



WINDOWS & DOORS

MADE IN FOSHAN







## COMPANY OVERVIEW

Foshan Puertana Building Materials Co., Ltd. is a professional manufacturer and supplier focusing on aluminum-based building products, integrating R&D, production and global sales of high-quality building accessories. With mature industry experience, complete production systems and strict quality control, we provide reliable, durable and cost-effective products for global commercial and residential projects.

We focus on energy-saving, eco-friendly and cost-effective products, optimizing performance via continuous R&D. Adhering to strict quality principles, we reduce product failure risks and customer maintenance costs, maximizing client value without quality compromise. Our products serve North America, South America, Australia and other overseas markets, earning high recognition. We welcome global partners for sincere and long-term cooperation.

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# PROJECT

## GALLERIES



# PROJECT

## GALLERIES



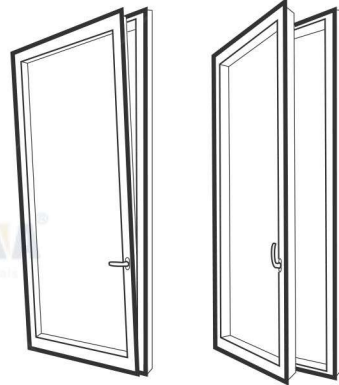


# CASEMENT

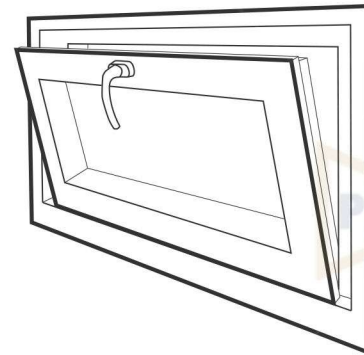
## WINDOWS



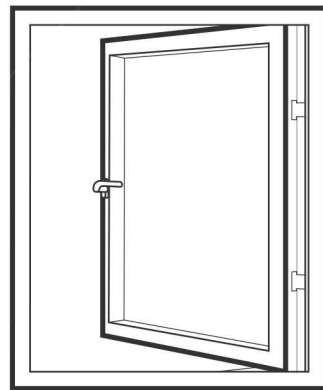
Picture windows



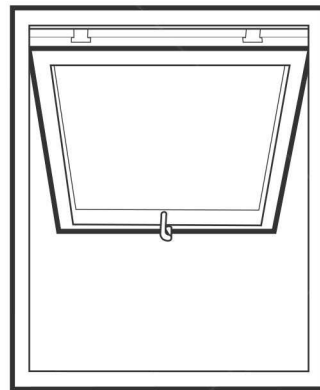
Tilt turn windows



Hopper windows



Out swing windows



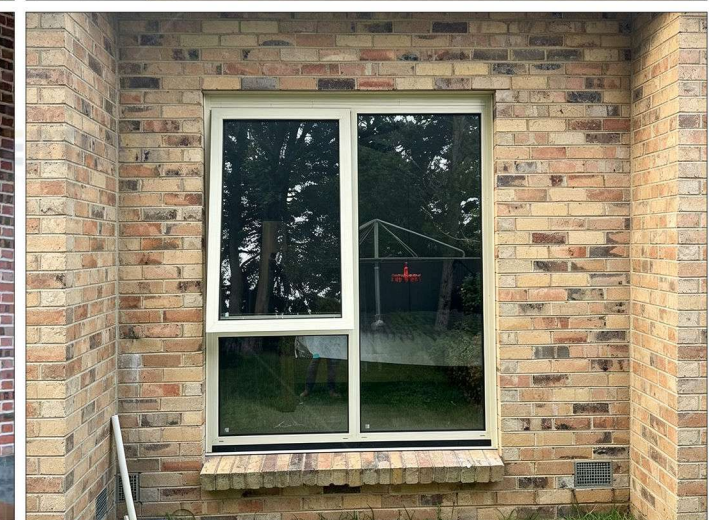
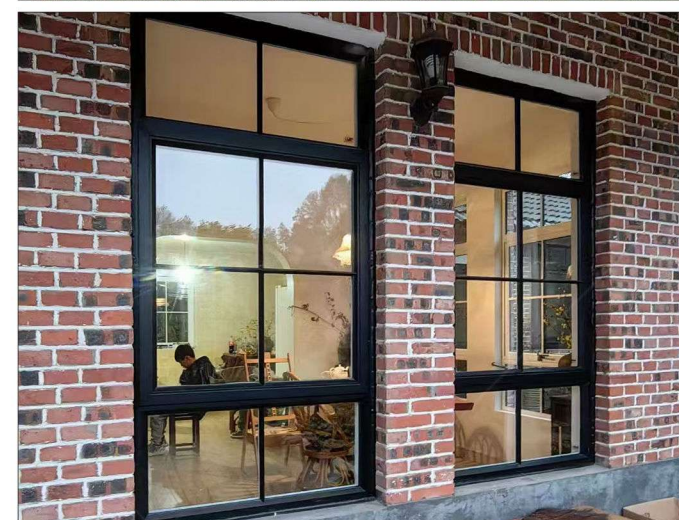
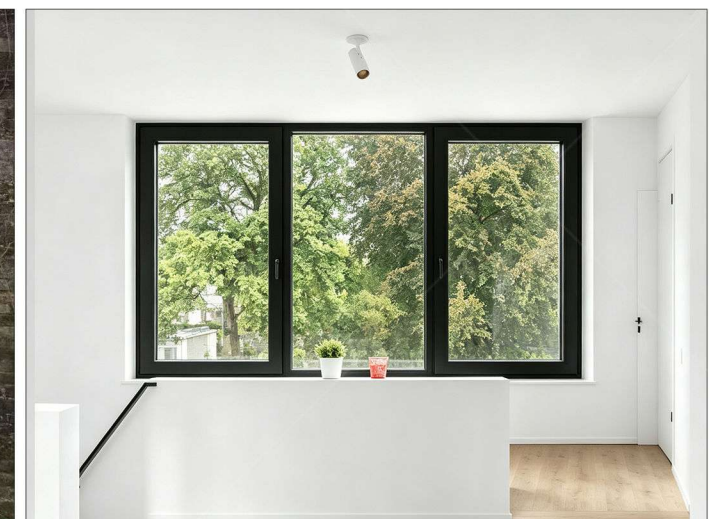
Top hung windows

We all know how important windows are to the look of a home and with The Puertana Contemporary Living Collection, it's never been easier to get these right.

With so many types – inward-opening, outward-opening, side-hung, top-hung, tilt-turn or fixed light – there'll always be a window to meet your needs. And it will offer excellent 'U' values, a smooth operation and tight, draught proof weather-seals.

# CASEMENT

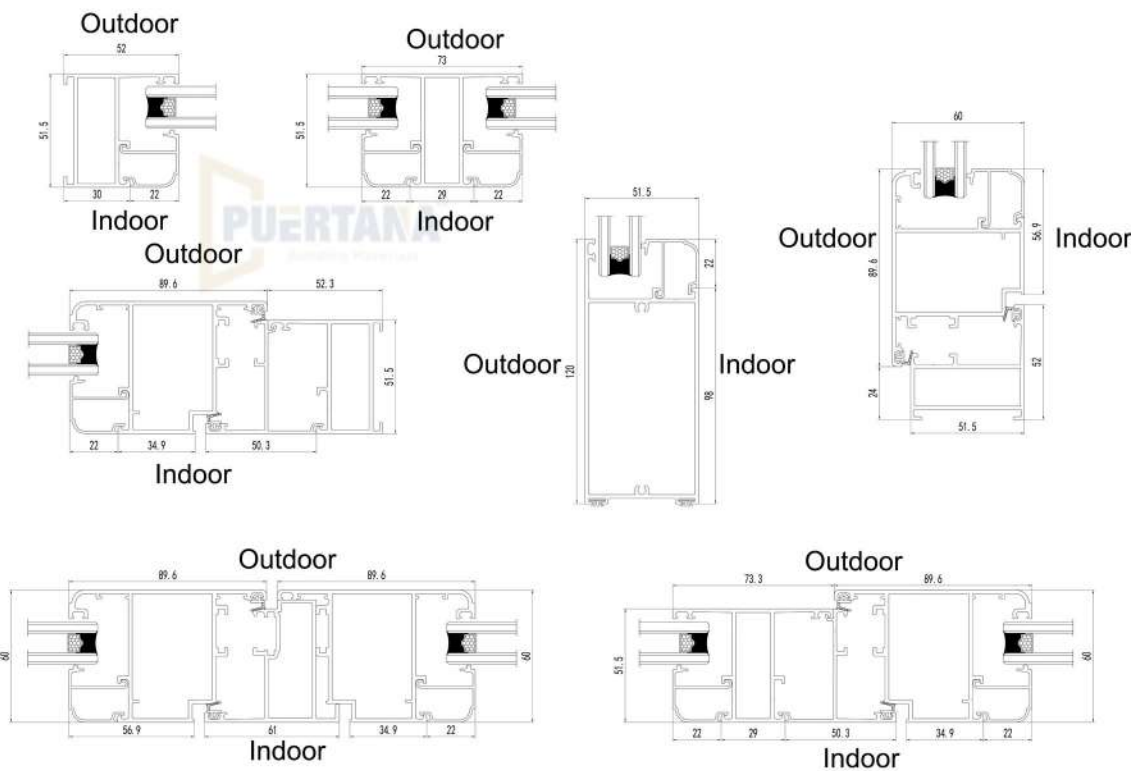
## WINDOWS





55 series

Non-thermal break aluminum casement window & door



GENERAL SPECIFICATIONS

- Profile thickness: 1.7mm
- Double glazed glass
- Color powder coating
- Radius tops and arches available
- Anodized aluminum



55 series

Non-thermal break aluminum casement window & door

PERFORMANCE

| DESCRIPTION                | VALUE     | DESCRIPTION            | VALUE     |
|----------------------------|-----------|------------------------|-----------|
| SHGC                       | 0.14-0.97 | U-Value (BTU/h·ft²·°F) | 0.24-0.6  |
| Air Infiltration (cfm/ft²) | 0.01      | STC (dB)               | 35        |
| Water resistance (psf)     | 12.11     | VT                     | 0.13-0.85 |

\*Values may vary depending on glazing packages utilized

OPTIONS

- Possibility of incorporating hardware with concealed hinges
- Multiple glazing packages and finish options
- Dual-sealed warm edge spacer
- Mosquito screens available
- argon gas infill

