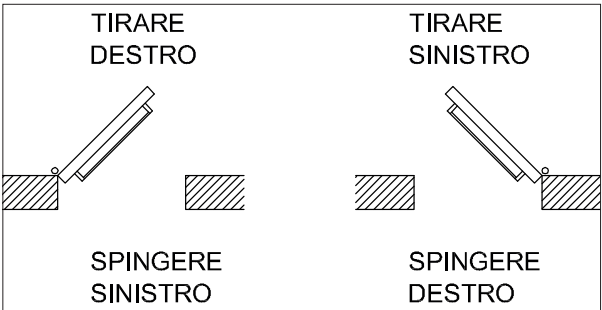
Closing points of the Dolmen model armored door with anti-panic handle and security lock Mottura model Gorilla 86530.



Features of the anti-panic handle and security lock with respect to Directive 89/106 / EEC

	Classification grades	Classification
Category Use	3	3 (public place)
Duration	6/7	7 (200.000 cycles)
Door Mass	5/6/7	6 (max weight 200 kg)
Fire Resistance	0/A/B	0 (not fit for use on fireproof doors)
Personal Safety	1	1 (secure during use)
Corrosion Resistance	3/4	4 (very high resistance)
Goods Safety	2	2 (secondary to the personal safety)
Handle protrusion	1/2	1 (up to 150 mm)
Handle operation	A/B	A (operated by pushing)
Field of application of the doors	A/B/C	B (Single leaf door)

TECHNICAL NOTES: the certification of the Mottura model handles 86530 Gorilla is only for single-leaf door maximum 130x250. The maximum recommended by us is 119x249.



NOTE: To indicate the direction of opening of a door with an anti-panic handle correctly, a pulling system is used. To avoid countless errors of interpretation, when you order this item it will come with a drawing in order to better understand which way the door opens. It is recommended that you indicate on the drawing on which side of the door you would like to place the door panels, if different between inside and outside.

NOTE: For a double leaf door, the Gorilla anti-panic handle can only be mounted on the larger leaf, the smaller leaf remains fixed. Certification with respect to the 89/106 / EEC is no longer valid.

Optional

OPTIONAL FROM SERIES OR ADDITIONALS for the Dolmen model armored door



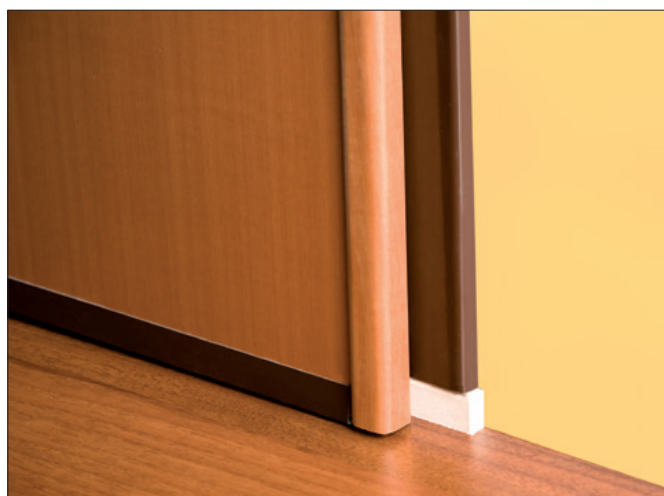
DRAFT GUARD* tested 200.000 cycles of opening and closing (minimum size for mounting on the small side 25 cm).



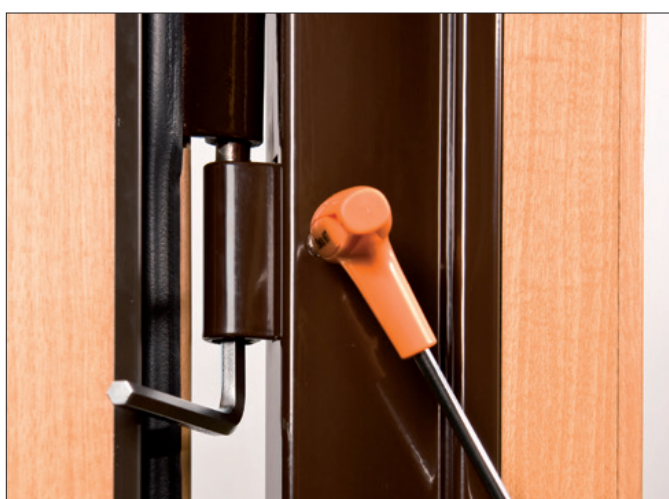
PARTIAL OPENING**



VISIBLE STOPPER
ALUMINUM BAR STOPPER *** N54x20
(see technical details pg. 242)



STOPPER IS NOT VISIBLE
it is indispensable that the marble threshold protrudes internally by 1 cm (see technical details pg. 242).



SPHERE HINGE adjustable vertically and horizontally. Once the correct placement has been found there is no need to tighten other screws



THIRD**** CENTRAL HINGE

NOTES: * Tested CCE Villa del Conte 13-06-2012.

** With the electronic lock, the partial opening can not be inserted if the door is lower than 209 cm.

*** The visible aluminum bar stopper N54x20 is not included.

**** THIRD CENTRAL HINGE is recommended for doors with measurements superior to 110x240 cm. Can not be inserted with electronic lock.

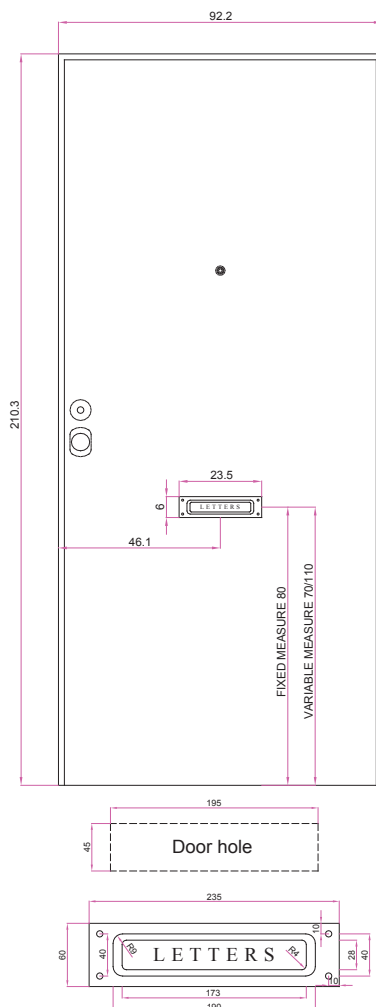
OPTIONAL FROM SERIES OR ADDITIONALS



NOTE: * Rockwool, features: density 40 Kg / m3 - thermal conductivity 0.034 W / m2K - sound insulation Rw dB 53.
** The chassis / wall seal can not be mounted in the type A and C door frame.

Optional

MAIL SLOT



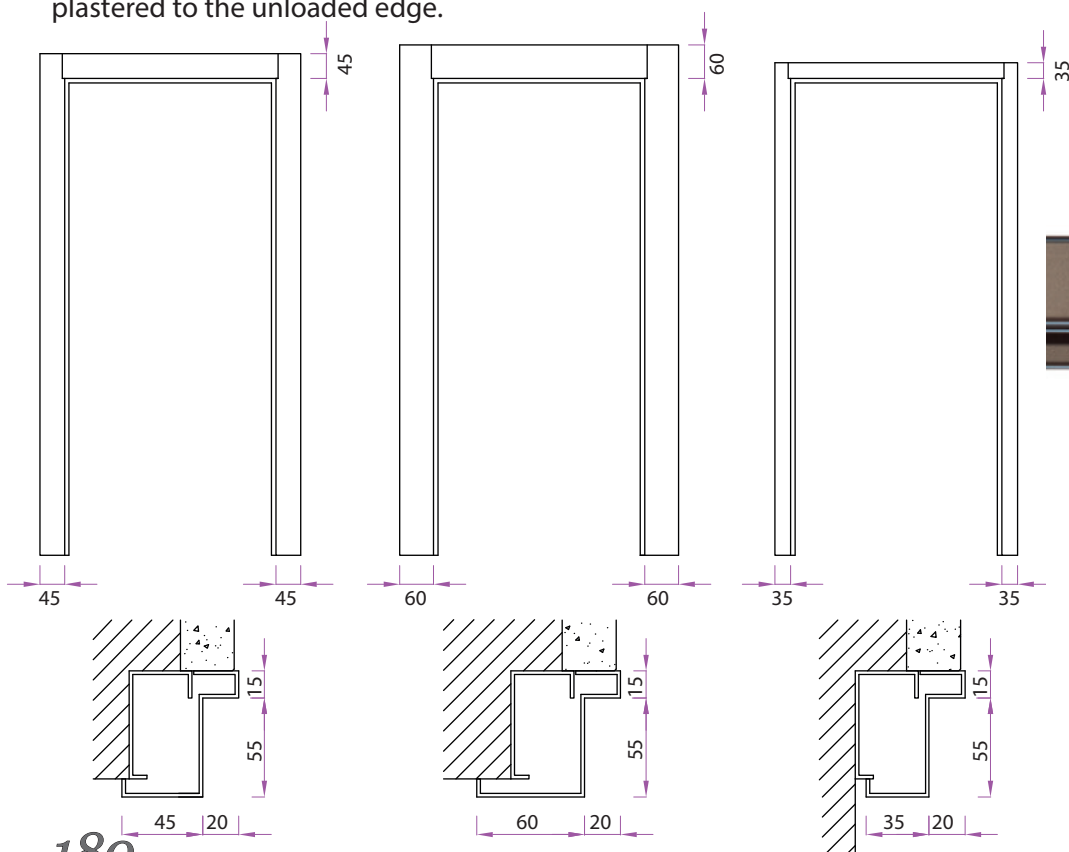
MAIL SLOT polished brass finish.

The mail slot does not have an inner cover. Opening the flap allows you to see directly inside the house. To mount the cover there must be a flat surface minimum 6,5x24 cm. The slot will be positioned 80 cm from the ground in the center of the door, unless otherwise specified. The height can vary from 60 cm to 120 cm off the ground in case of any problems presented due to the exterior panel. The opening for the letter is 2,8 x 17,3 cm. The space required for the mail slot 4,5x19,5 cm.

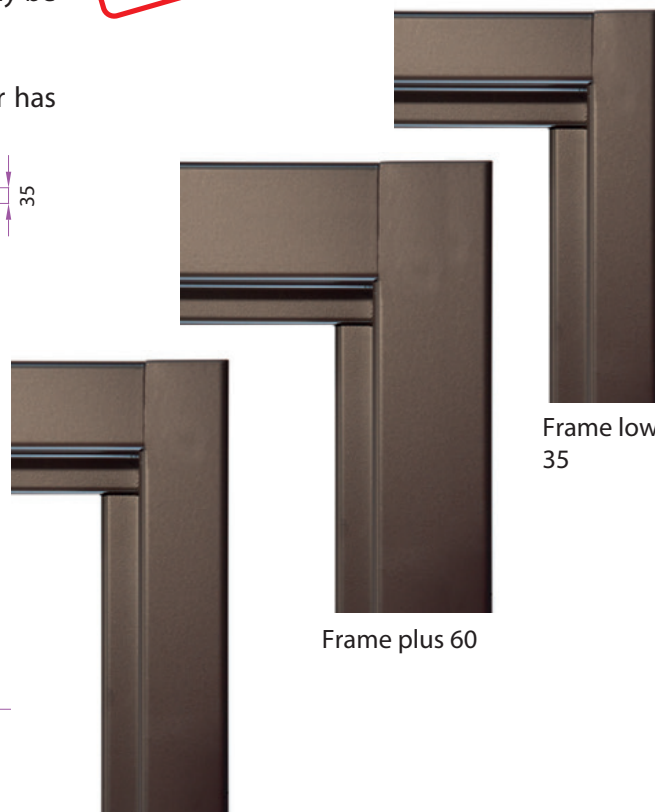
FRAME PLUS 60 FRAME LOW 35

The inner side of the standard frame is 45 mm, sometimes this measurement may be ineffective:

- chassis utilization of 60: if you have to cover imperfections;
- 35 frame use: if the door is placed at the center of the wall and the bricklayer has plastered to the unloaded edge.



**NEW
ARTICLE**



Frame low
35

Frame plus 60

Frame 45

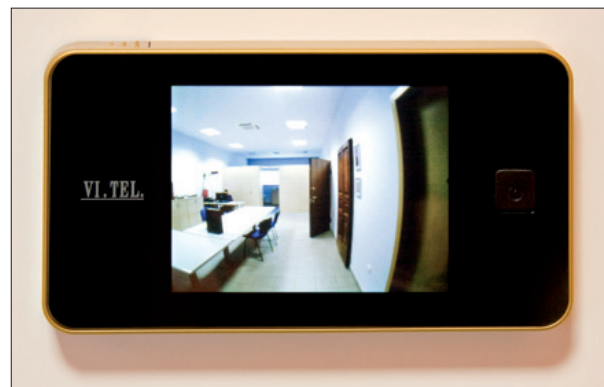
This type of chassis can NOT be found on the "M" type cassamatte with internal display.

DIGITAL PEEPHOLE

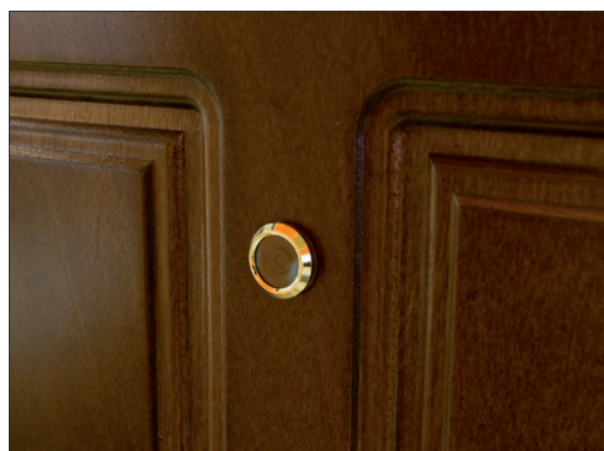


Interior view

With the digital peephole we can see the benefits of a clear and magnified image. With the traditional peephole the image is poor, the elderly often have difficulty seeing the outside or cannot reach the eye because of their height.



DIGITAL SCREEN brass
Interior view

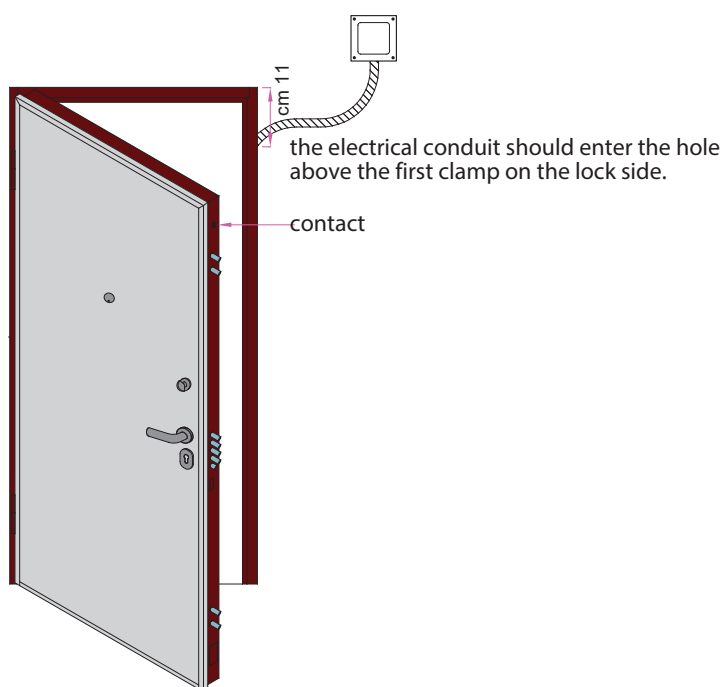


DIGITAL PEEPHOLE brass
Exterior view

TECHNICAL NOTES:

-LCD Sreen	TFT 3,2"
-Dimensions	125x68x15 mm
-Viewing angle	105°
-Power supply	2 batterie stilo AAA (batterie incluse)
-Power down	automatically after 10 seconds
-Color	brass and satin chrome

MAGNETIC CONTACT for alarm systems (only for single-leaf doors).



TECHNICAL NEWS:

- Contact	N.C. (with magnet close by)
- Magnet	N35
- electrical specs.	0,4A 100Vc.c. resistive load
- Conductors	2 wires, cross section 0,32 mm²,
length	450 mm
- Reach	pull up to 10 mm
- Certification	CE, UL

Optional

BASEBOARD and brass nails



BASEBOARD WITH BRASS nails



BRASS nails



Detail

TECHNICAL NOTES:

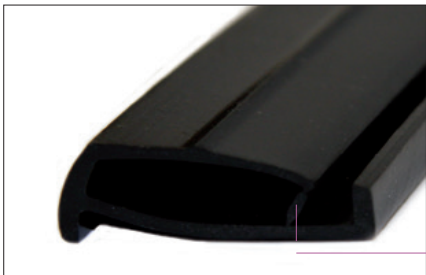
Baseboard height 200 mm thickness 9 mm.
Nails are pyramid-shaped with a base of 30 mm.
The number of nails can be reduced, minimum 6.
Upon request, the nails can be mounted diagonally.
It is made of raw brass, it soon develops a natural oxidation
which gives it a burnished color.

DOUBLE SEAL

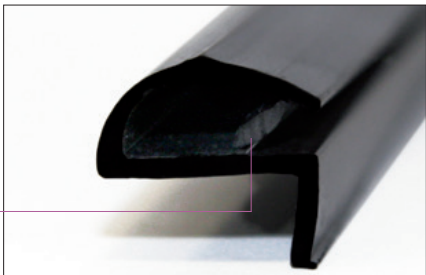


ADDITIONAL PROPERTIES of the displayed seals.

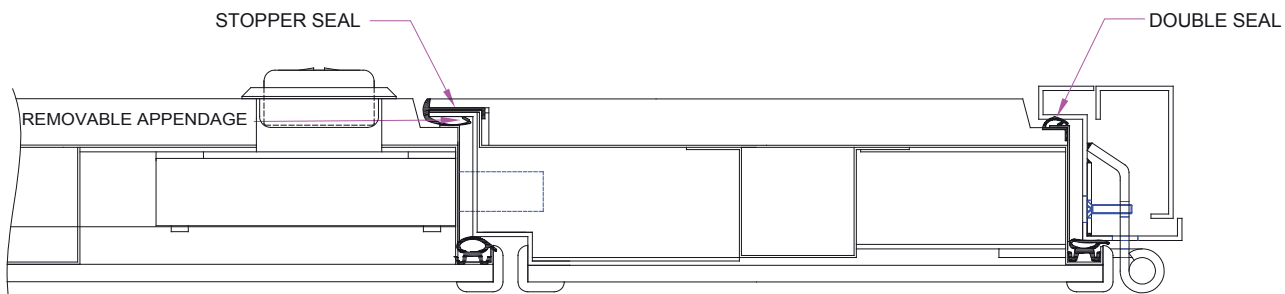
On the seal there is a removable flap that reduces the thickness by 0,7mm if adjustments are needed. (The white seals do not come with the removable flap)



BUMPER SEAL on the small leaf



DOUBLE SEAL on the door



HINGE COVERS



HINGE COVERS available in polished brass and match with the polished brass handle set.



HINGE COVERS available in satin chrome and match with the satin chrome handle set.

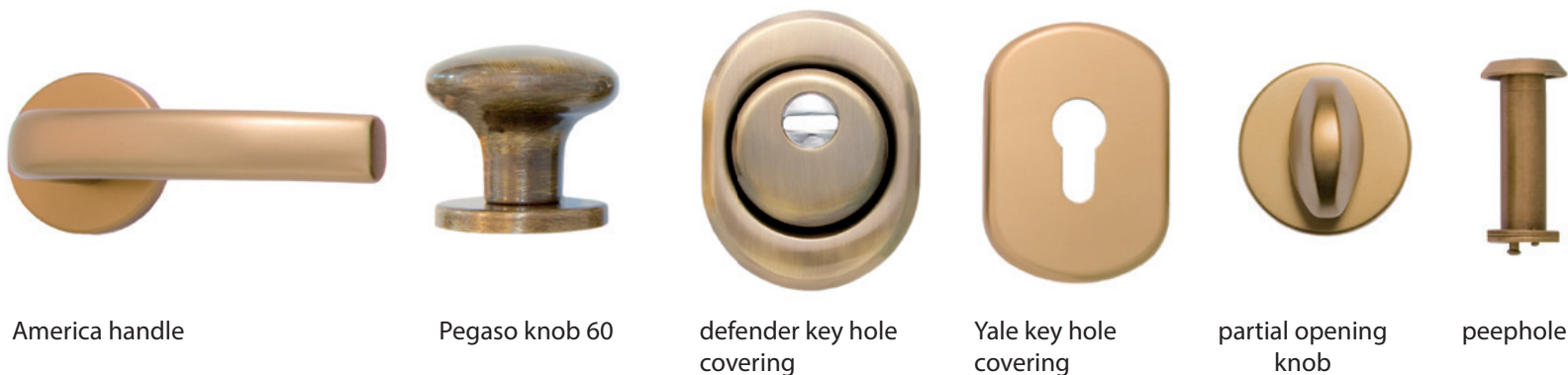
Optional

HANDLES

Aluminum brass GCTOL (standard on GIOVE Series)

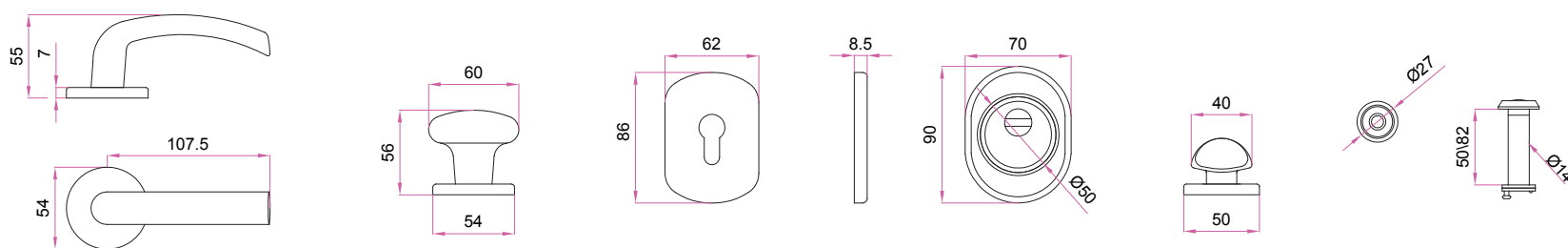


Bronzed Aluminum F4 (standard on MINERVA Series except for partial opening knob)



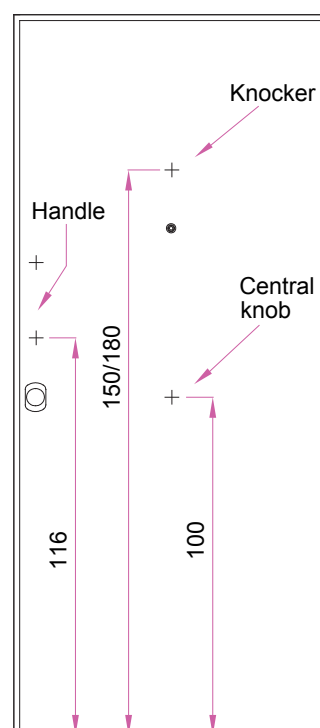
Aluminum satin chrome GCTCS





Anchoring of stopper, handle and knob

The anchoring holes will be made as in the design, if not specifically requested in other points, after a feasibility check.



FINISH LEGEND relative to the exposure and use resistance*

material	abbreviations	Finish description	best exposure condition (placement inside of a condominium)	worst condtion (external placement in front of the ocean)
aluminum	GCTOL	ghi.co.tec polished brass	2 years	5 months
aluminum	F4	anodized bronze	10 years	10 years
aluminum	GCTCS	ghi.co.tec satin chrome	5 years	2 years
brass	OLV	lacquered polished brass	2 years	3 months
brass	PVD	polished brass pvd	10 years	3 years
brass	OGV	lacquered aged brass	5 years	8 months
brass	OCS	satin crome brass	10 years	1 year
stainless	INOX	stainless steel	10 years	10 years

NOTE:* The evaluation of the exposure resistance is based on our practical experience, considering the use by a family of 4 people; even if the indicated time has passed the handle remains functional and aesthetically acceptable, but it begins to show signs of wear.

Optional

OLV* POLISHED BRASS HANDLES



Ring knocker



Marzia handle



Impero handle



Novecento handle



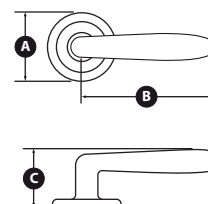
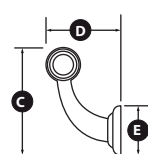
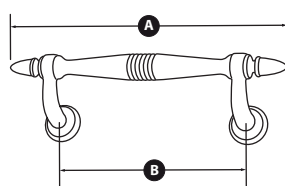
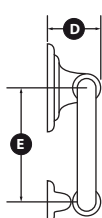
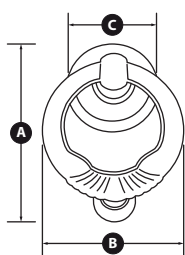
Elite handle



Pigna handle



Ginevra handle OLS**



Name	Measurements mm					attachment
	A	B	C	D	E	
Ring knocker	154	136	70	59	101	rosette A
Marzia handle		220		77	45	screw/rosette
Impero handle	271	147	47	73	28	10 hole
Novecento handle	45	112	66			Q8
Elite handle	45	120	67,5			Q8
Pigna handle	50	73	85			Q8
Ginevra handle OLS**	50	114	58			Q8

NOTES: * The lacquered polished brass OLV is matched to the defender and Yale key hole coverings and to the partial opening knob made of polished aluminum brass GCTOL.

** OLS Polished satin brass, has the same characteristics of the OLV (see the finish legend pg. 185).

Optional

BRASS HANDLES PVD*



Marzia handle



Ring knocker



Spanish handle



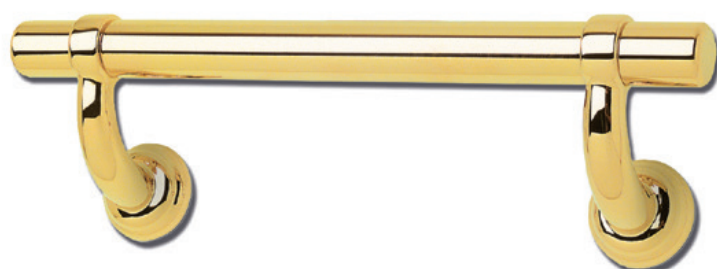
Spanish knocker



Carlton handle



English knocker



Hilton handle



Lion knocker



Uno handle



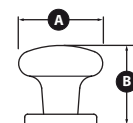
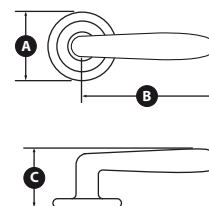
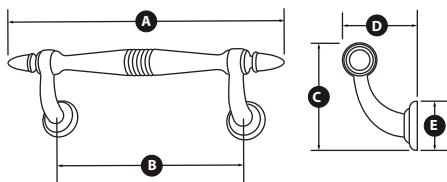
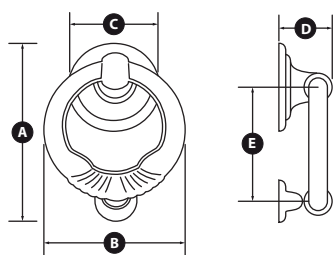
Pigna handle



Pegaso knob 60



Pegaso knob 70**



name	measurements mm					attachment
	A	B	C	D	E	
Marzia handle		220		77	45	screws/rosette
Spanish handle	320	280	80	88	45	rosette B
Carlton handle	340	235	94	73	44	rosette B
Hilton handle	307	230	90	68	44	rosette B
Anello knocker	154	136	70	59	101	rosette A
Spanish knocker	155	118	79	60	100	rosette B
English knocker	163	110	79	63	107	rosette B
Lion knocker	193	115		42,5		screwed
Uno knocker	45	111	62			Q8
Pigna knocker	65	73	87			Q8
Pegaso knob 60	60	56				Q8
Pegaso knob 70	70	57				rosette D

NOTES: * The handle PVD polished brass is matched to the defender and Yale key hole coverings and to the partial opening knob made of polished aluminum brass GCTOL.

** Pegaso knob 70 can only be mounted at the center of the door.

Optional

AGED BRASS HANDLES OGV*



Marzia handle



Ring knocker



Spanish handle



Spanish knocker



Carlton handle



English knocker



Hilton handle



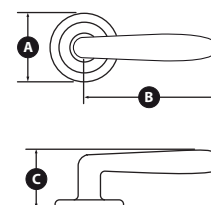
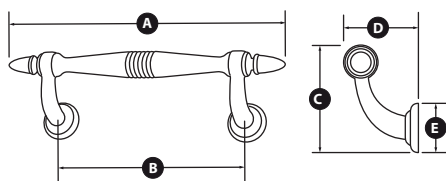
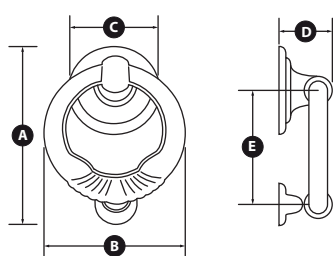
Lion knocker



Uno handle



Pigna handle



name	measurments mm					attachment
	A	B	C	D	E	
Marzia handle		220		77	45	screw/rosette
Spanish handle	320	280	80	88	45	rosette B
Carlton handle	340	235	94	73	44	rosette B
Hilton handle	307	230	90	68	44	rosette B
Ring knocker	154	136	70	59	101	rosette A
Spanish knocker	155	118	79	60	100	rosette B
English knocker	163	110	79	63	107	rosette B
Lion handle	193	115		42,5		screwed
Uno handle	45	111	62			Q8
Pigna handle	50	73	82			Q8

Optional

SATIN CHROME HANDLES OCS*



Marzia handle



Ring knocker



Spanish handle



Spanish knocker



Carlton handle



English knocker



Hilton handle



Uno handle



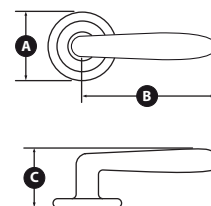
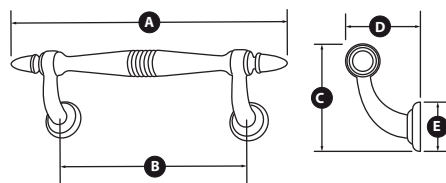
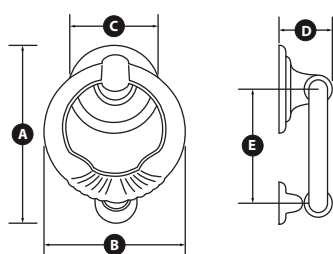
Pigna handle



Galileo Q handle **



Frame handle ***



name	measurements mm					attachment
	A	B	C	D	E	
Marzia handle		220		77	45	screw/rosette
Spanish handle	320	280	80	88	45	rosette B
Carlton handle	340	235	94	73	44	rosette B
Hilton handle	307	230	90	68	44	rosette B
Ring knocker	154	136	70	59	101	rosette A
Spanish knocker	155	118	79	60	100	rosette B
English knocker	163	110	79	63	107	rosette B
Uno handle	45	111	62			Q8
Pigna handle	50	73	85			Q8
Galileo Q handle	50	106	58,5			Q8
Frame handle	50	130	52			Q8

NOTES: * The satin chrome brass OCS is matched to the defender and Yale key hole coverings and the partial opening made of satin chrome aluminum GCTCS.

** OCL polished brass chrome, has the same characteristics of the OCS.

*** aluminum finish F1-SAT

Optional

STAINLESS STEEL HANDLES*



Hilton handle



Steel handle 101



Ermitage handle



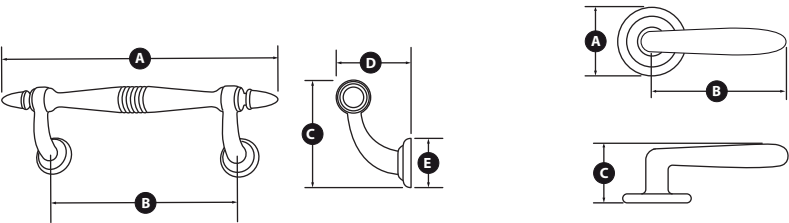
Steel handle 102



Ginevra handle



Ginevra handle



Carlton handle

name	measurments in mm					attachment
	A	B	C	D	E	
Hilton handle	306	230	90	80	34	rosette C
Ermitage handle	387	230	126	84	34	rosette C
Steel 101 handle		252		62	25	hole 15
Steel 102 handle	500	350		75	25	hole 15
Ginevra handle		252		59	52	screw/rosette
Carlton handle	333	230	95	85	34	rosette C
Ginevra handle	50	114	58			Q8

ATTACHMENTS

All the declared attachments are included in the packs



Iron Q8x100/110 friction

Serves for the fixation of the axis of the internal handle and of the external knob. The external knob does not have the sliding function (length Q8x100 mm external panel 7 mm - Q8x110 mm external solid panel 20 mm).



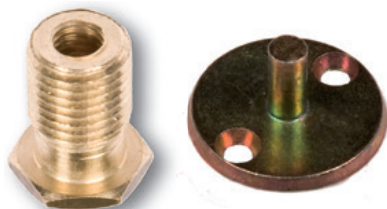
Iron Q8x160 passing

Serves for the fixation of the axis of the internal and external handle; both slide, it is used for armored doors with room pass function (one length Q8x160 mm).



Iron Q8x80 expansion

Serves for the fixation of the only internal handle; it is used for example when the knob is placed externally at the center (one length Q8x80 mm).



attachment rosette A
M14 - diameter 31 - pin 6



attachment rosette B
diameter 27 - pin 9



attachment rosette C
diameter 35 - pin 12



attachment rosette D
M 10 - hexagon 17



attachment hole 10
M 6** - pin 10



attachment hole 15

NOTES: The handles are from Ghidini www.ghidini.com and Royal Pat www.royalpat.it, for other models visit the indicated sites.

* The stainless steel handle is matched to the defender and Yale key hole coverings and the partial opening knob made of satin chrome aluminum GCTCS.

** Ideal sheet hole of the armored door diameter 4,5 mm for M6.

Glass

THE GLASS is a fundamental component for an armored door, is used: in the skylights, in the windowed doors and doors with light hips.

Arched SKYLIGHT



exterior view

Model: **Sara + Matta AP V**
Type: **solid Oak**
Color: **medium walnut**



Flat arched SKYLIGHT



interior view

 The arched skylight is made with a flat profile above the subframe. Externally the contour is normal, internally there are two protruding edges. This is because the door frame has a thickness of 65 mm, while the arch has a thickness of 20 mm. This low profile is useful when there is little space under the lintel like the picture above. We can make a round arch or low arch. When an masonry arch is present, we recommend send us a cardboard silhouette, in addition to its measures, to avoid errors.

Rectangular SKYLIGHT



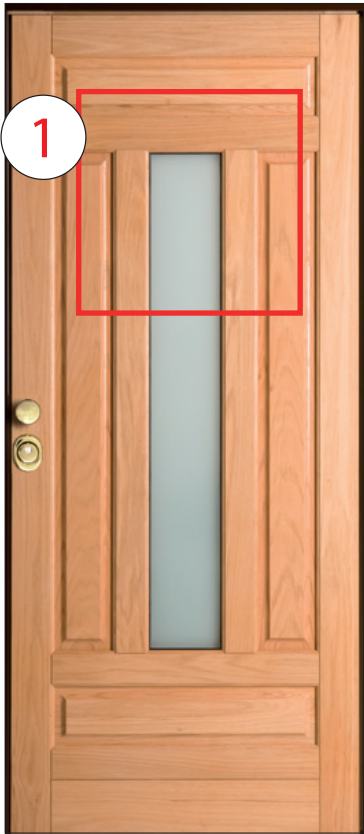
exterior view



interior view

Model: *Dolomite*
Type: *Okumè veneered with oak*
Color: dye *medium walnut*

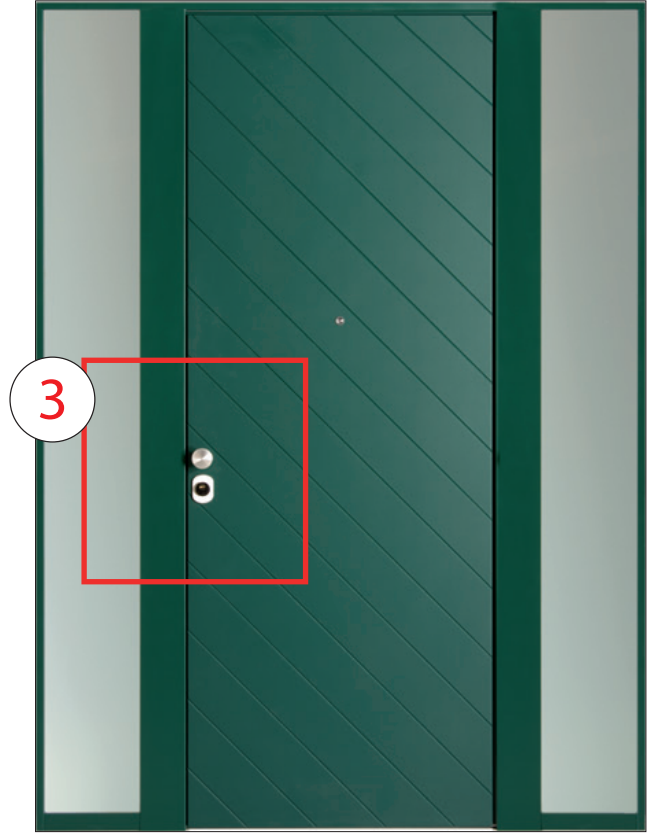




Door with rectangular glass



Door with arched glass



Door with side glass

Door with rectangular glass



Particular external view



Particular internal view

Door with arched glass

2



Particular external view



Particular internal view

Door with side glass

3



Particular external view



Particular internal view

COMPOSITION, CHARACTERISTICS AND CERTIFICATIONS

The first thing to choose about the glass is the composition, knowing that only the bulletproof glass SG 19/21 allows for the conservation of the class 3 anti-burglary certification of the Dolmen model armored door.

The next thing to choose is the finish of the glass:

transparent
opaque
smoked
mirror
white satin
bronze satin

Characteristics of each finish:

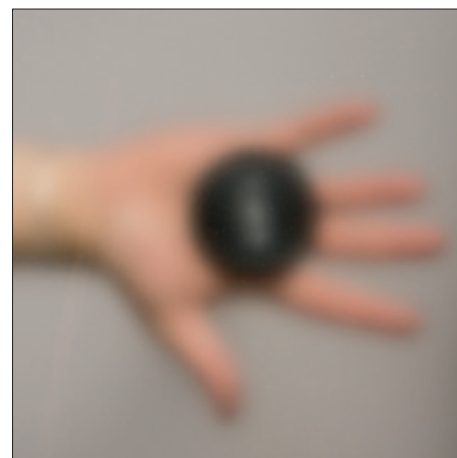
transparent:: allows for maximum light passage;
opaque:allows for a good light passage with a diffused light effect and no exterior view;
white/bronze satin: more elegant than the opaque, but from the exterior it is possible to see a person's silhouette well, especially if the interior is illuminated;
smoked:elegant glass, but from the exterior it is possible to see a person's silhouette well, especially if the interior is illuminated;
mirror: the mirror effect is seen from the side where there is more light. By day from the exterior, while by night from the interior, illuminated.



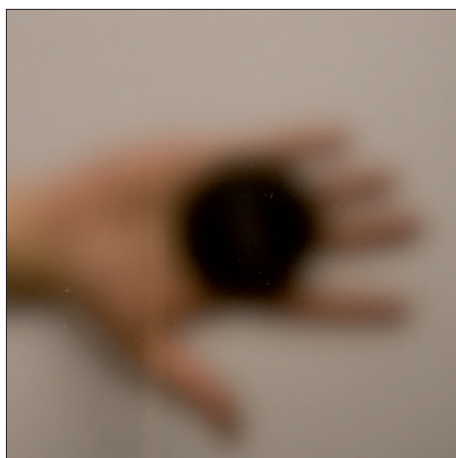
Transparent



Opaque



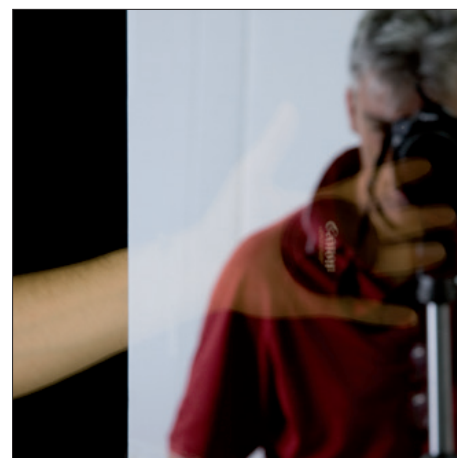
White satin



Satin bronze



Smoked



Mirror

Useful information:

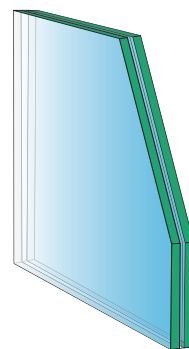
the minimum measure of glass is 10 cm, the maximum thickness that can be housed in the armored door Dolmen model is 39 mm. It is possible to house glazing of greater thickness, up to mm 52 (P50), after proper design.

When an armored door is ordered without glass supply, indicate always the thickness of the glass that will be housed.

When the type of glass is not specified in the order, "opaque 10/11 shatterproof" is mounted.

Test results, shatterproof glass 10/11:

Anti-burglary: Uni En 356 class NPD*
 Anti-vandalism: Uni En 356 class NPD*
 Shock resistance: Uni En 12600 class 1B1
 Thermaltransmittance: UniEn673 Ug=5,6W/m²k
 Acoustic isolation: Uni En 12758 Rw 35db±1

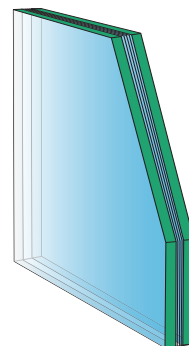


Composition:
 glass + PVB + glass
 5 + 0,38 + 5
 n°1 PVB sheet

Finish:
 trasparente, opaque,
 white satin, satin bronze,
 smoked, mirror.

Test results, bulletproof glass** SG 19/21:

Anti-burglary: Uni En 356 class P7B
 Anti-vandalism: Uni En 356 class P5A
 Bulletproof: Uni En 1063 class BR2/S
 Thermaltransmittance: UniEn673 Ug=4,9W/m²K
 Acoustic isolation: Uni En 12758 NPDP*

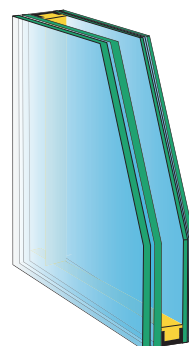


Composizione:
 vetro + PVB + vetro
 8 + 4,56 + 8
 n°12 fogli PVB

Finiture:
 trasparente, opaco,
 satinato bianco, specchio.

Test results, glass chamber P01 28/30:

Anti-burglary: Uni En 356 class NPD*
 Anti-vandalism: Uni En 356 class NPD*
 Shock resistance: Uni En 12600 class 1B1
 Thermaltransmittance: UniEn673 Ug=1,3W/m²k
 Acoustic isolation: (estimated value) Rw 38 db±1

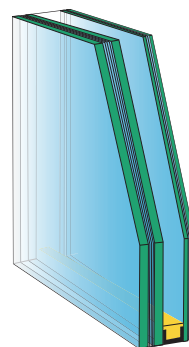


Composition:
 glass + Argon air chamber + glass
 10/11 + 12 + 6/7
 glass 6/7 low emissions

Finish:
 trasparente, opaque, white satin,
 bronze satin, smoked, mirror.

Test results, glass chamber P20** 37/39:

Anti-burglary Uni En 356 classe P7B
 Anti-vandalism Uni En 356 classe P5A
 Bulletproof Uni En 1063 classe BR2/S
 Thermal transmittance Ug=1,2 w/m²k
 Acoustic isolation: (estimated value) Rw 45db



Composition:
 glass + Argon gas chamber + glass
 19/21 + 12 + 6/7
 Vetro 6/7 low emissions

Finish:
 trasparente, opaque, white satin,
 mirror.