STANDARD FEATURES

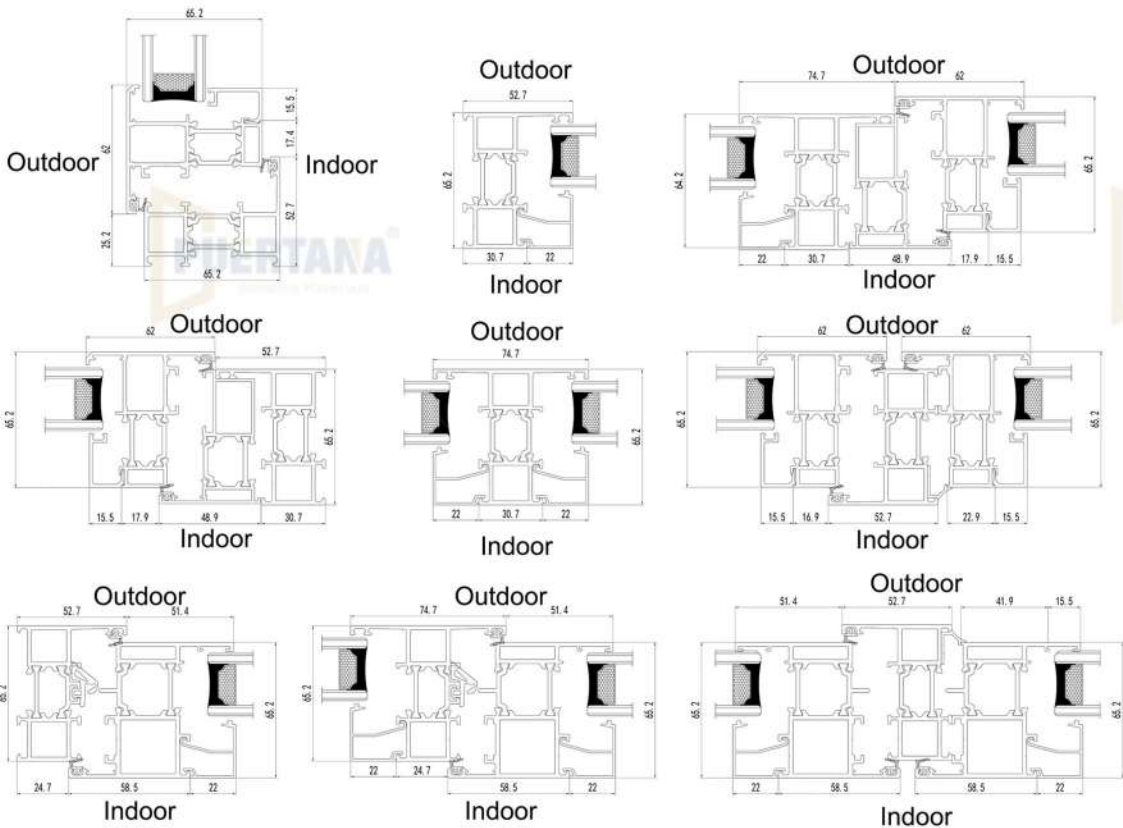
- Opening: side hung and top hung of 1 or 2 sashes
- Sections:
  - Frame: 52mm
  - Sash: 60mm
- Maximum dimensions/sash:
  - Width up to 1,500mm
  - Height up to 3,500mm
- Max weight/sash: 300 kg
- Multipoint locking hardware
- Maximum glazing thickness: 22mm





65 series

Thermal break aluminum casement window



GENERAL SPECIFICATIONS

- Profile thickness: 2.0mm
- Double glazed glass
- Radius tops and arches available
- Possibility of dual color
- Color powder coating



65 series

Thermal break aluminum casement window

PERFORMANCE

| DESCRIPTION                | VALUE     | DESCRIPTION            | VALUE     |
|----------------------------|-----------|------------------------|-----------|
| SHGC                       | 0.14-0.97 | U-Value (BTU/h·ft²·°F) | 0.24-0.6  |
| Air Infiltration (cfm/ft²) | 0.01      | STC (dB)               | 41        |
| Water resistance (psf)     | 12.11     | VT                     | 0.13-0.85 |

\*Values may vary depending on glazing packages utilized

OPTIONS

- Possibility of incorporating hardware with concealed hinges
- Multiple glazing packages and finish options
- Mosquito screens available
- Dual-sealed warm edge spacer
- argon gas infill

STANDARD FEATURES

- Opening: tilt and turn, side hung and top hung of 1 or 2 sashes
- Sections:
  - Frame: 65mm
  - Sash: 65mm
- Maximum dimensions/sash:
  - Width up to 1,500mm
  - Height up to 3,500mm
- Max weight/sash: 300 kg
- Multipoint locking hardware
- Maximum glazing thickness: 32mm

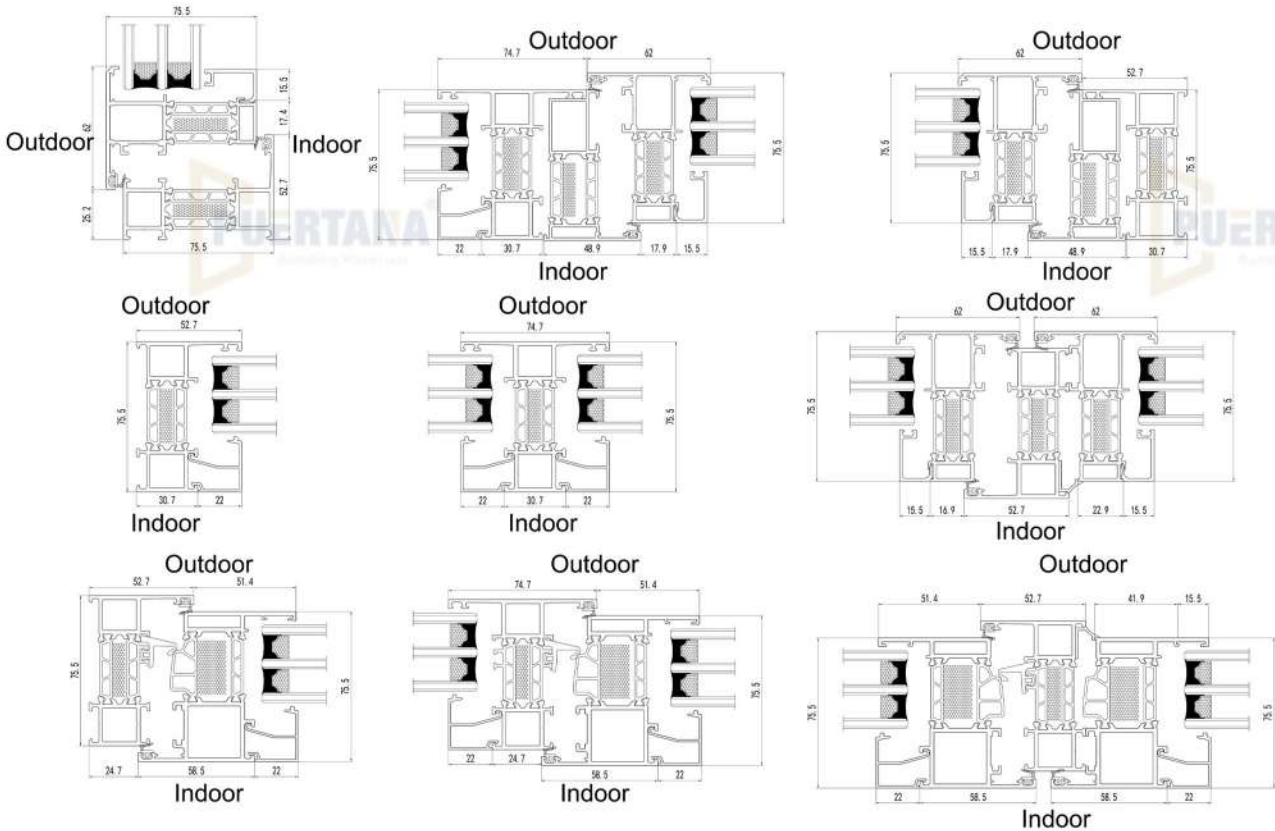




5

# 75 series

## Thermal break aluminum casement window



- GENERAL SPECIFICATIONS
- Profile thickness: 2.0mm
  - Triple glazed glass
  - Radius tops and arches available
  - Possibility of dual color
  - Color powder coating



6

# 75 series

## Thermal break aluminum casement window

PERFORMANCE

| DESCRIPTION                | VALUE     | DESCRIPTION            | VALUE     |
|----------------------------|-----------|------------------------|-----------|
| SHGC                       | 0.14-0.97 | U-Value (BTU/h·ft²·°F) | 0.24-0.6  |
| Air Infiltration (cfm/ft²) | 0.01      | STC (dB)               | 45        |
| Water resistance (psf)     | 12.11     | VT                     | 0.13-0.85 |

\*Values may vary depending on glazing packages utilized

OPTIONS

- Possibility of incorporating hardware with concealed hinges
- Multiple glazing packages and finish options
- Mosquito screens available
- Dual-sealed warm edge spacer
- argon gas infill

STANDARD FEATURES

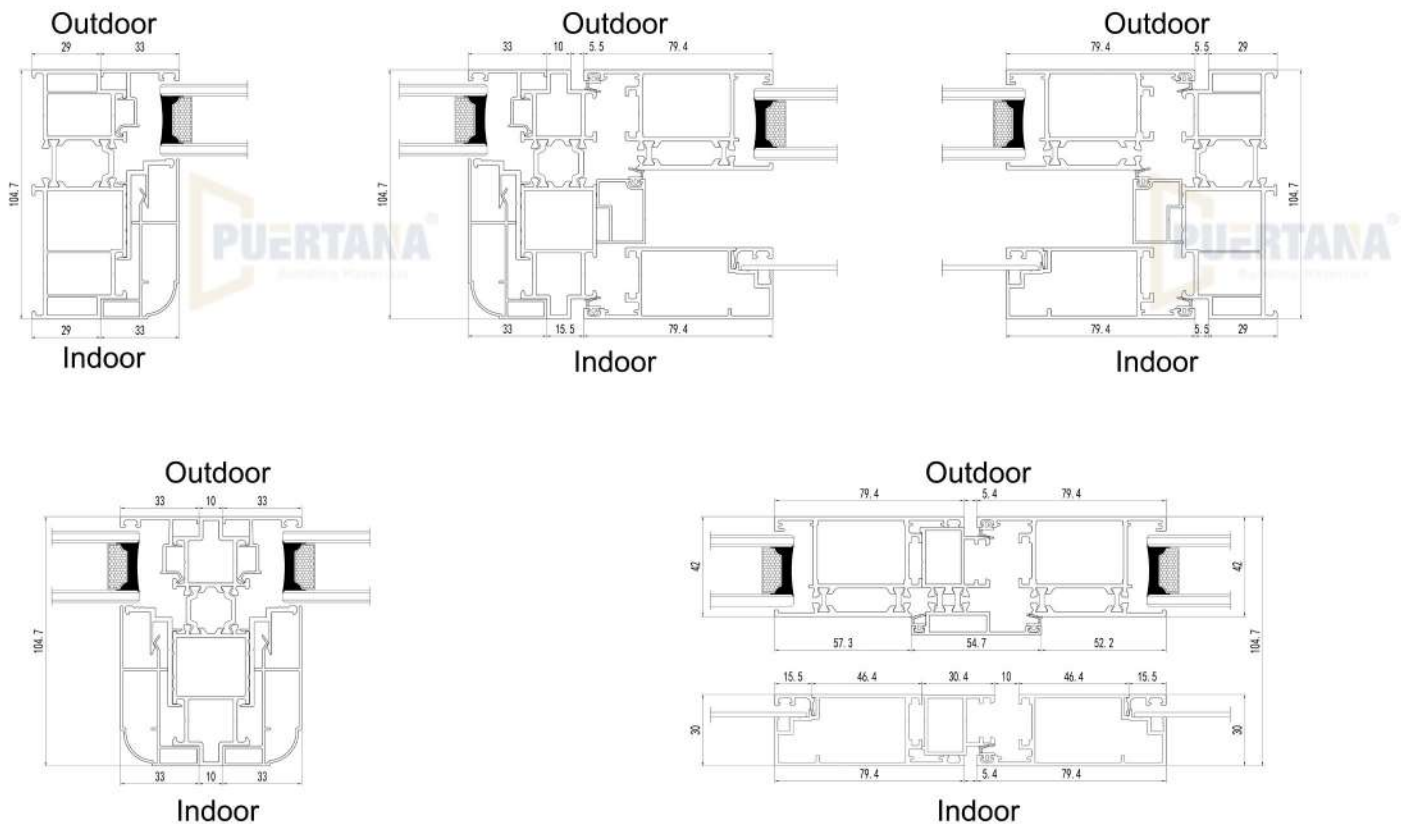
- Opening: tilt and turn, side hung and top hung of 1 or 2 sashes
- Sections:
  - Frame: 75mm
  - Sash: 75mm
- Maximum dimensions/sash:
  - Width up to 1,500mm
  - Height up to 3,500mm
- Max weight/sash: 300 kg
- Multipoint locking hardware
- Maximum glazing thickness: 41mm





120 series

Thermal break aluminum casement window



- GENERAL SPECIFICATIONS**
- Profile thickness: 1.6mm
  - Double glazed glass
  - Stainless steel wire mesh
  - Radius tops and arches available
  - Possibility of dual color
  - Color powder coating



120 series

Thermal break aluminum casement window

PERFORMANCE

| DESCRIPTION                | VALUE     | DESCRIPTION            | VALUE     |
|----------------------------|-----------|------------------------|-----------|
| SHGC                       | 0.14-0.97 | U-Value (BTU/h·ft²·°F) | 0.24-0.6  |
| Air Infiltration (cfm/ft²) | 0.01      | STC (dB)               | 38        |
| Water resistance (psf)     | 12.11     | VT                     | 0.13-0.85 |

\*Values may vary depending on glazing packages utilized

OPTIONS

- Possibility of incorporating hardware with concealed hinges
- Multiple glazing packages and finish options
- Mosquito screens available
- Dual-sealed warm edge spacer
- argon gas infill

STANDARD FEATURES

- Opening: side hung and top hung of 1 or 2 sashes
- Sections:
  - Frame: 108mm
  - Sash: 42mm
- Maximum dimensions/sash:
  - Width up to 1,200mm
  - Height up to 2,400mm
- Max weight/sash: 160 kg
- Multipoint locking hardware
- Maximum glazing thickness: 31mm





60 series

Steel look thermal break aluminum Casement window door

60 series

Steel look thermal break aluminum casement window door



PERFORMANCE

| DESCRIPTION                | VALUE     | DESCRIPTION            | VALUE     |
|----------------------------|-----------|------------------------|-----------|
| SHGC                       | 0.14-0.97 | U-Value (BTU/h·ft²·°F) | 0.24-0.6  |
| Air Infiltration (cfm/ft²) | 0.01      | STC (dB)               | 45        |
| Water resistance (psf)     | 12.11     | VT                     | 0.13-0.85 |

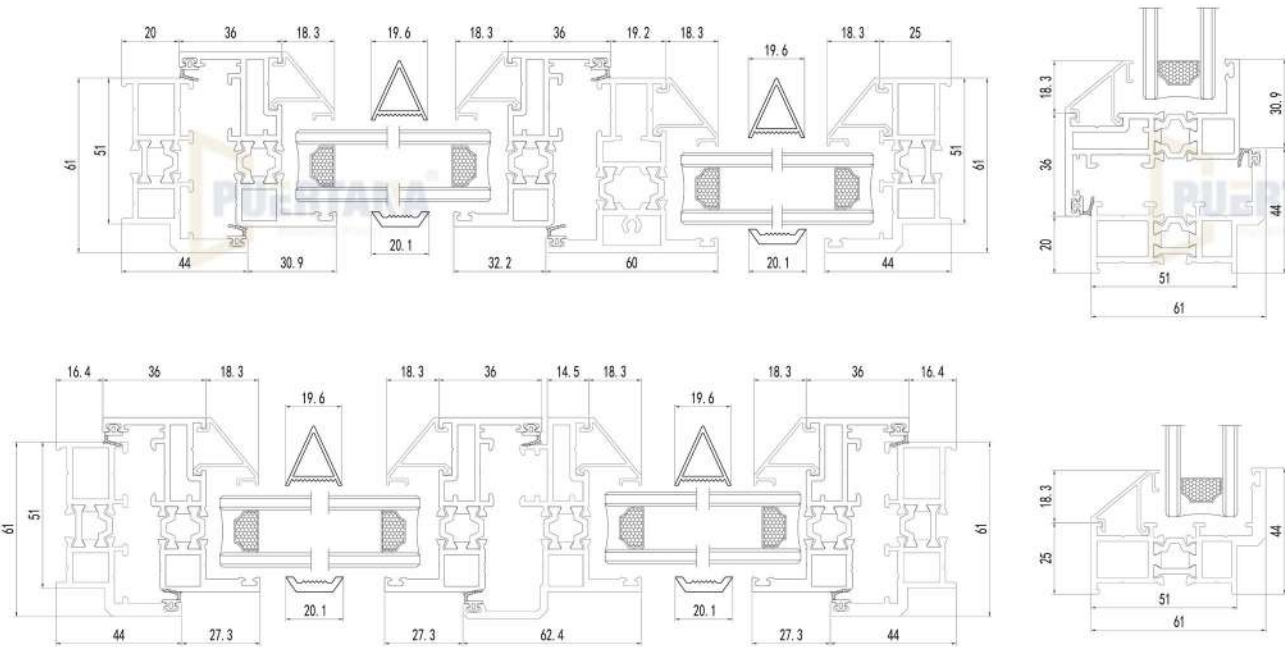
\*Values may vary depending on glazing packages utilized

GENERAL SPECIFICATIONS

- Profile thickness: 2.0mm
- Double glazed glass
- Radius tops and arches available
- Possibility of dual color
- Color powder coating

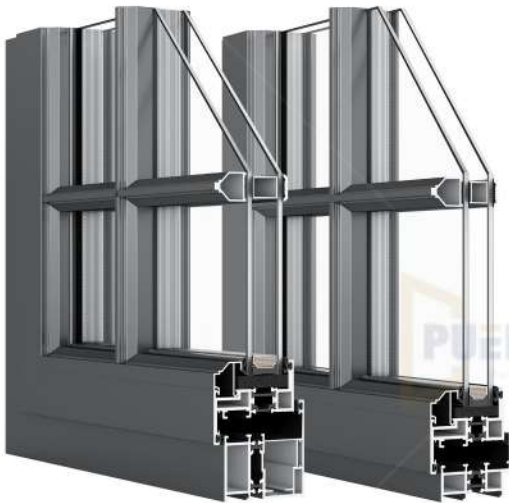
OPTIONS

- Multiple glazing packages and finish options
- Mosquito screens available
- Dual-sealed warm edge spacer
- Argon gas infill



STANDARD FEATURES

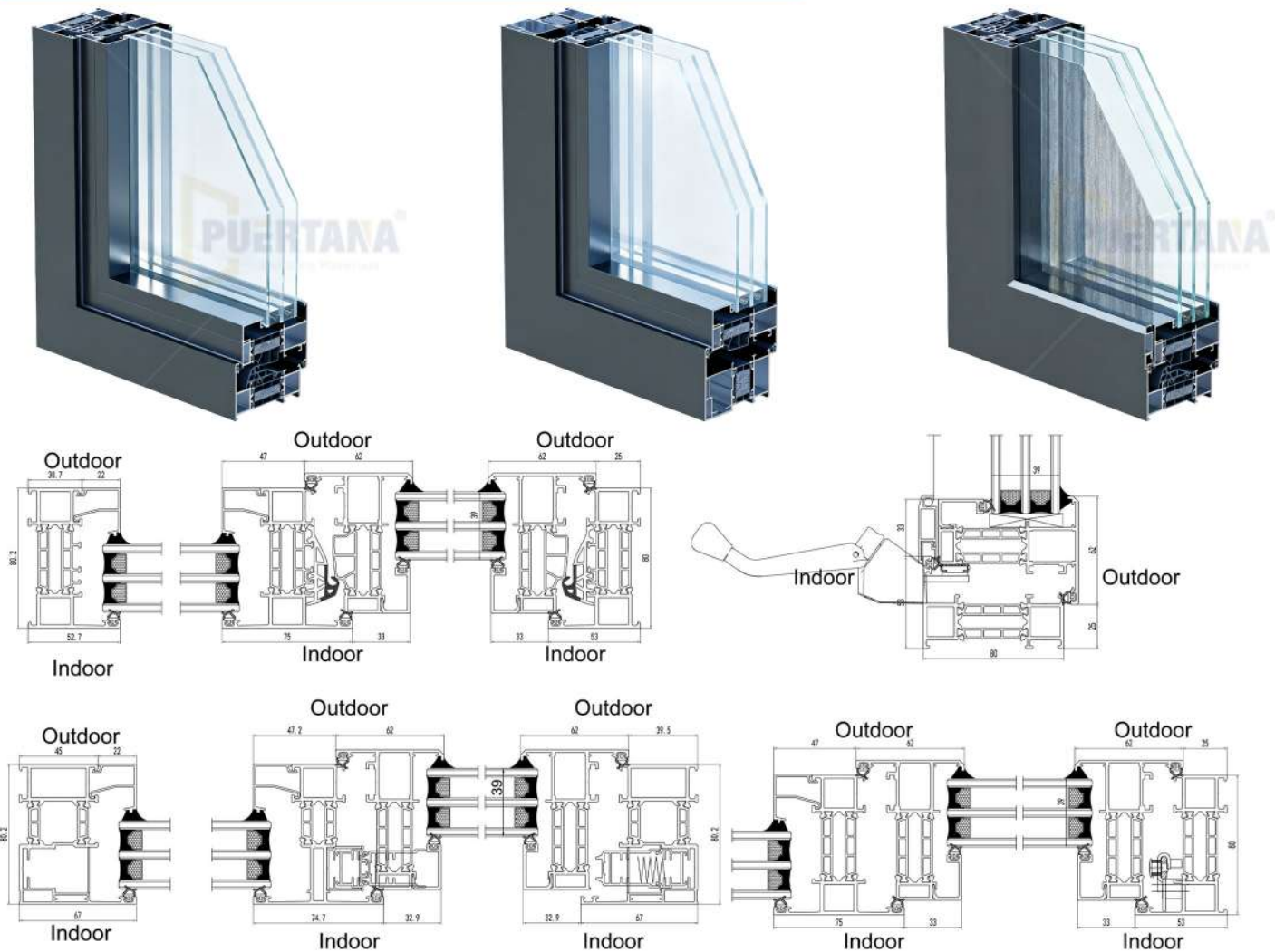
- Opening: side hung of 1 or 2 sashes
- Sections:
  - Frame: 61mm
  - Sash: 54mm
- Maximum dimensions/sash:
  - Width up to 1,200mm
  - Height up to 2,500mm
- Max weight/sash: 150 kg
- Multipoint locking hardware
- Maximum glazing thickness: 25mm
- Both sides with grids attached outside of glass