Test report bulletproof glass SG 19/21:

Stazione Sperimentale del Vetro
 Novara - Milano, Via Brinelli 18
 Novara - Milano, Via della Industria - c/o FEGIA Edilizia Pagine

RAPPORTO DI PROVA / TEST REPORT N. 46284 Rev001 pag. 1 di 1

Marghera 14/04/2003 ref. Martello UNI vetro stratificato

richiedente: NOVA VETRO S.R.L.
 progetto: ZONA IND. TACCOLE - 62027 SAN SEVERINO MARCHE (MC)
 campione: Vetro stratificato laminato glass
 data: 27/03/2003
 committente: SECURGLASS 19/21
 data: 27/03/2003
 ritorno di: 20/02/2003 a mezzo cartone

Revisione del 08.04.2008 per modifica editoriale.
 Il presente rapporto di prova risulta sostituito il precedente n. 46284 del 14.04.2003

Attestazione di Prova di Tipo
 Type Test Attestation

Vetro anti-effrazione secondo UNI EN 356:2002
 Anti-bandi glazing according to UNI EN 356:2002
 Verglasung mit Widerstand gegen manuellen Angriff nach UNI EN 356:2002
 Vitrages résistants à l'attaque manuelle selon UNI EN 356:2002

Campione: Vetro stratificato
 Sample: Laminated glass
 Profilo: VSG Schotte
 Echantillon: Vetro stratificato
 Reference: SECURGLASS 19/21

Visti i risultati della prova, la campionatura può essere classificata come:
 As a result of the test, the sample can be classified as:
 Aufgrund des Prüfergebnisses wird dem Prüfmuster folgende Widerstandsklasse zugewiesen:
 Le résultat de l'essai permet de classer l'éprouvette comme suit:

UNI EN 356 P7B

Il RESPONSABILE DEL LABORATORIO
 Enzo Magno

Il DIRETTORE GENERALE
 Dr. Mario Tucci

Anti-burglary Uni En 356 P7B

Stazione Sperimentale del Vetro
 Novara - Milano, Via Brinelli 18
 Novara - Milano, Via della Industria - c/o FEGIA Edilizia Pagine

RAPPORTO DI PROVA / TEST REPORT N. 46284 Rev001 pag. 1 di 1

Marghera 14/04/2003 ref. Martello UNI vetro stratificato

richiedente: NOVA VETRO S.R.L.
 progetto: ZONA IND. TACCOLE - 62027 SAN SEVERINO MARCHE (MC)
 campione: VETRO STRATIFICATO
 data: 27/03/2003
 committente: SECURGLASS 19/21
 data: 27/03/2003
 ritorno di: 20/02/2003 a mezzo cartone

Revisione del 08.04.2008 per modifica editoriale.
 Il presente rapporto di prova risulta sostituito il precedente n. 46284 del 14.04.2003

Attestazione di Prova di Tipo
 Type Test Attestation

Vetro anti-effrazione secondo UNI EN 356:2002
 Anti-bandi glazing according to UNI EN 356:2002
 Verglasung mit Widerstand gegen manuellen Angriff nach UNI EN 356:2002
 Vitrages résistants à l'attaque manuelle selon UNI EN 356:2002

Campione: Vetro stratificato
 Sample: Laminated glass
 Profilo: VSG Schotte
 Echantillon: Vetro stratificato
 Reference: SECURGLASS 19/21

Visti i risultati della prova, la campionatura può essere classificata come:
 As a result of the test, the sample can be classified as:
 Aufgrund des Prüfergebnisses wird dem Prüfmuster folgende Widerstandsklasse zugewiesen:
 Le résultat de l'essai permet de classer l'éprouvette comme suit:

UNI EN 356 P5A

Il RESPONSABILE DEL LABORATORIO
 Enzo Magno

Il DIRETTORE GENERALE
 Dr. Mario Tucci

Anti-vandalism Uni En 356 P5A

Stazione Sperimentale del Vetro
 Novara - Milano, Via Brinelli 18
 Novara - Milano, Via della Industria - c/o FEGIA Edilizia Pagine

RAPPORTO DI PROVA / TEST REPORT N. 46284 Rev001 pag. 1 di 1

Marghera 14/04/2003 ref. Martello UNI vetro stratificato

richiedente: NOVA VETRO S.R.L.
 progetto: ZONA IND. TACCOLE - 62027 SAN SEVERINO MARCHE (MC)
 campione: VETRO STRATIFICATO
 data: 27/03/2003
 committente: SECURGLASS 19/21
 data: 27/03/2003
 ritorno di: 20/02/2003 a mezzo cartone

Revisione del 08.04.2008 per modifica editoriale.
 Il presente rapporto di prova risulta sostituito il precedente n. 46284 del 14.04.2003

Attestazione di Prova di Tipo
 Type Test Attestation

Vetro anti-effrazione secondo UNI EN 356:2002
 Anti-bandi glazing according to UNI EN 356:2002
 Verglasung mit Widerstand gegen manuellen Angriff nach UNI EN 356:2002
 Vitrages résistants à l'attaque manuelle selon UNI EN 356:2002

Campione: Vetro stratificato
 Sample: Laminated glass
 Profilo: VSG Schotte
 Echantillon: Vetro stratificato
 Reference: SECURGLASS 19/21

Visti i risultati della prova, la campionatura può essere classificata come:
 As a result of the test, the sample can be classified as:
 Aufgrund des Prüfergebnisses wird dem Prüfmuster folgende Widerstandsklasse zugewiesen:
 Le résultat de l'essai permet de classer l'éprouvette comme suit:

UNI EN 1063 "BR2/S"

Il RESPONSABILE DEL LABORATORIO
 Enzo Magno

Il DIRETTORE GENERALE
 Dr. Mario Tucci

Bulletproof Uni En 1063 BR2/S

NOTES: * NPD = No Performance Declared.

** Available in transparent, opaque, and satin white finishes. It is not possible to insert P20 glass in the skylight, skylight with flat skylight skylight with inversion lock.

Glass

GLASS CHAMBER P50 *

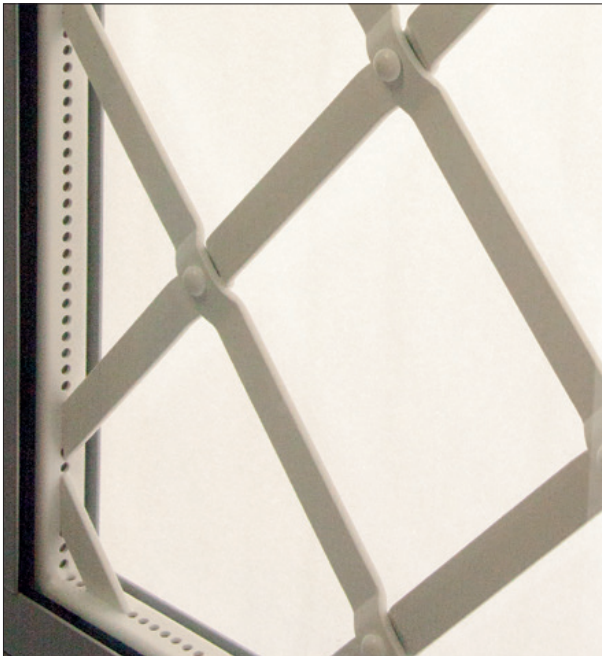
The peculiarity of this glass chamber is the increased thickness (mm50) so that it is inserted into the door to fit the two panels (inside and outside) without the need for a compensation frame. Also in your chamber you can insert a grate or a venetian. This item can only be mounted with glass center door.



Glass chamber: *P50 Trasparent*
Inside the chamber: *Grate Liberty-C*
Color: *Ral 5010*



Glass chamber: *P50 Trasparent*
Inside the chamber: *venetian rope*



Grate nailed "D" Ral 9016 - detail



Venetian interior view



Grate 900 anthracite - detail

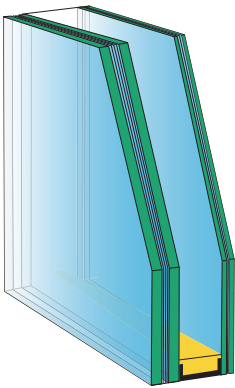


Venetian rope drive system - detail

Test results, glass chamber P50** 52/54:

Anti-burglary Uni En 356.....	classe P7B
Anti-vandalism Uni En 356.....	classe P5A
Bulletproof Uni En 1063.....	classe BR2/S
Thermal transmittance.....	Ug=1,2 w/m ² k
Acoustic isolation: (estimated value).....	Rw 45db

TECHNICAL INFORMATION:	
The P50 camera can be used	
Dolmen Model	glass, venetian + glass glass + grate
Model Dolmen CS	glass, glass+venetian

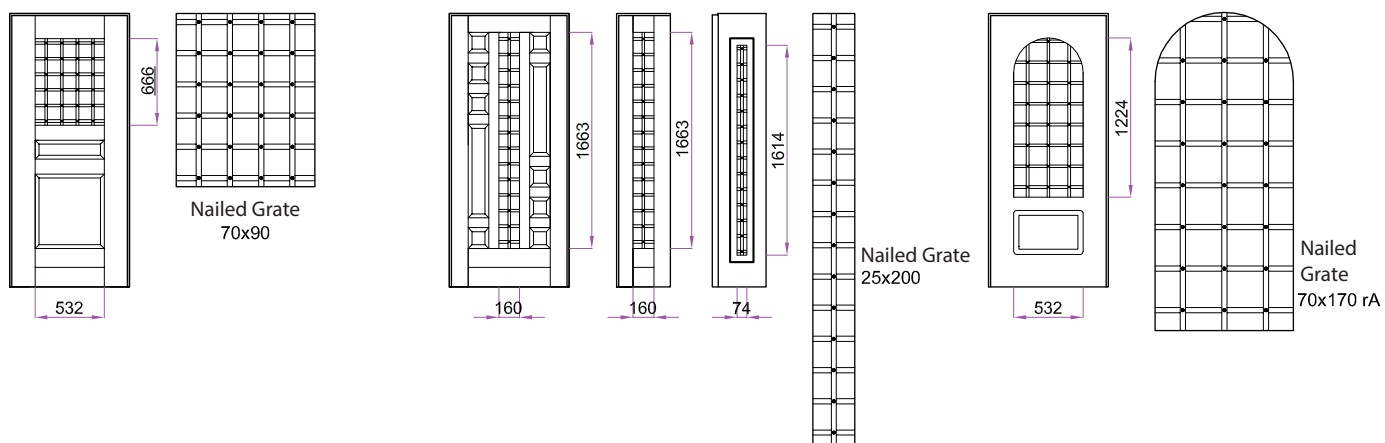


Composition:
 glass + Argon gas chamber + glass
 19/21 + 22 + 8/9
 Vetro 8/9 low emissions

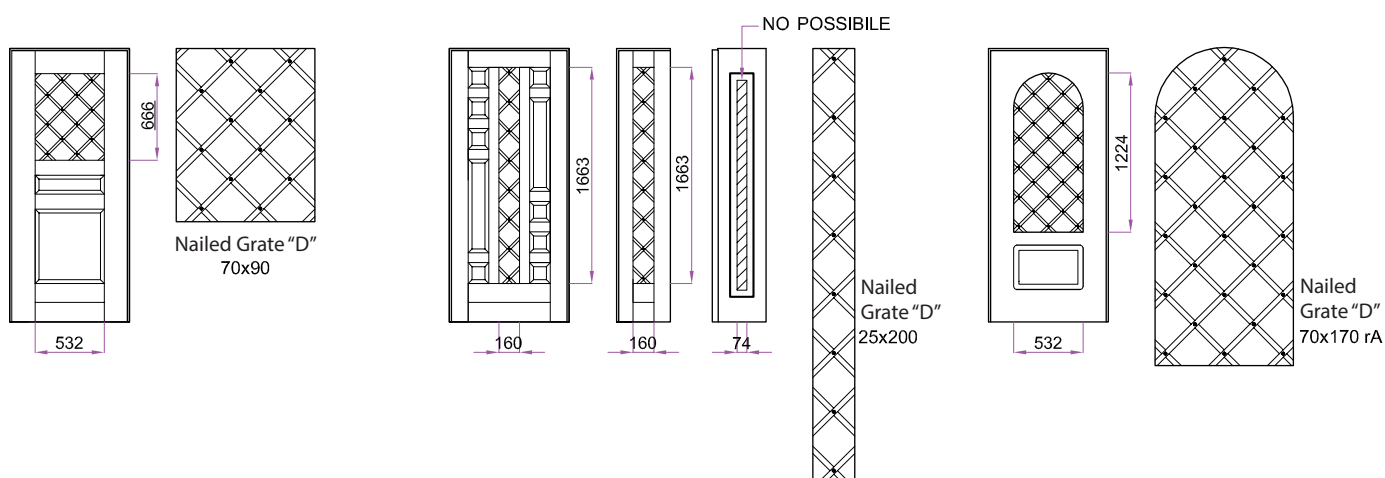
Finish(8/9):
 transparent, opaque, white satin,
 mirror.

STEEL GRATE to be inserted inside the P50 glass chamber
to be mounted on the Dolmen model

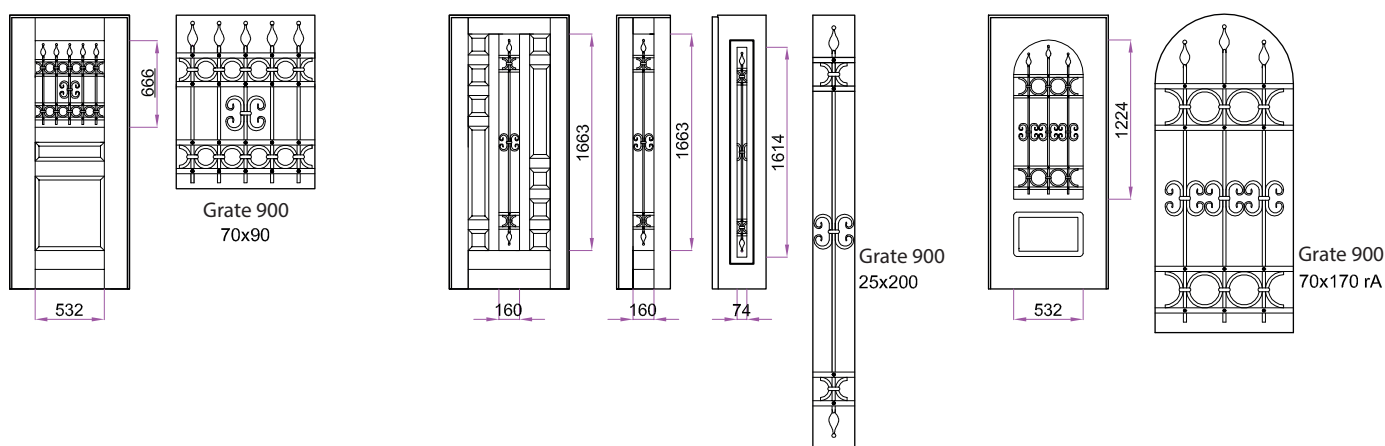
NAILED GRATE



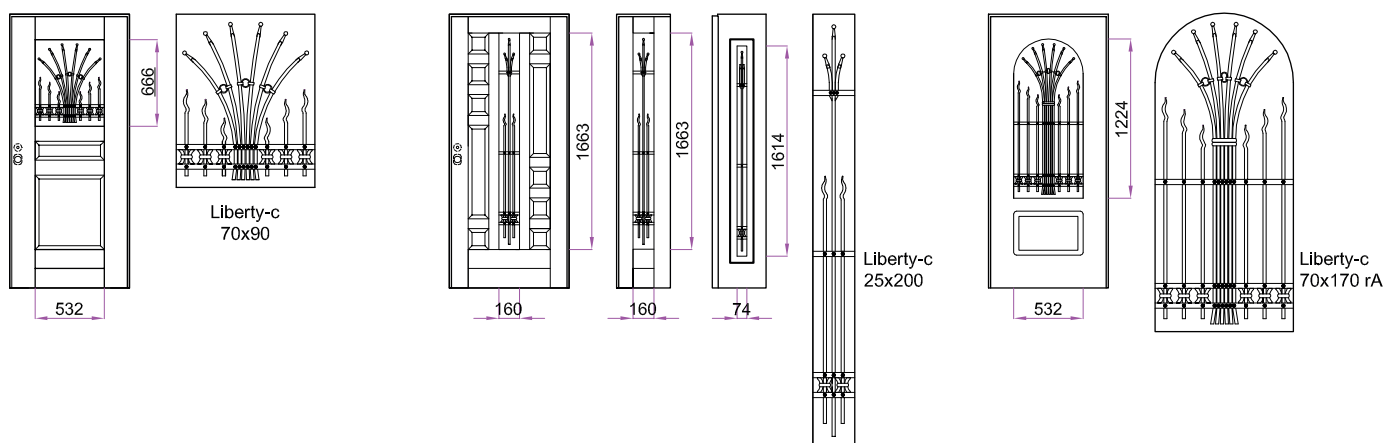
NAILED "D" GRATE



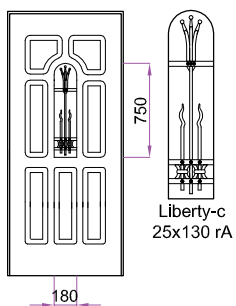
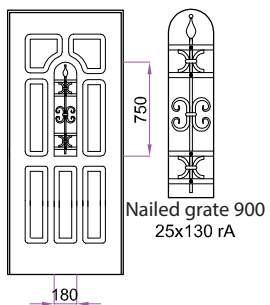
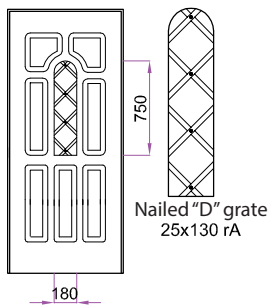
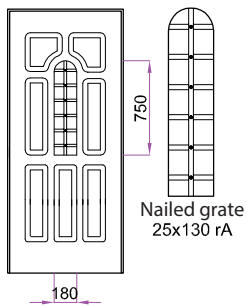
GRATE 900



LIBERTY-C



Venetian blind for glass room P50.
Feasibility measures to be mounted on Dolmen and Dolmen CS models



		TOTAL GLASS WIDTH mm											
		300	350	400	450	500	550	600	650	700	750	800	850
TOTAL GLASS HEIGHT mm	300												
	400												
	500												
	600												
	700												
	800												
	900												
	1000												
	1100												
	1200												
	1300												
	1400												
	1500												
	1600												
	1700												
	1800												
	1900												
	2000												
	2100												
	2200												
	2300												

Legend

- Packaging and orientation
- Orientation with supplied tents bundled, but once it goes down does not go back
- Only orientation with curtain provided already dropped and locked on the bottom

TECHNICAL INFORMATION AND USEFUL

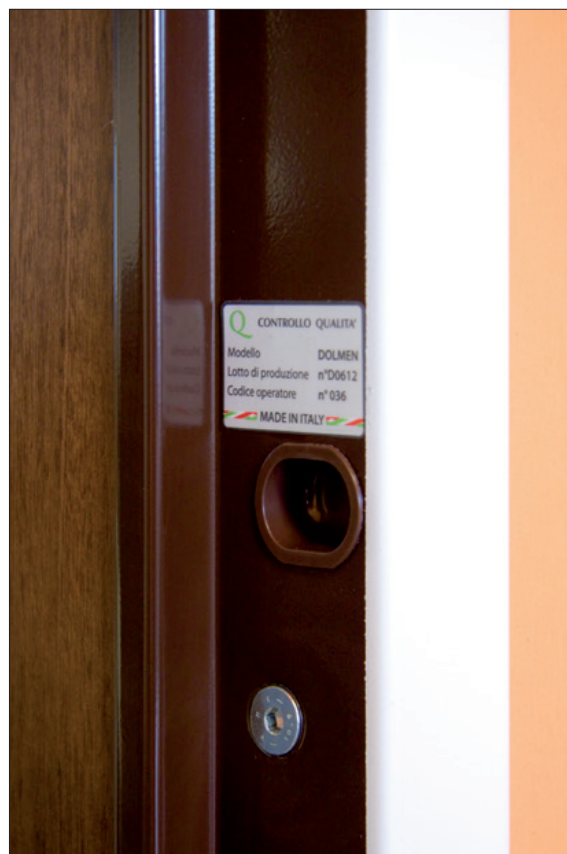
- The total glass width and height are calculated from net light window + mm14 for each side.
Example: pag 118 Auriga / KB1 L 290 + 14 + 14 x h 510 + 14 + 14 = L 318 x 538, so it is a Venetian that can be realized with packing and orientation.
- The blade color is silver
- The rope drive system, if not specified otherwise, will be mounted on the door lock side, then dx for right door, sx for left door.
- To raise the Venetian you have to pull the rope counterclockwise.

Other items

PAINTING Post and Frames



Lacquered post Ral 3031



Internal part of frame lacquered white



Internal part of frame lacquered Ral 9010 and external part of frame lacquered Ral 6005



ZINCING Frame before painting.
Electroplating greatly increases rust resistance.
Maximum dimension cm 400x240. The paintwork will be Ral 8019 painted.

ATTENTION: Plastic cover covers, burr hole, lock, diverter and braghettone rings are available in the colors: Matt Brown Head, Ral 9016 White and Ral 9006 Aluminum. If the inner side frame is required with other Ral colors, the hinge covers are supplied in conjunction with the handlebar (available in brass and Ral 9006 aluminum).

EXHIBITORS for armored doors



Sparta model, color Ral 8017
Available for all armored door sizes



Atene model, color Ral 9006
Only available for 90x210 armored doors



Storage space door
net light measures 50x100



Case for installation kit



Hinge adjuster (see instructional diagrams
pg. 247).

The installation kit includes: 1 door cassette hardware, 1 knob, 1 handle, 1 partial opening knob with pin and rosette, 1 Yale key hole covering and 1 defender, 1 peephole 50-82 (polished aluminum brass, bronze and satin chrome), 1 peephole 70-120 polished brass, 2 washers for the peephole, 2 iron frictions 100 mm, 2 110 mm, 2 120 mm, 2 iron passings 160 mm, 2 iron expansion 80 mm, 4 niplex (attach door center), 3 partial opening levers dx and 3 sx, 2 pins for partial opening., 2 small leaf floor sockets, 1 anchoring pin for partial opening 70, 1 double leaf key, 8 brown hinge cover caps, 8 brown coupling bumper caps, euro Corbin cylinder with ka Piacentini 1 50-35, 1 50-40 and 1 50-50, 1 black defender and 1 black brass, 2 internal washers defender, 20 spacers for defender, anchoring screws defender 4 6x40, 4 6x50, 4 6x60, 2 U-cylinder blockers with 2 screws 5x14, 1 tweezer for extracting the insert, 20 anchoring screws, partial opening lever and spring latch 8x20, 30 panel screws 3,5x12, 10 skylight screws 5,5x25, 30 rivets Ral 8017 3x7, 2 spring latches including washer and screw,

Special Processing

SIDE WINDOWS *

Are always present in an important entrance. They are armored fixtures designed to allow maximum light. The side windows can cover a larger space by simply adjusting the size of the glass.

DOOR WITH TWO SIDE WINDOWS



Model: *Oblò/X1*
Material: *aluminum*
Color: *Ral 7035*



DOOR WITH SIDE WINDOWS

When ordering please specify if the window should be placed on the side with the hinges or the side closest to the knob.



Model: *Pantografated to sample*
Material: *Water-repellent MDF*
Color: *Ral 6005*



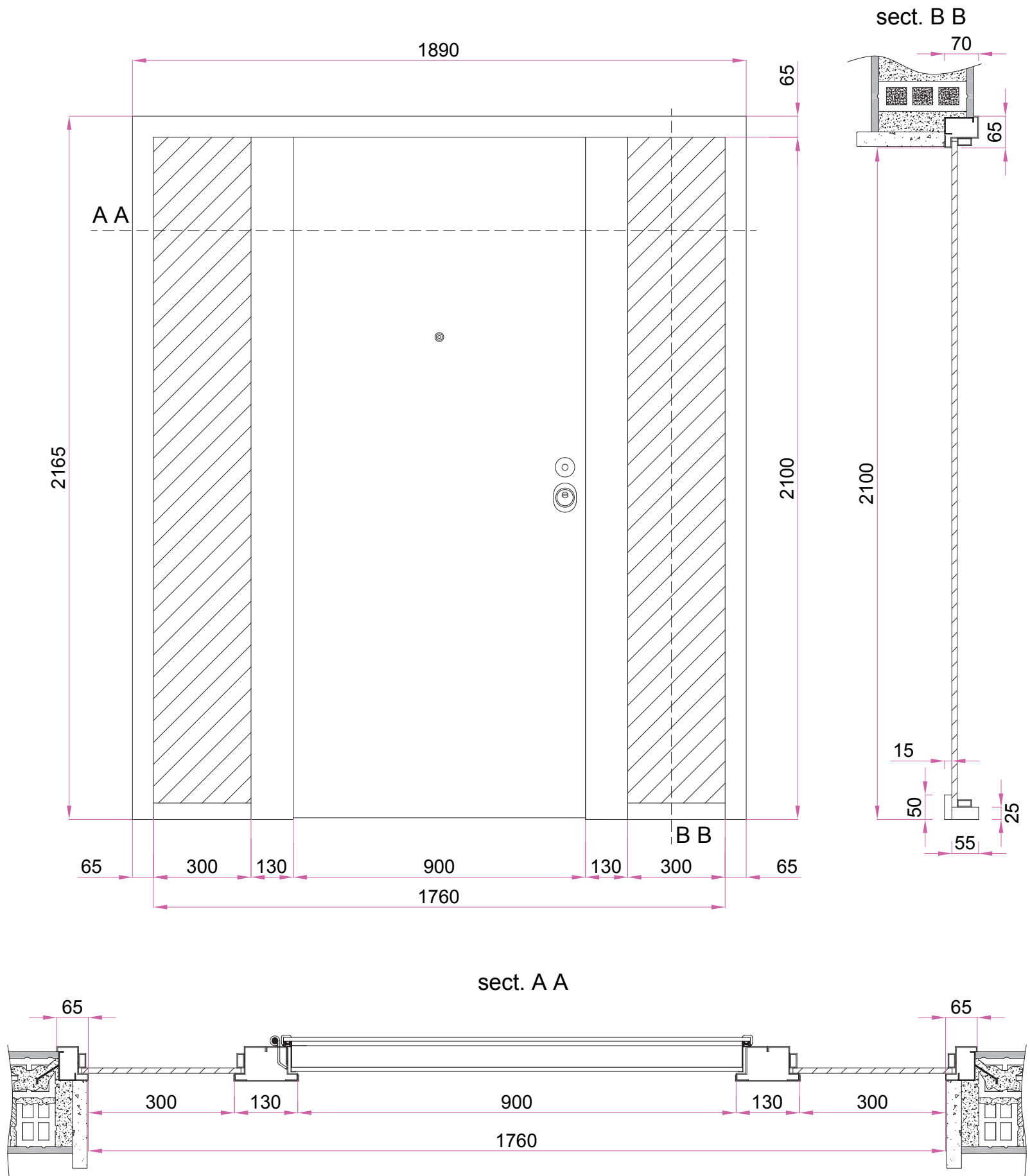
DOOR WITH TWO SIDE WINDOWS



Model: *Spiga/KG*
Material: *aluminum*
Color: *Ral 1013*



SIDE WINDOWS internal wire placement, marble finish



TECHNICAL NOTES:

Side windows are only recommended if there is a large space that needs to be occupied, otherwise it is best to go with a double-leaf door.

Examples: two sides of light, net width cm 176 cm cm 90, central upright cm 13 + 13, glass cm 30. Light side, net width cm 130 cm 90 door, center upright cm 13, glass cm 27.

The minimum suggested glass measurement is 15 cm.

Special Processing

SIDE WINDOWS and ARCHED SKYLIGHT DOOR FRAME "C"



DOOR WITH TWO SIDE WINDOWS ANGULATED* DOOR FRAME "C"

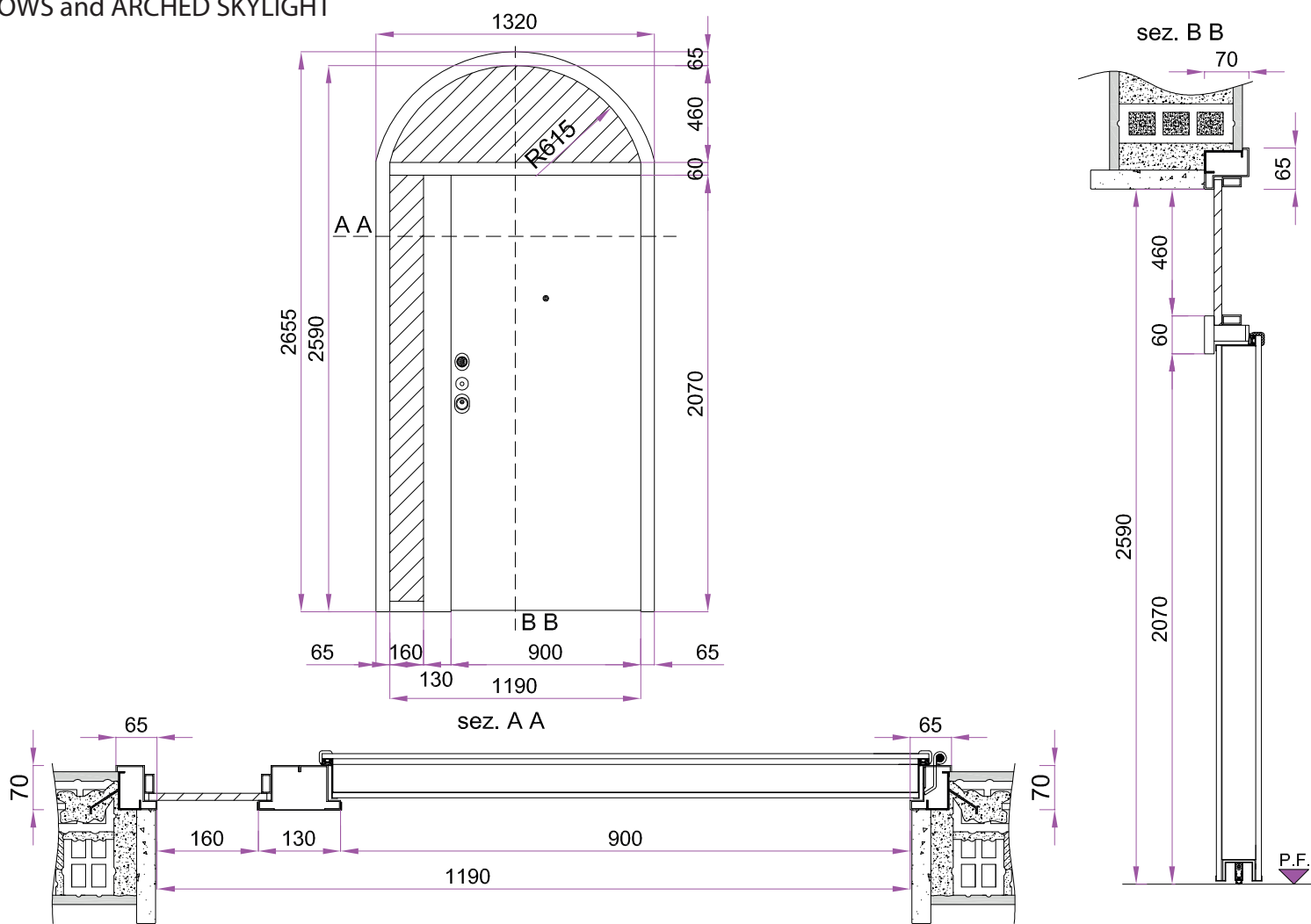
The projecting door increases the penetration of light through the light sides for greater interior lighting.



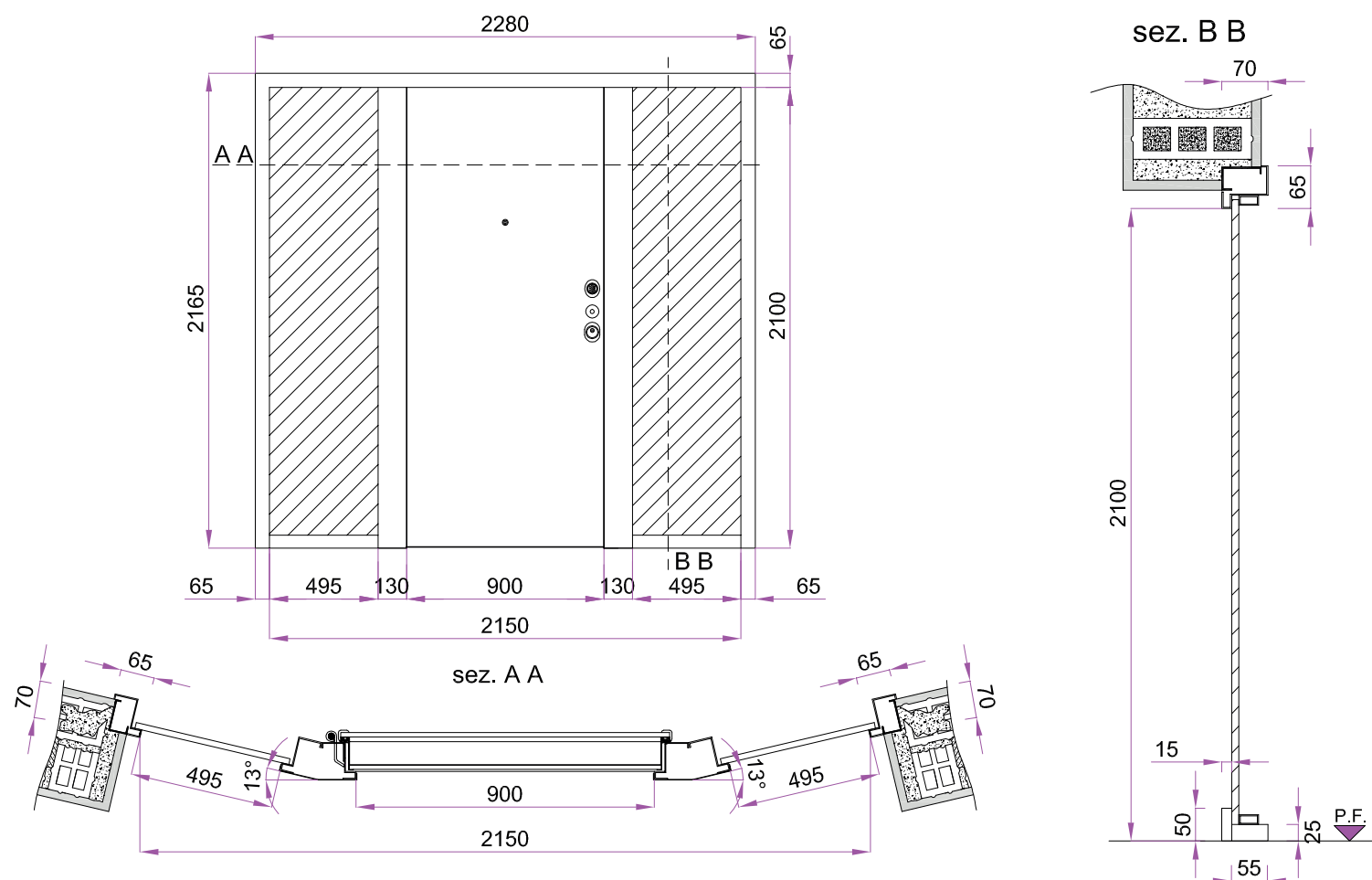
TECHNICAL INFORMATION:

- The light flush patterns illustrated in these pages can only be made with door frame "C"

SIDE WINDOWS and ARCHED SKYLIGHT



DOOR WITH TWO SIDE WINDOWS ANGULATEDI* DOOR FRAME "C"



Note: * We can make more complex compositions after feasibility check.

Special Processing

ARCHED DOOR

The arched door has its own personal charm, it normally runs as a round arch or low arch, but with special techniques we can create many different types, even the most unusual.

VARIABLE ARCH

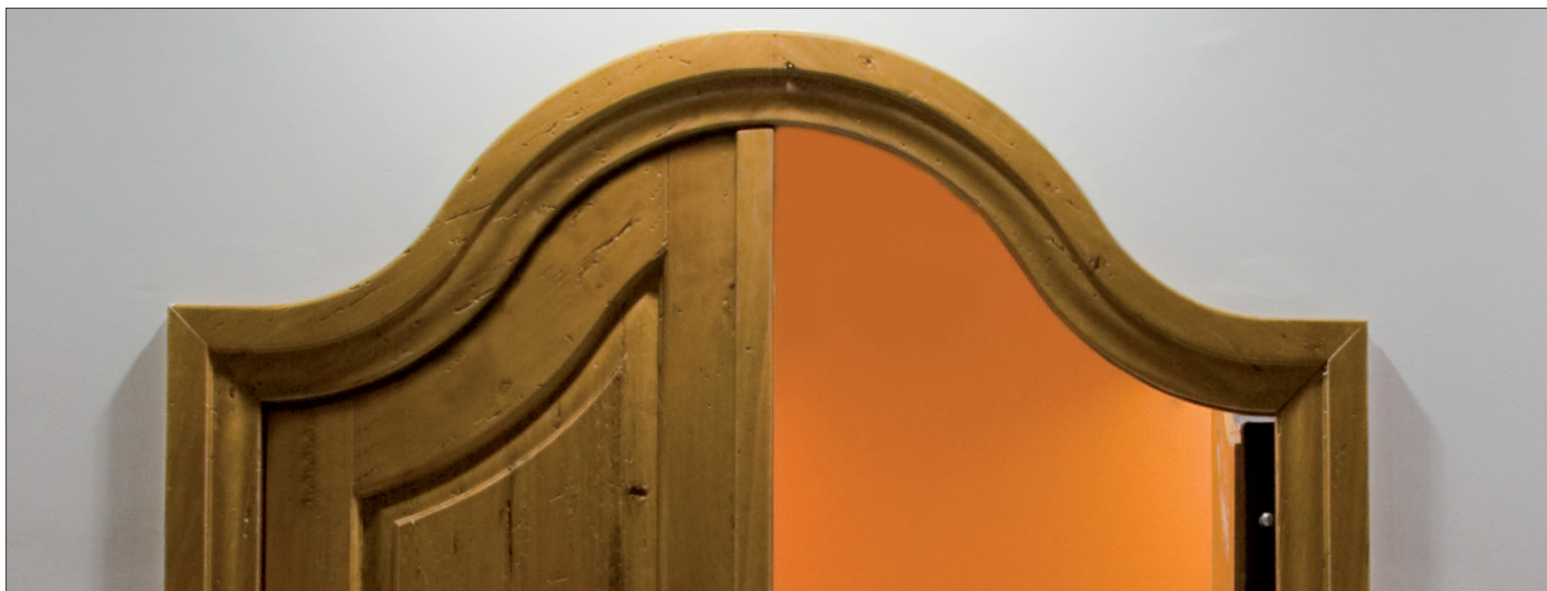


Model:
Randomly
Wood:
Old Elm
Color:
dye natural
lightly



HARDWOOD COVERING aged wood*

An aged wood panel gives the feel of an antique object. Its characteristic features are due to woodworm tracks that cannot be reproduced artificially.



Frame in detail



Old elm panel in detail, natural woodworm tracks.



Gate in detail.

NOTE: * This type of material is not always available, a quotation is necessary.
In the list you can find just the cost of the panel in the picture.

VARIABLE ARCH DOOR



exterior view

NB. The edges are joined by an arch with a 10 cm radius.

Model: *Palladio/K*
Material: *Aluminum*
Color: *Ral 3003*



ROUNDED ARCH DOOR



exterior view

Model: *Lisbona*
Wood: *Okumè*
Color: *dye medium walnut*



LOW ARCH DOOR



interior view



Door frame "C" welded in detail

TECHNICAL INFORMATION:

- The armored door arch is only available on door frame "C" (see data sheet p. 226)
- The installation of the armored door must be done with the door inserted, at least until the time of installation also with the frame.

Model: *randomly* (Rialto MAS Legno)
Wood: *Oak*
Color: *dye medium walnut*



THREE OPENABLE LEAVES



Model: *Firenze + door to sample*
Wood: *Okumè*
Color: *dye medium walnut*



PULL DOORS

This type of armored door has no third party certification.

Its special feature is that it anti-burglary from the hinge side.



exterior view



interior view

INVERTING THE SKYLIGHT FOR A PULL DOOR

Its special feature is that it is fixed from the side without hinges. The side which you pull is placed on the inside of the house.



exterior view



interior view

Special Processing

SKYLIGHT rectangular with openable flaps
not recommended for an opening higher than 40 cm.



exterior view



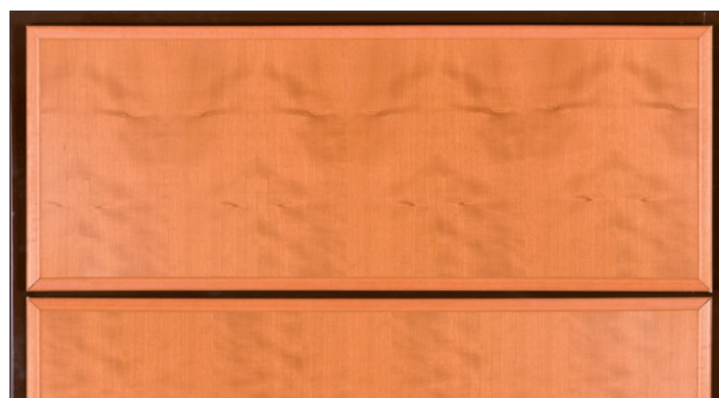
interior view

SKYLIGHT WITH LITTLE DOOR

The buffering of the skylight is made with the same structure of the door so as to obtain an equal uniformity.



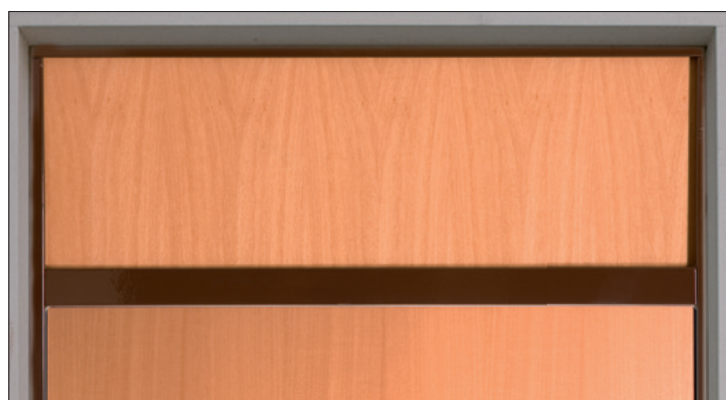
exterior view



interior view

SKYLIGHT WITH GLAZING BEAD n°2 panels 7 mm + sheet 2 mm

The darkening of the skylight is obtained as described above. Everything is held by the same chassis used for the glass.



exterior view



interior view

OBLIQUE DOOR



interior view
Maximum height difference between
corners 30-35 cm

DOUBLE LEAF WITH HINGE ON SMALLER LEAF



interior view
Leaf opens max 130°



Producing a side window

Special Processing

DOORS A PROJECT

Armored doors designed to meet the needs of our customers.

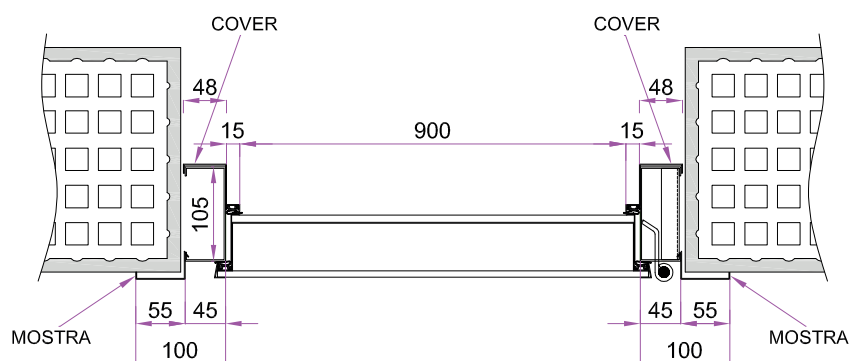
No products presented on these pages correspond to an item on the list, they serve to show our determination to follow up on your requests.