80 series

Thermal break aluminum casement window(outswing)



GENERAL SPECIFICATIONS

- Profile thickness: 2.0mm
- Triple glazed glass
- Radius tops and arches available
- Possibility of dual color
- Color powder coating

80 series

Thermal break aluminum casement window(outswing)

PERFORMANCE

| DESCRIPTION                | VALUE     | DESCRIPTION            | VALUE     |
|----------------------------|-----------|------------------------|-----------|
| SHGC                       | 0.14-0.97 | U-Value (BTU/h·ft²·°F) | 0.24-0.6  |
| Air Infiltration (cfm/ft²) | 0.01      | STC (dB)               | 45        |
| Water resistance (psf)     | 12.11     | VT                     | 0.13-0.85 |

\*Values may vary depending on glazing packages utilized

OPTIONS

- Possibility of incorporating hardware with concealed hinges
- Multiple glazing packages and finish options
- Mosquito screens available
- Dual-sealed warm edge spacer
- argon gas infill

STANDARD FEATURES

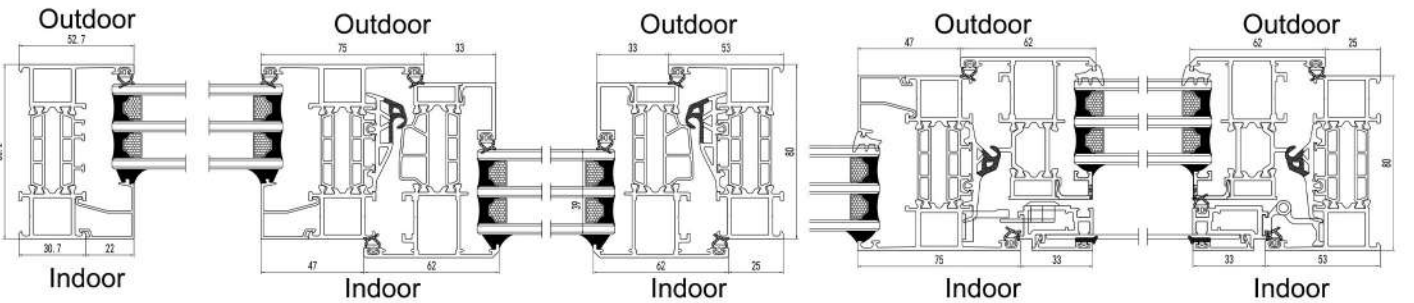
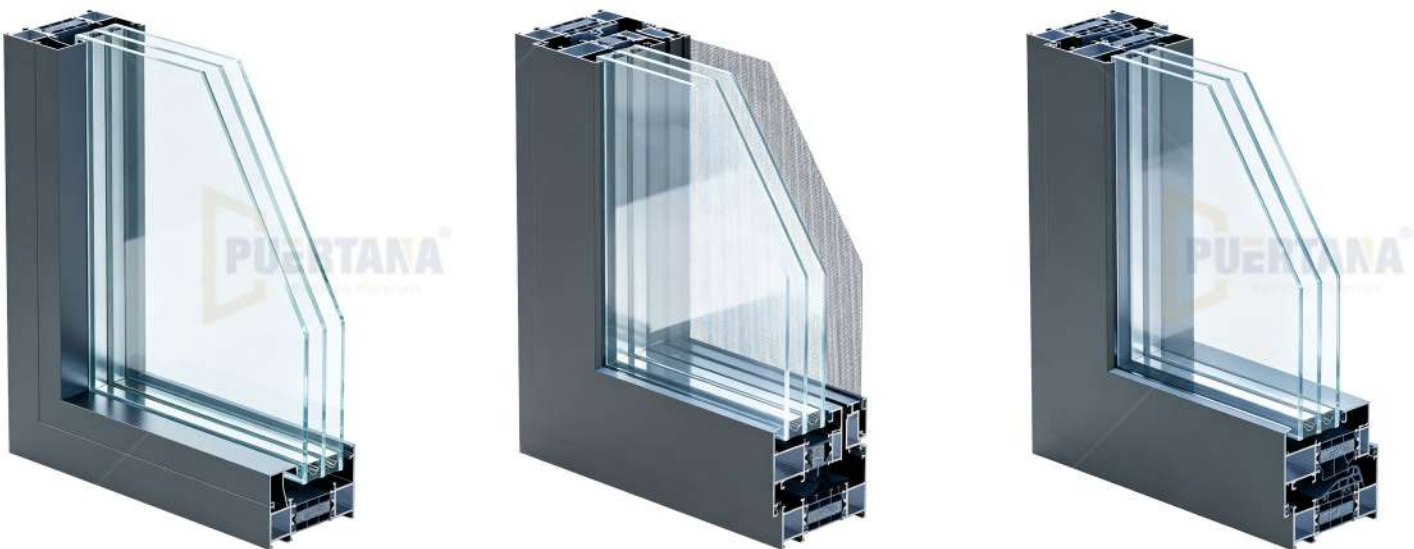
- Opening: side hung and top hung of 1 or 2 sashes
- Sections:
  - Frame: 80mm
  - Sash: 80mm
- Maximum dimensions/sash:
  - Width up to 1,500mm
  - Height up to 3,500mm
- Max weight/sash: 300 kg
- Multipoint locking hardware
- Maximum glazing thickness: 41mm





80 series

Thermal break aluminum casement window(inswing)



GENERAL SPECIFICATIONS

- Profile thickness: 2.0mm
- Triple glazed glass
- Radius tops and arches available
- Possibility of dual color
- Color powder coating

80 series

Thermal break aluminum casement window(inswing)

PERFORMANCE

| DESCRIPTION                | VALUE     | DESCRIPTION            | VALUE     |
|----------------------------|-----------|------------------------|-----------|
| SHGC                       | 0.14-0.97 | U-Value (BTU/h·ft²·°F) | 0.24-0.6  |
| Air Infiltration (cfm/ft²) | 0.01      | STC (dB)               | 45        |
| Water resistance (psf)     | 12.11     | VT                     | 0.13-0.85 |

\*Values may vary depending on glazing packages utilized

OPTIONS

- Possibility of incorporating hardware with concealed hinges
- Multiple glazing packages and finish options
- Mosquito screens available
- Dual-sealed warm edge spacer
- argon gas infill

STANDARD FEATURES

- Opening: tilt and turn, hopper of 1 or 2 sashes
- Sections:
  - Frame: 80mm
  - Sash: 80mm
- Maximum dimensions/sash:
  - Width up to 1,500mm
  - Height up to 3,500mm
- Max weight/sash: 300 kg
- Multipoint locking hardware
- Maximum glazing thickness: 41mm





50 series

Non-thermal break aluminum pivot window



GENERAL SPECIFICATIONS

- profile thickness: 1.4mm
- double glazed glass
- argon gas infill
- Round , radius tops and arches available
- color powder coating

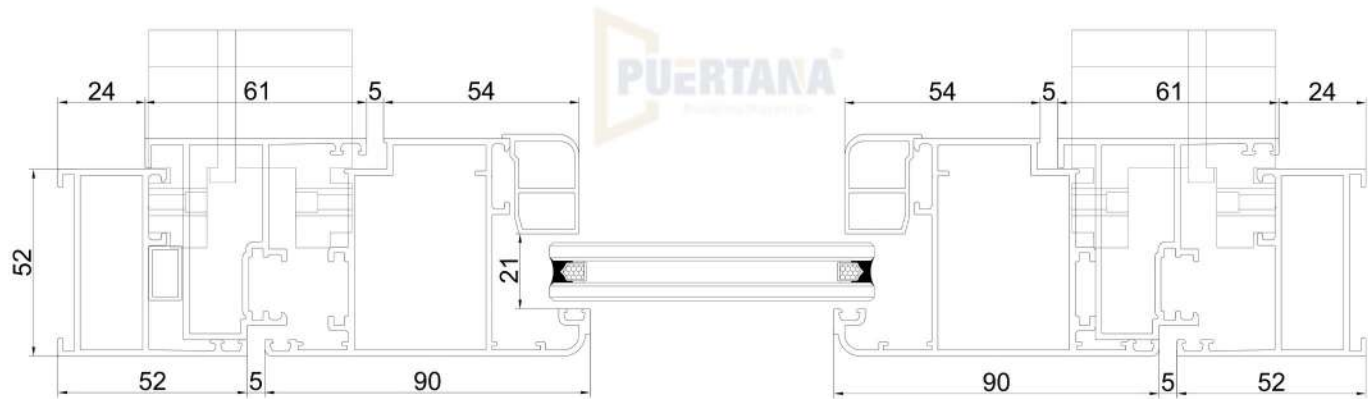
OPTIONS

- Multiple glazing packages and finish options
- Dual-sealed warm edge spacer



50 series

Non-thermal break aluminum pivot window



PERFORMANCE

| DESCRIPTION                | VALUE     | DESCRIPTION            | VALUE     |
|----------------------------|-----------|------------------------|-----------|
| SHGC                       | 0.14-0.97 | U-Value (BTU/h·ft²·°F) | 0.24-0.6  |
| Air Infiltration (cfm/ft²) | 0.01      | STC (dB)               | 41        |
| Water resistance (psf)     | 12.11     | VT                     | 0.13-0.85 |

\*Values may vary depending on glazing packages utilized

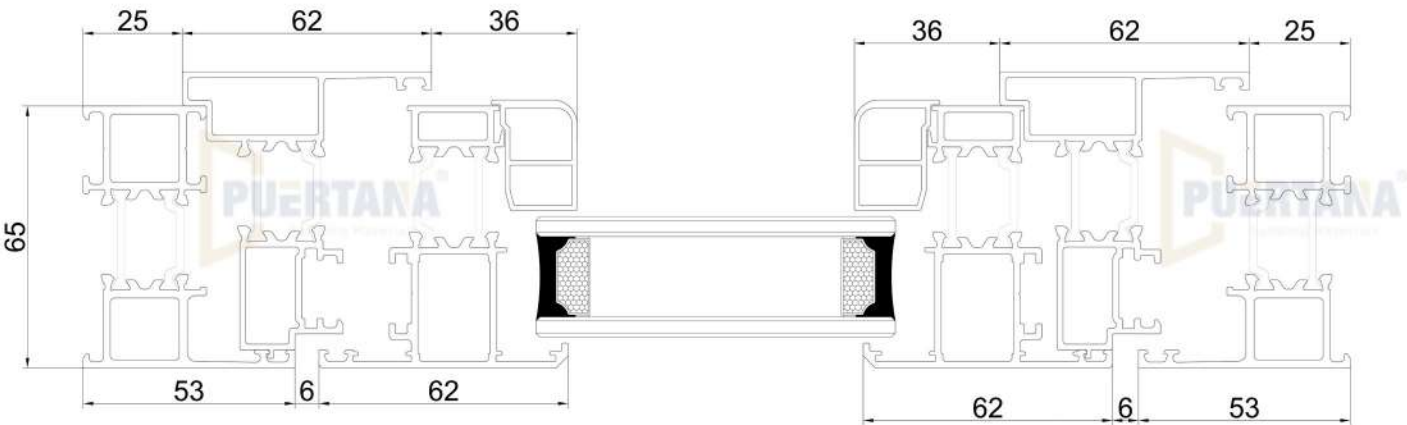
STANDARD FEATURES

- Opening: center pivot 1 sash
- Sections: - Frame: 52mm - Sash: 52mm
- Maximum dimensions/sash: - Width up to 1,600mm - Height up to 2,400mm
- Max weight/sash: 160 kg
- Multipoint locking hardware
- Maximum glazing thickness: 39mm



65 series

Thermal break aluminum pivot window

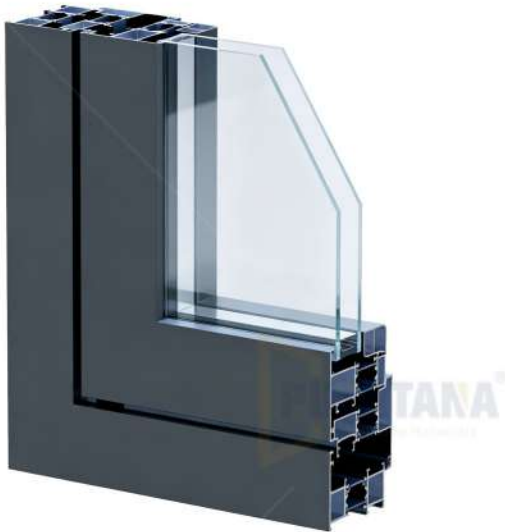


GENERAL SPECIFICATIONS

- profile thickness: 2.0mm
- double glazed glass
- argon gas infill
- Round , radius tops and arches available
- possibility of dual color
- color powder coating

OPTIONS

- Multiple glazing packages and finish options
- Dual-sealed warm edge spacer



65 series

Thermal break aluminum pivot window



PERFORMANCE

| DESCRIPTION                | VALUE     | DESCRIPTION            | VALUE     |
|----------------------------|-----------|------------------------|-----------|
| SHGC                       | 0.14-0.97 | U-Value (BTU/h·ft²·°F) | 0.24-0.6  |
| Air Infiltration (cfm/ft²) | 0.01      | STC (dB)               | 41        |
| Water resistance (psf)     | 12.11     | VT                     | 0.13-0.85 |

\*Values may vary depending on glazing packages utilized

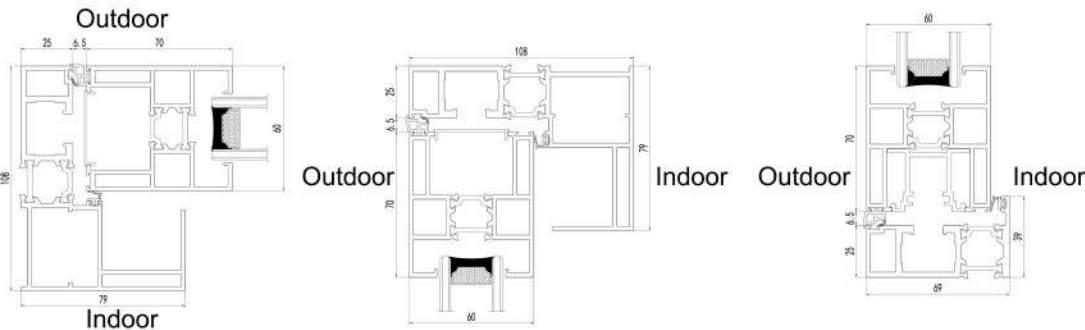
STANDARD FEATURES

- Opening: center pivot 1 sash
- Sections: - Frame: 65mm - Sash: 65mm
- Maximum dimensions/sash: - Width up to 1,600mm - Height up to 2,400mm
- Max weight/sash: 160 kg
- Multipoint locking hardware
- Maximum glazing thickness: 39mm



Flip out

108 series thermal break aluminum gas strut window



GENERAL SPECIFICATIONS

- profile thickness: 2.0mm
- double glazed glass
- possibility of dual color
- color powder coating



Flip out

108 series thermal break aluminum gas strut window

PERFORMANCE

| DESCRIPTION                | VALUE     | DESCRIPTION            | VALUE     |
|----------------------------|-----------|------------------------|-----------|
| SHGC                       | 0.14-0.97 | U-Value (BTU/h·ft²·°F) | 0.24-0.6  |
| Air Infiltration (cfm/ft²) | 0.01      | STC (dB)               | 38        |
| Water resistance (psf)     | 12.11     | VT                     | 0.13-0.85 |

\*Values may vary depending on glazing packages utilized

OPTIONS

- Multiple glazing packages and finish options
- Mosquito screens available
- Dual-sealed warm edge spacer
- argon gas infill

STANDARD FEATURES

- Opening: top hung of 1 sash
- Sections:
  - Frame: 108mm
  - Sash: 60mm
- Maximum dimensions/sash:
  - Width up to 3000mm
  - Height up to 1800mm
- Max weight/sash: 200 kg
- Multipoint locking hardware
- Maximum glazing thickness: 32mm





# SLIDING

## WINDOWS



Our Aluminum Sliding Windows are premium-grade horizontal sliding window solutions designed for modern residential homes, apartments, villas, and commercial buildings. Combining sleek minimalist aesthetics, robust aluminum structural strength, and high-performance insulated glass, these sliding windows deliver exceptional airtightness, water resistance, energy efficiency, and smooth gliding operation. Compared with traditional casement windows, the horizontal sliding design saves indoor space, provides ultra-wide viewing vision, and allows flexible ventilation control. Engineered for long-term outdoor exposure, our aluminum sliding windows remain durable, rust-proof, and weather-resistant all year round, offering a perfect balance of functionality, safety, and modern architectural beauty.

# SLIDING

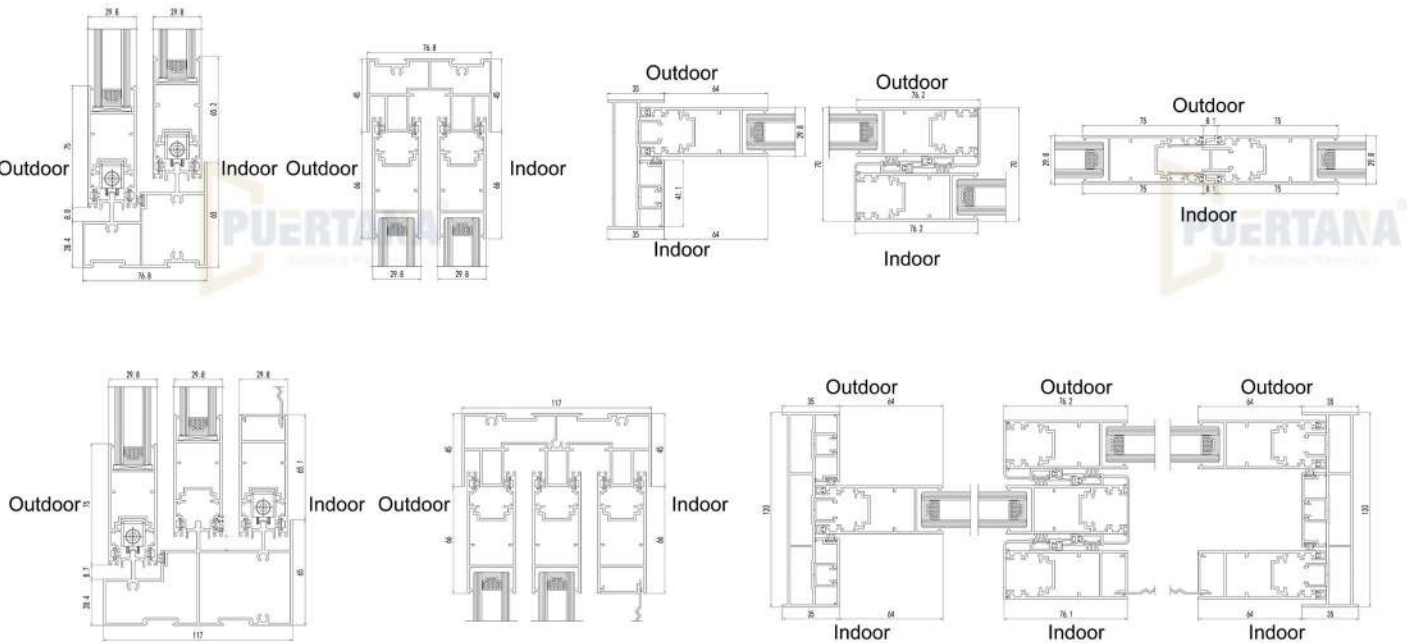
## WINDOWS





80/120 series

Non-thermal break aluminum sliding window



GENERAL SPECIFICATIONS

- Profile thickness: 1.4mm
- Double glazed glass
- Stainless steel wire mesh
- Possibility of 3 Rails
- Color powder coating



80/120 series

Non-thermal break aluminum sliding window

PERFORMANCE

| DESCRIPTION                | VALUE     | DESCRIPTION            | VALUE     |
|----------------------------|-----------|------------------------|-----------|
| SHGC                       | 0.14-0.97 | U-Value (BTU/h·ft²·°F) | 0.24-0.6  |
| Air Infiltration (cfm/ft²) | 0.01      | STC (dB)               | 33        |
| Water resistance (psf)     | 12.11     | VT                     | 0.13-0.85 |

\*Values may vary depending on glazing packages utilized

OPTIONS

- Multiple glazing packages and finish options
- Dual-sealed warm edge spacer
- argon gas infill