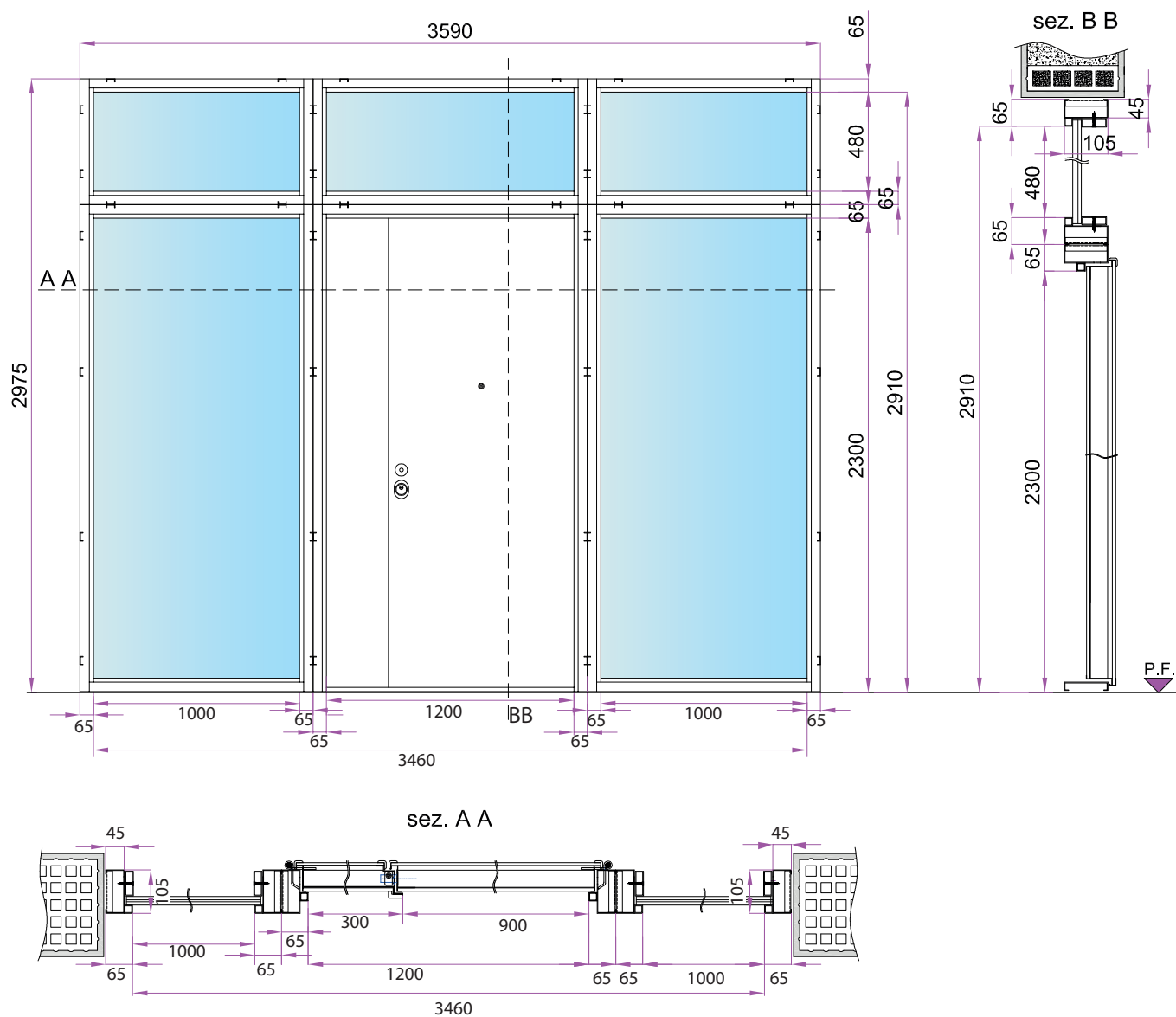


Personalized Project for export in China.
Special features: aluminum display that combines fingerprint reader and numeric keypad assembly.



Personalized Project for export to Russia.
Special features: U-shaped frame 105x45 cm, which is fixed directly to the wall, complete with a steel finish, both inside and outside.





A project designed to close a very large compartment developed for our customer. The infeed is made up of 6 modules that are coupled to the site with a retractable assembly system. The peculiarity is the frame that fits armored door frame in the door compartment and glass housing frame in the glazed part.



Thanks to the modern business technologies and the high professionalism of our employees, we are able to realize, within the limits of technical feasibility, any project port. Within the test parameters all doors can enjoy product certification.

Shipping and Handling

PACKAGING is the final step of our job, and we dedicate much attention to this step until the product arrives to you safe and sound. Over the years we have improved our various methods of packaging and making pallets according to the value of the door and how it is transported.



CARDBOARD PACKAGING for standard doors for when we deliver it or it is picked up by the customer.



CARDBOARD + NYLON PACKAGING for standard doors (smooth door or without covering) delivered by a courier.



PACKING 1 CARDBOARD + 2 caps *Vulcano* for out of doors transport carried out directly by us or withdrawn by the customer.



PACKING 1+1/2 CARDBOARD + 2 caps *Vulcano* for out of door (smooth door or without covering) delivered by a courier.



PACKING 2 CARDBOARDS + 2 caps *Vulcano* for standard and out of door (door with particular prestige coating) delivered by a courier.



COMPOSITION PALLETS for delivery to various customers. We give each customer a platform so as to avoid carrying by hand. Max 8 doors.



COMPOSITION PALLET (doors with cardboard) for delivery to a single customer, max optimization; 8 doors + 7 doors + 15 door frames. Total weight 1,4 tons ; package 110x220xh240 cm.



COMPOSITION PALLET (doors without coverings, without cardboard) for delivery to a single customer, max optimization; 8 doors + 7 doors + 15 door frames.



COMPOSITION PALLET *pallets to be returned* (doors without coverings, without cardboard) for delivery to a single customer, max optimization, 11 doors + 11 doors. Its possible to place up to 4 pallets one on top of the other. Idimensions 120x220xh114 cm total weight with 11 doors without covering 0,50 tons.



VERTICAL COMPOSITION PALLETS
11 covered doors total weight 0,90 tons
dimensions 120x106xh238 cm;
20 door frames total weight 0,30 tons
dimensions 120x105xh233 cm.

DELIVERY

is entrusted exclusively to couriers with trucks that load the products from our warehouse and deliver them directly to you without stopping at other warehouses, as is often done by other couriers.

USEFUL INFORMATION:

an armored door 90x210 coated smooth-smooth full frame with cardboard packing box weighs 80 Kg; a door frame weighs 11 Kg.

BILICO TRUCK, available space L245xh240xP1360 cm.

MOTRICE TRUCK, available space L245xh240xP920 cm.

CONTAINER 20 feet internal measures L235xh239xP590 cm measure L234xh228 door.

CONTAINER 40 feet internal measures L235xh239xP1200 cm measure L234xh228 door.

CONTAINER HC 40 feet internal measures L235xh269xP1200 cm measure L234xh258 door.



**PACKING DOOR FRAME
DISASSEMBLED**
Weights kg 12
Dimensions cm 11x8,5 h 220.



PACKING FRAME DISASSEMBLED
Weights kg 15
Dimensions cm 12,5x8,5 h 220



Technical details

DOOR FRAMES *Types, Placement, Wall finish and Anchoring.*

Type	Disassembled *	Combinations	Pg. drawing	Opening degrees	Placement		Wall finish			Anchoring			%
					Flush to int. wall	Center	Plaster	Trim	Marble/granite	Cemented frame pins	Welding pins	direct screws or pressure screws	
"A"	yes	A	268	105°	yes	no	yes	yes	yes	yes	no	no	5%
	yes	A1	269	105°	yes	no	yes	no	no	yes	no	no	<1%
	yes	Ar	270	105°	yes	no	yes	yes	yes	yes	no	no	<1%
	yes	A1r	270	105°	yes	no	yes	no	no	yes	no	no	<1%
"B"	yes	B	230	180°	yes	yes	yes	yes	yes	yes	no	no	70%
	yes	B1	232	180°	yes	yes	yes	no	no	yes	no	no	10%
	yes	Br	233	180°	yes	yes	yes	yes	yes	yes	no	no	<1%
	yes	B1r	234	180°	yes	yes	yes	no	no	yes	no	no	<1%
	yes	BM	235	135°	yes	no	yes	yes	yes	yes	no	no	4%
	yes	B1M	236	135°	yes	no	yes	no	no	yes	no	no	<1%
	yes	BMr	236	135°	yes	no	yes	yes	yes	yes	no	no	<1%
	yes	B1Mr	237	135°	yes	no	yes	no	no	yes	no	no	<1%
"C"	no	C	239	135°	yes	yes	yes	yes	yes	yes	yes	yes	5%
	no	Cz	240	180°	yes	no	yes	yes	yes	no	no	yes	<1%
	yes	Cz48	241	180°	yes	no	yes	yes	yes	no	no	yes	<1%
	no	Cr	241	135°	yes	yes	yes	yes	yes	yes	yes	yes	<1%
	no	Czr	241	180°	yes	no	yes	yes	yes	no	no	yes	<1%

LEGEND:

1 = the cassamatta has a reference to pull the plaster of the net light.

M = predisposition to mount the exhibition inside.

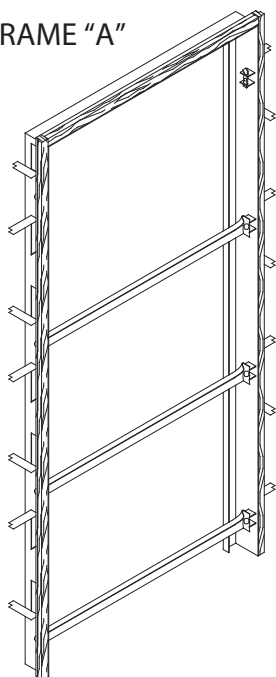
r = door frame reduced thickness.

z = preparation for mounting the door on the edge of the inner wall.

yes = can be done.

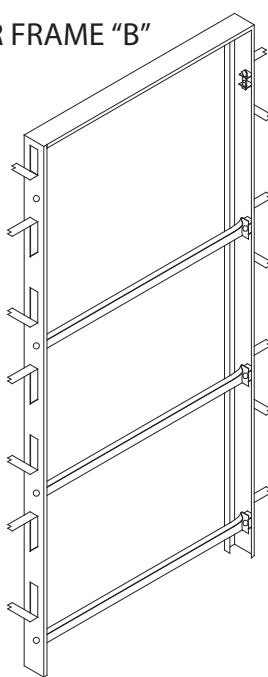
no = not recommended.

DOOR FRAME "A"



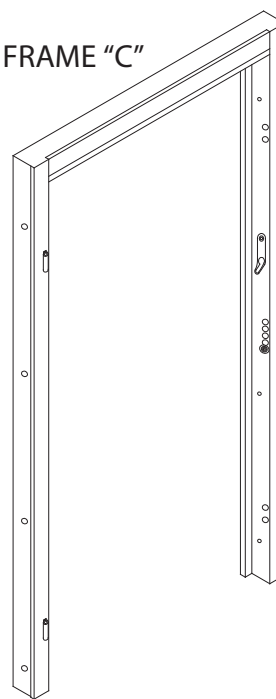
It is used exclusively for armored doors with hidden hinges

DOOR FRAME "B"



The typical door frame for armored doors

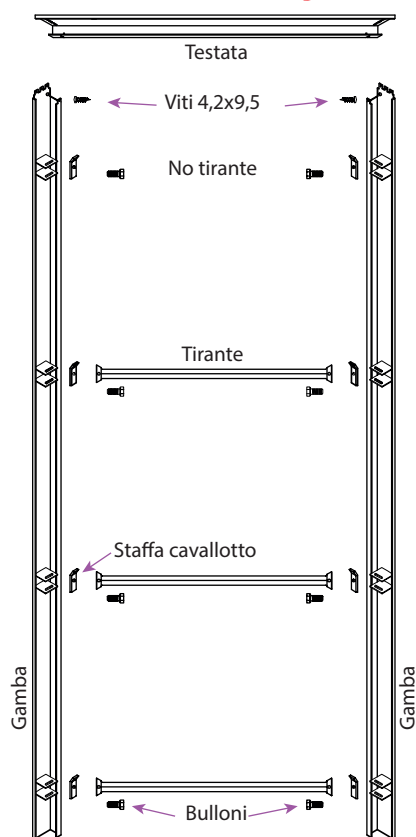
DOOR FRAME "C"



It is a door frame already welded to the chassis. Together they have a notable rigidity

ASSEMBLY DOOR FRAME Type "B" - "A"

**NEW
ARTICLE**



EQUIPMENT:
 N°2 legs
 N°1 head
 N°3 ties
 N°8 stirrups cavallotti 15X5
 N°8 bolts TE 8X18
 N°2 screw TC 4,2X9,5

Equipment needed (not included):
 - gloves protection
 - hammer from 400g
 - philip's head screwdriver 2
 - key of 13



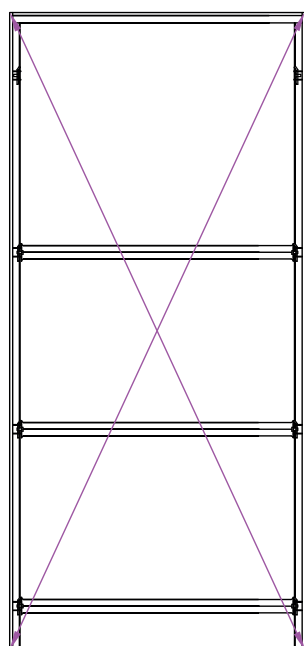
Detail assembly corner



Detail cavallotto ant tie

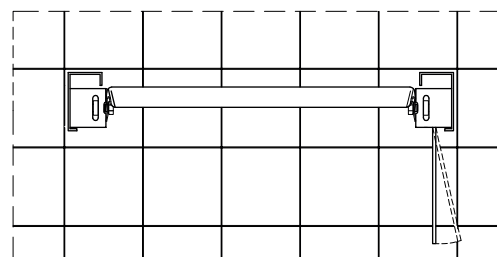


Detail bracket, only door frame series "B" and "A" more light net 90x210



DIAGONALS EQUAL

- Put down the door frame assembled and control the diagonals. If the measures are the same ok, if the measures are different to make a counter pressure to a greater extent and recheck.
 It's a tolerable of 4 mm measure diversity.



RECOMMENDATIONS:

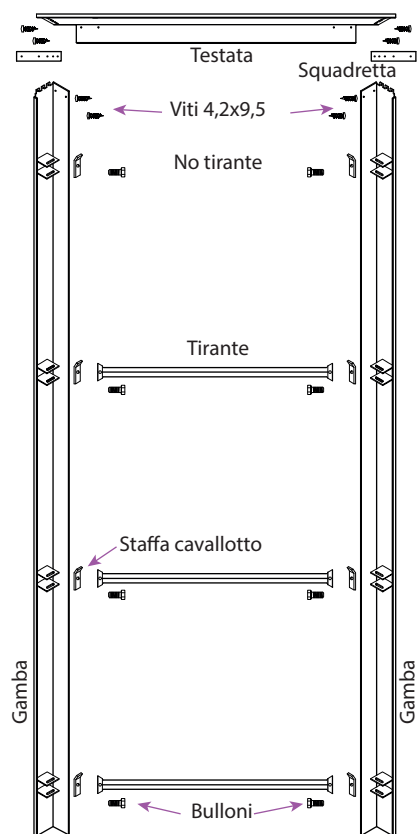
PARALLELISM

-After you have assembled the door frame control the parallelism of the legs also the eye. If there is an obvious difference enter a lever in the cavallotto and put in parallel legs.

Technical details

ASSEMBLY DOOR FRAME Type "B1" - "A1"

**NEW
ARTICLE**



EQUIPMENT:

N°2 legs
N°1 head
N°3 ties
N°8 stirrups cavallotti 15X5
N°8 bolts TE 8X18
N°2 screw TC 4,2X9,5

Equipment needed

(not included):

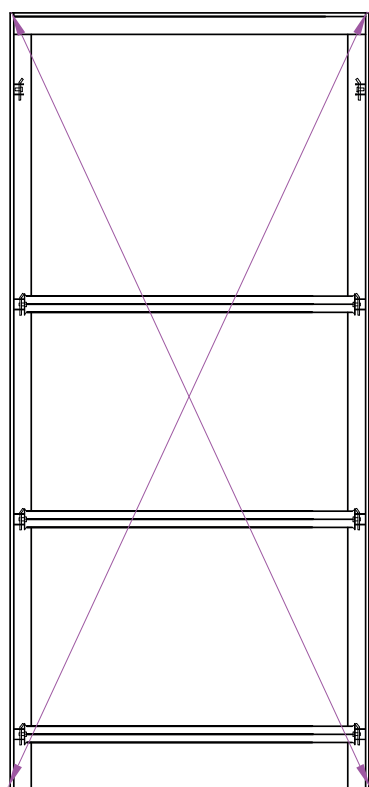
- gloves protection
- hammer from 400g
- philip's head screwdriver 2
- key of 13



Detail assembly corner



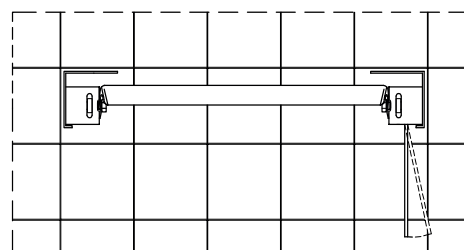
Detail cavallotto ant tie



DIAGONALS EQUAL

- Put down the door frame assembled and control the diagonals. If the measures are the same ok, if the measures are different to make a counter pressure to a greater extent and recheck.

It's a tolerable of 4 mm measure diversity.



RECOMMENDATIONS:

PARALLELISM

-After you have assembled the door frame control the parallelism of the legs also the eye. If there is an obvious difference enter a lever in the cavallotto and put in parallel legs.

MOUNTING DOOR FRAME

In order to mount the door frame, it is first necessary to measure and be sure that there is enough space for it to fit.

Example:

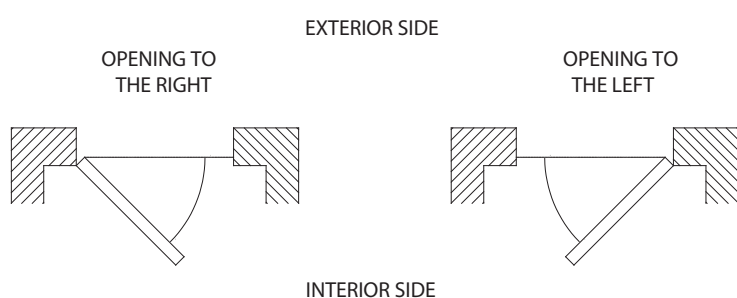
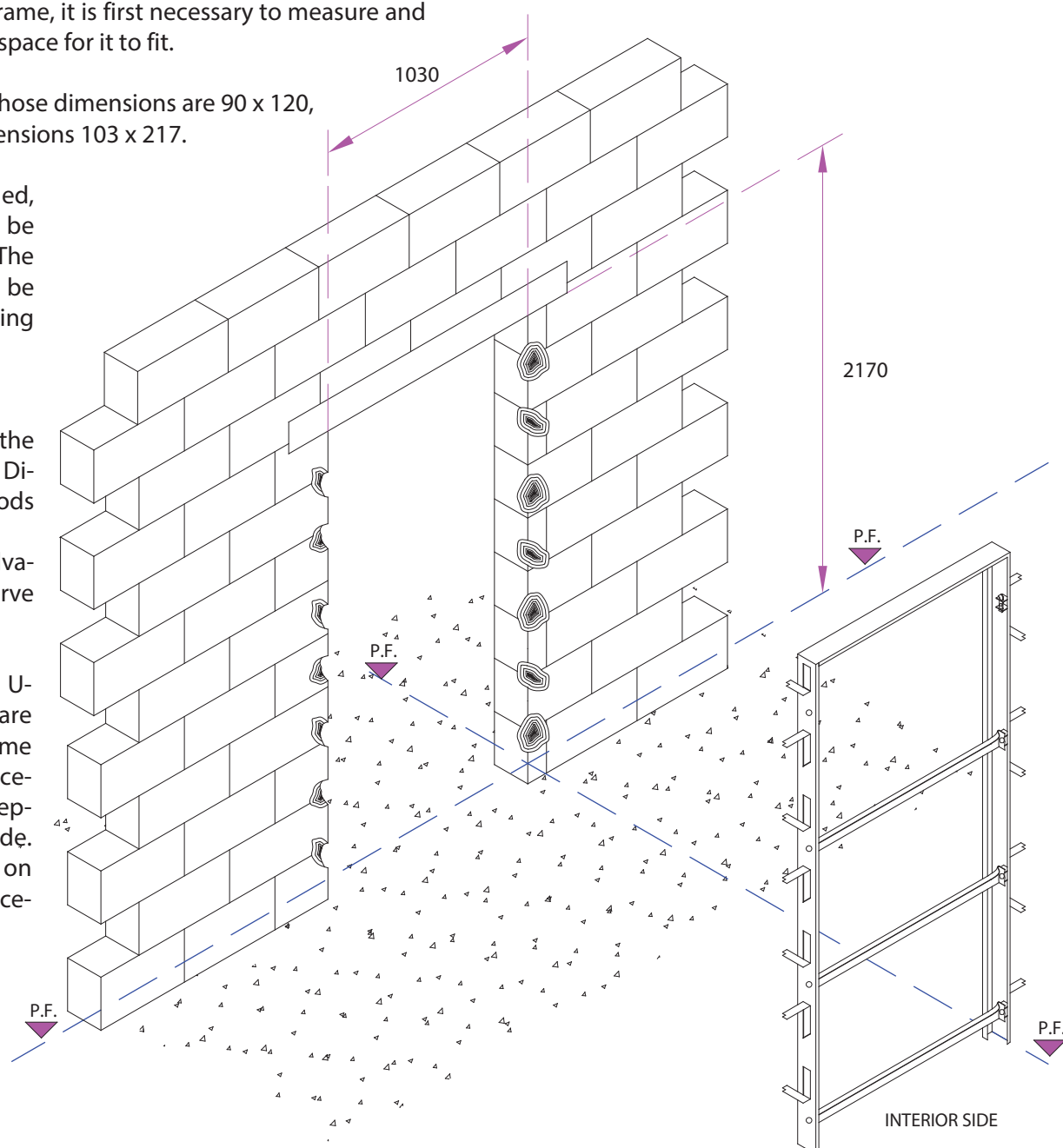
in order to fit a door frame whose dimensions are 90 x 120, the bare wall must have dimensions 103 x 217.

All clamps must be opened, then the door frame can be moved closer to the wall. The points of insertion must then be marked before the cementing can begin.

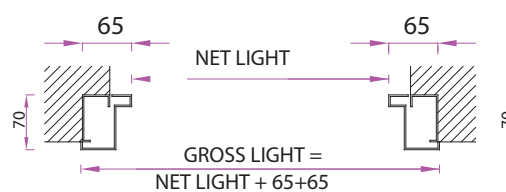
Attention:

- Position the door frame on the Finished Floor (pavement). Disassemble the cementing rods (after 24 hours).
- Do not throw away the galvanized U-brackets, they will serve to anchor the frame.

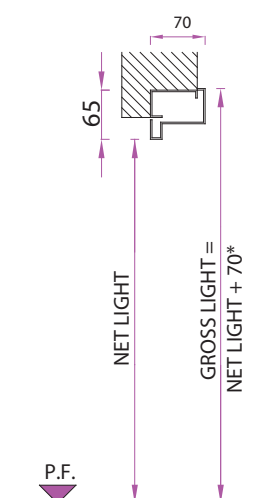
Note: the door frame has 7 U-brackets on each side, these are more than enough. If, for some reason, it is not possible to cement all U-brackets it is acceptable to cement only 4 per side. Attention: the first U-bracket on the bottom must always be cemented.



STANDARD MEASUREMENTS FOR DOLMEN MODEL ARMORED DOORS			
	WIDTH x HEIGHT	WIDTH x HEIGHT	WIDTH x HEIGHT
NET LIGHT	800 x 2100	850 x 2100	900 x 2100
GROSS LIGHT	930 x 2170	980 x 2170	1030 x 2170



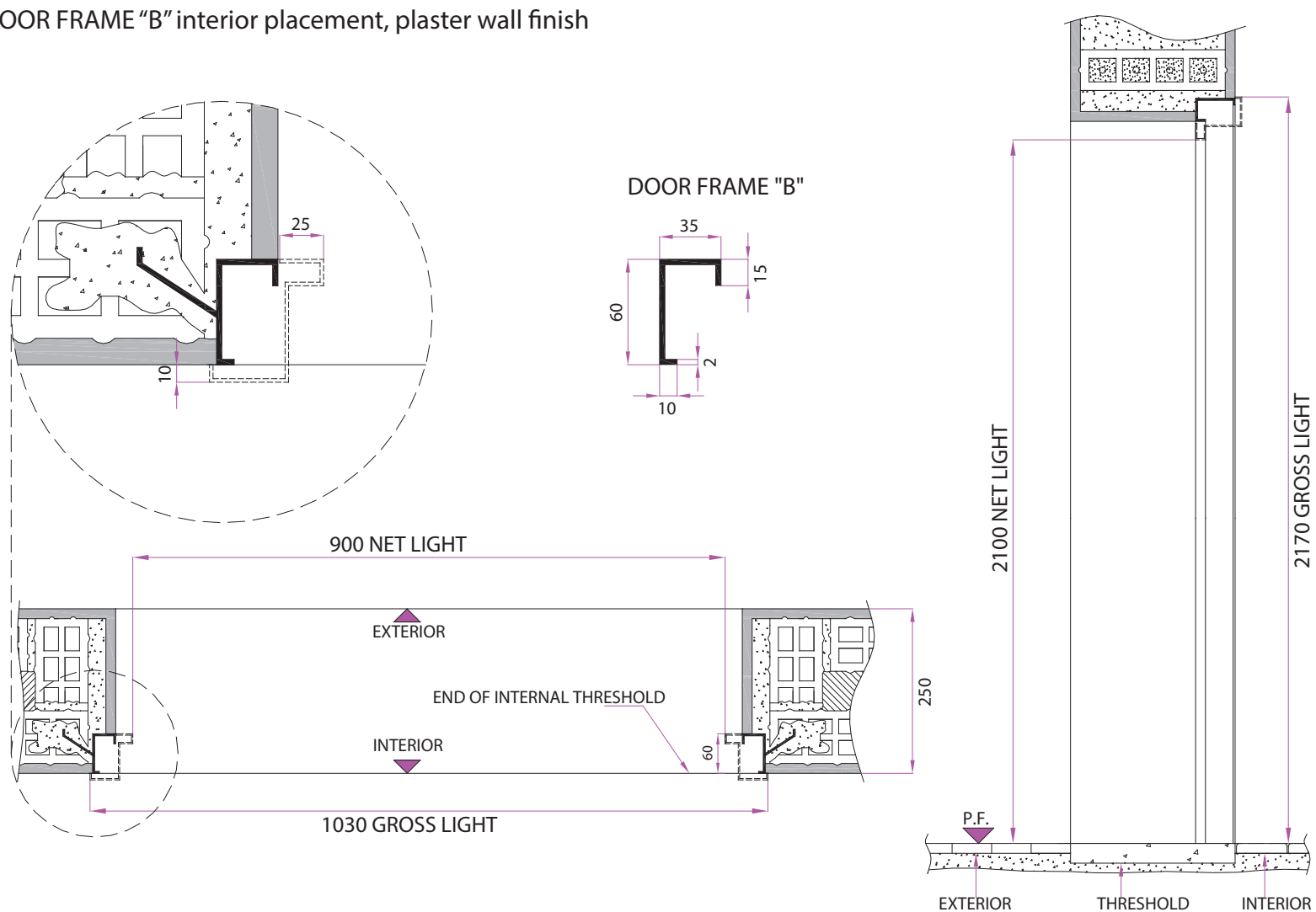
P.F. = FINISHED FLOOR



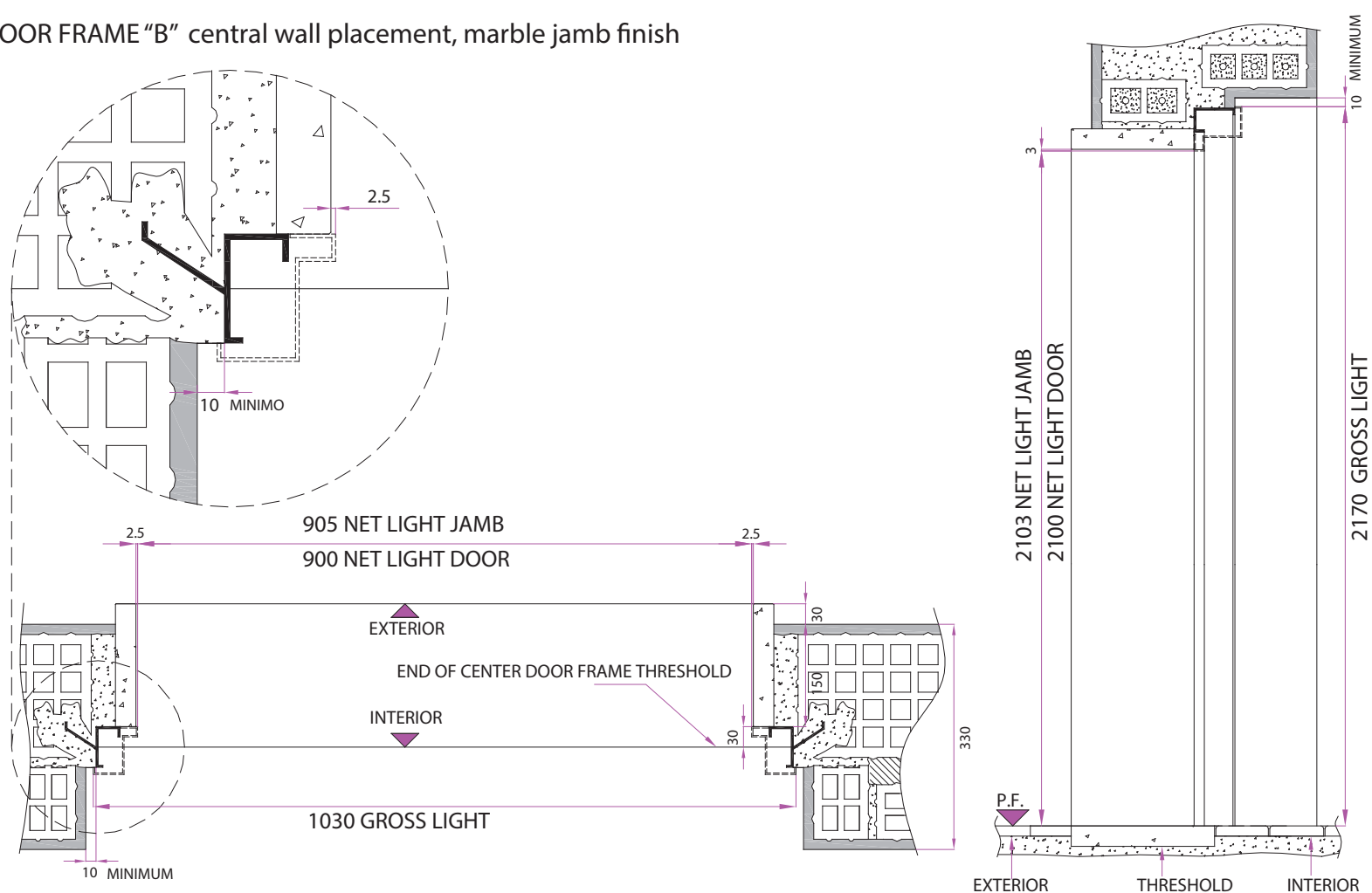
NOTE: * We calculate 65 mm of actual space taken up + 5 mm of rounding.

Technical details

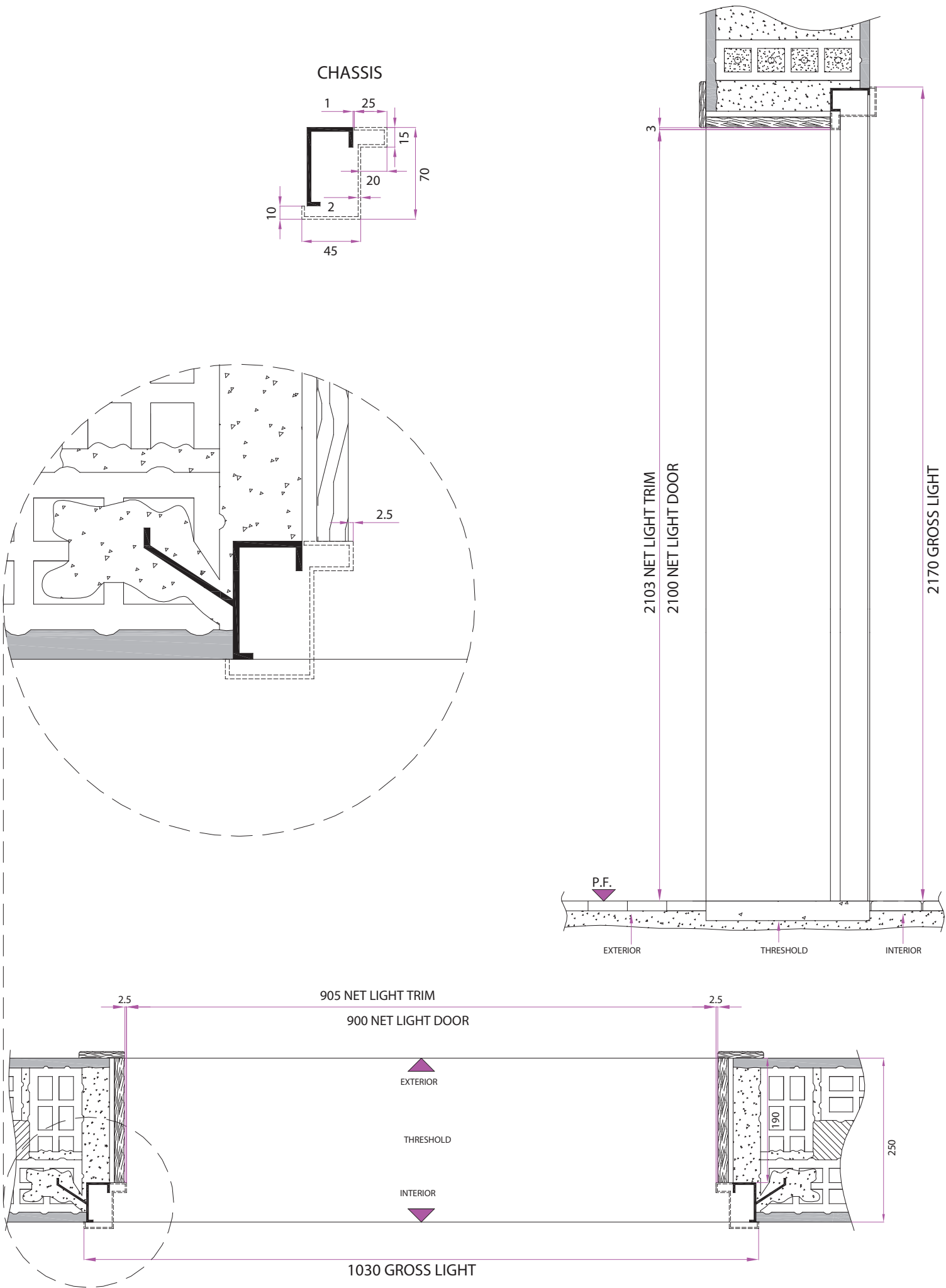
DOOR FRAME "B" interior placement, plaster wall finish



DOOR FRAME "B" central wall placement, marble jamb finish

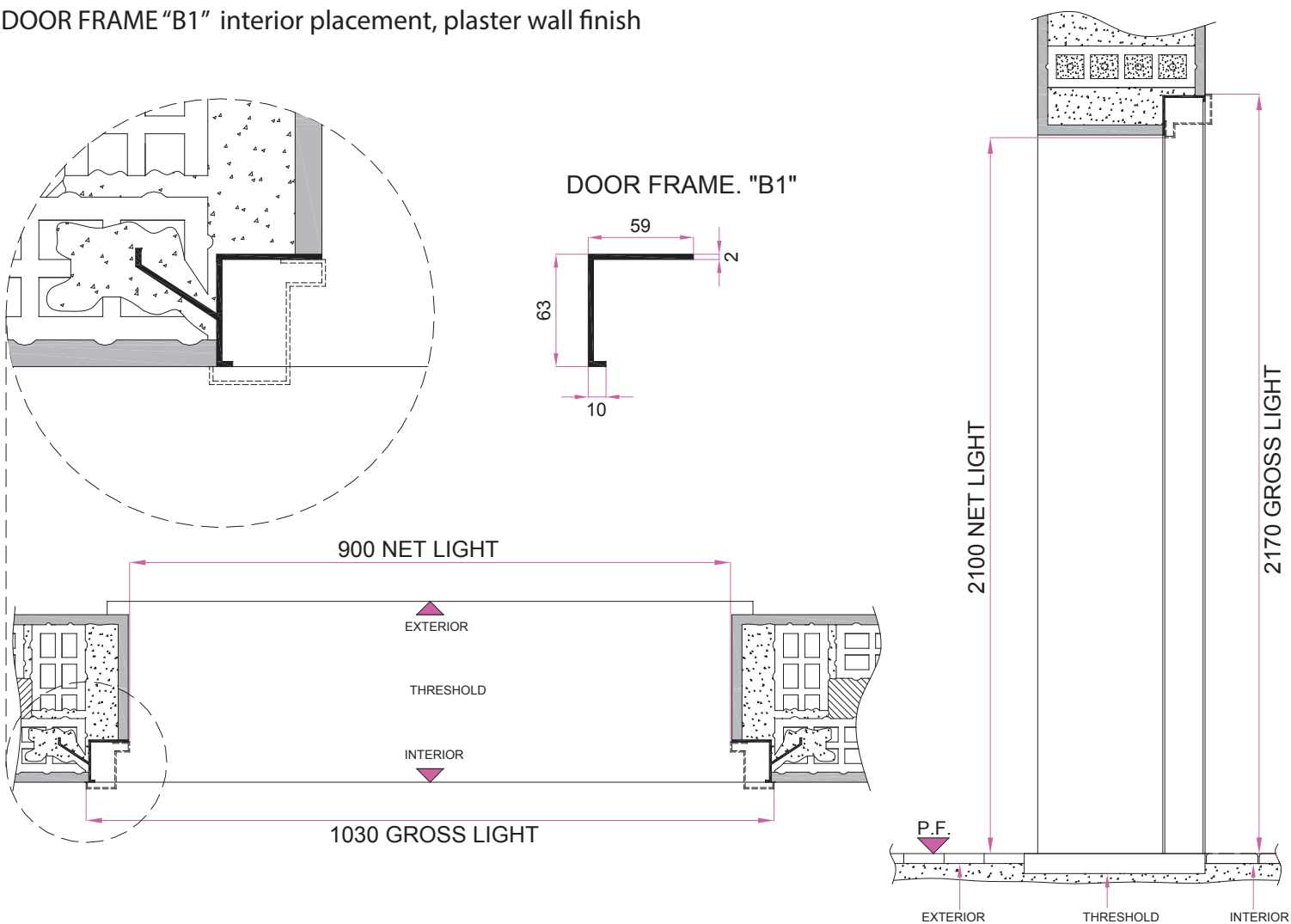


DOOR FRAME "B" interior placement, wall finished with wooden trim

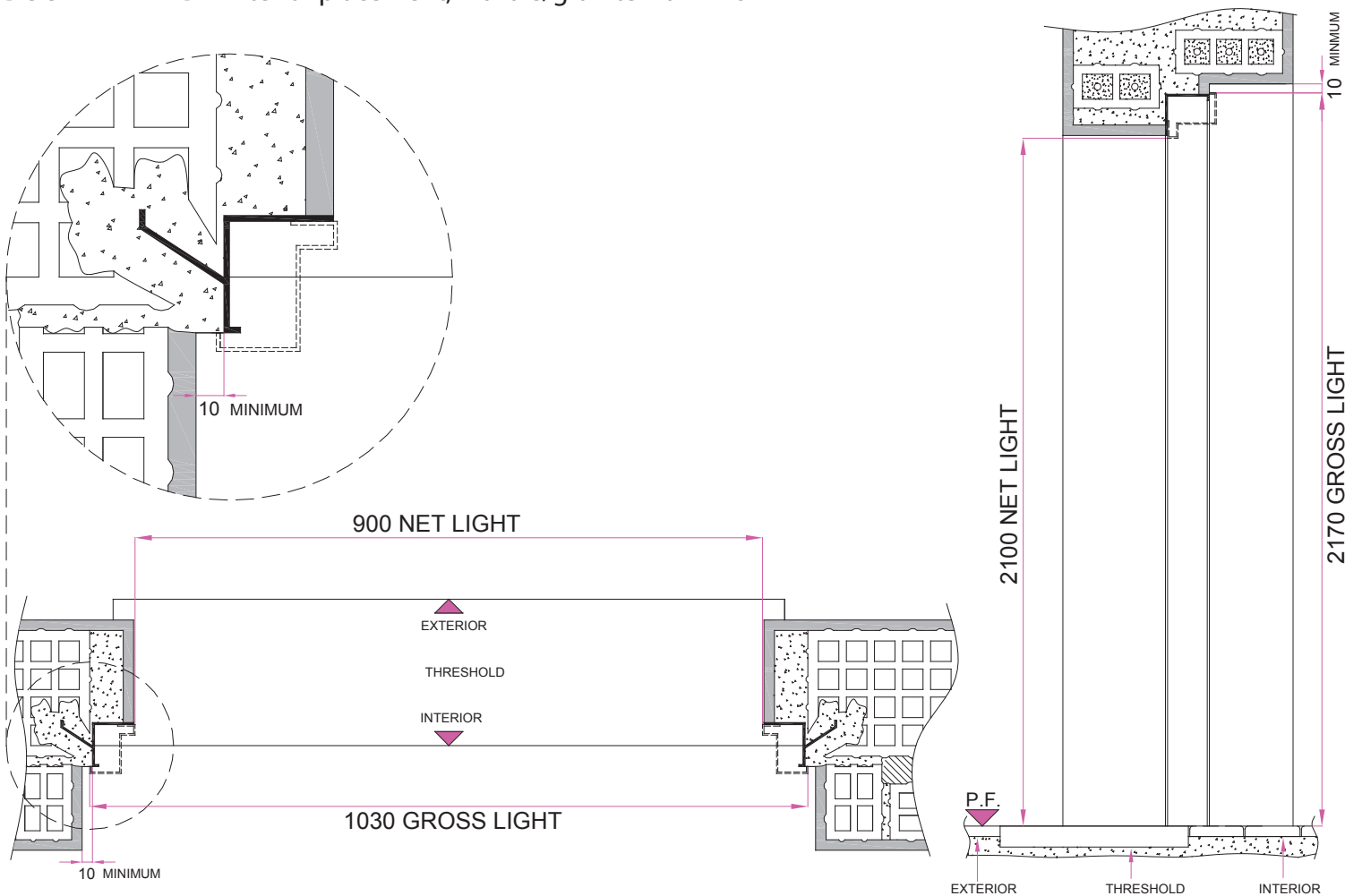


Technical details

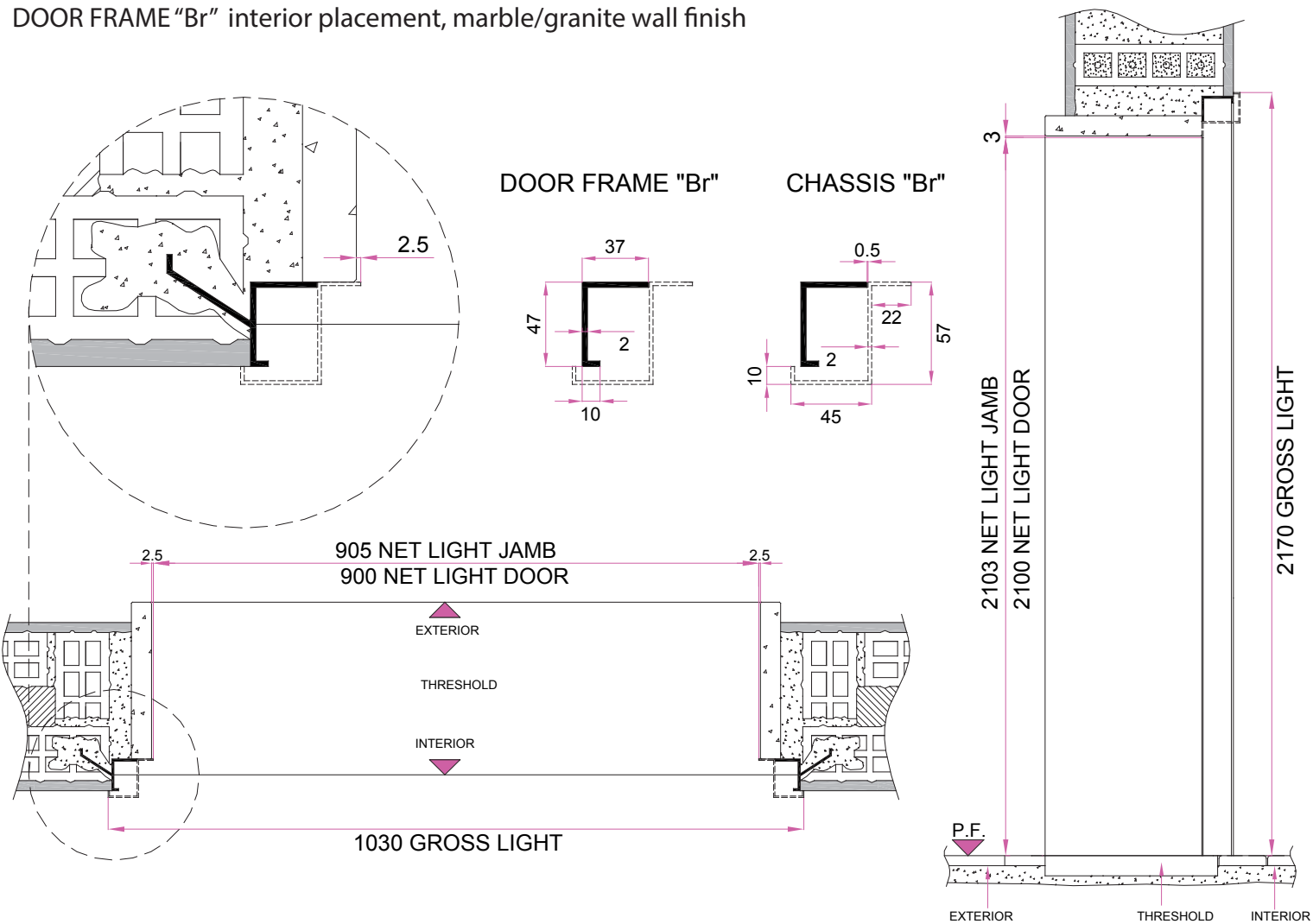
DOOR FRAME "B1" interior placement, plaster wall finish