STANDARD FEATURES

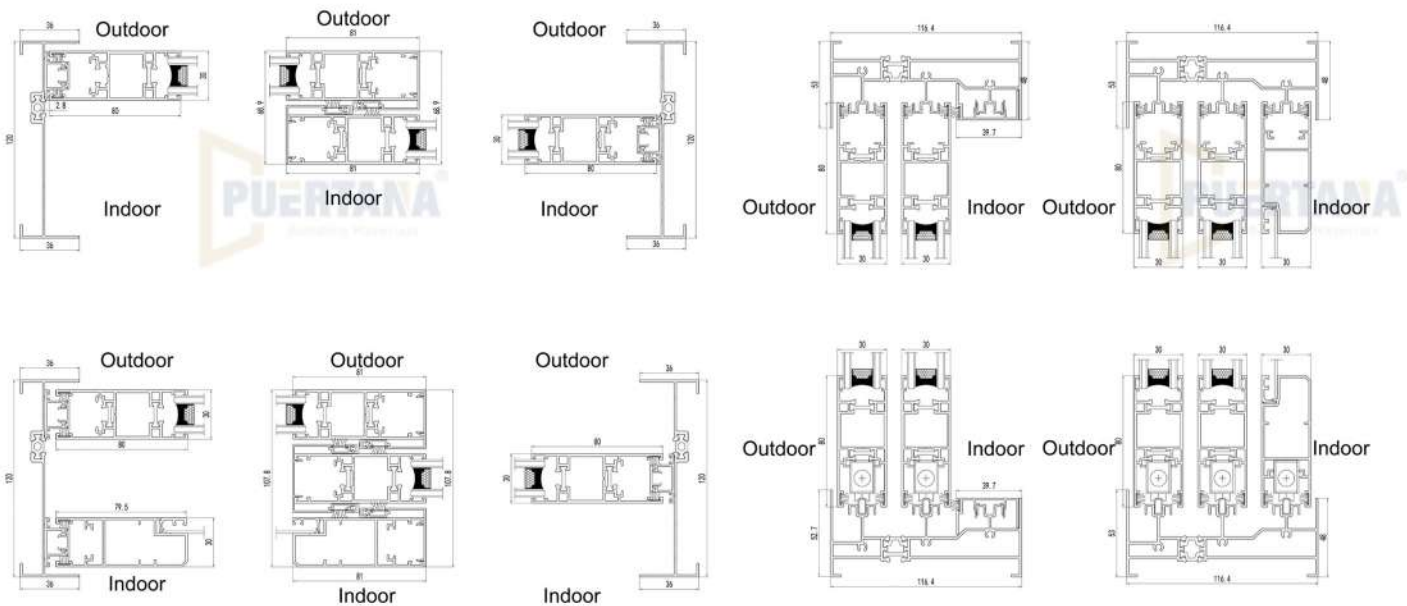
- Sliding of 2, 3, 4 & 6 Sashes
- Sections:
  - Frame: 77mm / 117mm
  - Sash: 30mm
- Maximum dimensions/sash:
  - Width up to 1,200mm
  - Height up to 2,400mm
- Max weight/sash: 160 kg
- Multipoint locking hardware
- Maximum glazing thickness: 22mm





120 series

Thermal break aluminum sliding window



GENERAL SPECIFICATIONS

- Profile thickness: 1.7mm
- Double glazed glass
- Possibility of dual color
- Color powder coating
- Stainless steel wire mesh
- Possibility of 3 Rails



120 series

Thermal break aluminum sliding window

PERFORMANCE

| DESCRIPTION                | VALUE     | DESCRIPTION            | VALUE     |
|----------------------------|-----------|------------------------|-----------|
| SHGC                       | 0.14-0.97 | U-Value (BTU/h·ft²·°F) | 0.24-0.6  |
| Air Infiltration (cfm/ft²) | 0.01      | STC (dB)               | 35        |
| Water resistance (psf)     | 12.11     | VT                     | 0.13-0.85 |

\*Values may vary depending on glazing packages utilized

OPTIONS

- Multiple glazing packages and finish options
- Dual-sealed warm edge spacer
- argon gas infill

STANDARD FEATURES

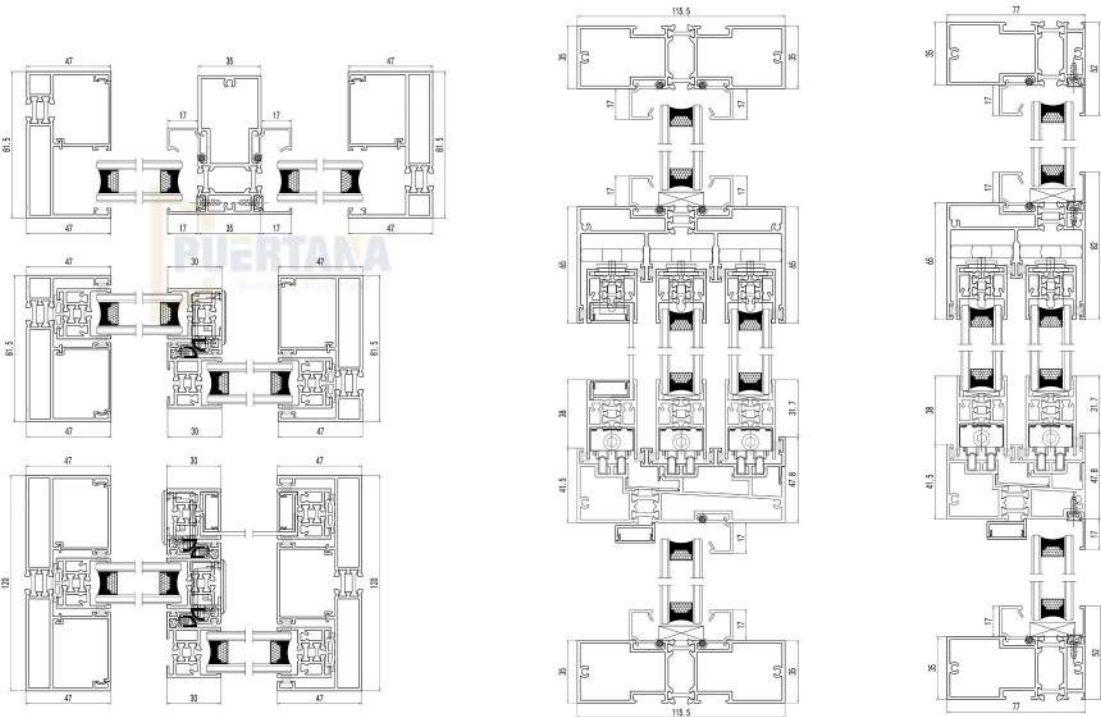
- Sliding of 2, 3, 4 & 6 Sashes
- Sections:
  - Frame: 120mm
  - Sash: 30mm
- Maximum dimensions/sash:
  - Width up to 1,500mm
  - Height up to 2,000mm
- Max weight/sash: 160 kg
- Multipoint locking hardware
- Maximum glazing thickness: 22mm





# 120 series

Slimline thermal break aluminum sliding window



## GENERAL SPECIFICATIONS

- Profile thickness: 1.7mm
- Double glazed glass
- Possibility of dual color
- Color powder coating
- Stainless steel wire mesh
- Possibility of 3 Rails



# 120 series

Slimline thermal break aluminum sliding window

## PERFORMANCE

| DESCRIPTION                | VALUE     | DESCRIPTION            | VALUE     |
|----------------------------|-----------|------------------------|-----------|
| SHGC                       | 0.14-0.97 | U-Value (BTU/h·ft²·°F) | 0.24-0.6  |
| Air Infiltration (cfm/ft²) | 0.01      | STC (dB)               | 35        |
| Water resistance (psf)     | 12.11     | VT                     | 0.13-0.85 |

\*Values may vary depending on glazing packages utilized

## OPTIONS

- Multiple glazing packages and finish options
- Dual-sealed warm edge spacer
- argon gas infill

## STANDARD FEATURES

- Sliding of 2, 3, 4 & 6 Sashes
- Sections:
  - Frame: 120mm
  - Sash: 30mm
- Maximum dimensions/sash:
  - Width up to 1,500mm
  - Height up to 2,000mm
- Max weight/sash: 160 kg
- Multipoint locking hardware
- Maximum glazing thickness: 22mm





# DOUBLE & SINGLE

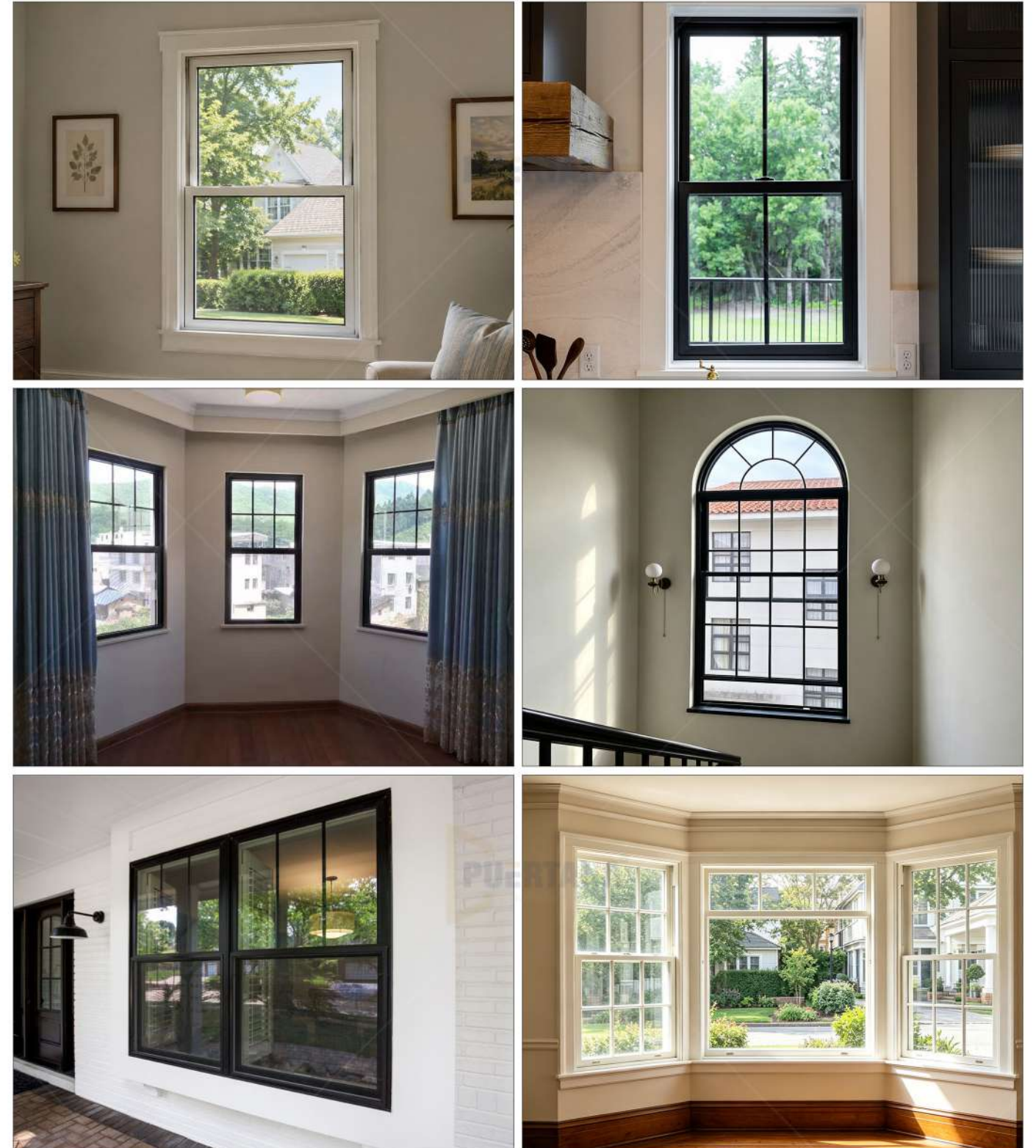
## WINDOWS



Our aluminum double and single hung windows combine timeless vertical sliding design with premium aluminum construction, delivering exceptional durability, energy efficiency, and effortless operation. Engineered for both residential and commercial applications, these windows feature a sleek, narrow frame profile that maximizes glass area and natural light, while the robust aluminum alloy structure ensures long-lasting performance even in harsh coastal or urban environments. Double hung windows offer two operable sashes that slide vertically up and down, providing superior ventilation control and easy tilt-in cleaning from inside the building. Single hung windows feature a fixed top sash and a fully operable bottom sash, offering a cost-effective solution with classic aesthetic appeal and reliable functionality.