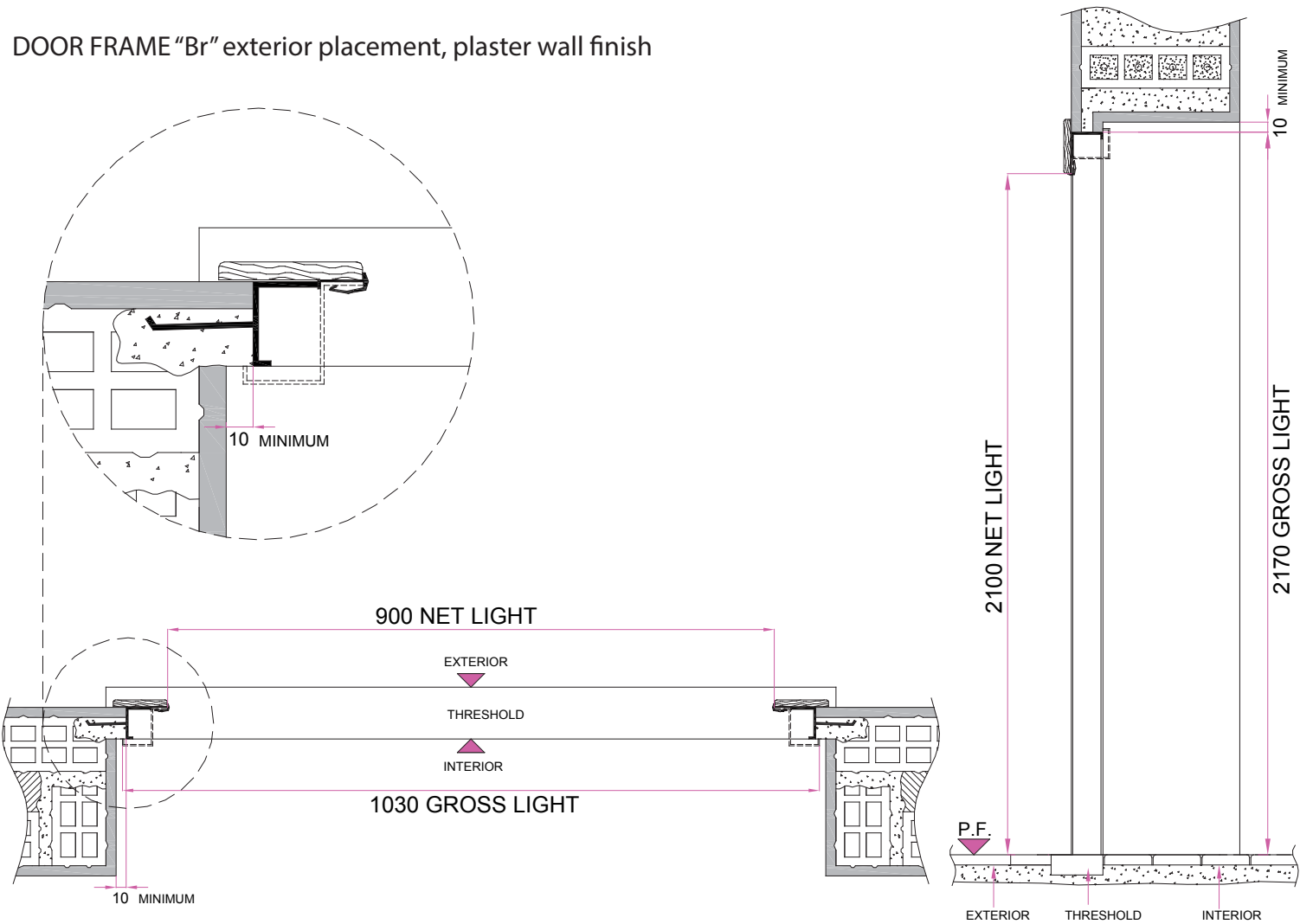
DOOR FRAME "B1" interior placement, marble/granite wall finish



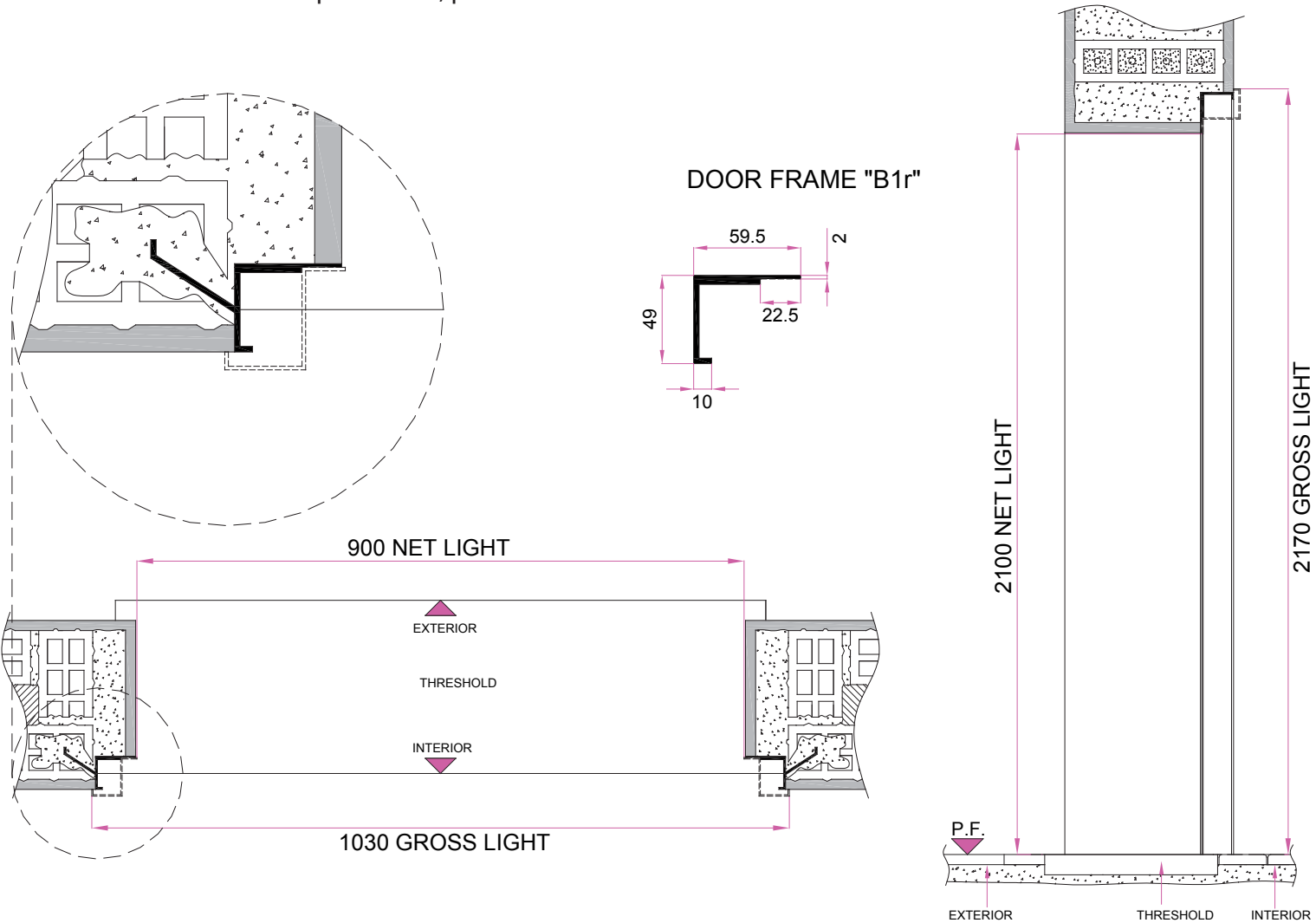
DOOR FRAME "Br" interior placement, marble/granite wall finish



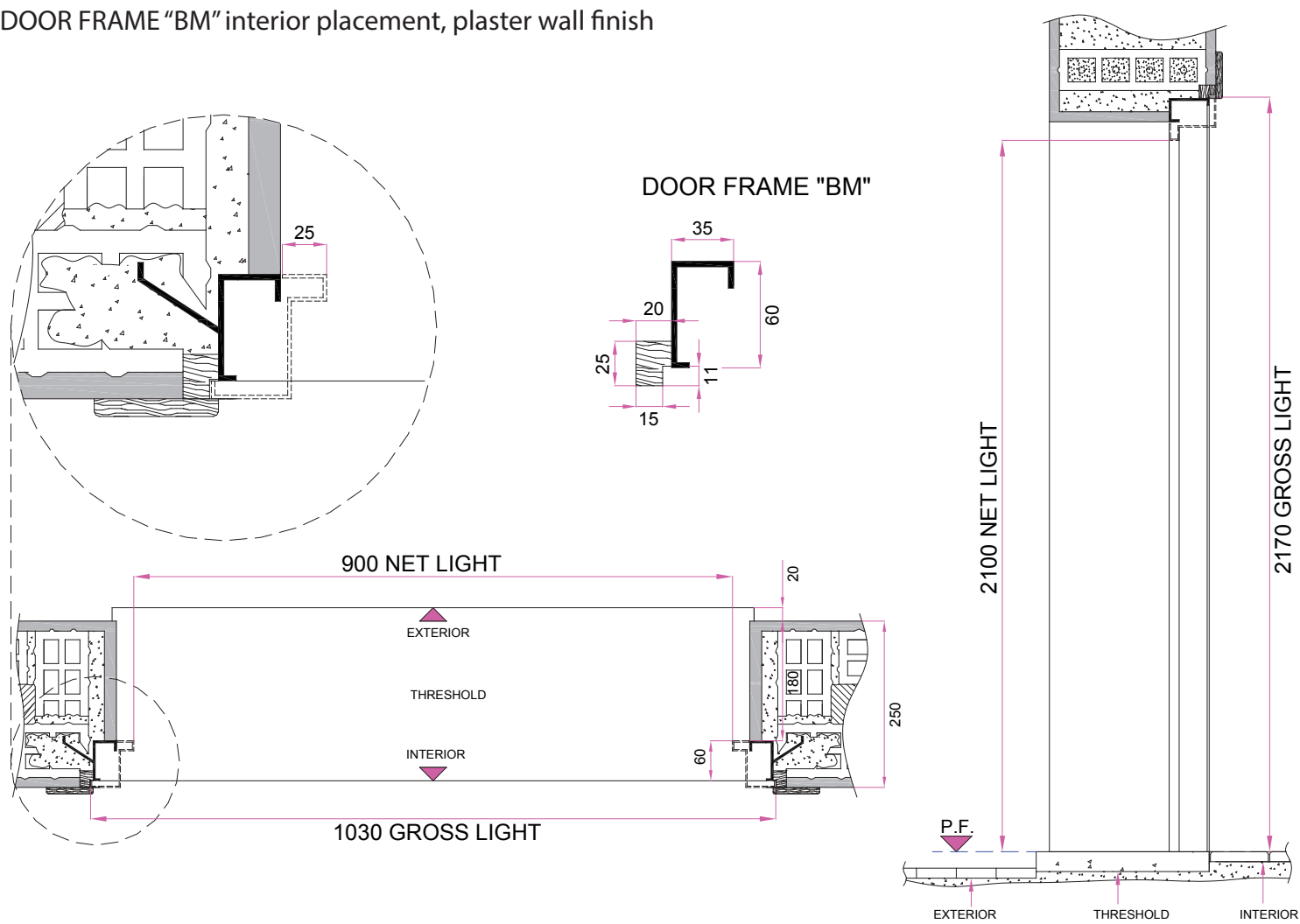
DOOR FRAME "Br" exterior placement, plaster wall finish



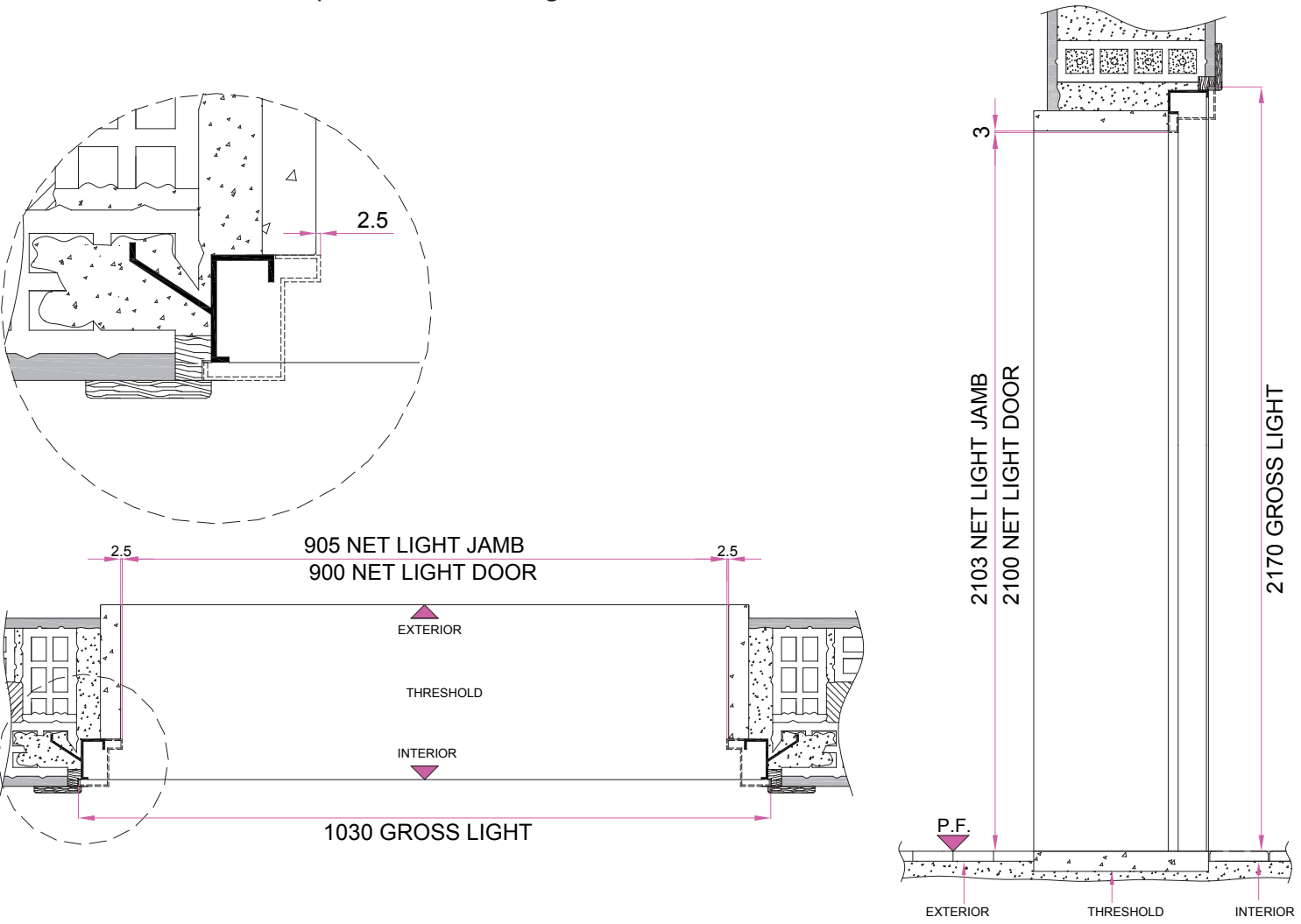
DOOR FRAME "B1r" interior placement, plaster wall finish



DOOR FRAME "BM" interior placement, plaster wall finish

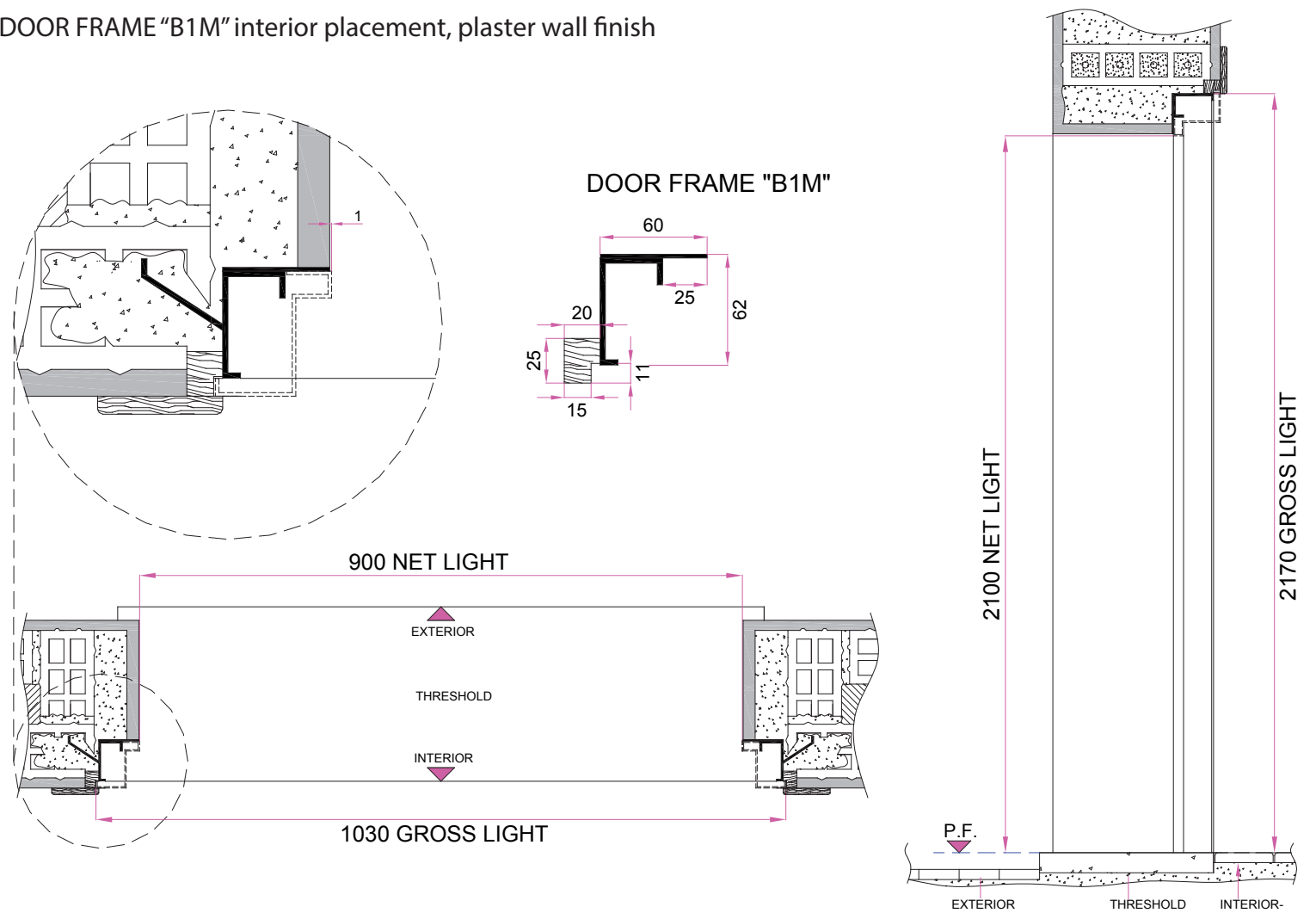


DOOR FRAME "BM" interior placement, marble/granite wall finish

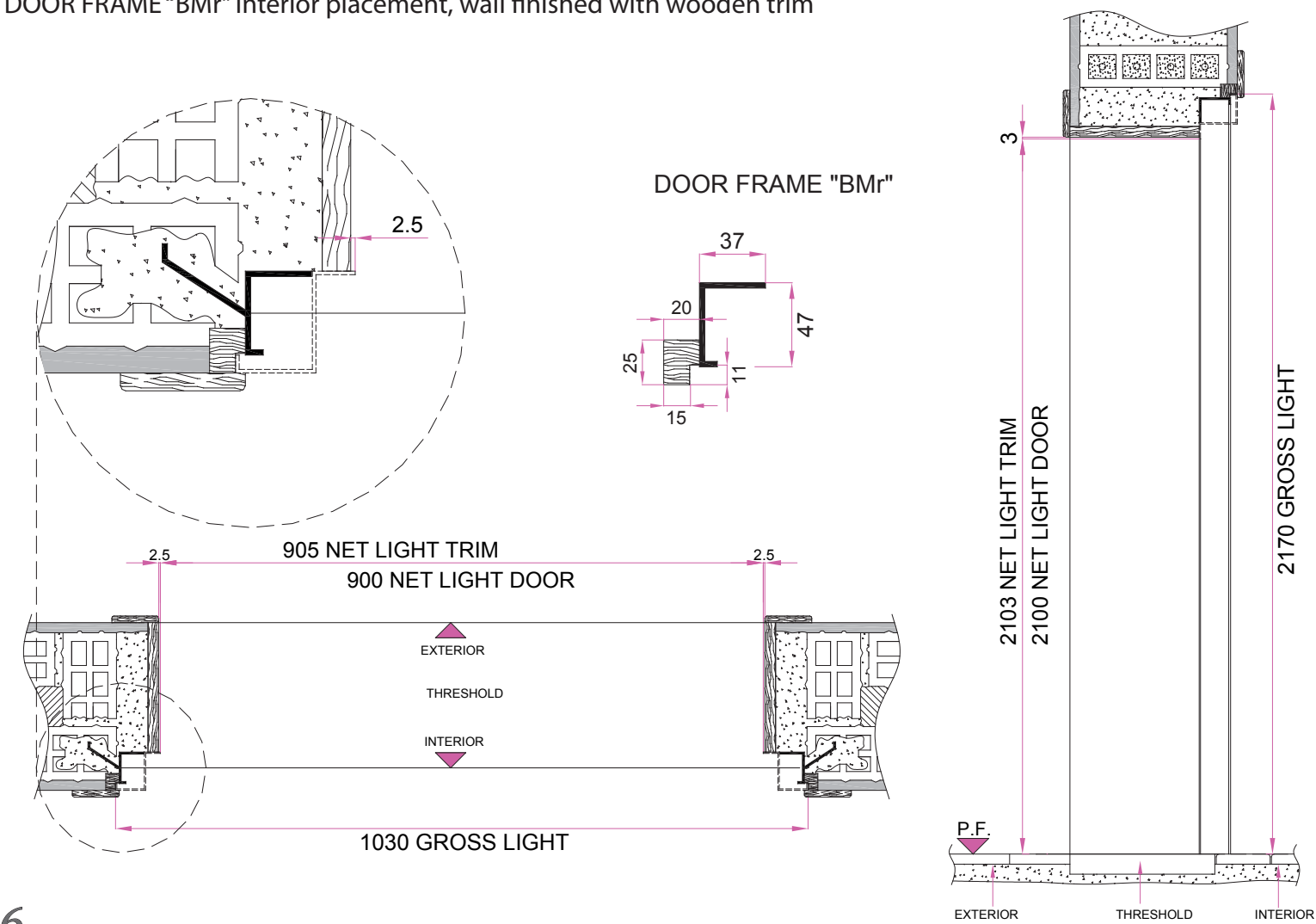


Technical details

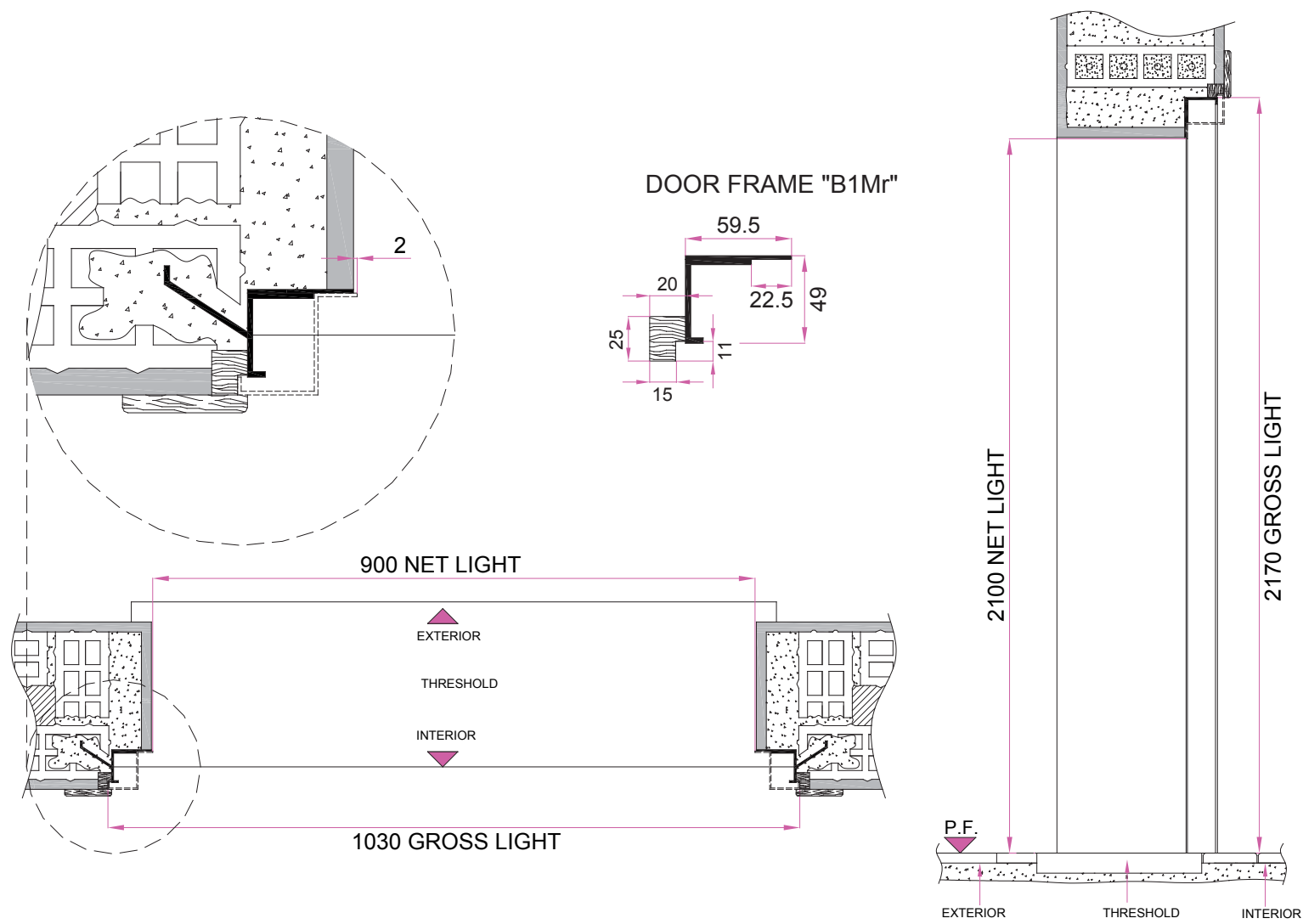
DOOR FRAME "B1M" interior placement, plaster wall finish



DOOR FRAME "BMr" interior placement, wall finished with wooden trim



DOOR FRAME "B1Mr" interior placement, plaster wall finish



DOOR FRAME "C" welding pins



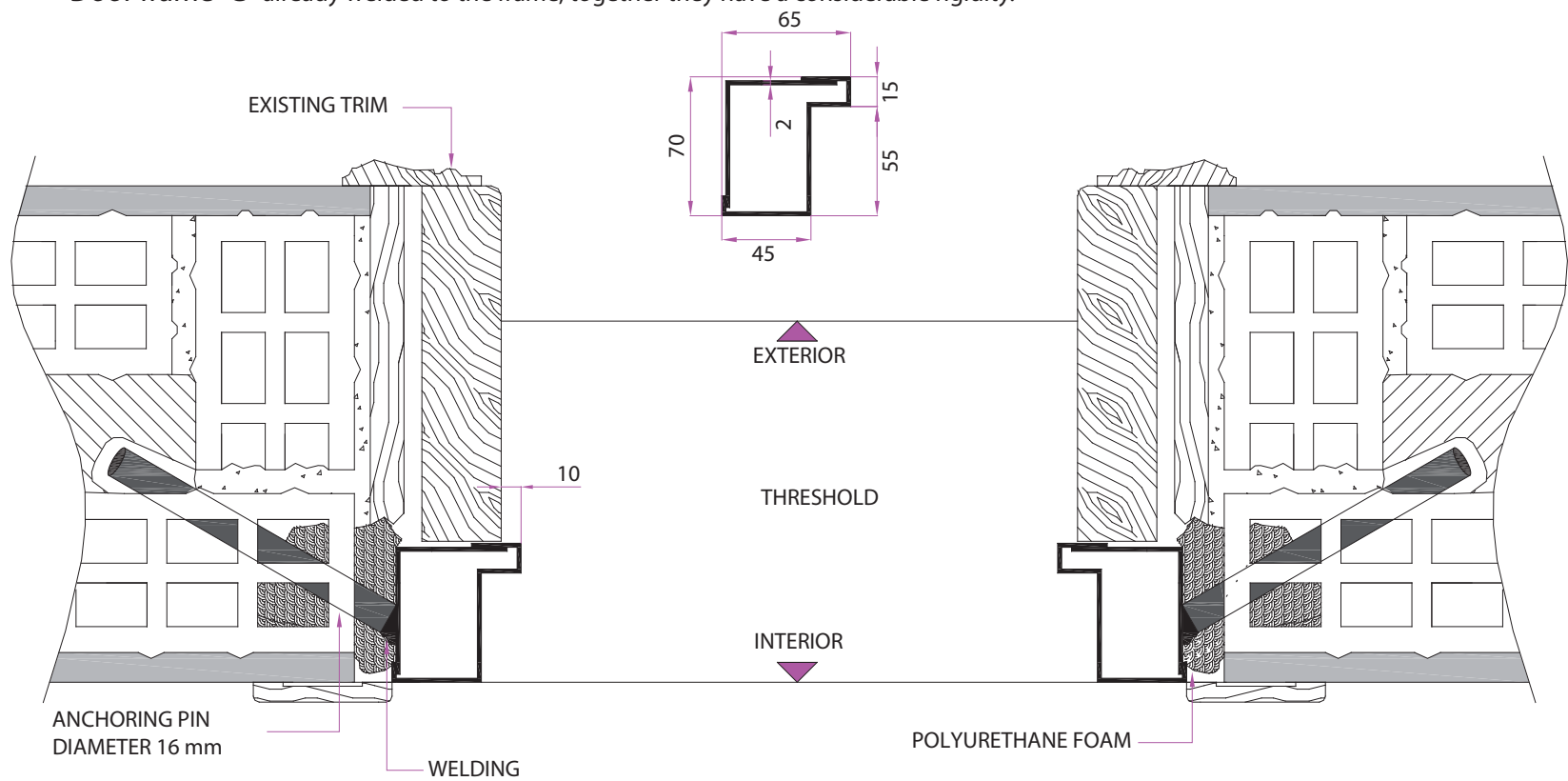
Dolmen model single leaf armored door with external facade that reproduces an old double leaf door.

In this photo there is a particularly robust anchoring system with twelve rods 250 mm long and 16 mm in diameter, these are first inserted into the pavement, in the architrave and in the walls if there are holes, without ruining the external and internal wall and then welding in place.

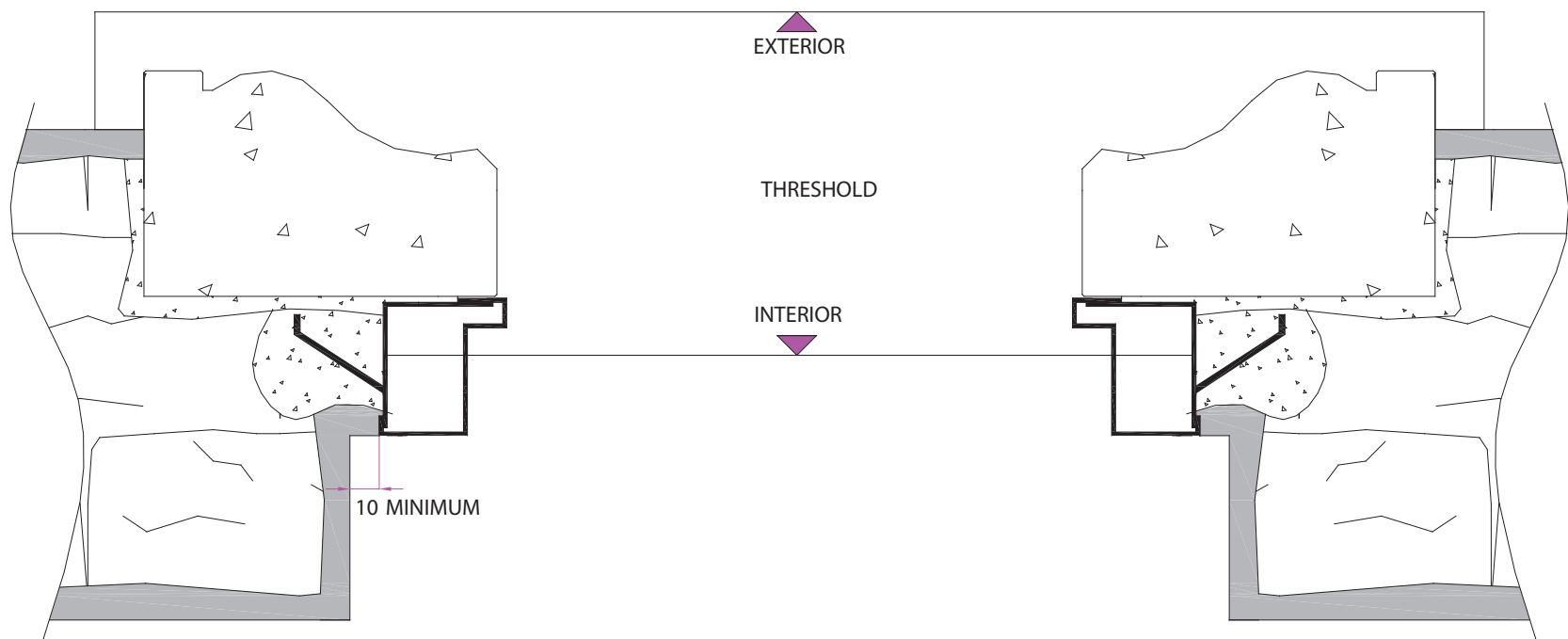
This system is possible only on door frame "C" and generally used to substitute doors in inhabited homes.

DOOR FRAME "C" interior placement, wall finish, existing trim, anchoring pins to weld

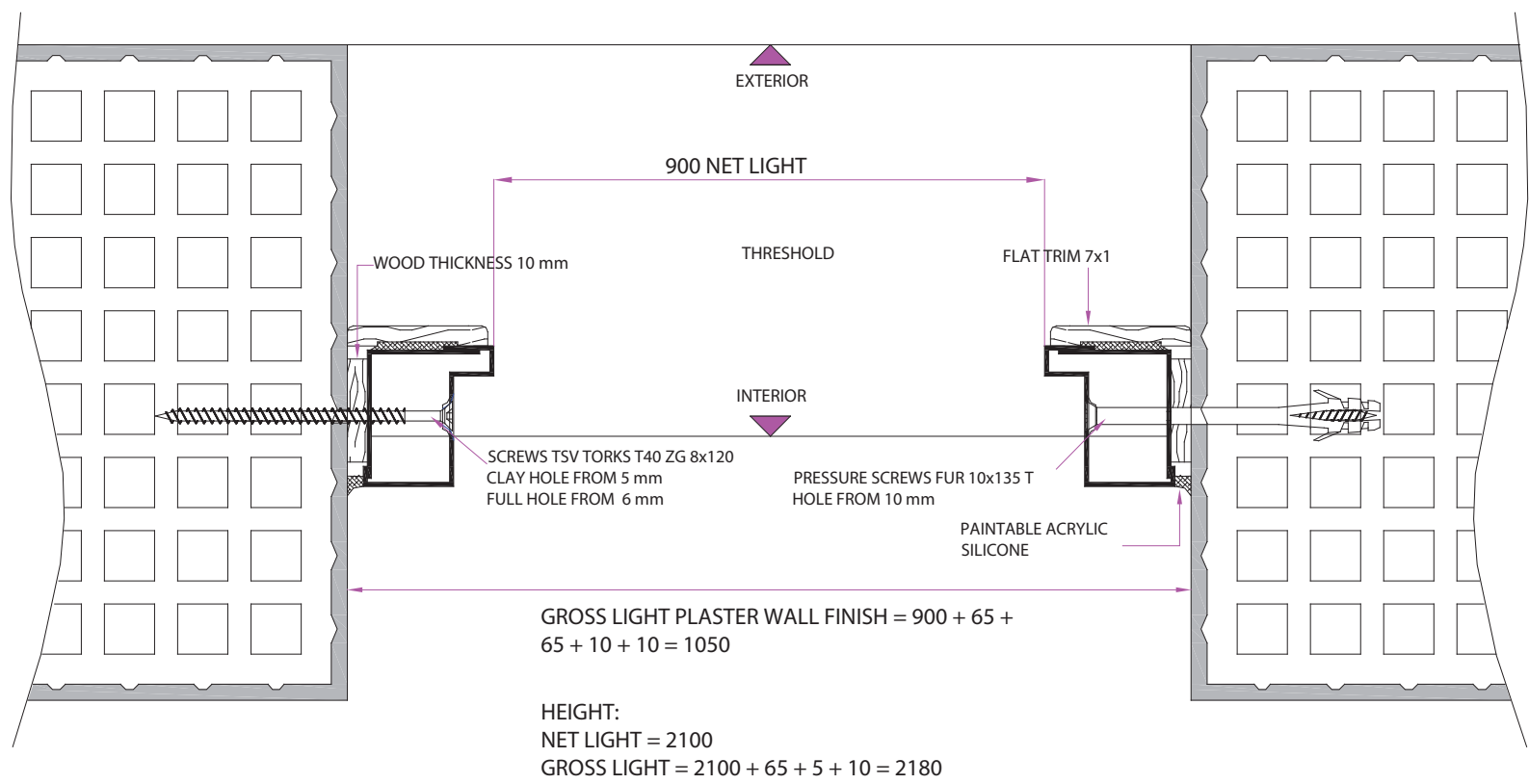
Door frame "C" already welded to the frame, together they have a considerable rigidity.



DOOR FRAME "C" central wall placement, stone wall finish, existing cemented anchoring rods

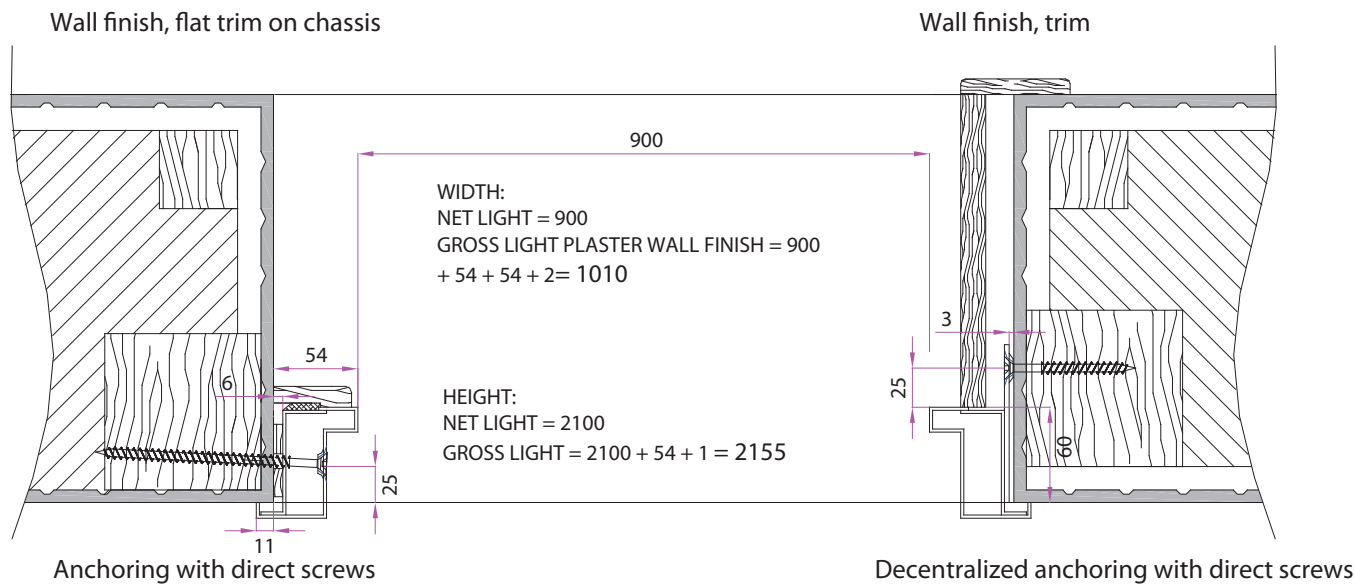
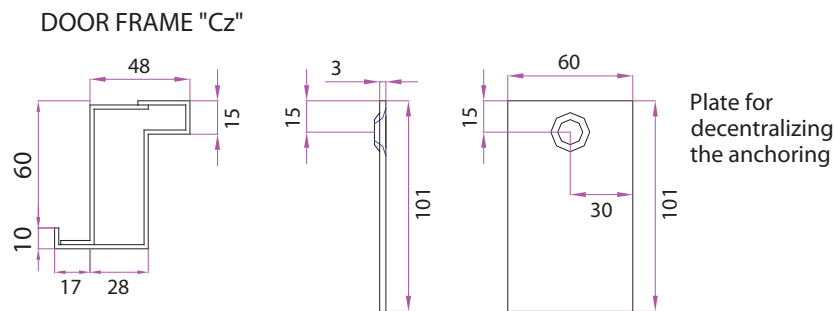


DOOR FRAME "C" central wall placement, plaster finish anchored by normal screws or pressure screws

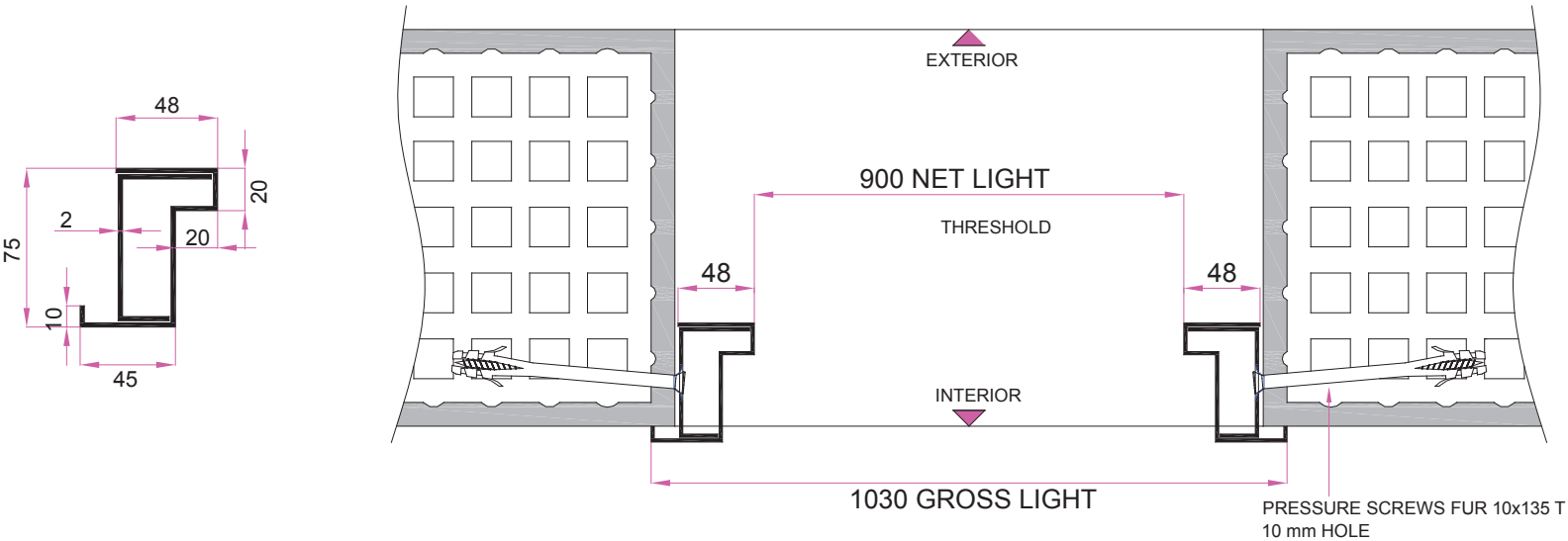


DOOR FRAME "Cz" interior placement, wall finish (see design), normal screw anchoring

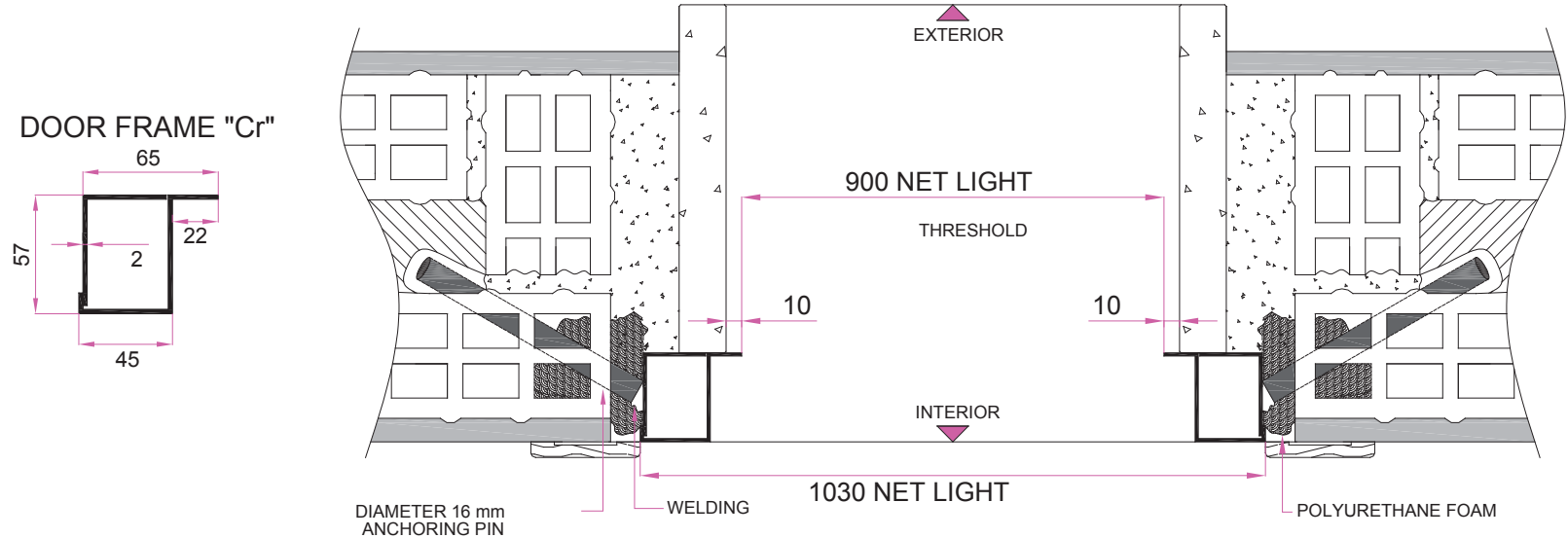
The "Cz" door frame is a variant of the "C" door frame. Only used for internal placement. It is recommended only if the interior needs to be finished avoiding it being seen



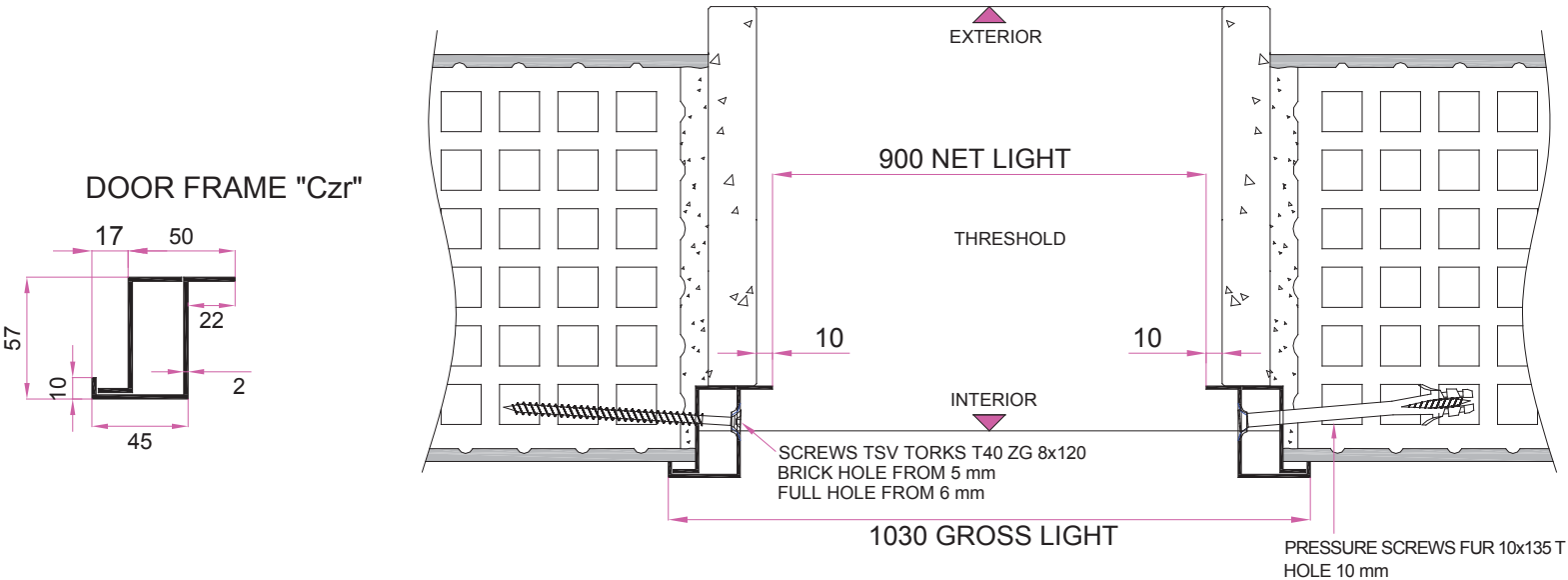
DOOR FRAME "Cz48" interior placement, plaster finish, anchored by pressure screws.



DOOR FRAME "Cr" interior placement, marble/granite finish, anchored by welded pins

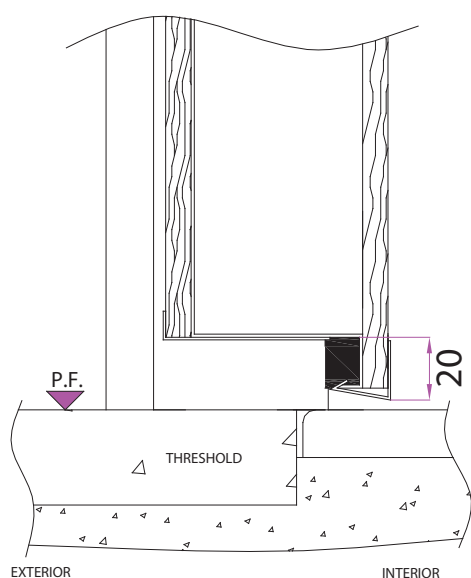


DOOR FRAME "Czr" interior placement, marble/granite finish, anchored by normal screws or pressure screws

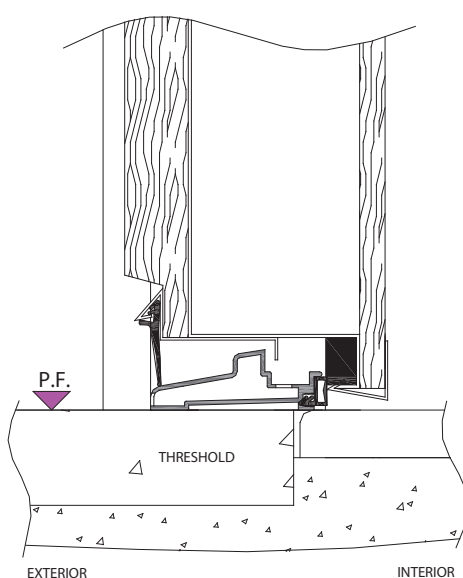


Technical details

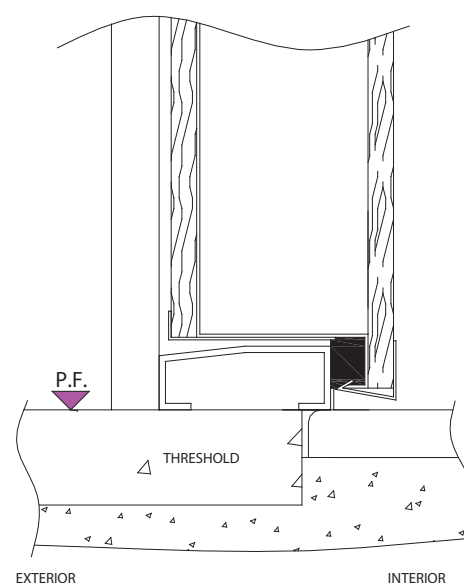
VISIBLE STOPPER 20 mm



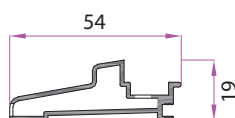
DOOR WITH ONLY VISIBLE STOPPER



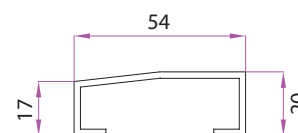
DOOR WITH VISIBLE STOPPER +
ALUMINUM STOPPER KA19
(used for the water kit)



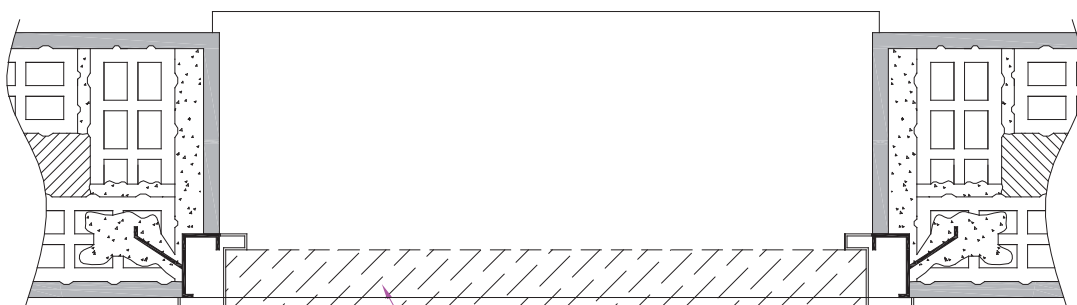
DOOR WITH VISIBLE STOPPER
+ ALUMINUM STOPPER N54x20
(no performance declared for the water holding)



ALUMINUM STOPPER KA19



ALUMINUM STOPPER N54x20

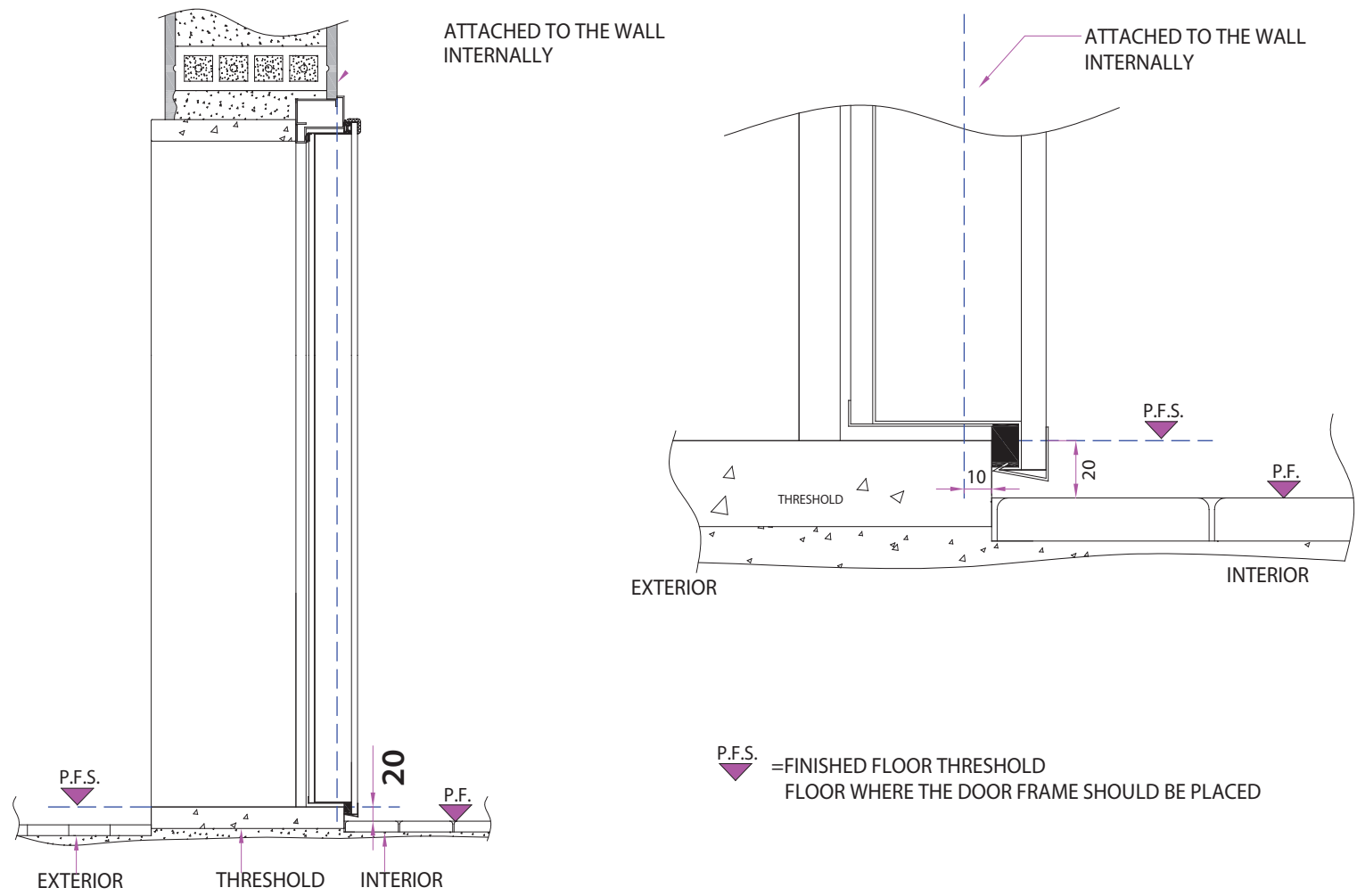


ALUMINUM STOPPER POSITION KA19 e N54x20

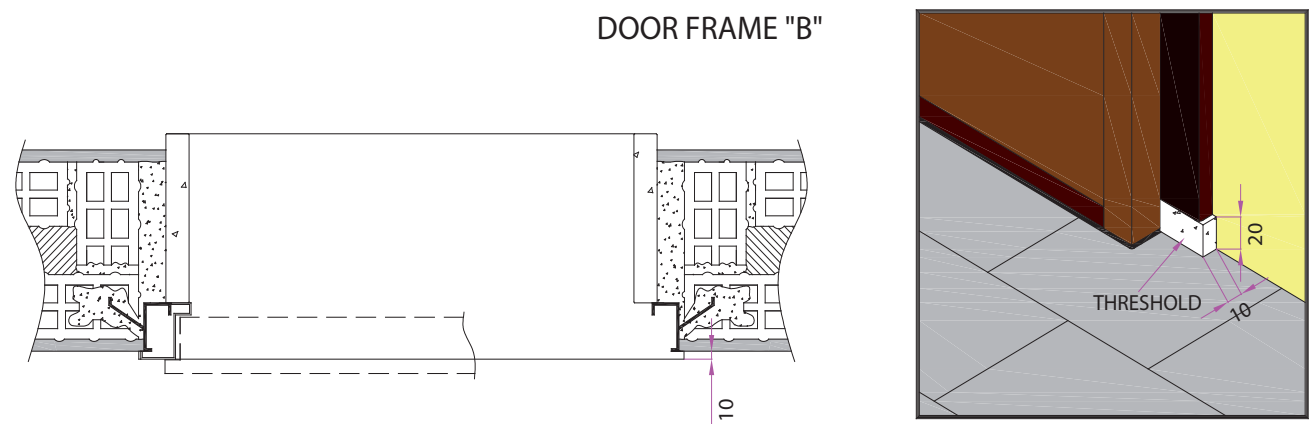
INSTRUCTIONS FOR MOUNTING THE ALUMINUM BAR STOPPER: position the aluminum bar stopper between the door frame uprights laying it on the stopper, mark the perimeter with a pencil. Remove the stopper, extend it on the pavement, in between the marks, place a layer of transparent acetic silicone. Lastly reposition the stopper in place applying pressure in or-

der to make it adhere to the pavement, secure with masking tape. Leave the tape for at least 6 hours. It is fundamental to put silicone also on the perimeter of the door frame, going back over by a centimeter or two over the door frame so as to assure a perfect sealing.

NOT VISIBLE STOPPER 20 mm

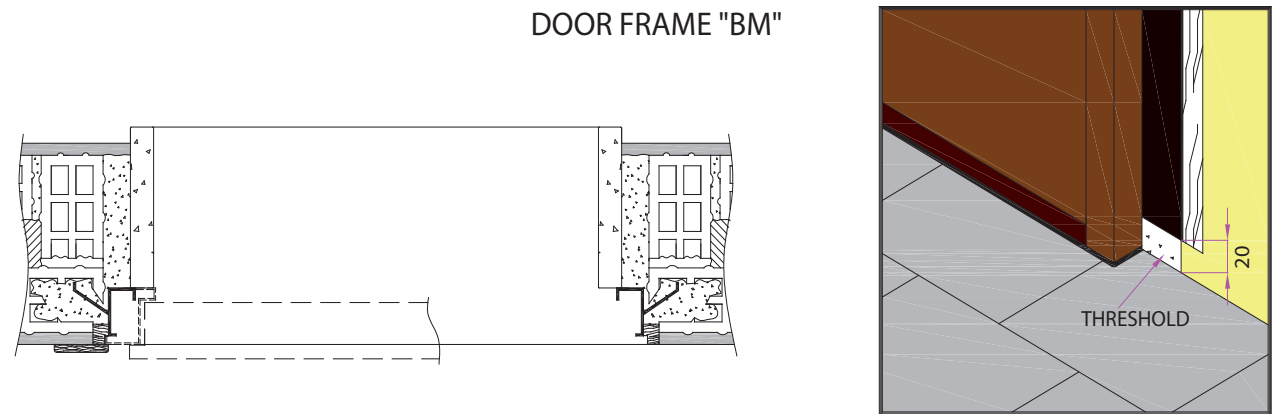


DOOR FRAME "B"



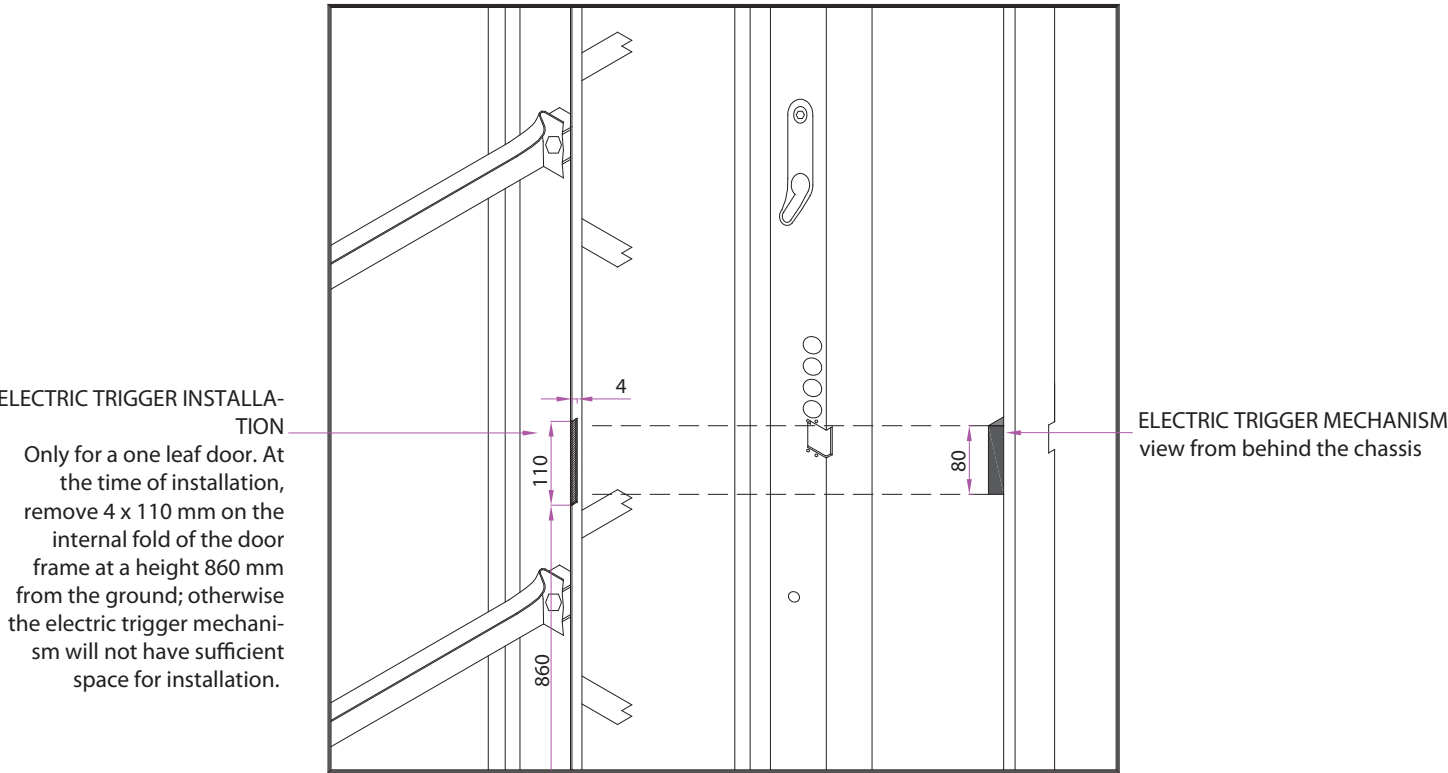
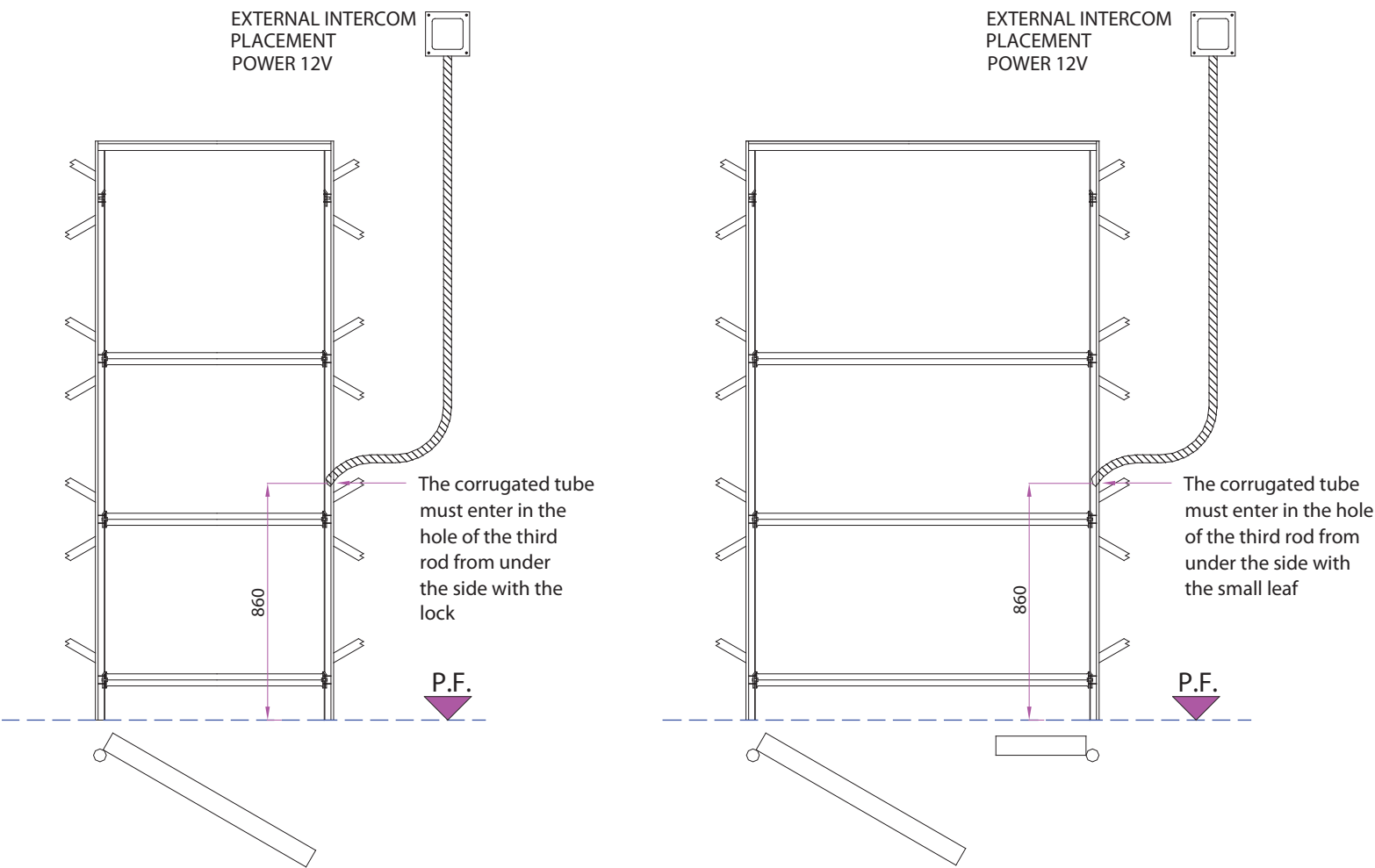
THE THRESHOLD SHOULD PROTRUDE 10 mm FROM THE ATTACHMENT OF THE WALL TO THE DOOR FRAME SO THAT THE CLOSED DOOR TOUCHES THE SEAL

DOOR FRAME "BM"

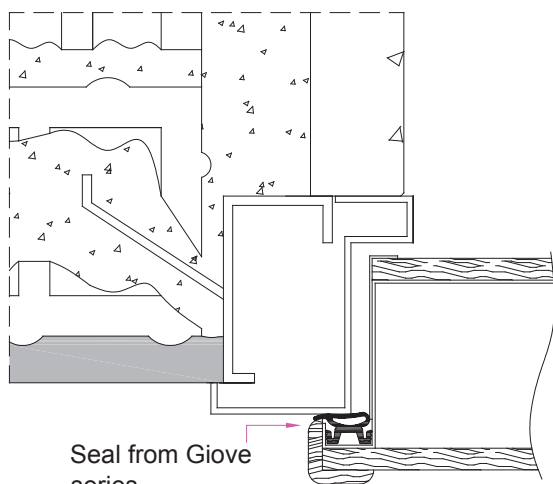


WITH THE "BM" DOOR FRAME THE THRESHOLD SHOULD BE ATTACHED TO THE INTERIOR WALL

ELECTRIC TRIGGER



SEALS most commonly used



Seal from Giove series



TUBULAR SEAL

Material: rubber EPDM

Type: coextruded

superior part composed of expanded closed cell EPDM

inferior part composed of compact EPDM

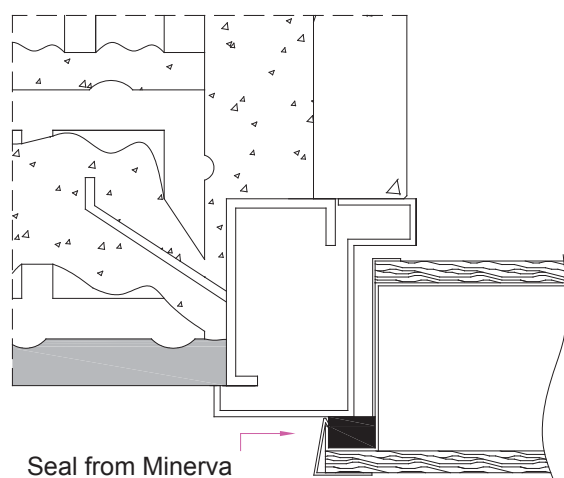
superior part density $0,50 \text{ g/cm}^3$

inferior part density $1,2 \text{ g/cm}^3$

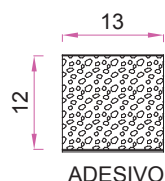
inferior part hardness shore* A 68

operating temperature - 20 to + 80

Color: black



Seal from Minerva and Marte series



RECTANGULAR PROFILE SEAL

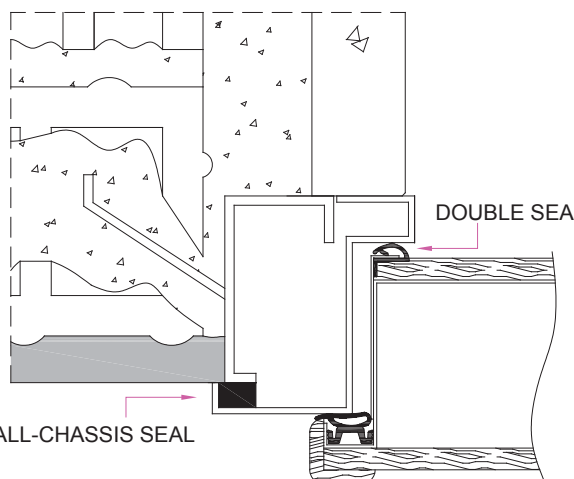
Material: PVC, PVC resin of open cell foam

Type, cut from rolls with adhesive

density $0,12 \text{ g/cm}^3$

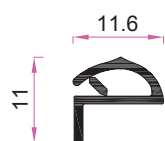
operating temperature -20 to + 50

Color: anthracite



WALL-CHASSIS SEAL

DOUBLE SEAL



PINNED SEAL (DOUBLE SEAL)

Material, EPDM

Type, coextruded

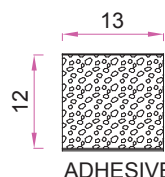
superior part (pin) composed of vinyl plastic hardness shore A 55

inferior part composed of vinyl plastic hardness shore A 82

density $1,31 \text{ g/cm}^3$

operating temperature - 20 to + 60

Color, black



RECTANGULAR PROFILE SEAL (WALL-CHASSIS SEAL)

Material, PVC, PVC resin of open cell foam

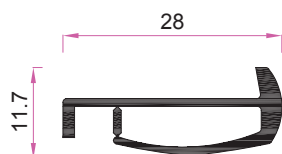
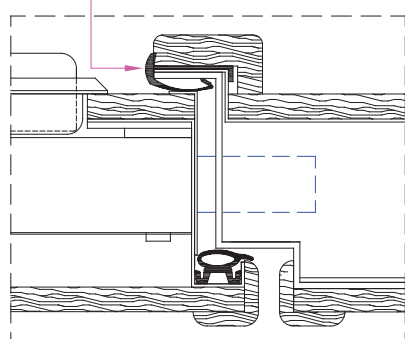
Type, cut from rolls with adhesive

density $0,12 \text{ g/cm}^3$

operating temperature -20 to + 50

Color, anthracite

SEAL FOR SMALL LEAF STOPPER



STOPPER SEAL (SMALL LEAF)

Material, EPDM

Typo, coextruded

density $1,21 \text{ g/cm}^3$

operating temperature - 20 to + 60

Color, black

Technical details

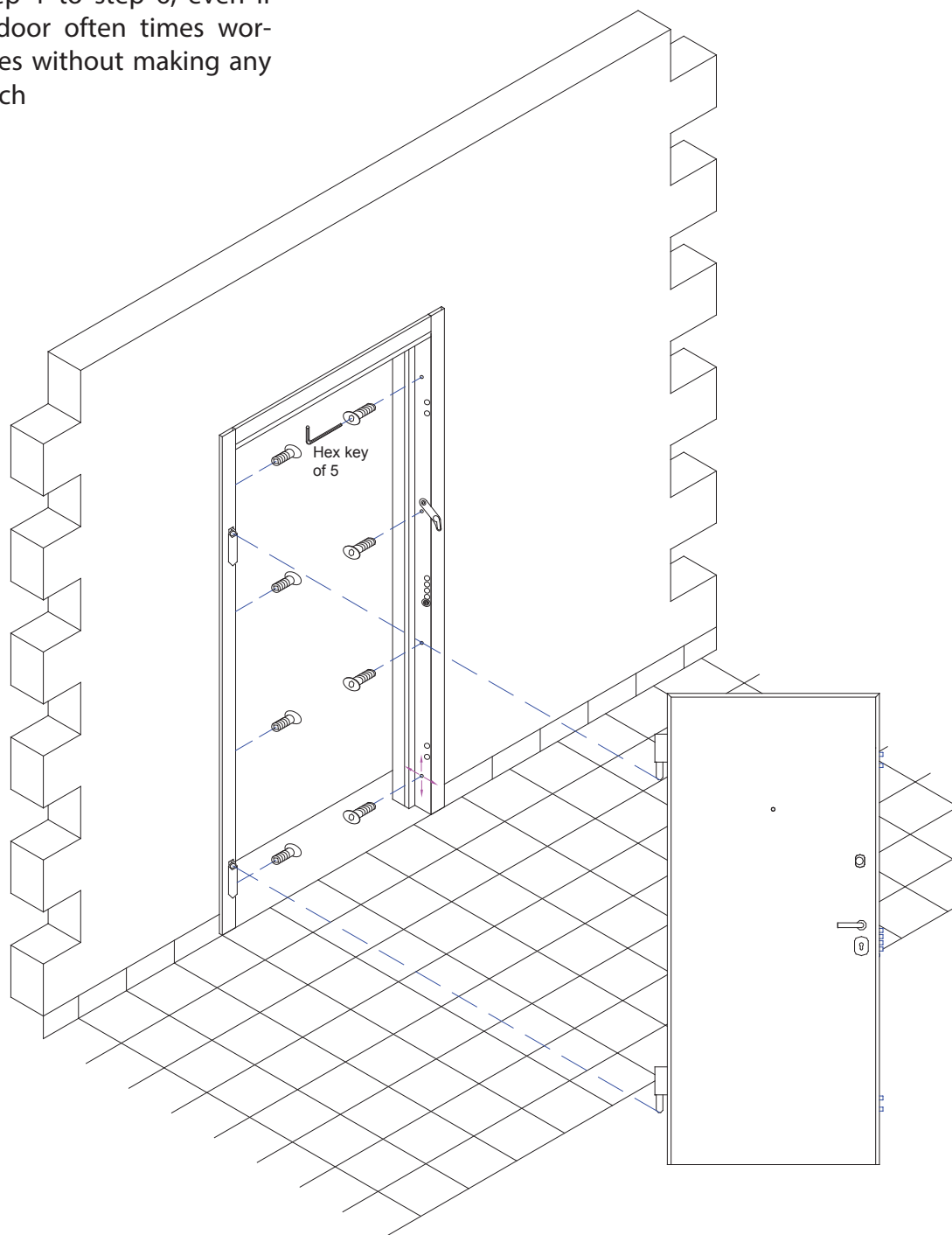
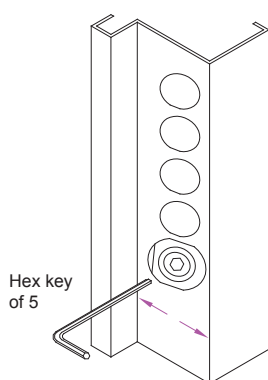
MOUNTING THE DOOR

Follow the instructions from step 1 to step 6, even if the "Dolmen" model armored door often times works well once placed on the hinges without making any adjustments other than to the latch

1

ANCHORING THE DOOR

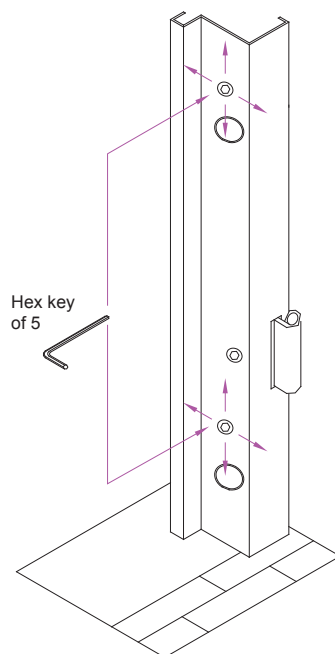
Remove the rods after the cementing has finished, re-clean the door-frame of any plaster residue, insert the frame and secure it with the 8 screws TSPEI 8x20 that are given. Screw the frame as closely as possible to the wall. Lastly, put the door on the hinges.



2

SPRING LATCH

Loosen the spring latch as much as possible inwards.



3

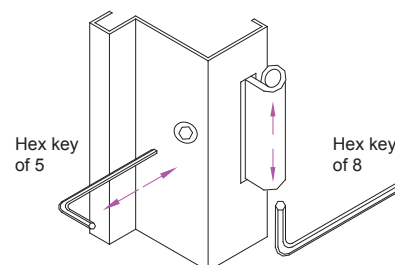
UNIFORMITY

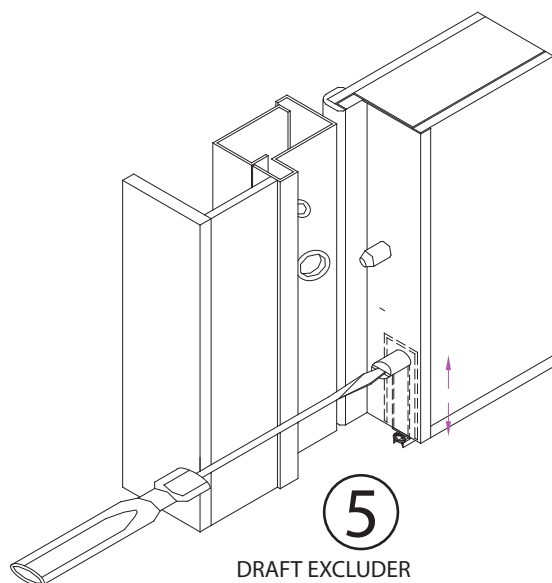
In order for the door to close properly it is necessary to regulate the anchoring. Begin regulating preferably from the two hinges towards the bottom.

4

HINGES

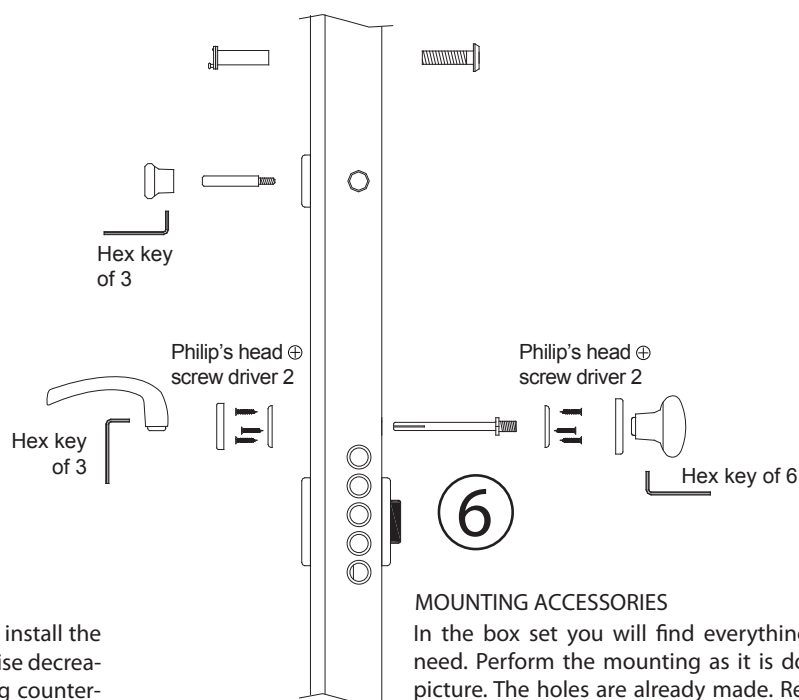
The hinges can be adjusted either vertically or horizontally. Once the door has been centered in the frame and placed at an angle with respect to the pavement, it is left at the point it is found without need of tightening other screws. Lastly, fasten the spring latch (point 2) so that the door does not move.





5 DRAFT EXCLUDER

Once the armored door has been regulated, install the self-leveling draft excluder. Screwing clockwise decreases, that is, it is lowered down less. Screwing counter-clockwise increases, that is, it is lowered more. Regulate the draft excluder so that it is lowered at the last moment so as to avoid it dragging along the floor. Attention: if the door is placed on a parquet floor that has not been stained, leave the draft excluder up off the ground so that it does not stick.



6 MOUNTING ACCESSORIES

In the box set you will find everything you will need. Perform the mounting as it is done in the picture. The holes are already made. Recommendations: when mounting the handle lay it down well on the panel applying pressure and then tighten the hex key. The same thing for the knob for partial opening, it is advised to make sure it is well tightened in such a way that the movement is slowed and avoid that it is inserted accidentally.

PARTICULAR ADJUSTMENTS

THEY CAN BE PERFORMED ONLY BY PIACENTINI EMPLOYEES OR BY EXPERT TECHNICIANS

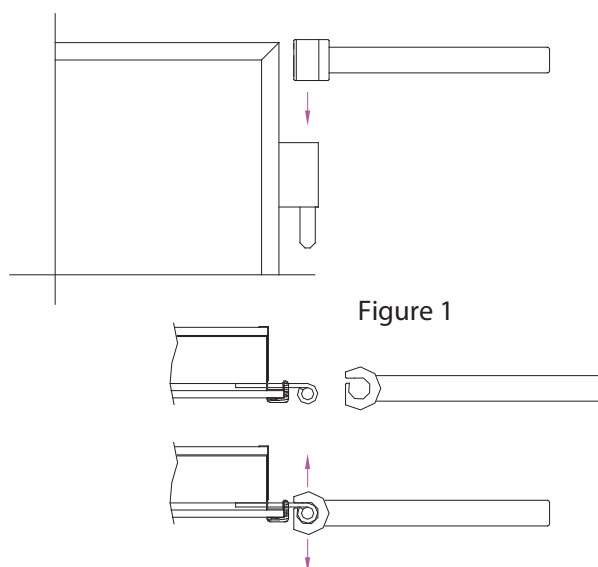


Figure 1

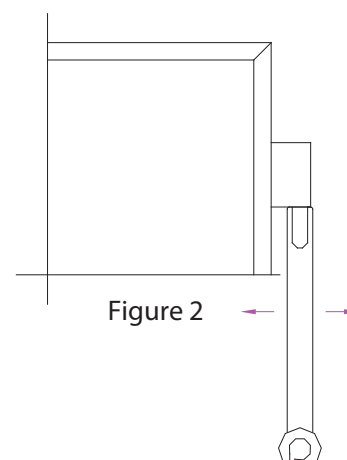


Figure 2

- The "hinge adjuster" tool is used when the normal tools are not sufficient, usually it is used to regulate the uniformity of the door side with hinges, or even when it is a pulling door. Slightly bend the hinge body inward or outward to increase or decrease the space between door and frame on the hinge side (see Figure 1).

- When the armored door is placed in flawed lead, this condition usually occurs when the floor is not level, it is possible that, once opened, it closes itself; to fix this the pin of a hinge can be misaligned by 1 mm, creating an obstacle in its head so that the door remains stationary at the point where it is left (see Figure 2).

- The flatness of the door with respect to the frame can be adjusted by placing a spacer on the bottom edge of the side with the lock and pushing the edge on top. This way you can adjust the door by a few millimeters without moving the anchoring.

-To solve some problems of matching between the big leaf and small leaf or of excessive space between the door panel and chassis, you can put a spacer of 1.2 mm below the external panel by removing the post. This method clearly can only solve aesthetic problems, but not functional ones.