# DOUBLE & SINGLE

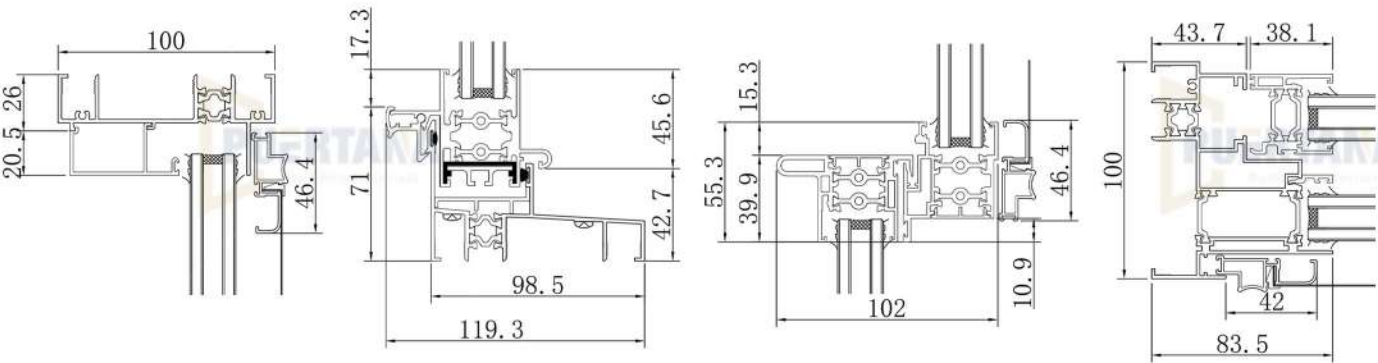
## WINDOWS





100 series

Thermal break aluminum single hung window



GENERAL SPECIFICATIONS

- profile thickness: 1.6mm
- Double glazed glass
- color powder coating

STANDARD FEATURES

- Opening: single of 1 sash
- Sections: - Frame: 100mm - Sash: 37mm
- Maximum dimensions/sash:
  - Width up to 1,500mm
  - Height up to 2,000mm
- Max weight/sash: 50 kg
- Multipoint locking hardware
- Maximum glazing thickness: 29mm



100 series

Thermal break aluminum single hung window



PERFORMANCE

| DESCRIPTION                | VALUE     | DESCRIPTION            | VALUE     |
|----------------------------|-----------|------------------------|-----------|
| SHGC                       | 0.14-0.97 | U-Value (BTU/h·ft²·°F) | 0.24-0.6  |
| Air Infiltration (cfm/ft²) | 0.01      | STC (dB)               | 41        |
| Water resistance (psf)     | 12.11     | VT                     | 0.13-0.85 |

\*Values may vary depending on glazing packages utilized

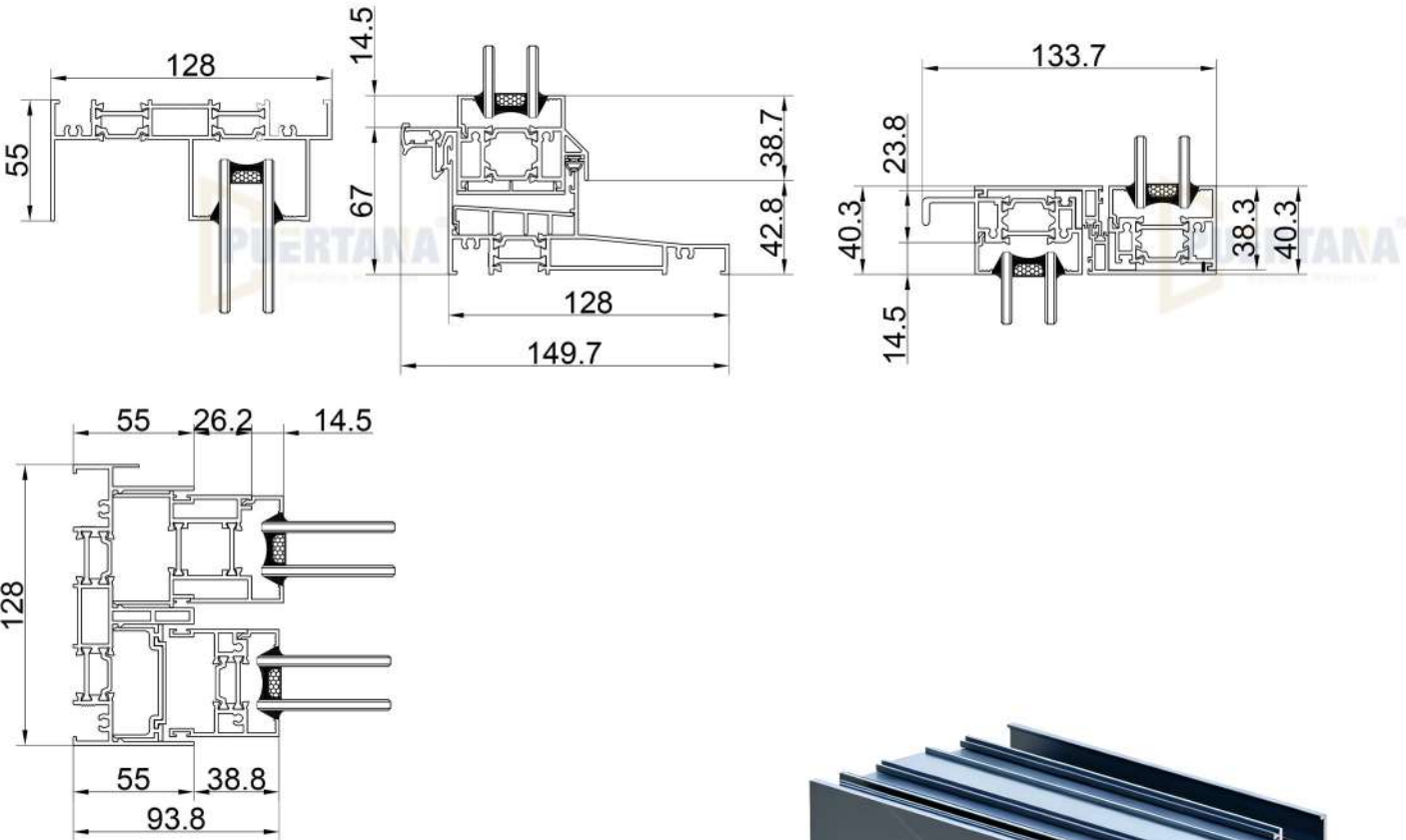
OPTIONS

- Multiple glazing packages and finish options
- Mosquito screens available
- Possibility of dual color



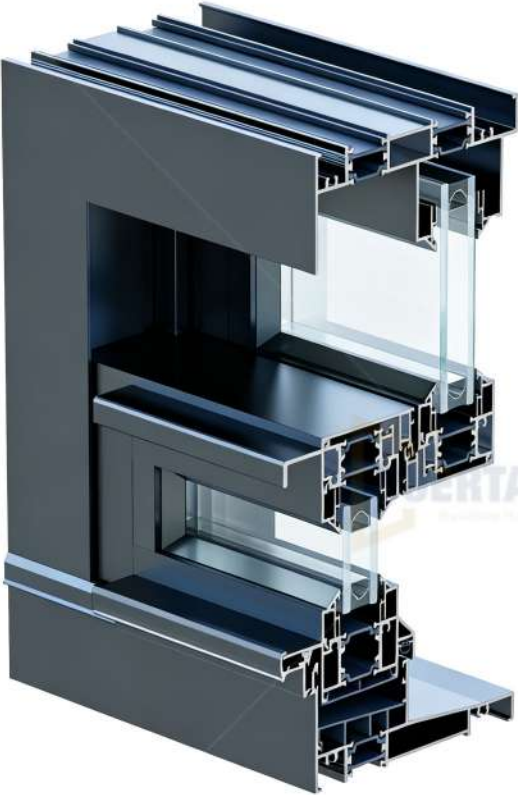
128 series

Thermal break aluminum single hung window



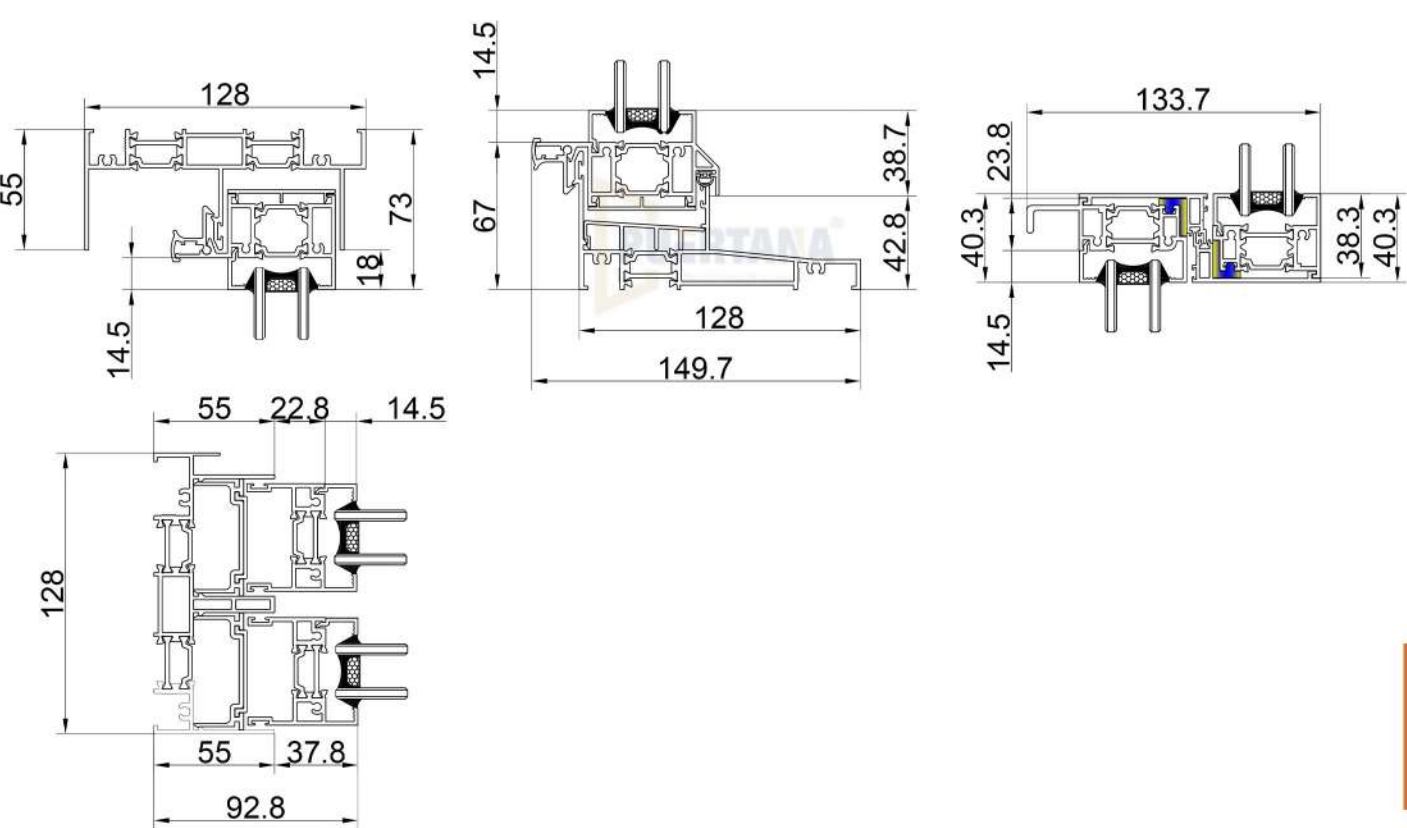
STANDARD FEATURES

- Opening: single of 1 sash
- Sections: - Frame: 128mm - Sash: 49mm
- Maximum dimensions/sash:
  - Width up to 1,500mm
  - Height up to 2,500mm
- Max weight/sash: 70 kg
- Multipoint locking hardware
- Maximum glazing thickness: 33mm