Technical details

Class 4 DOOR MOUNTING

Follow the instructions in step 1 and step 2.

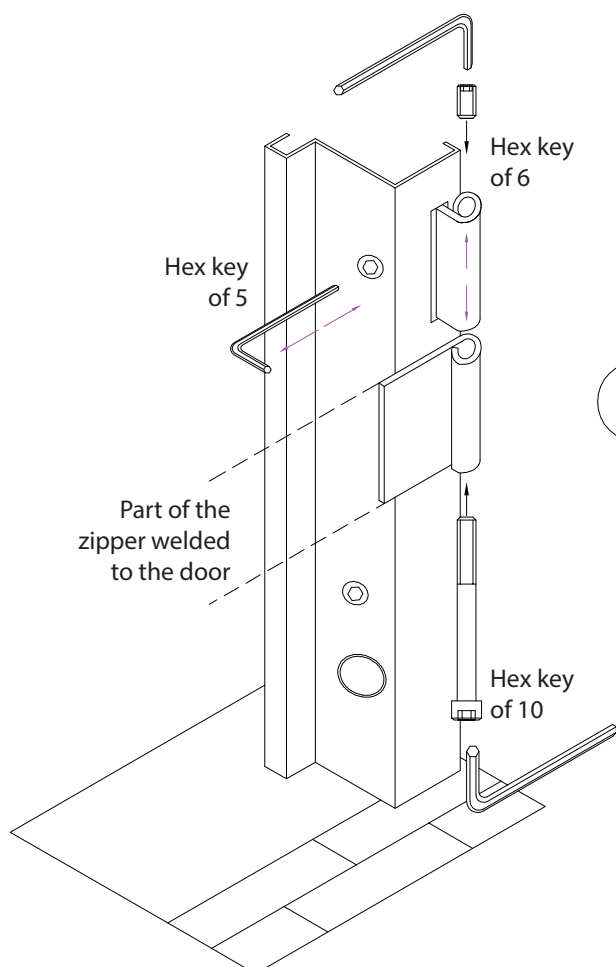
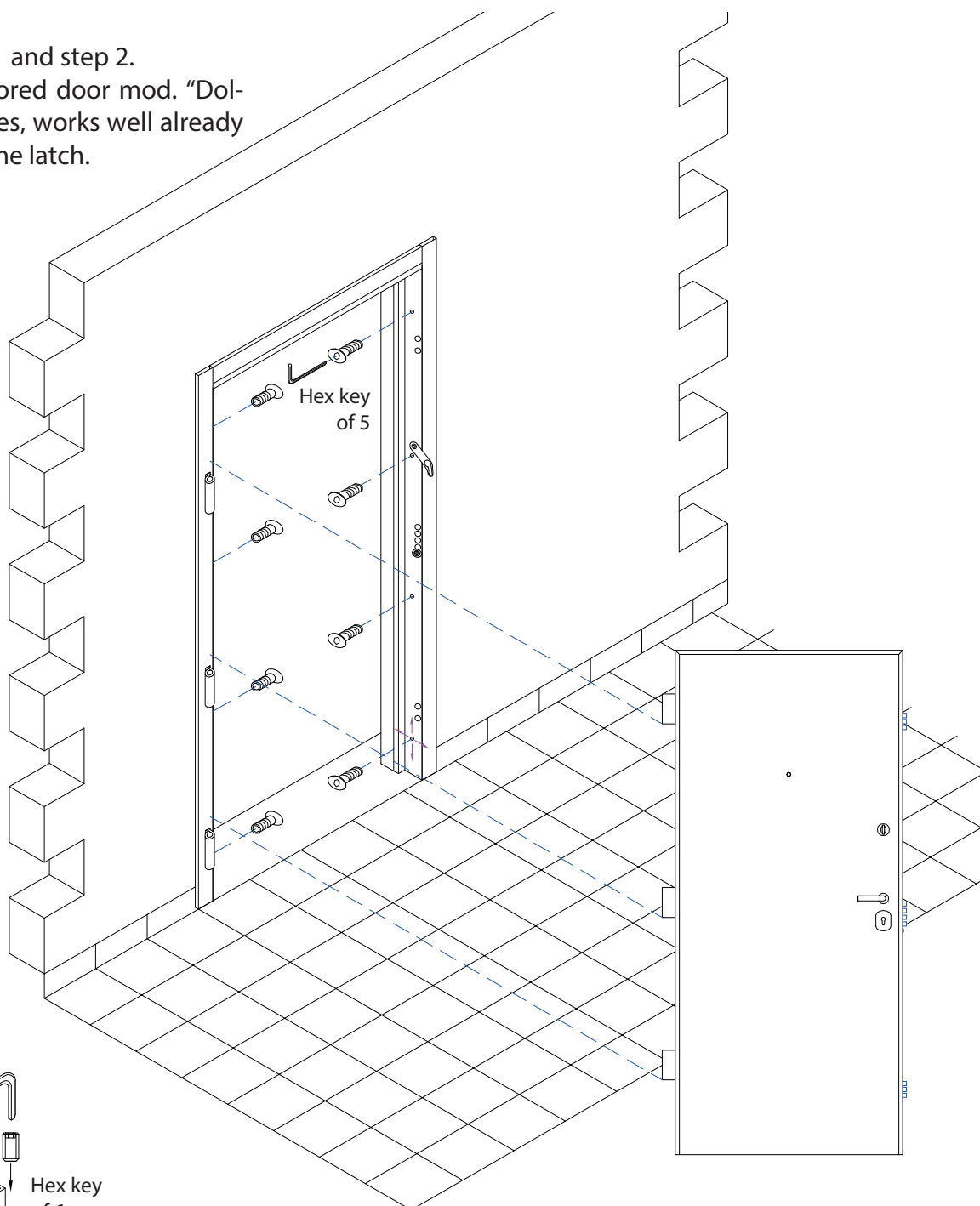
Although many times the armored door mod. "Dolmen C4", once put on the hinges, works well already without any recording except the latch.

For other recordings (lash, planarity and pruning) see the "Dolmen" armored door mounting on p. 246.

1

ANCHORING THE DOOR

Remove the rods after the cementing has finished, re-clean the door-frame of any plaster residue, insert the frame and secure it with the 8 screws TSPEI 8x20 that are given. Screw the frame as closely as possible to the wall. Lastly, put the door on the hinges.



2

ZIPPERS REGISTER

the hinges are adjustable both vertically (hex key 10) and horizontally (hexagonal key 5). Once centered the door into the frame and set square to the floor, tighten the grain (hexagonal key 6). Finally, adjust the latch to prevent the door from moving.

ASSEMBLY FRAME*

Assembly instructions

EQUIPMENT:

N°2 legs

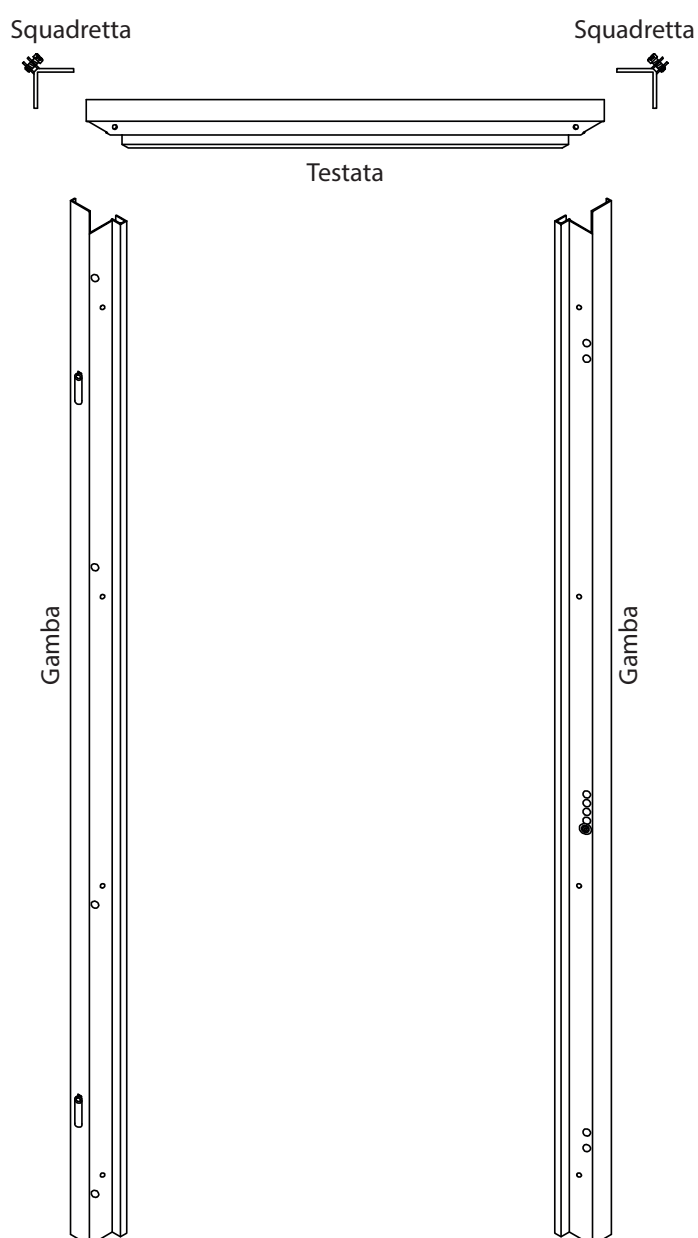
N°1 head

N°2 brackets

EQUIPMENT needed

(not included):

- gloves protection
- hex key of 5



**NEW
ARTICLE**

Assembly sequence



1 - Place bracket on the head.



2 - Approach and leg insert the bracket.



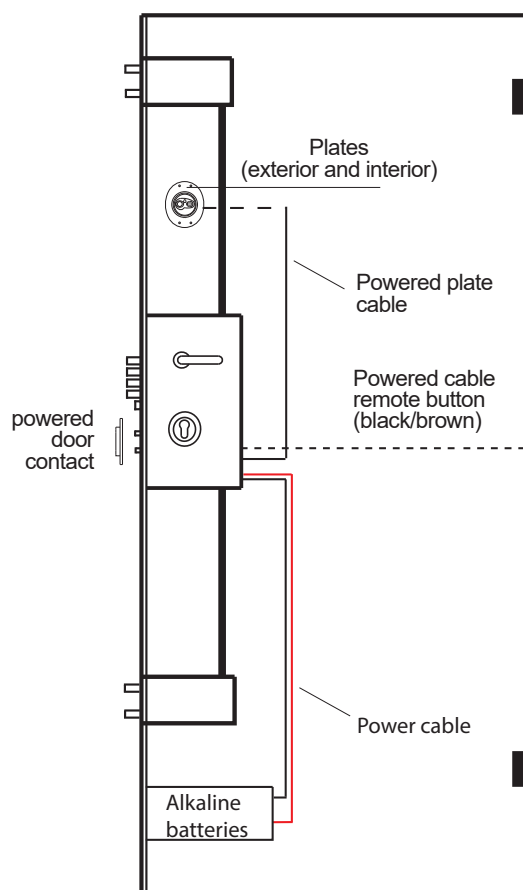
3 - Tighten the screw pressure to keep doing the corner of frame.

NOTE: * Armored doors with two doors will be dismantled. Upon request, the door frames can also be dismantled without skylight, with a cost increase.

Technical details

INSTALLATION Iseo x1R easy

INSTALLATION with alkaline batteries.



electrical contact
for remote
opening

Open
button

Intercom
opening

opening with
cell phone

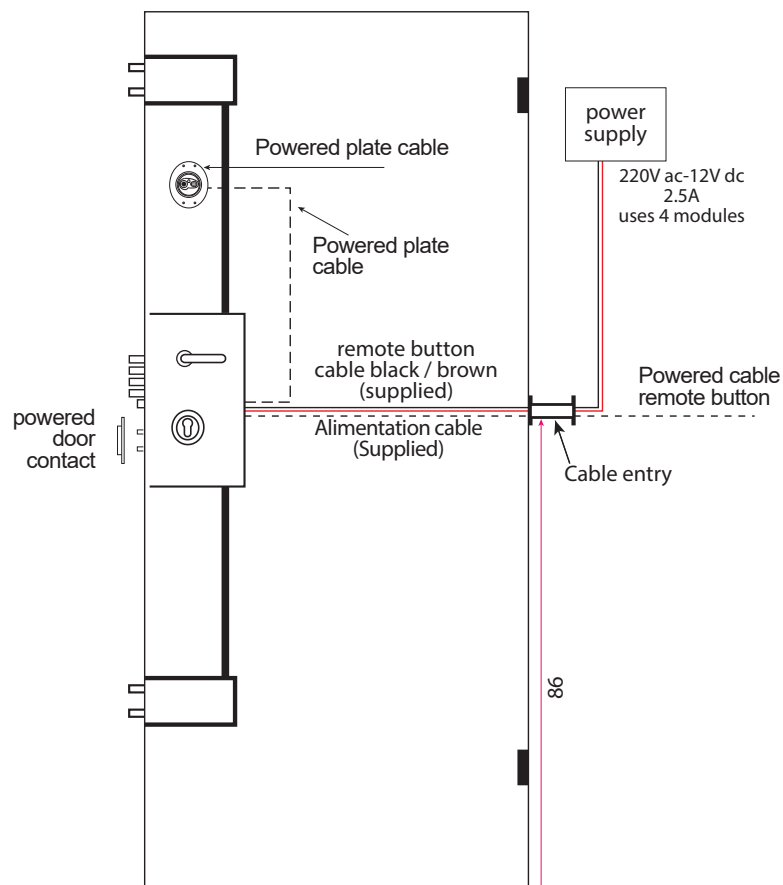
Warning
GSM

ATTENTION:
all systems that connect the remote cable must provide a clean contact pulse.

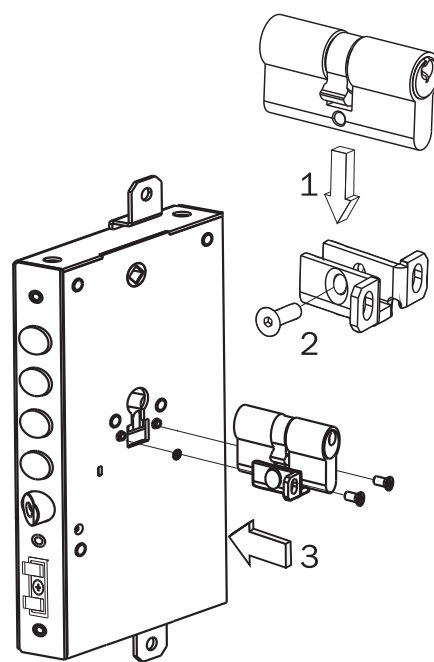


Warning GSM:
-From the wall 135 x 220 mm p60.
-Batteries housed in box 1.2A.
-Power Supply Power 2A 12V.
With a single card can handle 4 inputs and 4 outputs, then we can open the armored door, withstand the heat, the system by the alarm or send us a text message, etc.

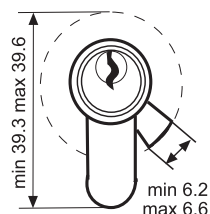
INSTALLATION from electricity grid (specify in the order)



CYLINDER mounting

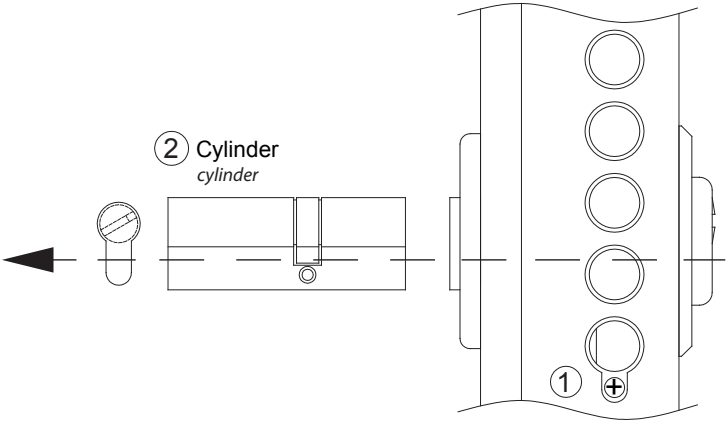


ATTENTION:
THE X1R LOCK
WORKS PROPERLY
USING THE UNIFIED
CAMMES PROFILE
CYLINDERS THAT
CORRESPOND WITH
THE DIMENSIONS
INDICATED IN THE
FIGURE.



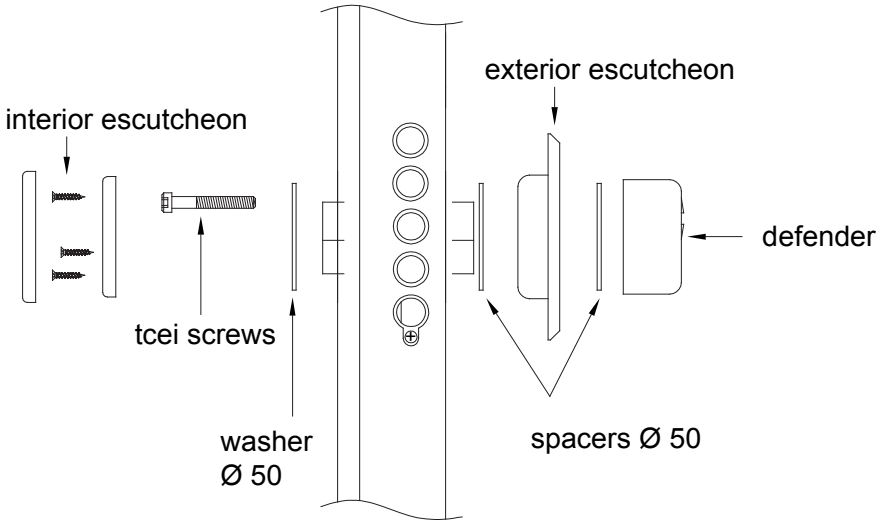
ATTENTION:
IN THE CASE OF MATCHING CYLINDERS
WITH THE KNOB, MAKE SURE THAT AFTER
THE ACTION OF THE CYLINDER THAT THE CAM
DOES NOT REMAIN ENGAGED CAUSING THE
ENGINE TO STALL

CYLINDER REMOVAL
blocking

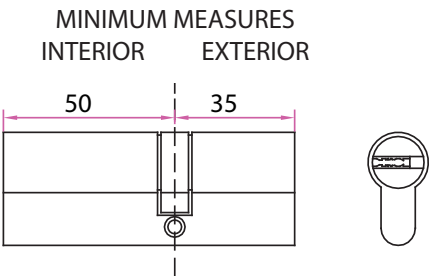


- ① Svitare la vite di fronte e spingerla contro la serratura.
- ② Sfilare il cilindro dal lato interno.
- ① Unscrew the screw in front and push it against the lock.
- ② Remove the cylinder from the inside.

DEFENDER REMOVAL



ISTRUZIONI:
E' importante *prima di sfilare il cilindro*, togliere il defender con i distanziali e il rondellone interno, per evitare che cadano dentro la porta. Quando si introduce il cilindro assicurarsi che sia nella posizione di lavoro prima che si serri il pacchetto, altrimenti si rischia di danneggiare la serratura.



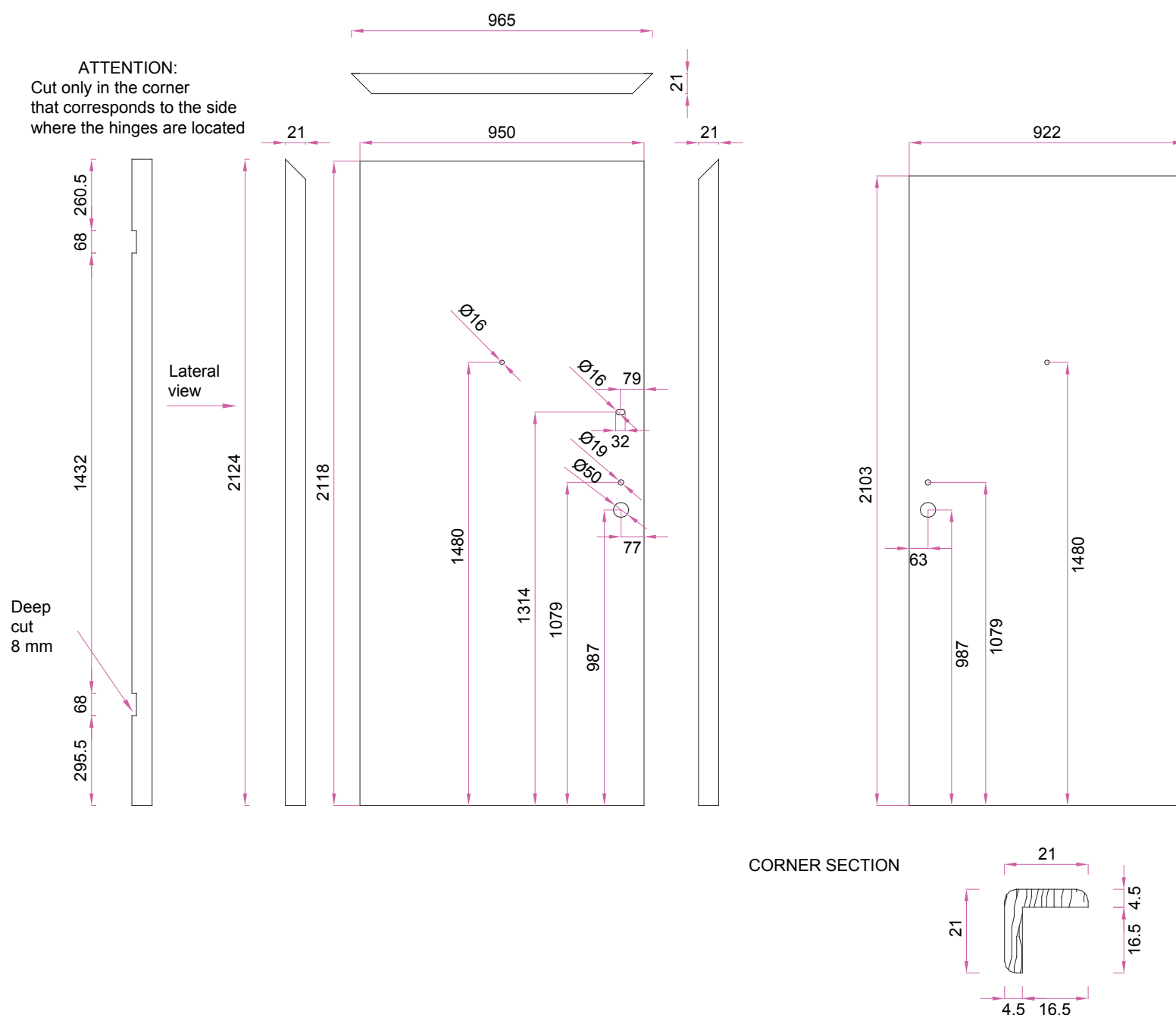
INTERIOR	EXTERIOR
50	35
PANEL THICKNESS 7 mm	PANEL THICKNESS 7 - 12 mm
50	40
PANEL THICKNESS 7 mm	PANEL THICKNESS 13 - 15 mm (ex. pantographed)
50	50
PANEL THICKNESS 7 mm	PANEL THICKNESS 16 - 24 mm (ex. hardwood)
60	35
PANEL THICKNESS 8 - 20 mm	PANEL THICKNESS 7 - 12 mm
60	50
PANEL THICKNESS 8 - 20 mm	PANEL THICKNESS 8 - 24 mm
40	80
PANEL THICKNESS 7 mm (inside frame)	PANEL THICKNESS 25 - 50 mm

ATTENTION: PADRONAL KEYS MUST ALWAYS BE DELIVERED IN SEALED BUS.

SMOOTH COVERINGS 7 mm FOR ONE LEAF DOOR 90x210 RIGHT

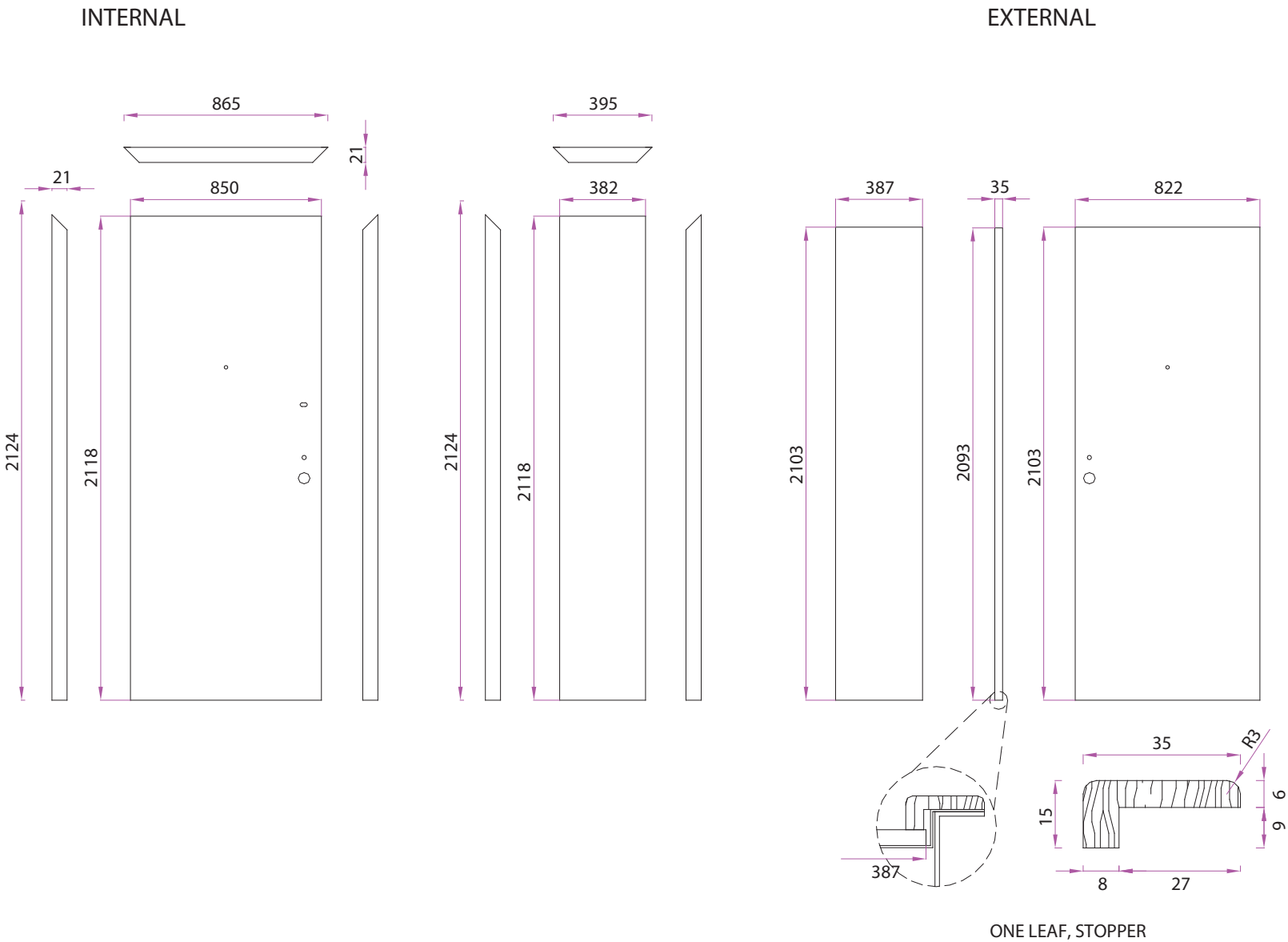
INTERNAL

EXTERNAL



Internal panel	width	light passage + 50	$900 + 50 = 950$
	height	light passage + 18	$2100 + 18 = 2118$
External panel	width	light passage + 20	$900 + 20 = 920$
	height	light passage + 2	$2100 + 2 = 2102$
Internal corner	width	light passage + 65	$900 + 65 = 965$
	height	light passage + 24	$2100 + 24 = 2124$

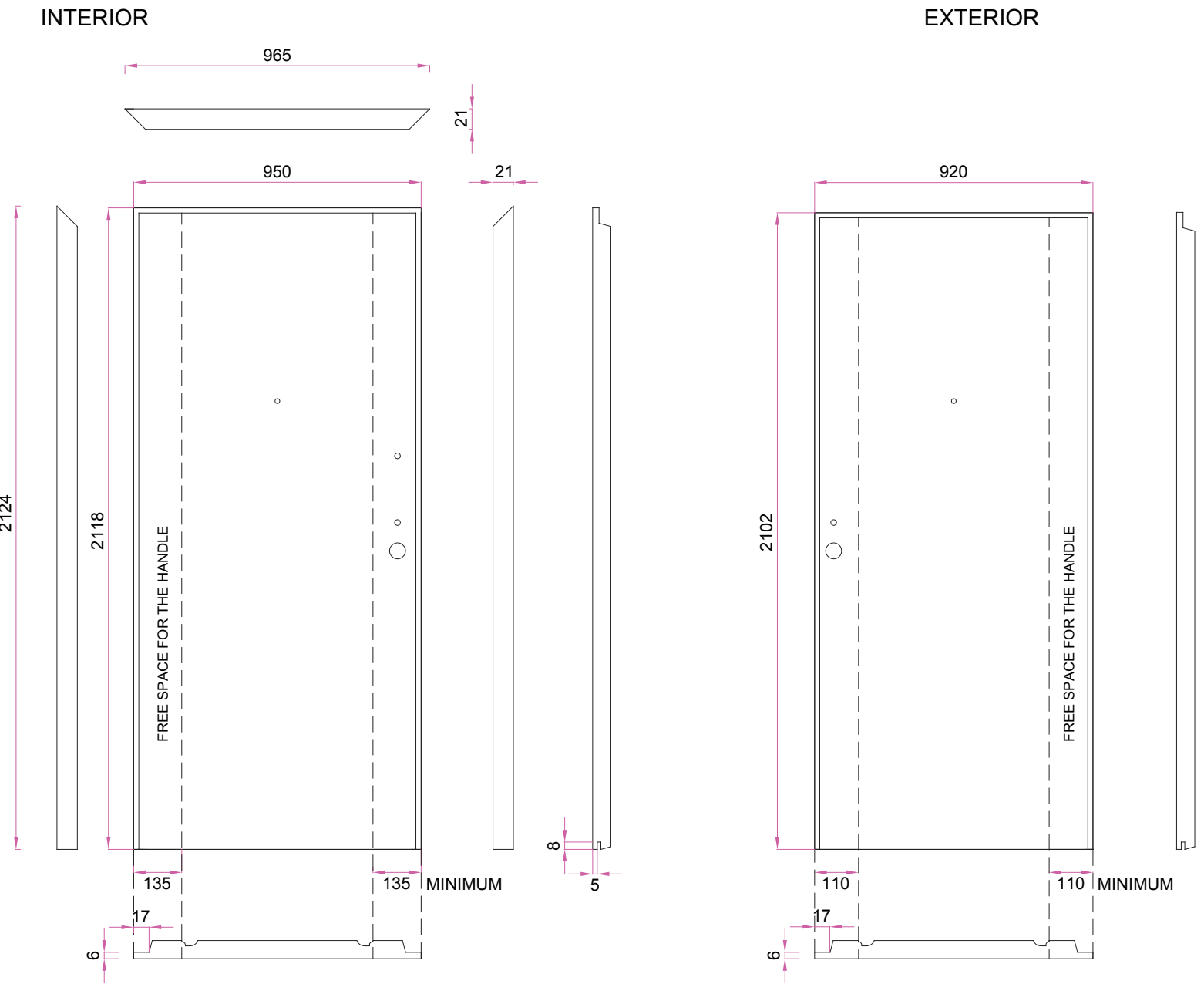
SMOOTH COVERINGS 7 mm for TWO LEAF DOOR 120x210.80 RIGHT



Internal panel	openable leaf	width	light passage + 50	$800 + 50 = 850$
	openable leaf	height	light passage + 18	$2100 + 18 = 2118$
	fixed leaf	width	light passage - 800 - 18	$1200 - 800 - 18 = 382$
	fixed leaf	height	light passage + 18	$2100 + 18 = 2118$
External panel	openable leaf	width	light passage + 20	$800 + 20 = 820$
	openable leaf	height	light passage + 2	$2100 + 2 = 2102$
	fixed leaf	width	light passage - 800 - 14	$1200 - 800 - 14 = 386$
	fixed leaf	height	light passage + 2	$2100 + 2 = 2102$
Internal corner	openable leaf	width	light passage + 65	$800 + 65 = 865$
	openable leaf	height	light passage + 24	$2100 + 24 = 2124$
	fixed leaf	width	light passage - 800 - 5	$1200 - 800 - 5 = 395$
	fixed leaf	height	light passage + 24	$2100 + 24 = 2124$
Smaller leaf stopper		height	light passage - 8	$2100 - 8 = 2092$

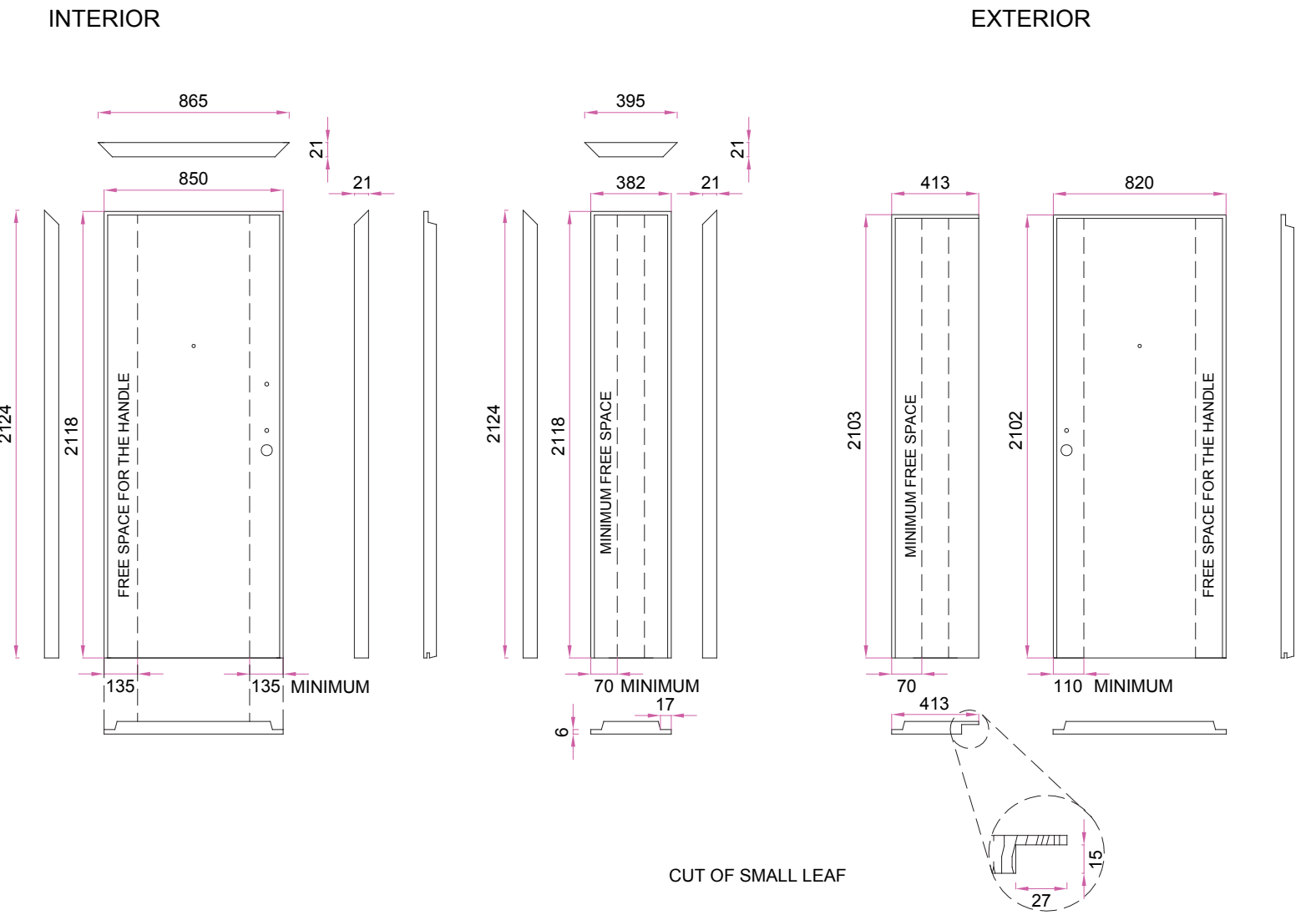
Technical details

PANTOGRAPHED COVERINGS thickness15 mm or HARDWOOD thickness 20 mm for SINGLE LEAF DOOR 90x210 RIGHT



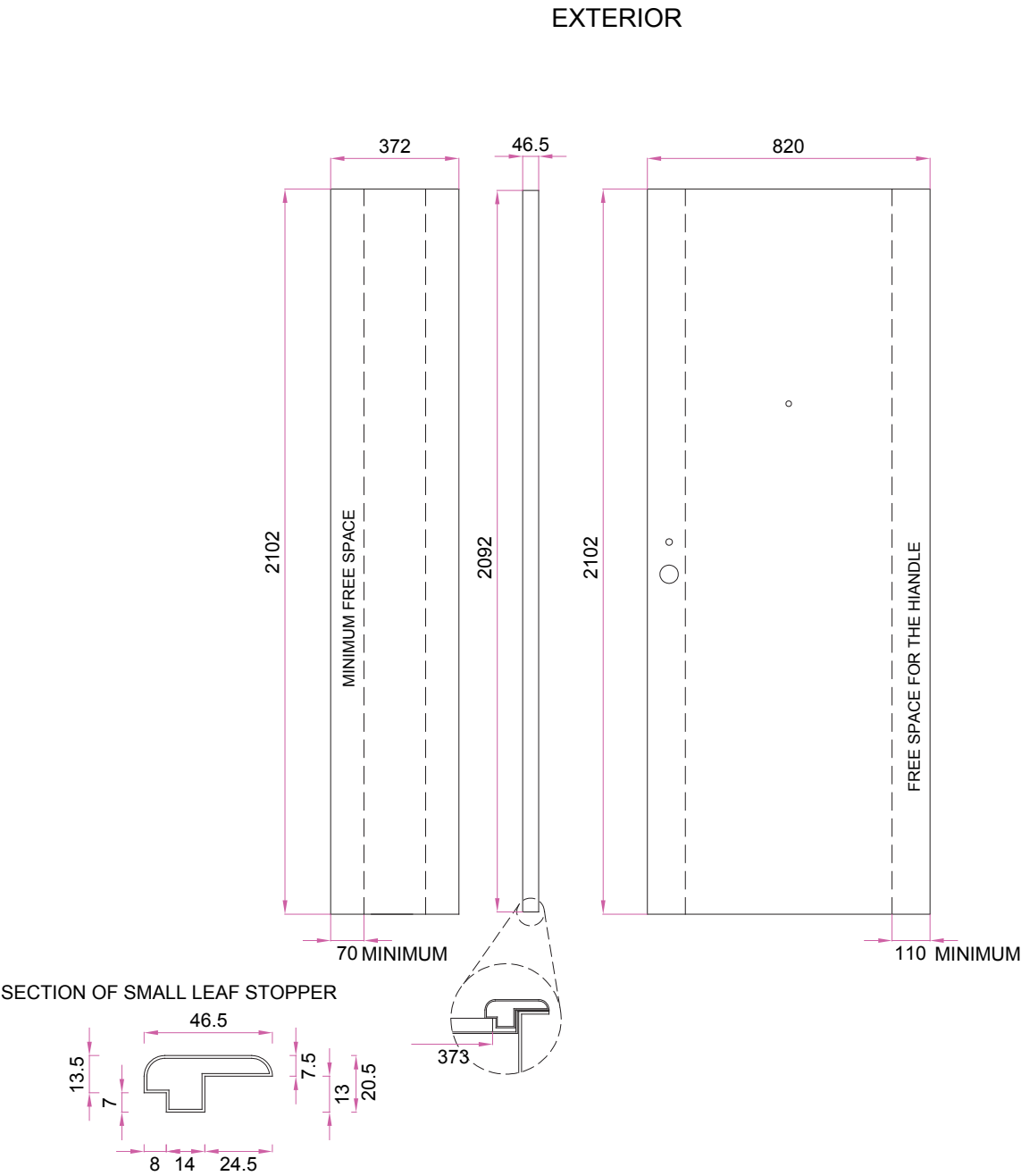
Internal panel	width	light passage + 50	900 + 50 = 950
	height	light passage + 18	2100 + 18 = 2118
External panel	width	light passage + 20	900 + 20 = 920
	height	light passage + 2	2100 + 2 = 2102
Internal corner	width	light passage + 65	900 + 65 = 965
	height	light passage + 24	2100 + 24 = 2124

PANTOGRAPHED COVERINGS thickness 19 mm or SOLID thickness 20 mm for TWO LEAF DOOR 120x210.80 RIGHT



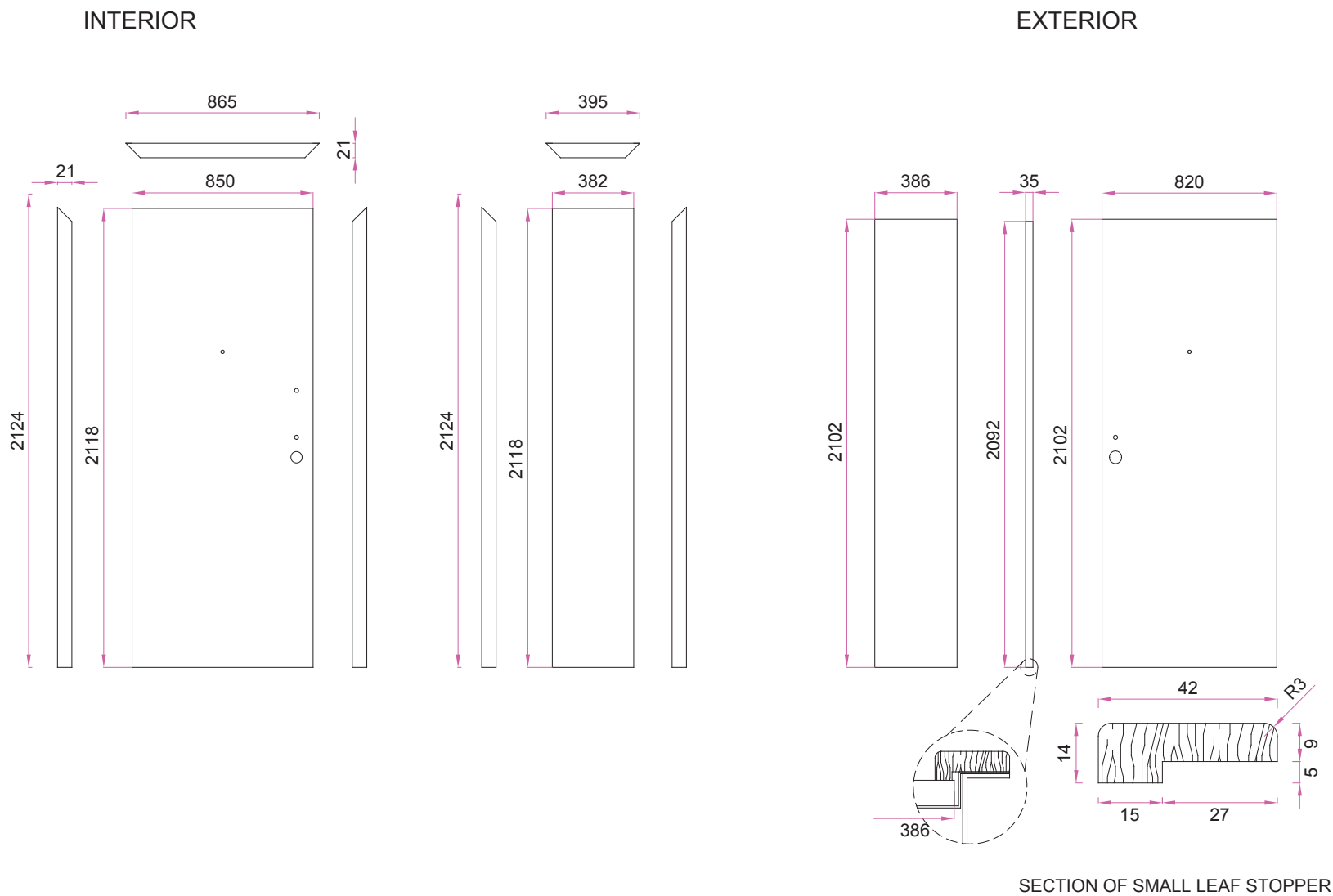
Internal panel	openable leaf	width	light passage + 50	$800 + 50 = 850$
	openable leaf	height	light passage + 18	$2100 + 18 = 2118$
	fixed leaf	width	light passage - 800 - 18	$1200 - 800 - 18 = 382$
	fixed leaf	height	light passage + 18	$2100 + 18 = 2118$
External panel	openable leaf	width	light passage + 20	$800 + 20 = 820$
	openable leaf	height	light passage + 2	$2100 + 2 = 2102$
	fixed leaf	width	light passage - 800 + 13	$1200 - 800 + 13 = 413$
	fixed leaf	height	light passage + 2	$2100 + 2 = 2102$
Internal corner	openable leaf	width	light passage + 65	$800 + 65 = 865$
	openable leaf	height	light passage + 24	$2100 + 24 = 2124$
	fixed leaf	width	light passage - 800 - 5	$1200 - 800 - 5 = 395$
	fixed leaf	height	light passage + 24	$2100 + 24 = 2124$

ALUMINUM COVERING thickness 7 mm for TWO LEAF DOOR120x210.80 RIGHT



External panel	openable leaf	width	light passage + 22	$800 + 20 = 820$
	openable leaf	height	light passage + 3	$2100 + 2 = 2102$
	fixed leaf	width	light passage - 800 - 27	$1200 - 800 - 28 = 372$
	fixed leaf	height	light passage + 3	$2100 + 2 = 2102$
Small leaf stopper		height	light passage - 7	$2100 - 7 = 2093$

PVC COVERING THICKNESS 12 mm per TWO LEAF DOOR 120x210.80 RIGHT



SECTION OF SMALL LEAF STOPPER

Internal panel	openable leaf	width	light passage + 50	$800 + 50 = 850$
	openable leaf	height	light passage + 18	$2100 + 18 = 2118$
	fixed leaf	width	light passage - 800 - 18	$1200 - 800 - 18 = 382$
	fixed leaf	height	light passage + 18	$2100 + 18 = 2118$
External panel	openable leaf	width	light passage + 20	$800 + 20 = 820$
	openable leaf	height	light passage + 2	$2100 + 2 = 2102$
	fixed leaf	width	light passage - 800 - 14	$1200 - 800 - 14 = 386$
	fixed leaf	height	light passage + 2	$2100 + 2 = 2102$
Internal corner	openable leaf	width	light passage + 65	$800 + 65 = 865$
	openable leaf	height	light passage + 24	$2100 + 24 = 2124$
	fixed leaf	width	light passage - 800 - 5	$1200 - 800 - 5 = 395$
	fixed leaf	height	light passage + 24	$2100 + 24 = 2124$
Smaller leaf stopper		height	light passage - 8	$2100 - 8 = 2092$

Dolmen CS Model Armored Door

It is an armored door with HIDDEN HINGES, robust and discreet.

FLUSH TO THE WALL



Model:
Dolmen CS
View:
interior
Mounting:
interior
Covering:
***Bleached dur-
mast line***

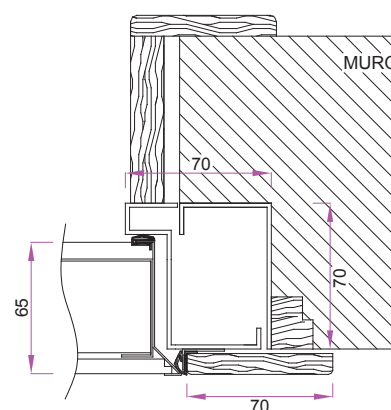




Interior view of frame



Lock in detail



DOLMEN CS door frame "A", interior placement

Dolmen CS



Handle in detail

Model: ***Dolmen CS***
View: ***Interior***
Mounting: ***interior***
Covering: ***Brushed yellow pine Ral 9006***



EXTERIOR PLACEMENT

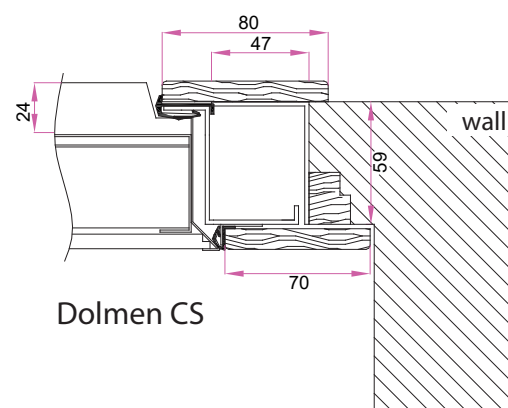
This is a bit of an unusual solution but is beautiful nonetheless. The door covering is of the same thickness as the trim so that they are on the same plane. This style is available also on the Dolmen CS with hidden hinges as well as the Dolmen model with visible hinges.



Model: **Dolmen CS**
View: **exterior**
Mounting: **exterior**
Covering: **Zebrano 24 mm**
Handle: **Steel 102**

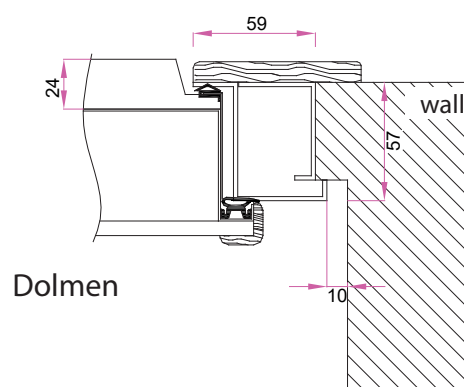


Door covering and trim on same plane.



Dolmen CS

DOOR FRAME "Ar" exterior placement, plaster wall finish



Dolmen

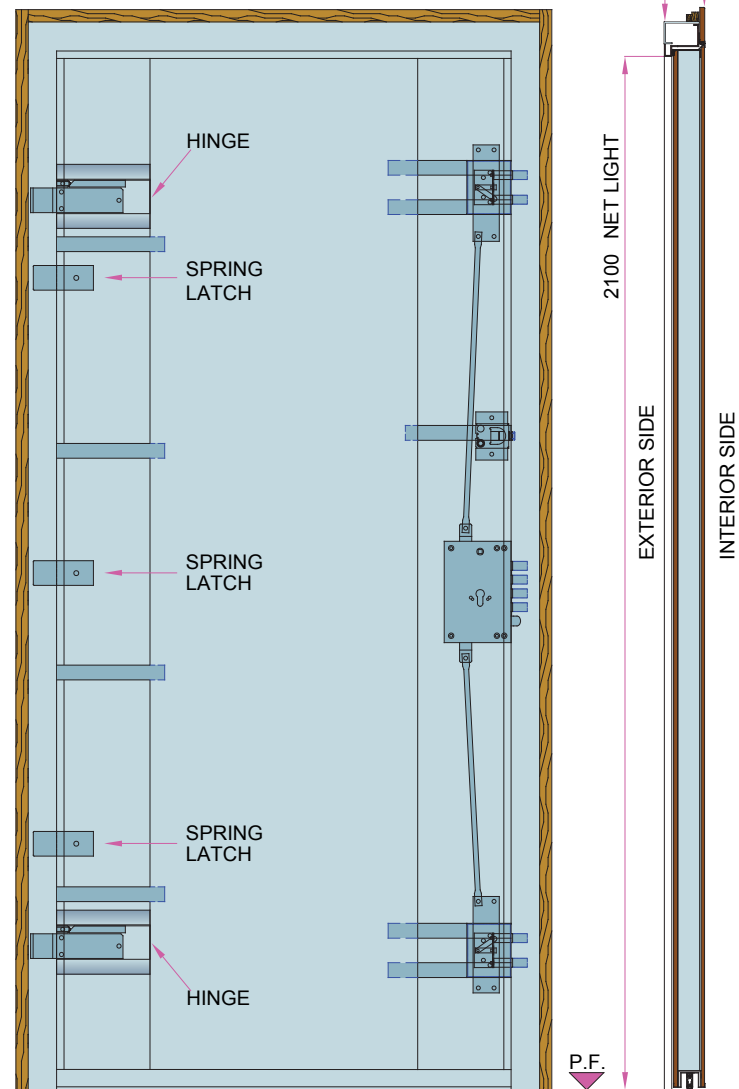
DOOR FRAME "Br" exterior placement, plaster wall finish

Dolmen CS

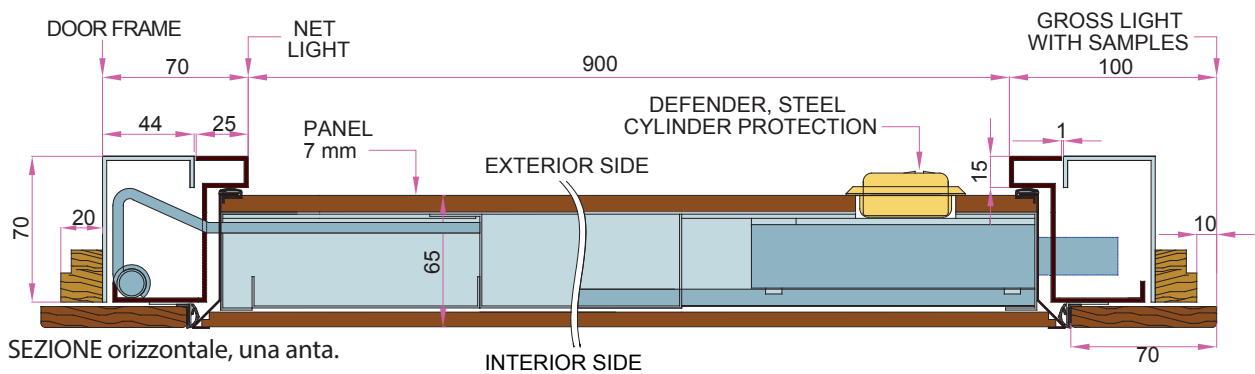
HIDDEN HINGES three axes, opening 105 °. It can be mounted only on cassamatta "A"



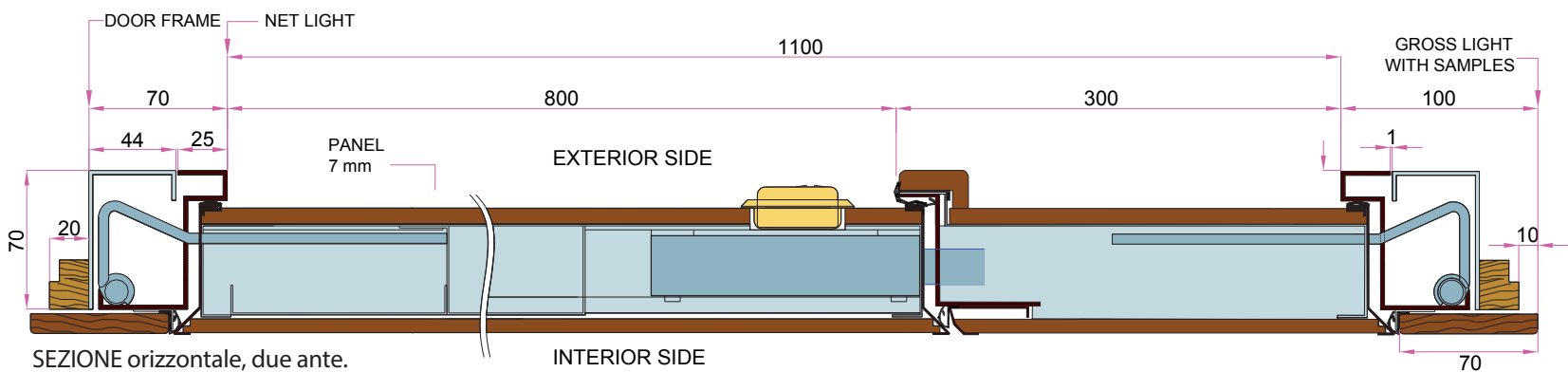
BODY without inside coating.



INTERNAL view and vertical section.

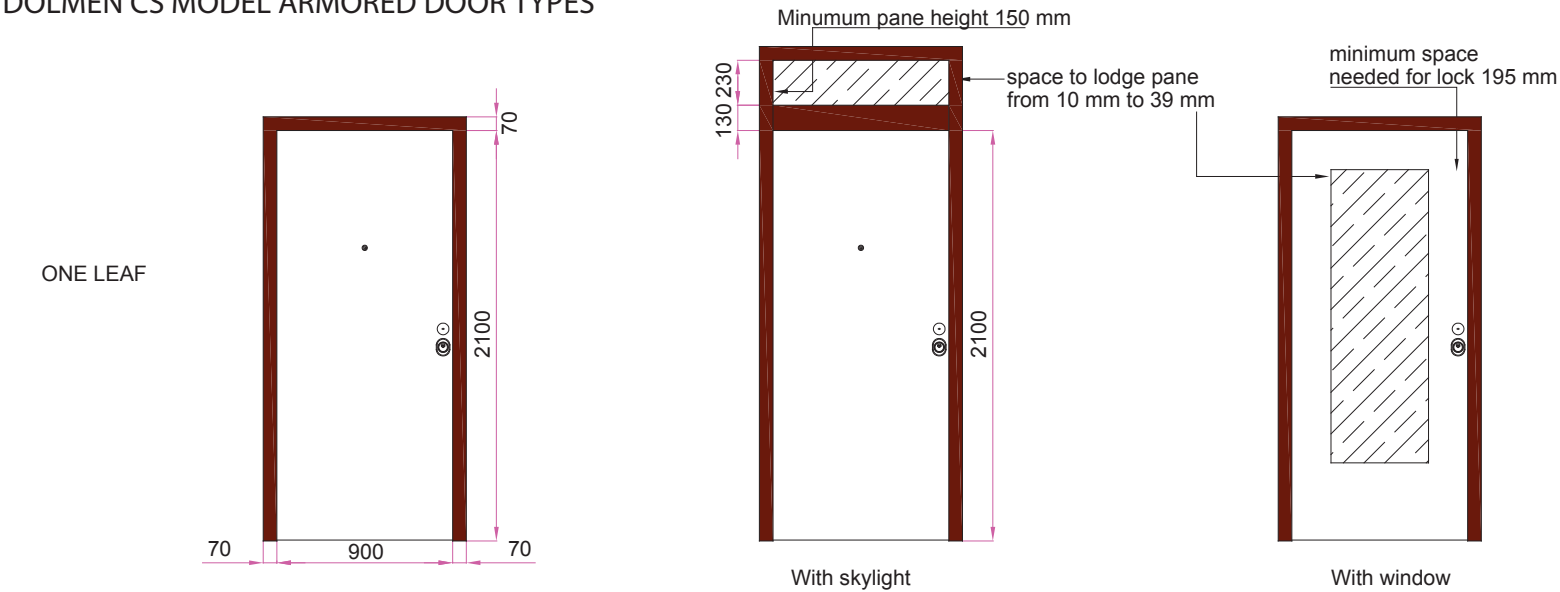


SEZIONE orizzontale, una anta.

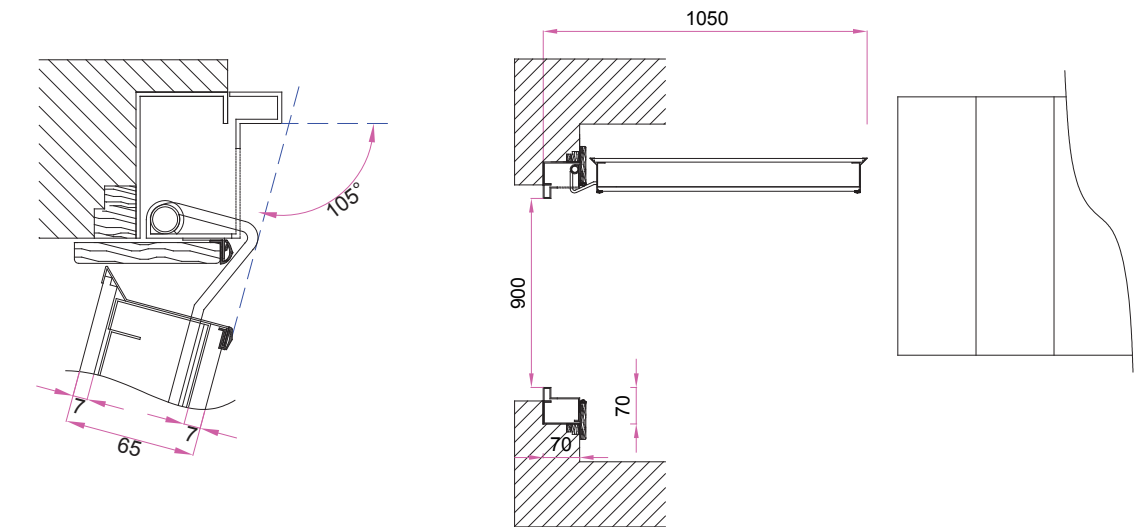
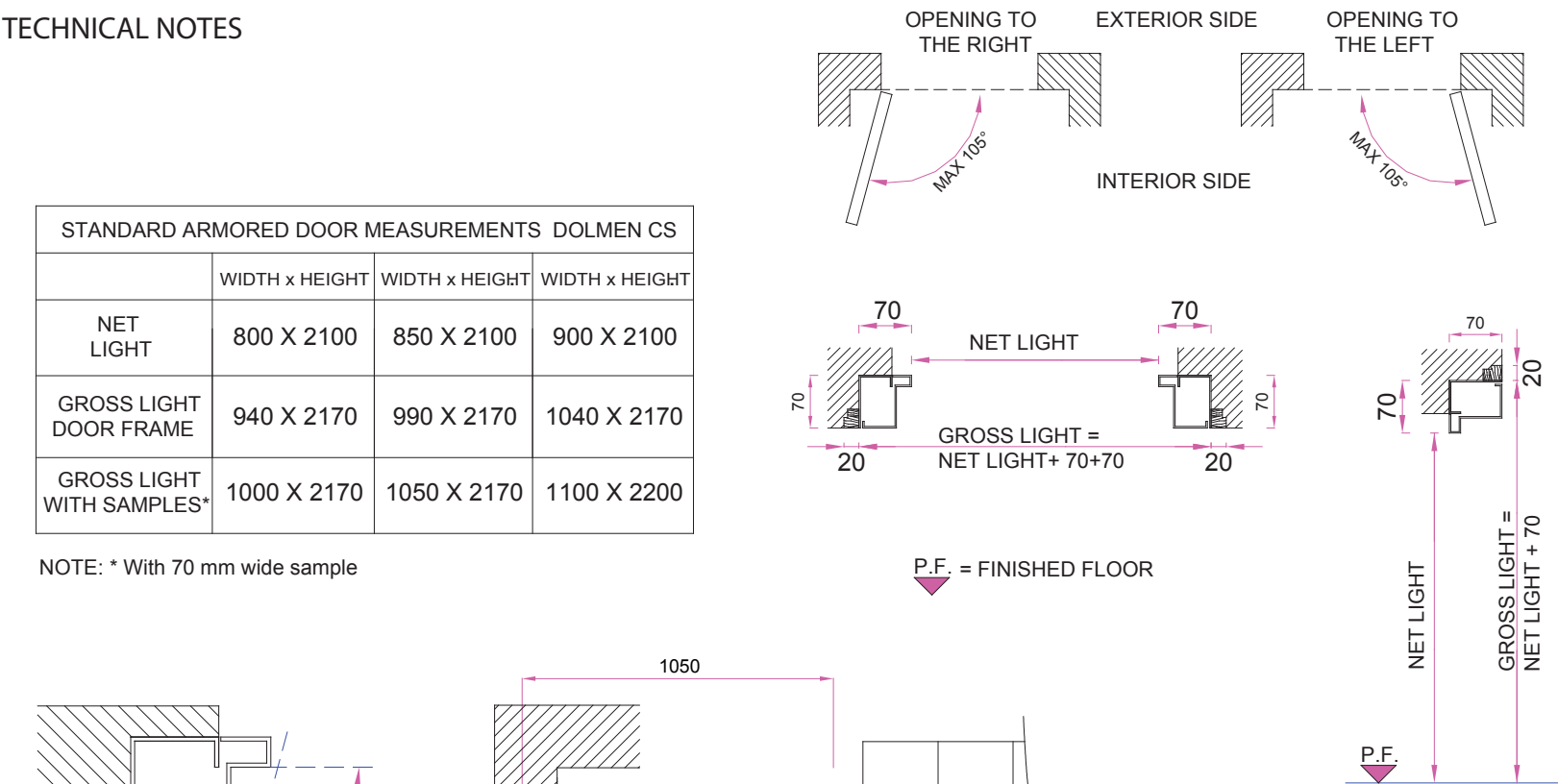


SEZIONE orizzontale, due ante.

DOLMEN CS MODEL ARMORED DOOR TYPES



TECHNICAL NOTES



TECHNICAL NOTES:

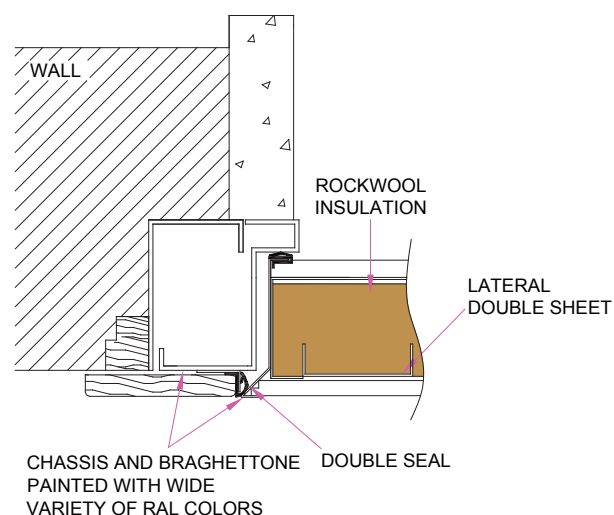
- Maximum aperture is 105°.
- When the door is open at 90° the entrance is 105 cm wide.
- Net Light (Ex.90x210) it is necessary to add at least 7 cm to each side in order to mount the door; and 10 cm per side to mount the trim 7x1.
- ATTENTION, when placed in the center of the wall, add 9 cm to the net light on each side or else the door will not open to 90°.

GLOVE series covering

Steel frame thickness 2 mm, body armored door galvanized steel thickness 1 mm, omega unique interior (double sheet) 1 mm thick galvanized steel, double-switch top and bottom, double reinforcement switches in galvanized steel thickness 2 mm, n ° 3 bolts clamp provided 50x5, No. 2 hinges ball with recording three axes, lock without European cylinder, panoramic peephole 180 °, handles in aluminum, polished brass or satin chrome, insignia entrance key snap with hidden screws, double side plate, kit thermal acoustic, chassis and braghettone painted RAL colors (dark brown matt, 1013, 6005, 7035, 8017, 9005, 9006, 9010, 9016 *, 8019 orange peel, P7100 green mix, P7200 brown mix).



Dolmen CS model GLOVE series, interior view.



GLOVE series section.

Test results on Dolmen CS model blind armored door single leaf or with a window with P20 glazing, net light between 109x240 cm:

Anti-Burglary:	Uni En 1627-30, testing method and classification	class 3
Air permeability:	Uni En 1026 testing method, Uni En 12207 classification	class 2
Water Holding:	Uni En 1027 testing method, Uni En 12208 classification	class NPD**
Wind Resistance:	Uni En 12211 testing method, Uni En 12210 classification	class C5
Thermal transfer:	Uni En Iso 10077/1-2 testing method, results	Ud = 1.49 W/m ² K
Acoustic isolation:	Uni En Iso 140/3 testing method, En Iso 717-1, results	Rw 45 dB

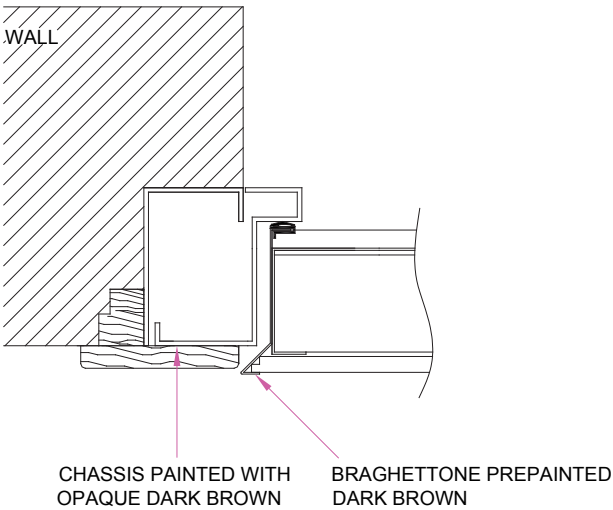
MINERVA series covering

(minimum 10 doors, only one leaf doors with standard measure blind flank net light 80-85-90x210 cm)

Steel frame thickness 2 mm, body armored door galvanized steel thickness 1 mm, omega unique interior (double sheet) 1 mm thick galvanized steel, double-switch top and bottom, double reinforcement switches in galvanized steel thickness 2 mm, n ° 3 bolts clamp provided 50x5, No. 2 hinges ball with recording three axes, lock without European cylinder, panoramic peephole 180 °, bronzed aluminum handles, trims entrance key snap with hidden screws, braghettone prepainted dark brown, frame painted dark brown, self-leveling draft excluder.
(This panel lacks all the items highlighted in the GIOVE series).



Dolmen CS model MINERVA series, interior view.



MINERVA series section.

Test results on Dolmen CS model armored door single leaf blind flank.

Anti-Burglary:	Uni En 1627-30, testing method and classification		class 3
Air permeability:	Uni En 1026 testing method, Uni En 12207 classification		class 1
Water Holding:	Uni En 1027 testing method, Uni En 12208 classification		class NPD
Wind Resistance:	Uni En 12211 testing method, Uni En 12210 classification		class C5
Thermal transfer:	Uni En Iso 10077/1-2 testing method, results		Ud = 2.44 W/m²K
Acoustic isolation:	Uni En Iso 140/3 testing method, En Iso 717-1, results		Rw 31 dB

PARTICULAR CLOSURES AND OPTIONAL Dolmen CS model features



HIDDEN HINGES vertical adjustment.*.



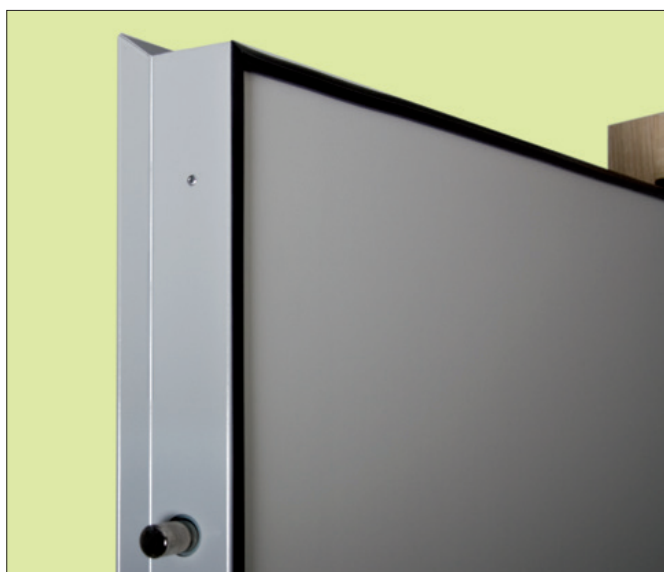
HIDDEN HINGES horizontal adjustment



HIDDEN HINGES planar adjustment



ROSTRUM clamp 50x5.



BRAGHETTONE PROFILE

MOUNTING DOOR FRAME

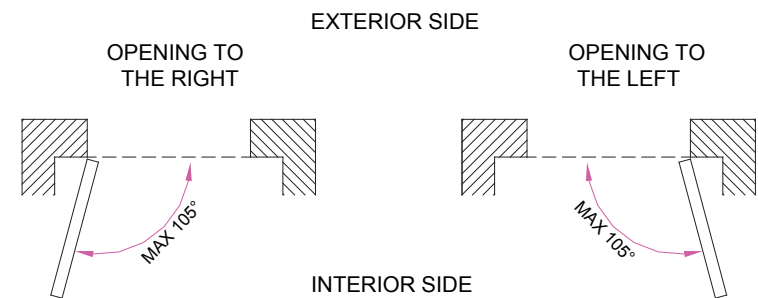
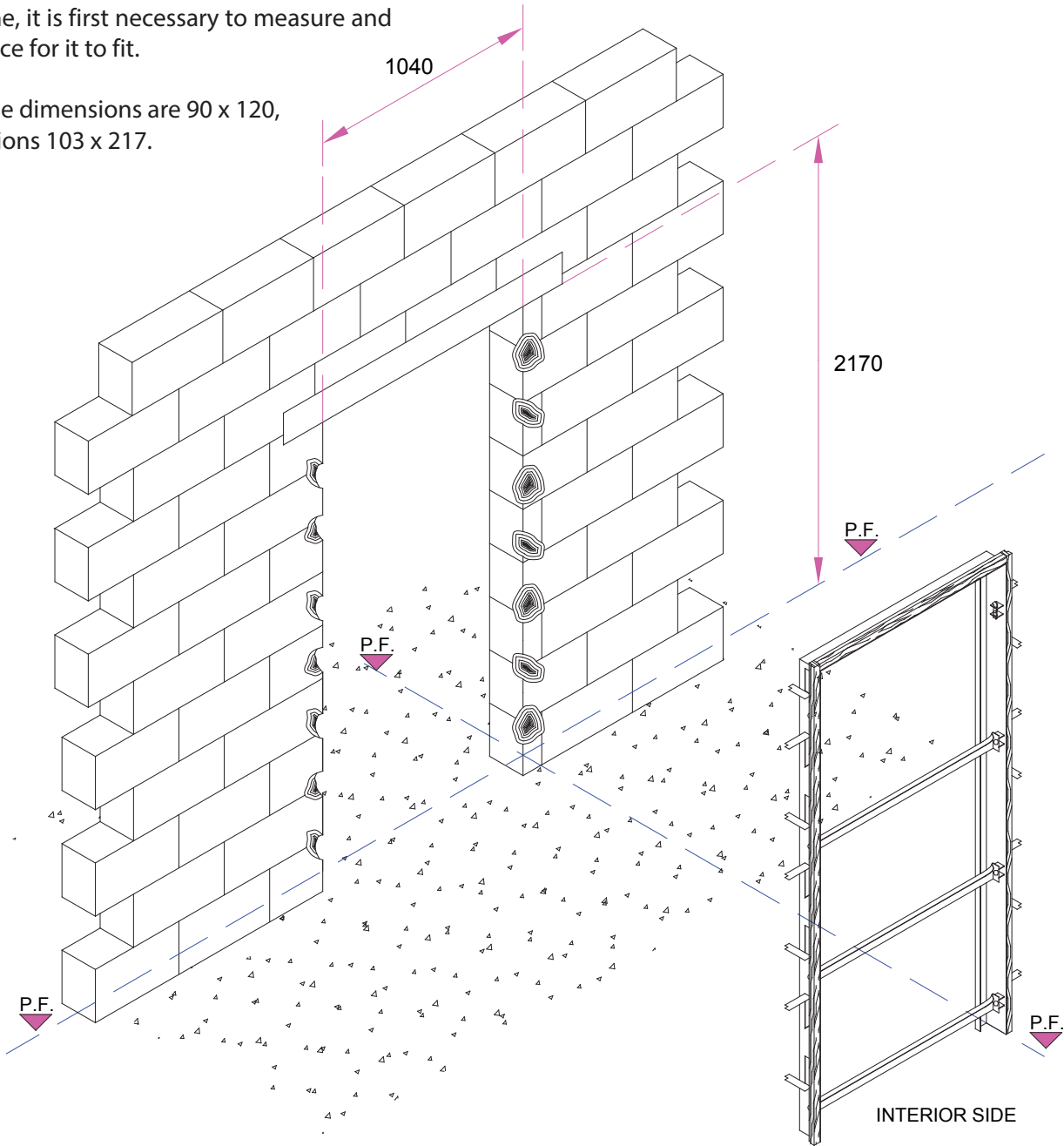
In order to mount the door frame, it is first necessary to measure and be sure that there is enough space for it to fit.

Example:
in order to fit a door frame whose dimensions are 90 x 120,
the bare wall must have dimensions 103 x 217.

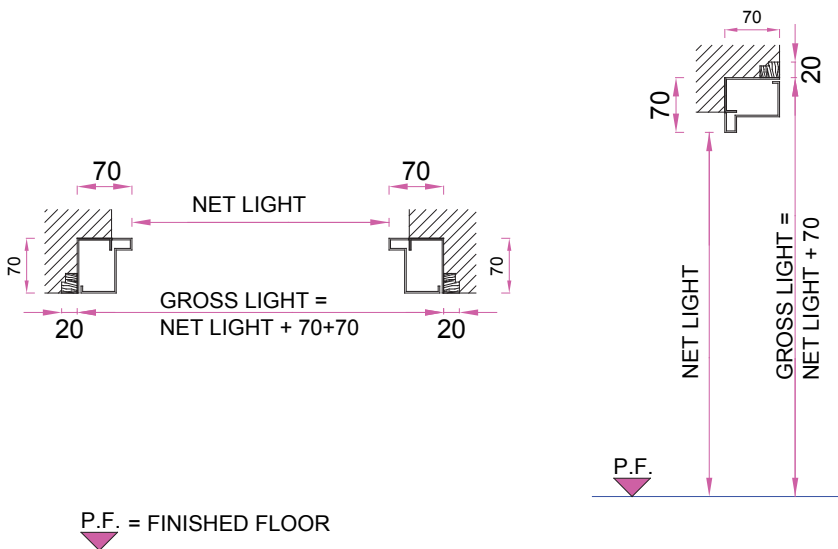
All clamps must be opened,
then the door frame can be
moved closer to the wall. The
points of insertion must then be
marked before the cementing
can begin.

- Attention:
- Position the door frame on the Finished Floor (pavement). Disassemble the cementing rods (after 24 hours).
 - Do not throw away the galvanized U-brackets, they will serve to anchor the frame.

Note: the door frame has 7 U-brackets on each side, these are more than enough. If, for some reason, it is not possible to cement all U-brackets it is acceptable to cement only 4 per side. Attention: the first U-bracket on the bottom must always be cemented.



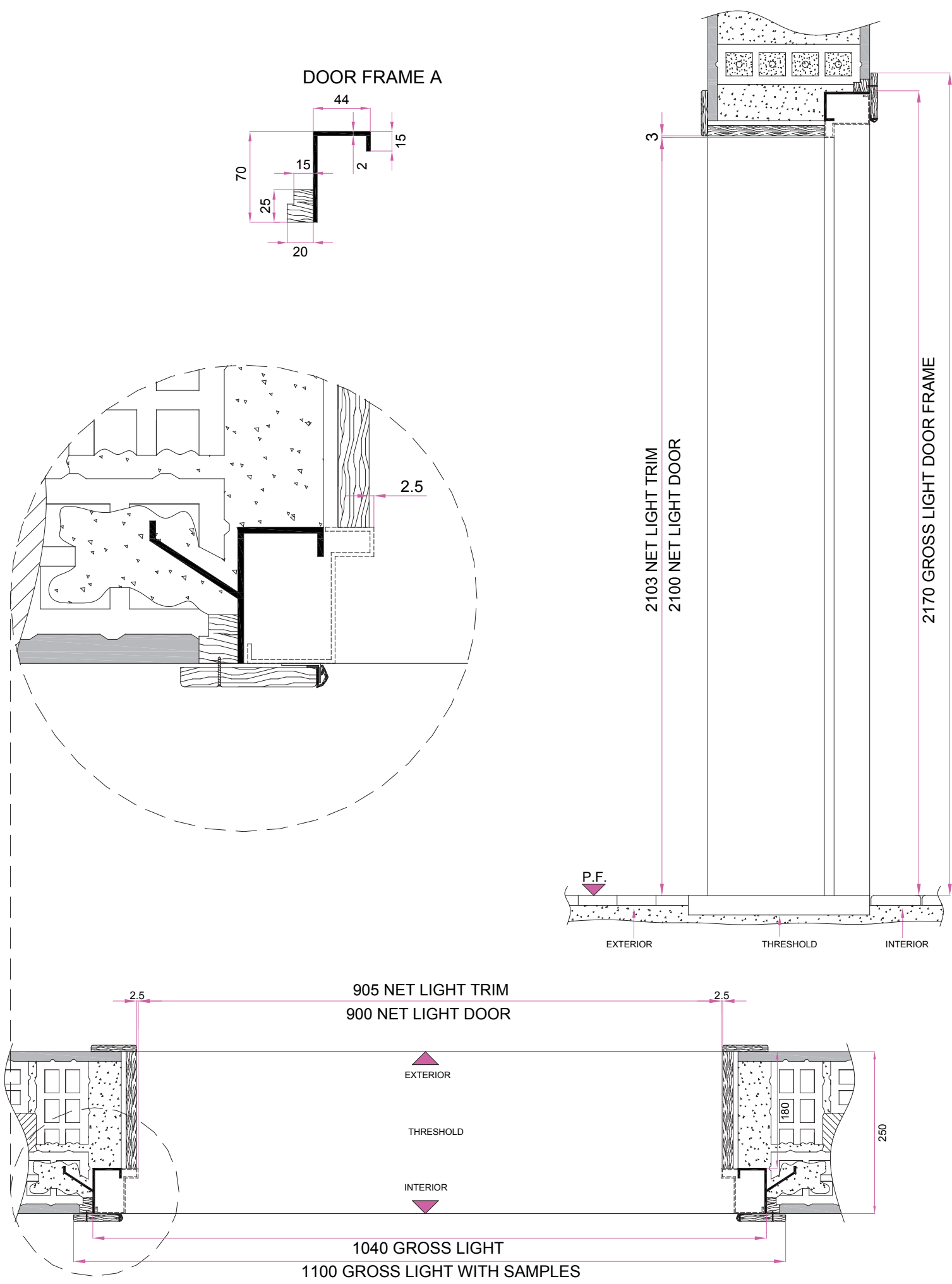
STANDARD MEASUREMENTS FOR DOLMEN CS			
	WIDTH x HEIGHT	WIDTH x HEIGHT	WIDTH x HEIGHT
NET LIGHT	800 X 2100	850 X 2100	900 X 2100
GROSS LIGHT DOOR FRAME	940 X 2170	990 X 2170	1040 X 2170
GROSS LIGHT WITH SAMPLES*	1000 X 2170	1050 X 2170	1100 X 2200



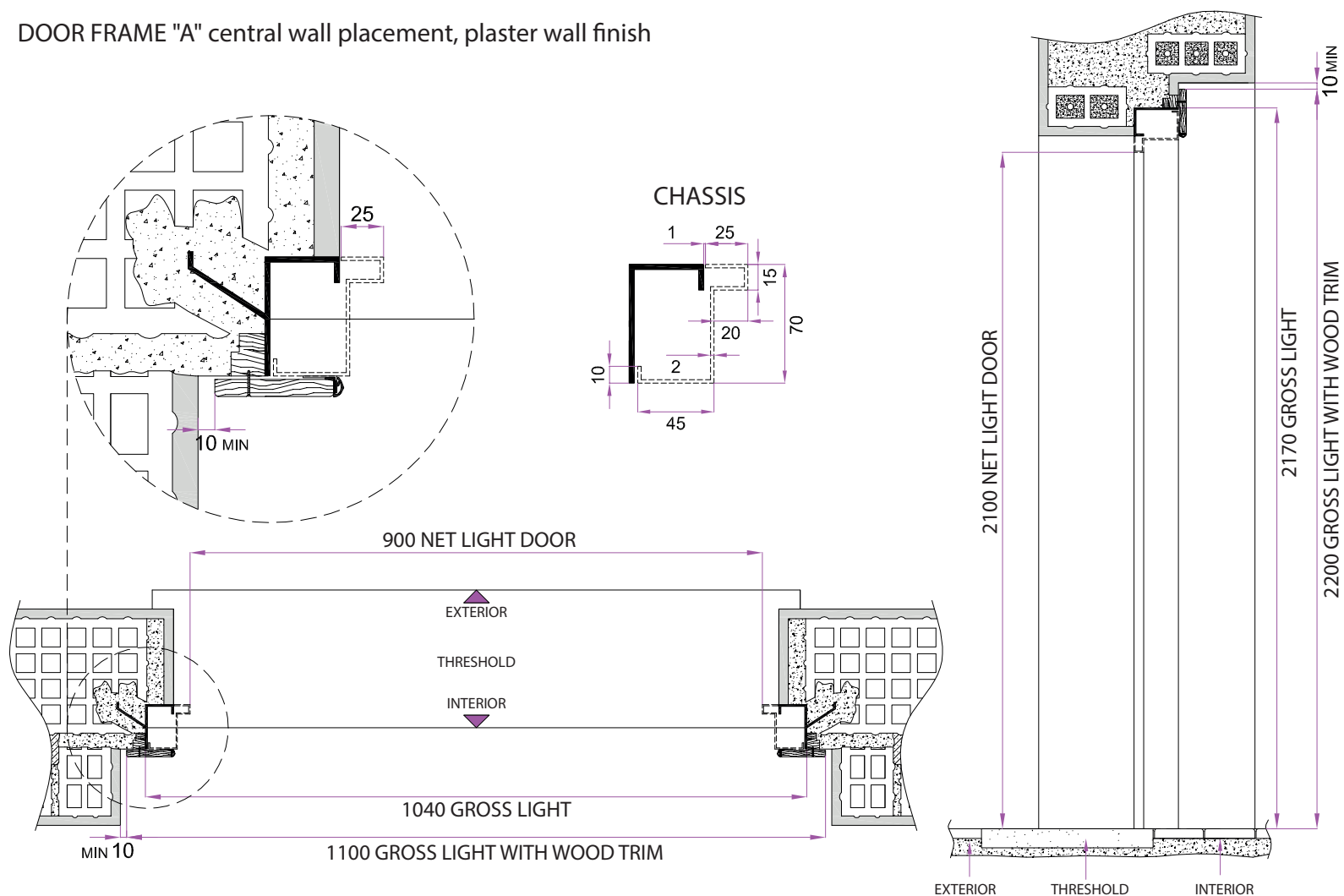
NOTE: *With 70 mm wide samples

Dolmen CS

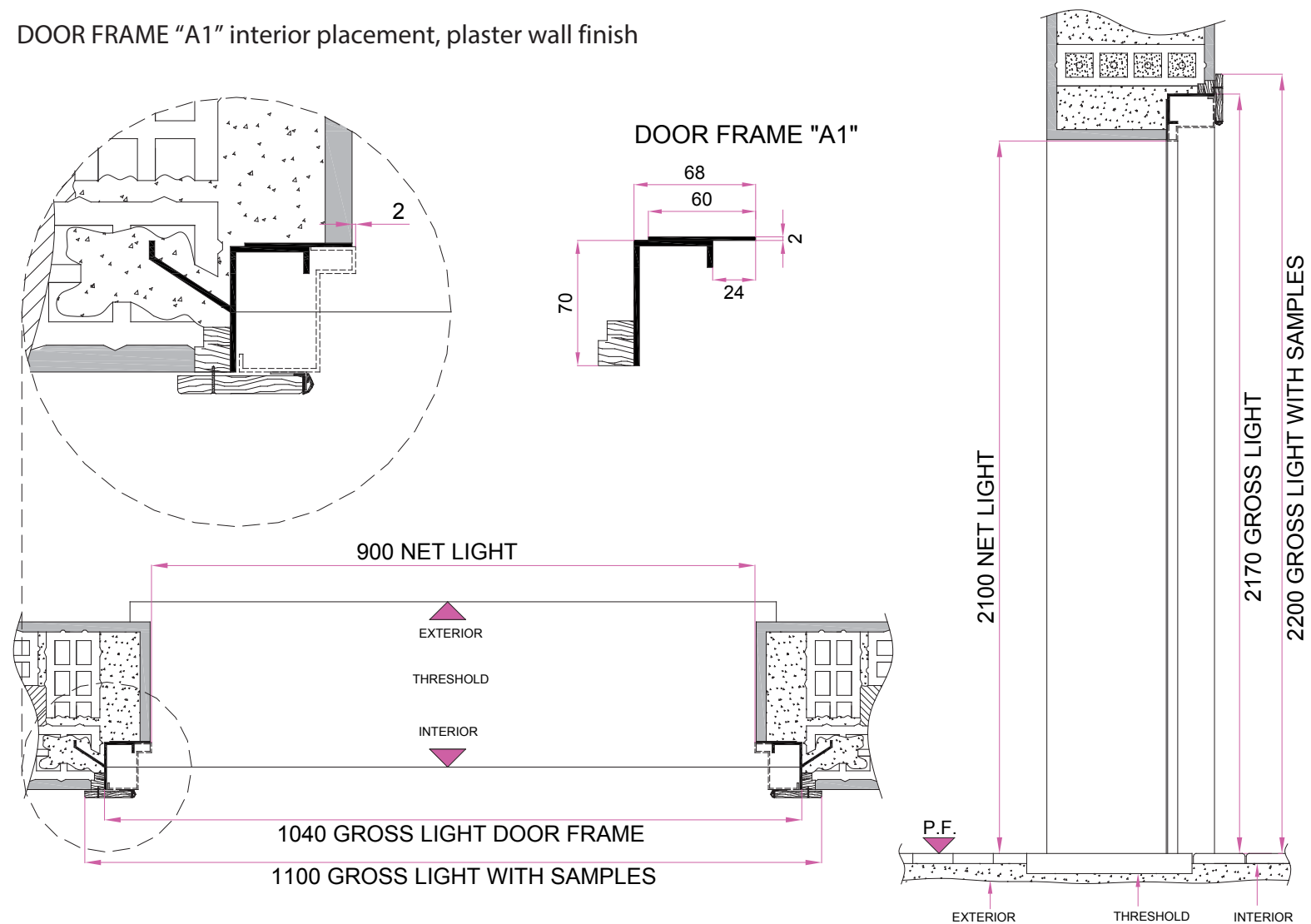
DOOR FRAME "A" interior placement, wood trim finish



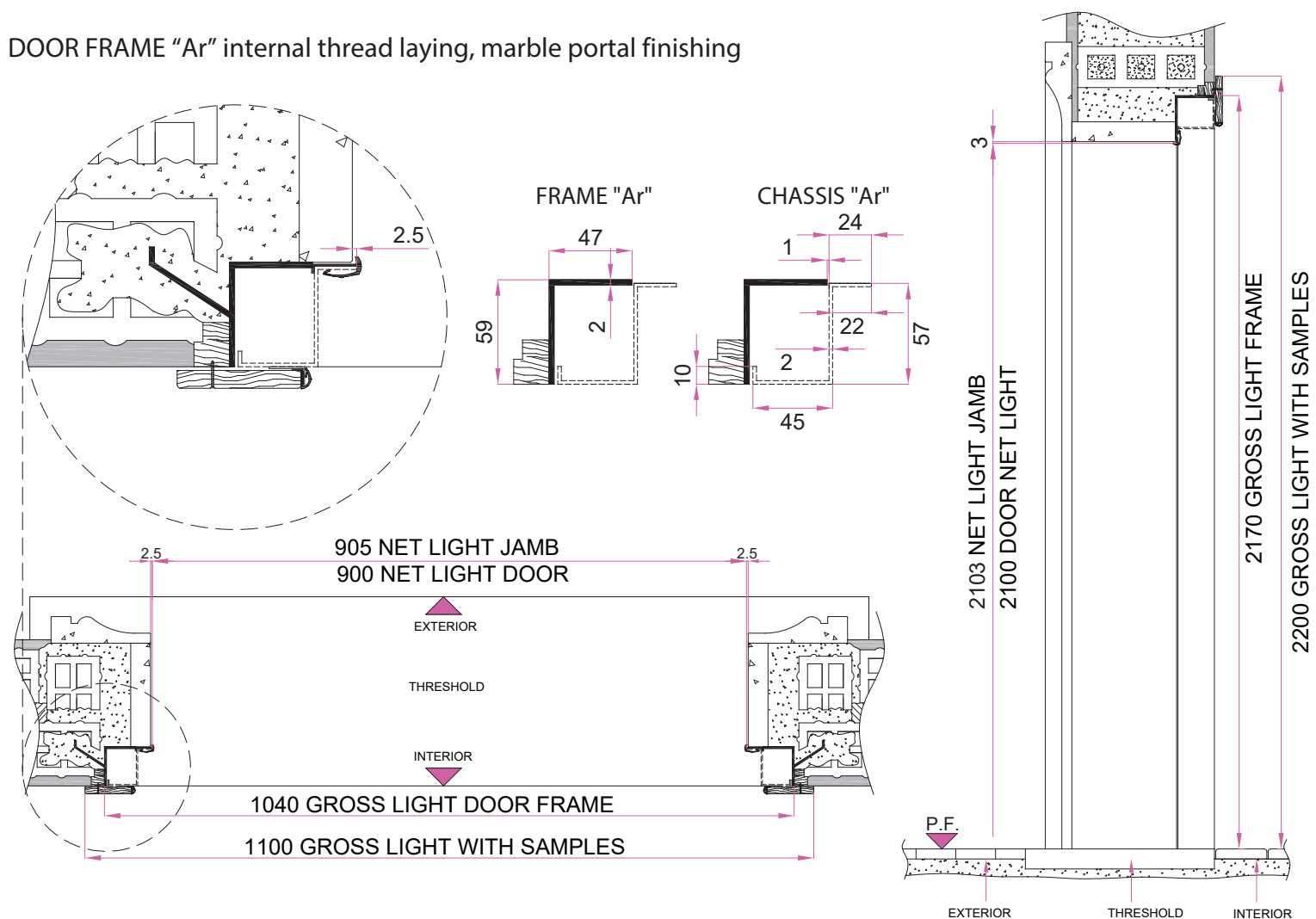
DOOR FRAME "A" central wall placement, plaster wall finish



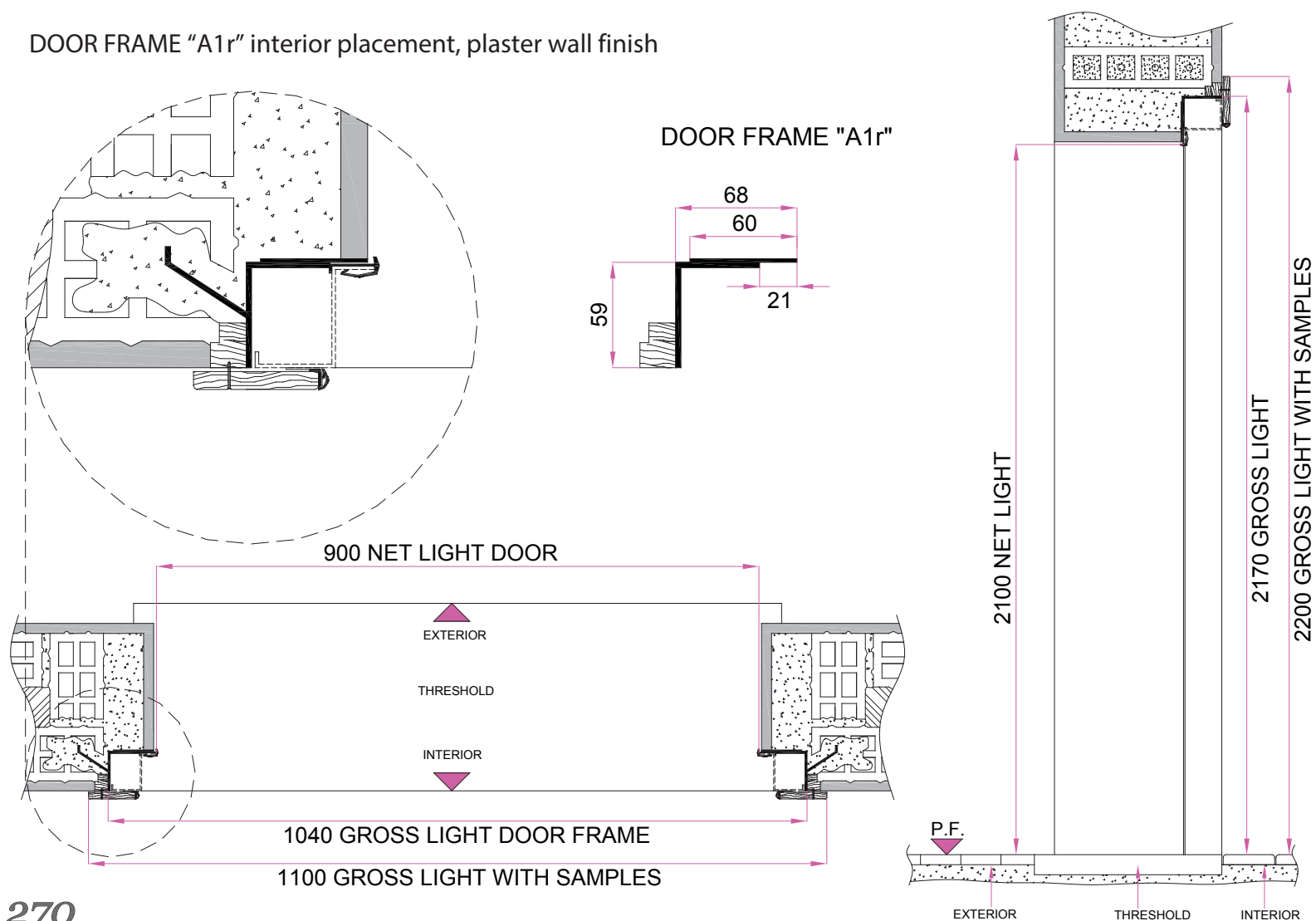
DOOR FRAME "A1" interior placement, plaster wall finish



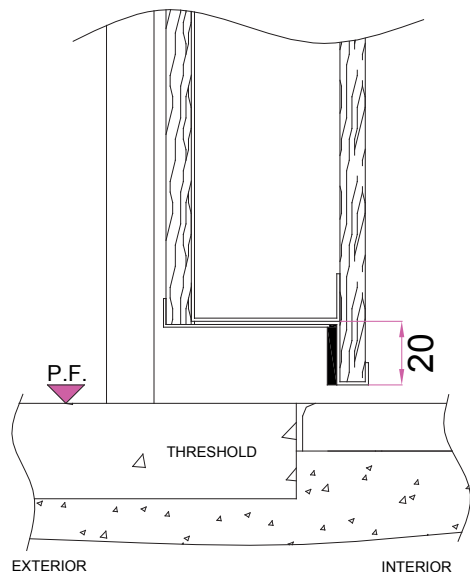
DOOR FRAME "Ar" internal thread laying, marble portal finishing



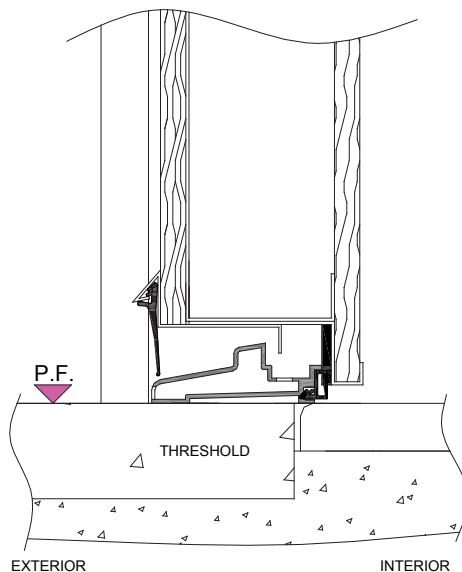
DOOR FRAME "A1r" interior placement, plaster wall finish



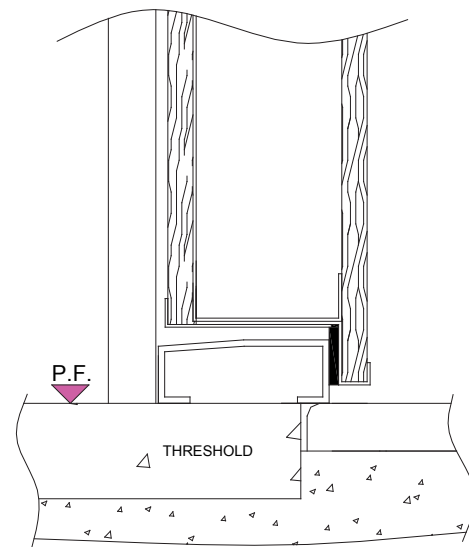
VISIBLE STOPPER 20 mm



DOOR WITH ONLY VISIBLE STOPPER

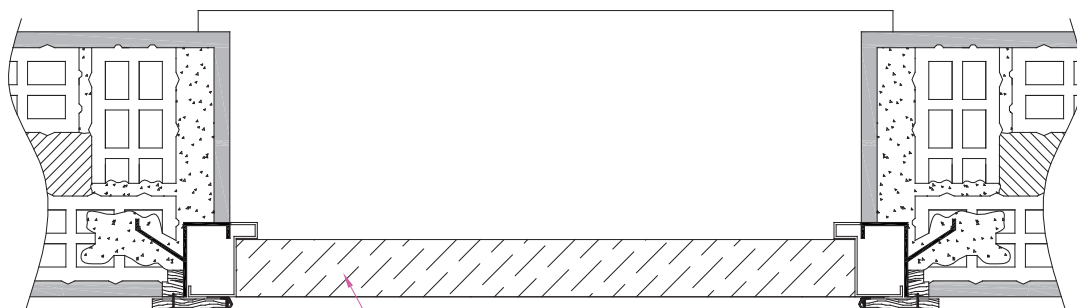


DOOR WITH VISIBLE STOPPER +
ALUMINUM STOPPER KA 19
(used for the water kit)



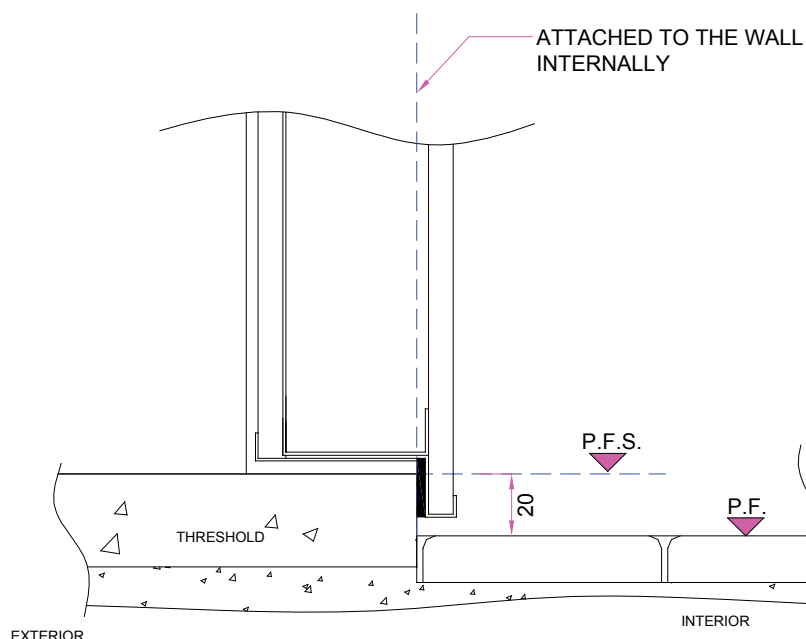
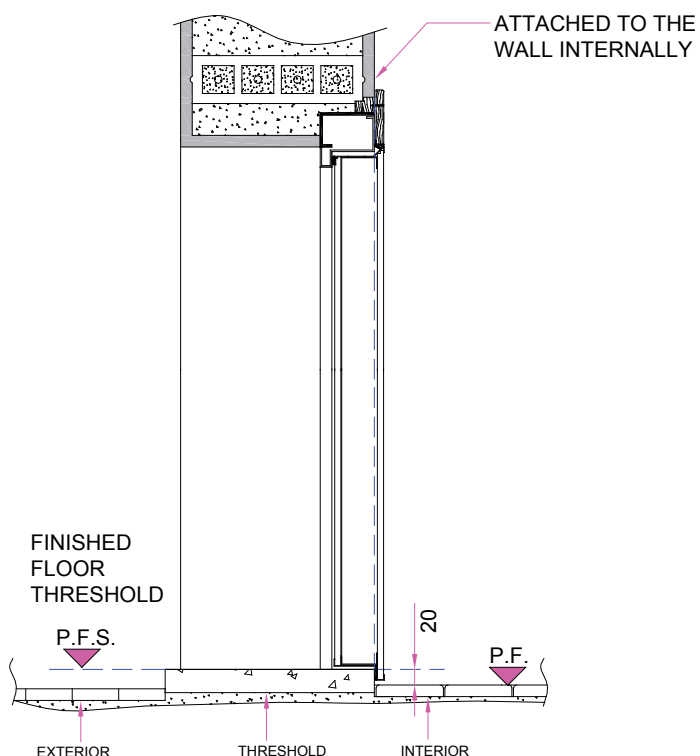
DOOR WITH VISIBLE STOPPER +
ALUMINUM STOPPER N 54x20
(no performance declared for water holding)

INSTRUCTIONS FOR MOUNTING THE ALUMINUM BAR STOPPER: position the aluminum bar stopper between the chassis uprights laying it on the stopper, mark the perimeter with a pencil. Remove the stopper, extend it on the pavement, in between the marks, place a layer of transparent acetic silicone. Lastly reposition the stopper in place, applying pressure in order to make it adhere to the pavement, secure with masking tape. Leave the tape for at least 6 hours. It is fundamental to put silicone also on the perimeter of the chassis, going back over by a centimeter or two over the chassis so as to assure a perfect seal.

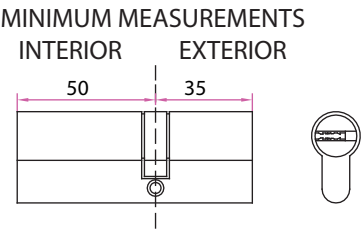


ALUMINUM STOPPER POSITION KA 19 and N 54x20

NON VISIBLE STOPPER 20 mm



CYLINDER MEASURMENTS FOR EACH PANEL MODEL THICKNESS DOLMEN CS



INTERIOR	EXTERIOR
50 PANEL THICKNESS 7 mm	35 PANEL THICKNESS 7 - 12 mm
50 PANEL THICKNESS 7 mm	40 PANEL THICKNESS 13 - 15 mm (ex. pantographed)
50 PANEL THICKNESS 7 mm	50 PANEL THICKNESS 16 - 24 mm (ex. hardwood)

ATTENTION: OWNER'S KEYS MUST BE DELIVERED IN A SEALED ENVELOPE.



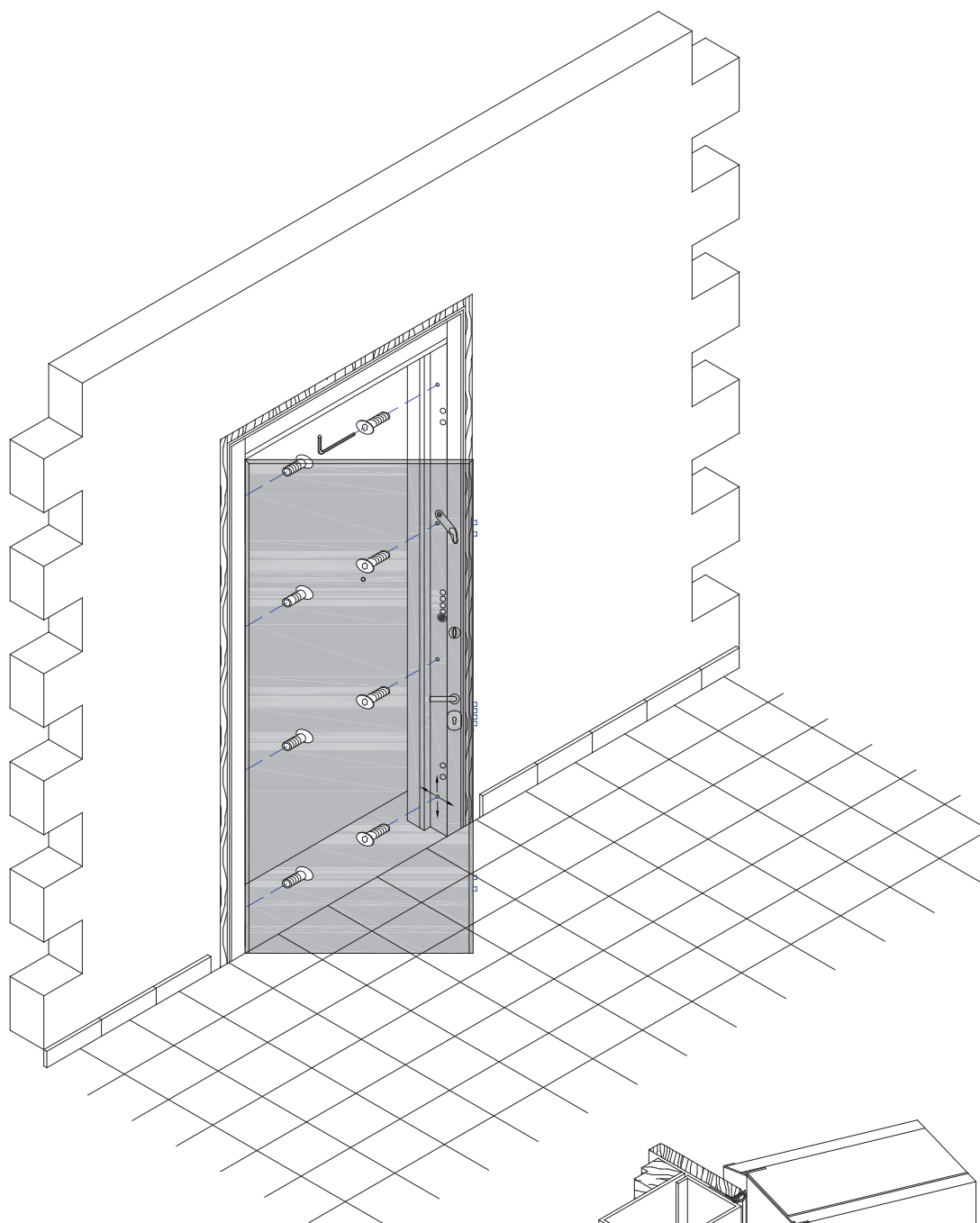
Packing door frame disassembled

DOOR MOUNTING

1

ANCHORING

Remove the rods after the cementing has finished, clean the door frame of any plaster residue. Recommended procedure: place the door and chassis assembled to the door frame, partially tighten the third screw from the bottom, on hinge side for safety reasons. Place the chassis in the door frame well taking care to put the frame flush with the inside with plaster and tighten all screws. Further procedure, at the discretion of the installer, remove the chassis from the door, before anchoring the chassis to the door frame. Place the rod hinge at 90° couple the door and frame by inserting the two rods at the same time up to the point of reference on the hinge and tighten the screw (drawing 4 point B).

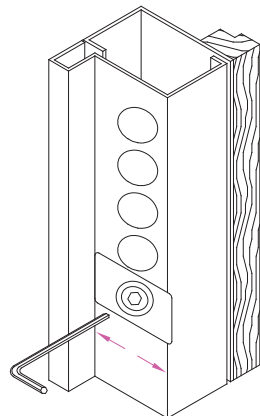


Hex key 5

2

SPRING LATCH

loosen the spring latch inward. Make all adjustments position 3/4/5, to finally position the latch so that the door does not move.

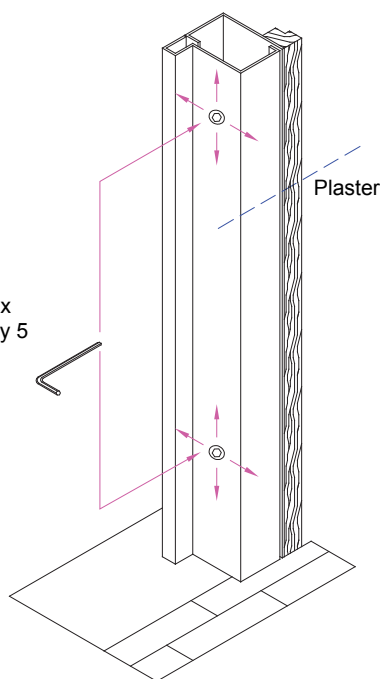


3

UNIFORMITY

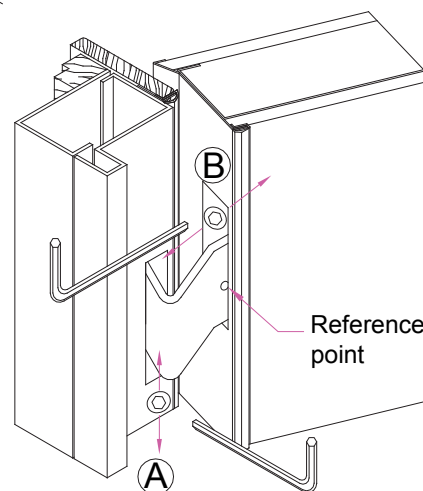
in order for the door to close properly it is necessary to regulate the anchoring. Begin regulating preferably from the two hinges towards the bottom

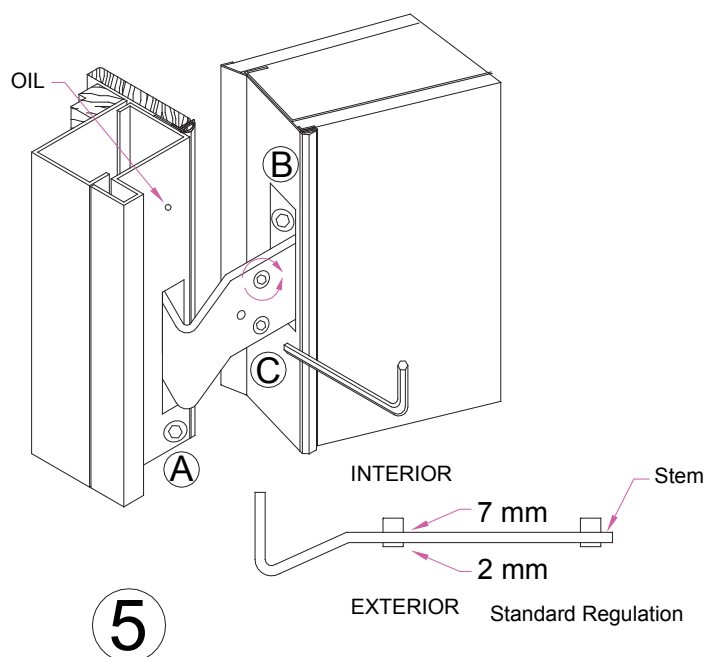
Hex Key 5



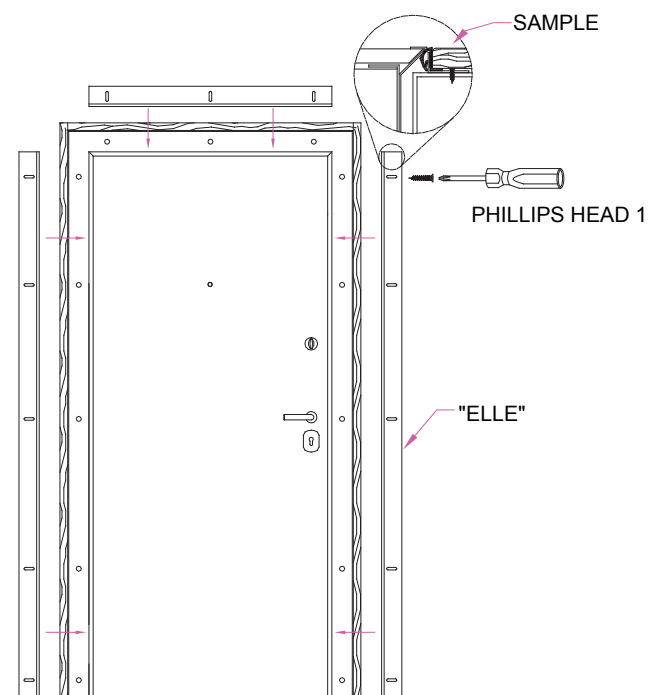
4

- Ⓐ VERTICAL REGISTRATION tightening the screw clockwise the door is raised, turning counter clockwise the door is lowered.
- Ⓑ HORIZONTAL REGISTRATION loosening the screw unlocks the rod inside the seat of the door and you can perform the registration more or less to the point of reference which is located on the hinge. Remove the door from its hinges if necessary.

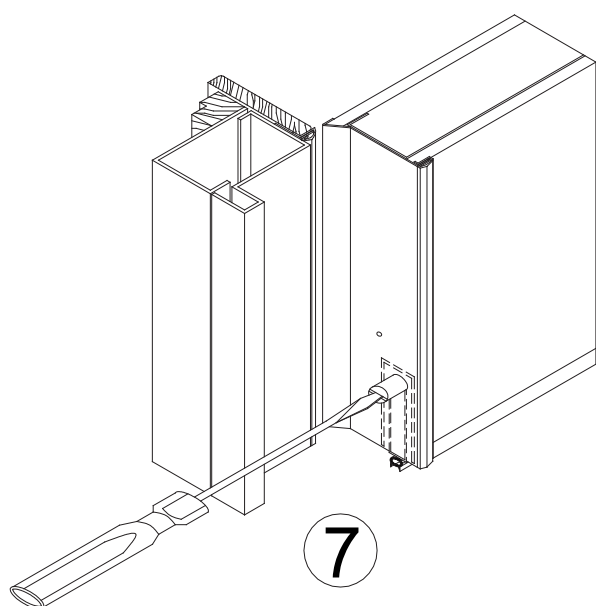




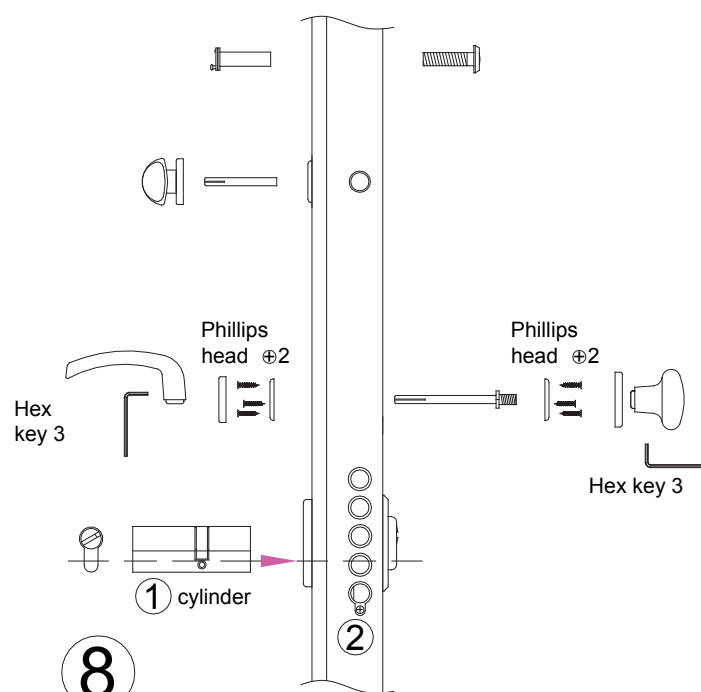
HINGE FLATNESS if it bounces against the door, then we have to adjust the hinge flatness. C. Open the door with an angle exceeding 90°, place a spacer of 5-6 mm at the tip of the door, loosen screw B, pull the stem up to uncover the coupled screws. Turn clockwise to move the door upward (this way the door will not rebound and close). Turning counter clockwise moves the door inward. When finish adjusting, it is important that the screws are adjusted equally, otherwise the stem of the hinge will not remain in place.



SEAL MOUNTING AND ADJUSTMENT The inner side seals complete the support element "ELLE", only on the GLOVE model. It is important to proceed to the adjustment step only after all previous adjustment steps have been completed (through step 5). Then place the seals on the braghettone on the inside until you make uniform contact. Finally, tighten the screws and mount exhibitions.



DRAFT EXCLUDER once the armored door has been adjusted, install the self-leveling draft excluder. Turning clockwise decreases the stroke and drops less, turning counter clockwise increases the stroke and drops more. Adjust the draft excluder so that it drops at the last moment in order to prevent smears on the floor. Beware if the installation is done on a parquet floor still to be painted, leave the draft excluder up so as to avoid sticking.



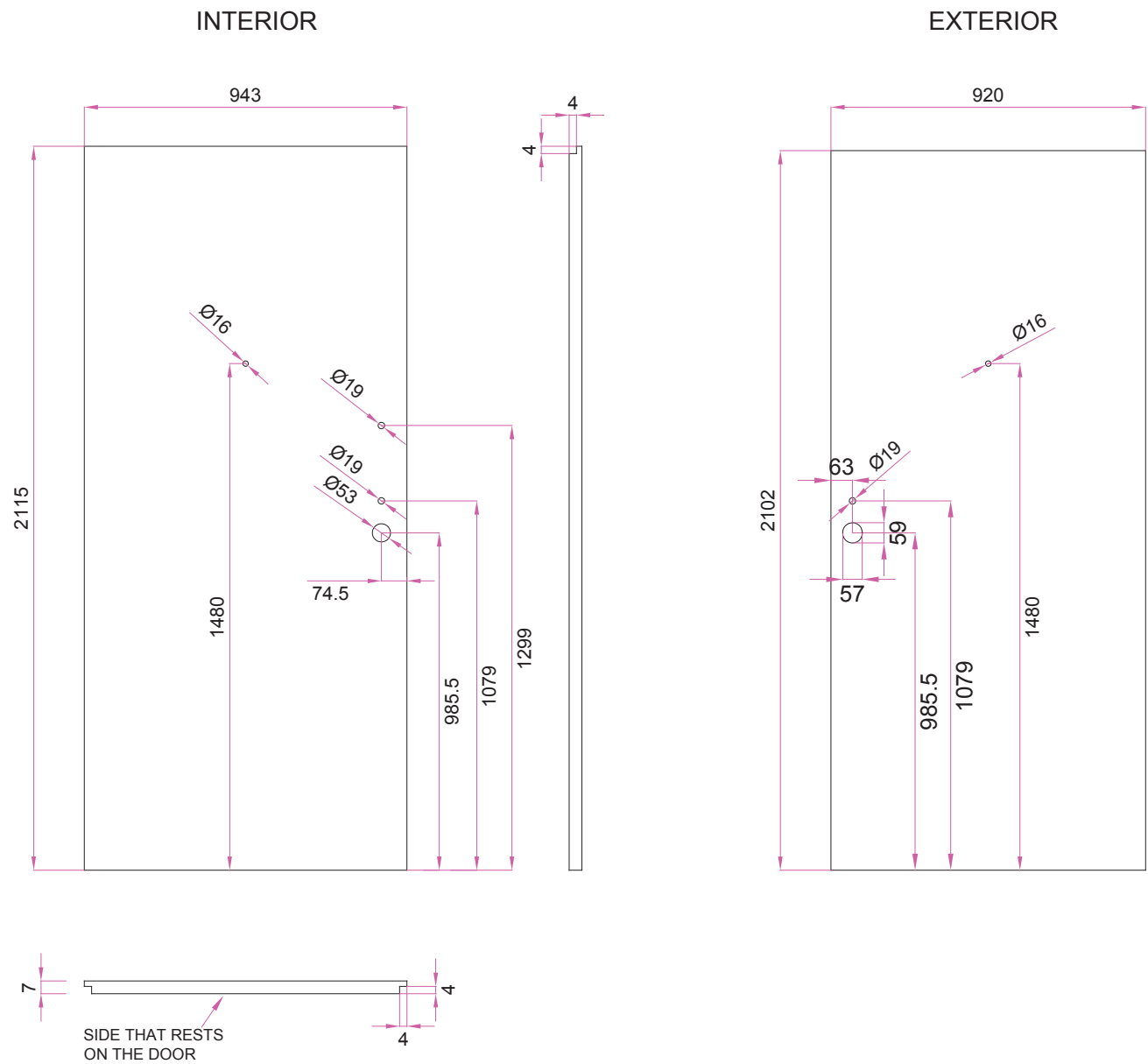
MOUNTING ACCESSORIES

In the box set you will find everything you will need. perform the mounting as shown in the picture. The holes are already made. Recommendations: when mounting the handle, lay it down on the panel well applying pressure and then tighten the hex key

CYLINDER MOUNTING

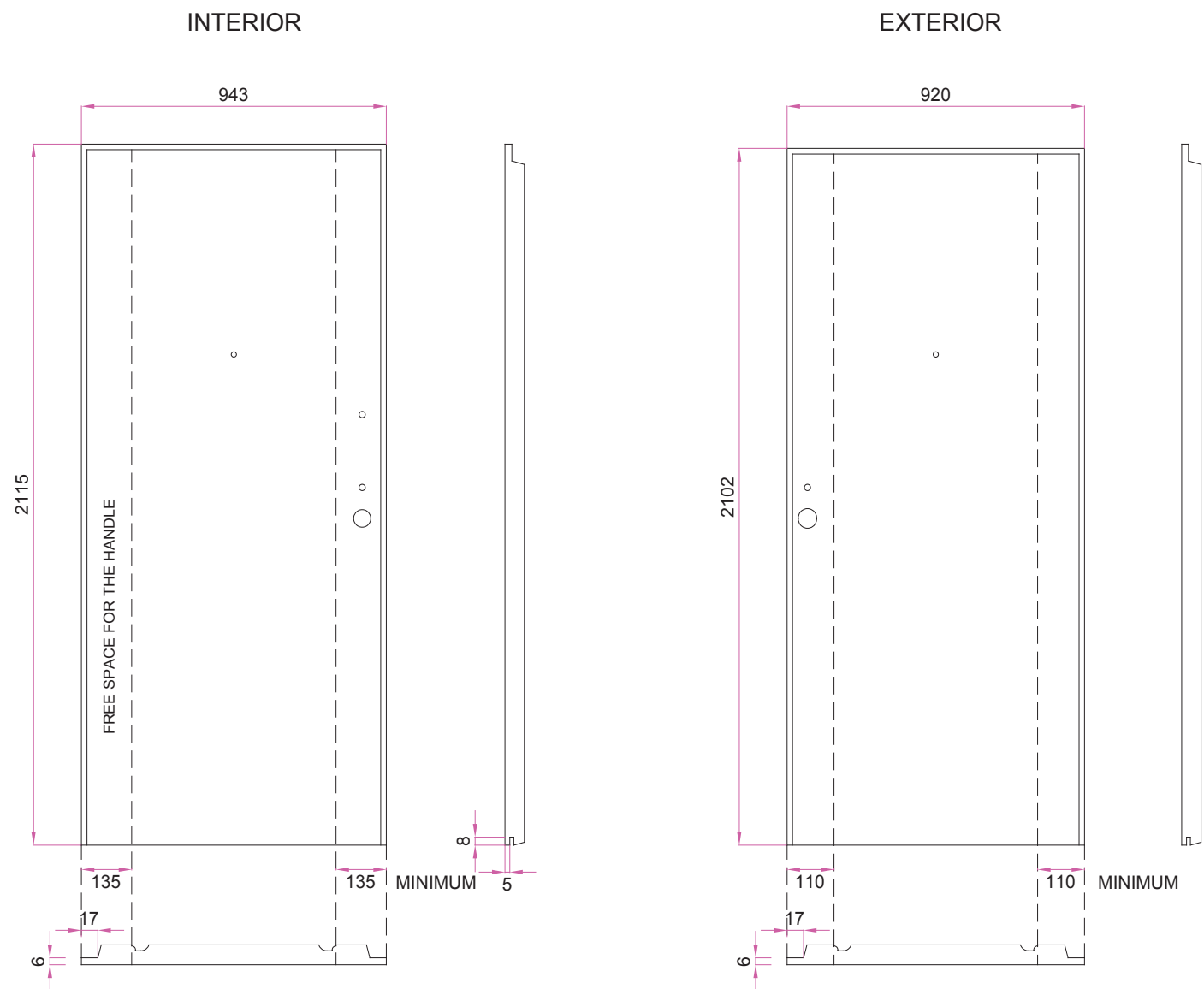
- ① insert cylinder from the interior side
- ② turn the front screw making sure that the cylinder is in the working position.

SMOOTH COVERINGS THICKNESS 7 mm FOR ONE LEAF DOOR 90x210 RIGHT



Internal panel	width	light passage + 43	$900 + 43 = 943$
	height	light passage + 15	$2100 + 15 = 2115$
External panel	width	light passage + 20	$900 + 20 = 920$
	height	light passage + 2	$2100 + 2 = 2102$

SMOOTH COVERINGS THICKNESS 7 mm for TWO LEAF DOOR 120x210.80 RIGHT



Internal panel	openable leaf	width	light passage + 43	$800 + 43 = 843$
	openable leaf	height	luce passaggio + 15	$2100 + 15 = 2115$
	fixed leaf	width	light passage - 800 - 13	$1200 - 800 - 13 = 387$
	fixed leaf	height	light passage + 15	$2100 + 15 = 2115$
External panel	openable leaf	width	light passage + 20	$800 + 20 = 820$
	openable leaf	height	light passage+ 2	$2100 + 2 = 2102$
	fixed leaf	width	light passage - 800 - 14	$1200 - 800 - 14 = 386$
	fixed leaf	height	light passage + 2	$2100 + 2 = 2102$
Small leaf stopper		height	light passage - 8	$2100 - 8 = 2092$



"Camel Residence Center", Montesilvano.



278 "Mediterranea Life" headquarters, Pescara.

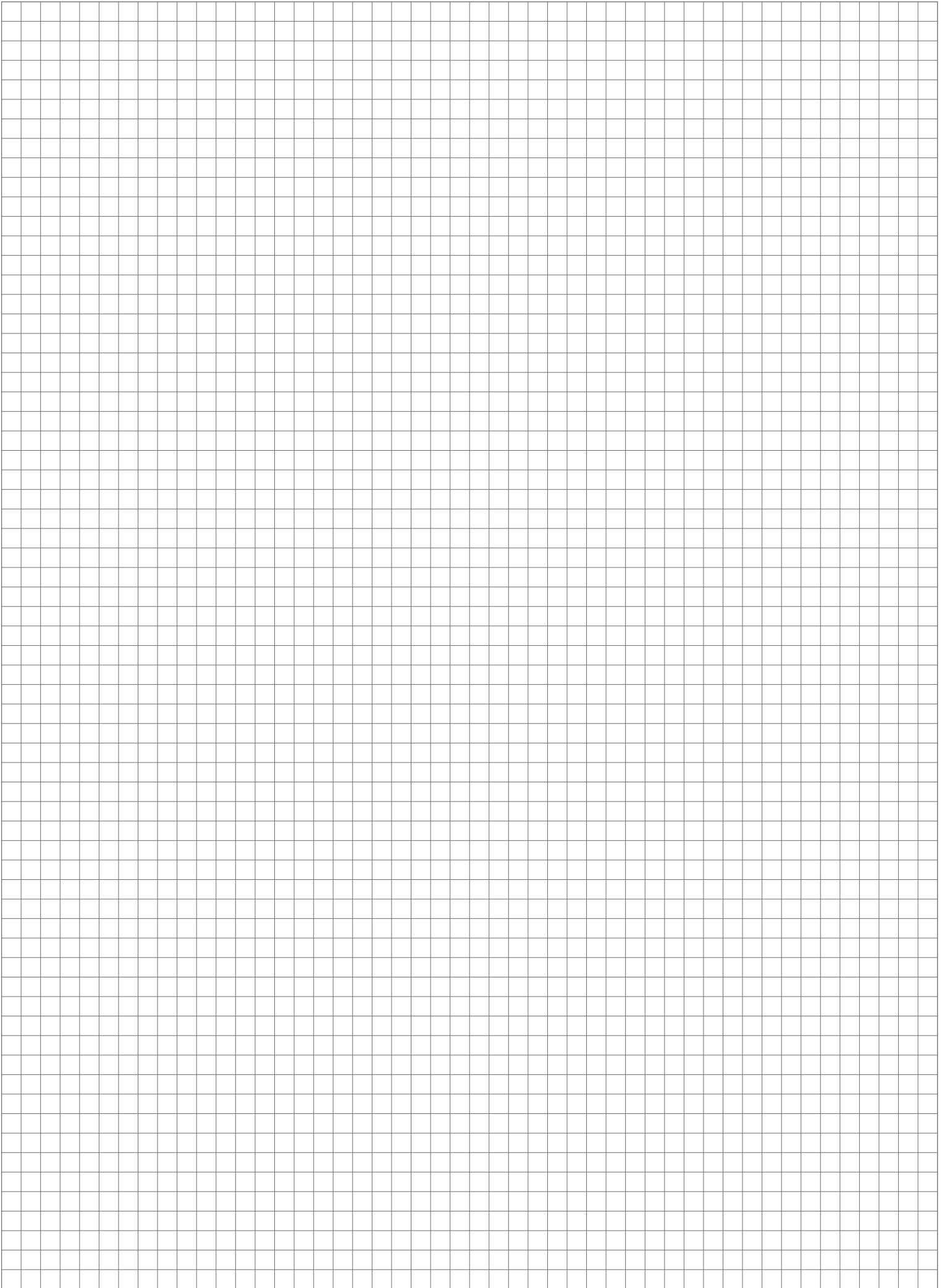


"Mediterranean Village", Chieti.



"S.D.O. Tiburtino" residential district, Roma

[illegible]



PIACENTINI

A R M O R E D D O O R S

PIACENTINI Corp - 85 Tirino- 66100 CHIETI (CH)
Telephon + 39 0871.562090 - Fax +39 0871.564651
www.piacentinisrl.it - e-mail: **info@piacentinisrl.it**

Toll-free number
+39 800 251238