128 series

Thermal break aluminum double hung window



PERFORMANCE

| DESCRIPTION                | VALUE     | DESCRIPTION            | VALUE     |
|----------------------------|-----------|------------------------|-----------|
| SHGC                       | 0.14-0.97 | U-Value (BTU/h·ft²·°F) | 0.24-0.6  |
| Air Infiltration (cfm/ft²) | 0.01      | STC (dB)               | 41        |
| Water resistance (psf)     | 12.11     | VT                     | 0.13-0.85 |

\*Values may vary depending on glazing packages utilized

GENERAL SPECIFICATIONS

- profile thickness: 2.0mm
- Double glazed glass
- color powder coating

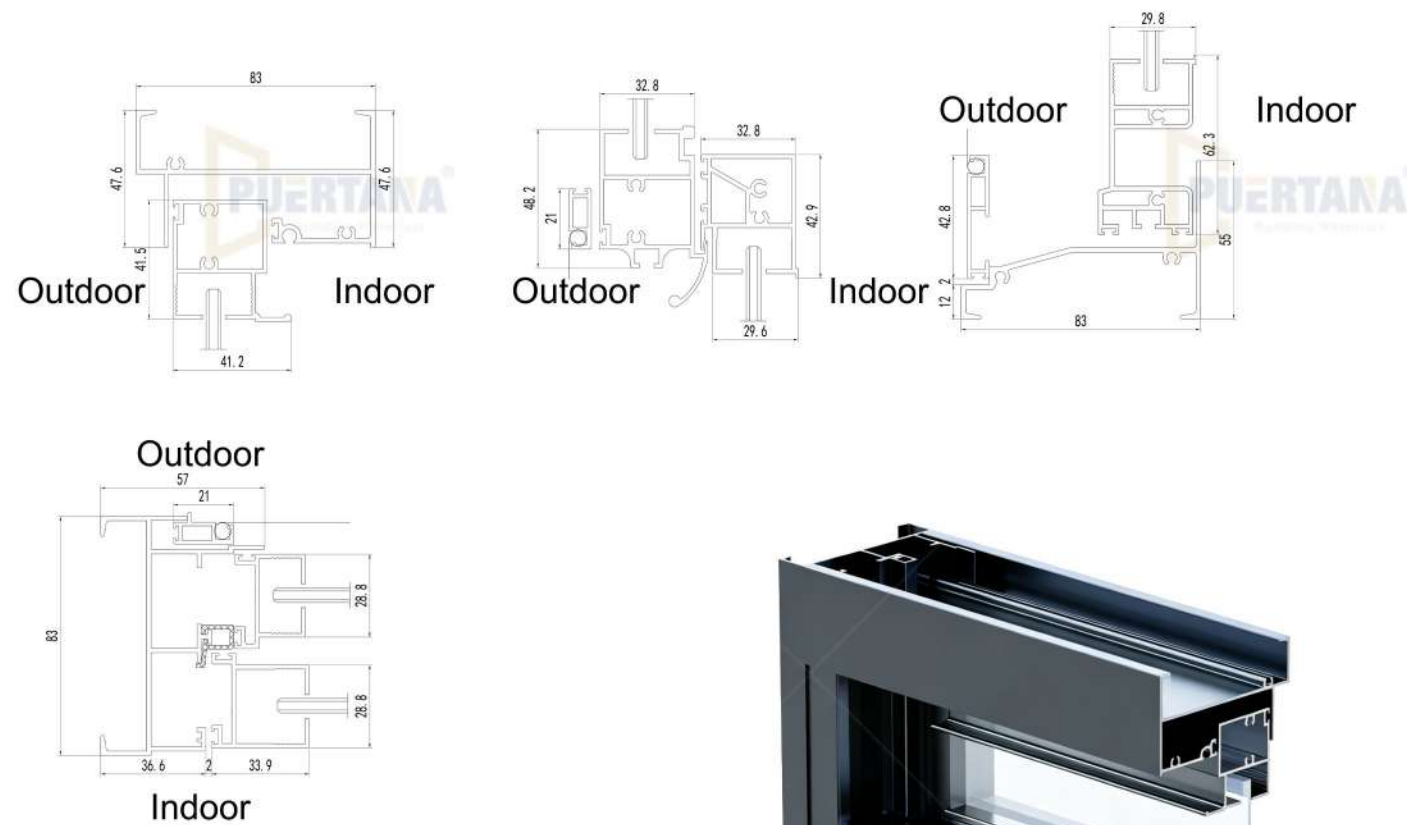
OPTIONS

- Multiple glazing packages and finish options
- Mosquito screens available
- Possibility of dual color



## 83 series

## Non-thermal break aluminum double hung window



## GENERAL SPECIFICATIONS

- profile thickness: 1.4mm
- Single glazed glass
- color powder coating

## OPTIONS

- Multiple glazing packages and finish options
- Mosquito screens available



## 83 series

## Non-thermal break aluminum double hung window



## PERFORMANCE

| DESCRIPTION                | VALUE     | DESCRIPTION            | VALUE     |
|----------------------------|-----------|------------------------|-----------|
| SHGC                       | 0.14-0.97 | U-Value (BTU/h·ft²·°F) | 0.24-0.6  |
| Air Infiltration (cfm/ft²) | 0.01      | STC (dB)               | 38        |
| Water resistance (psf)     | 12.11     | VT                     | 0.13-0.85 |

\*Values may vary depending on glazing packages utilized

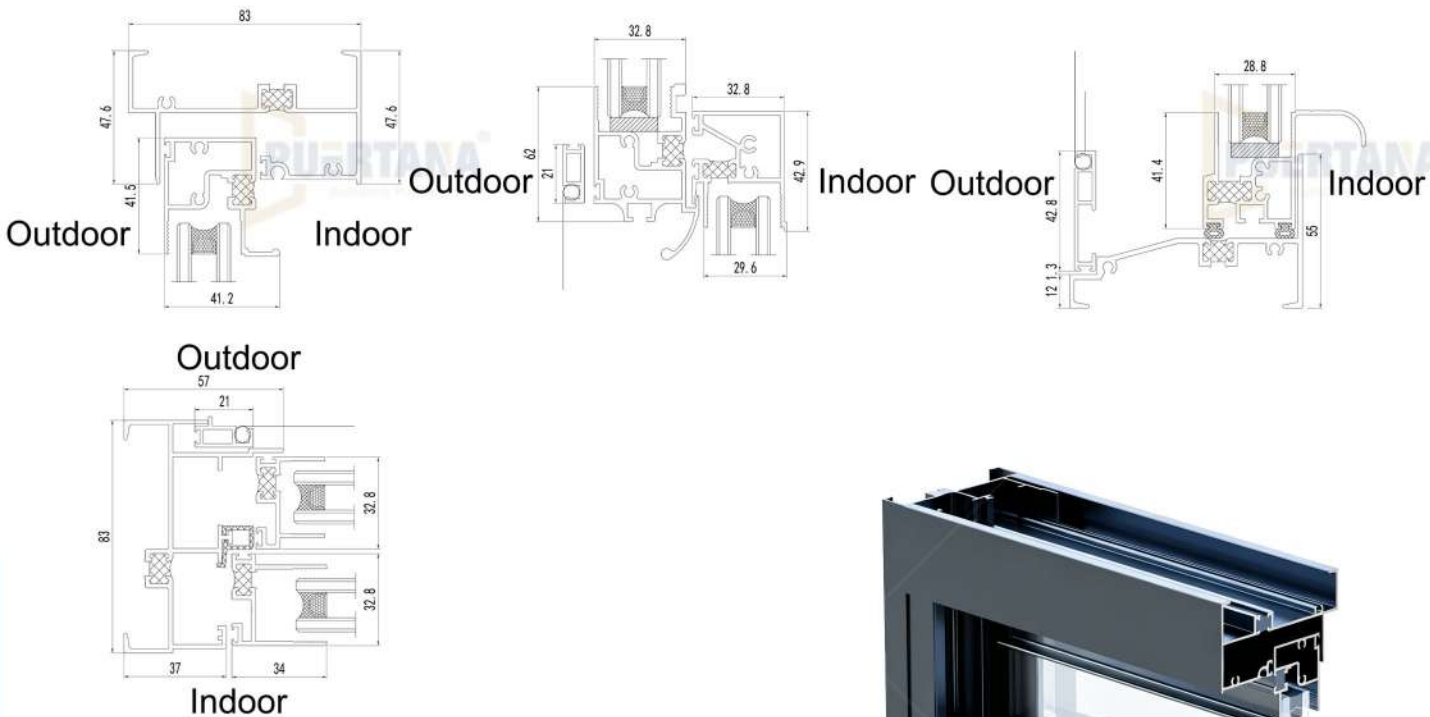
## STANDARD FEATURES

- Opening: single of 1 sash
- Sections: - Frame: 50mm - Sash: 26mm
- Maximum dimensions/sash:
  - Width up to 1,200mm
  - Height up to 2,400mm
- Max weight/sash: 160 kg
- Multipoint locking hardware
- Maximum glazing thickness: 22mm



83 series

Thermal break aluminum double hung window



GENERAL SPECIFICATIONS

- profile thickness: 1.4mm
  - Single glazed glass
  - color powder coating
- OPTIONS
- Multiple glazing packages and finish options
  - Mosquito screens available



83 series

Thermal break aluminum double hung window



PERFORMANCE

| DESCRIPTION                | VALUE     | DESCRIPTION            | VALUE     |
|----------------------------|-----------|------------------------|-----------|
| SHGC                       | 0.14-0.97 | U-Value (BTU/h·ft²·°F) | 0.24-0.6  |
| Air Infiltration (cfm/ft²) | 0.01      | STC (dB)               | 41        |
| Water resistance (psf)     | 12.11     | VT                     | 0.13-0.85 |

\*Values may vary depending on glazing packages utilized

STANDARD FEATURES

- Opening: single of 1 sash
- Sections: - Frame: 50mm - Sash: 26mm
- Maximum dimensions/sash:
  - Width up to 1,200mm
  - Height up to 2,400mm
- Max weight/sash: 160 kg
- Multipoint locking hardware
- Maximum glazing thickness: 22mm





### What is Guillotine Window?

A guillotine window is a window that moves vertically. The basic guillotine windows are made of two vertically sliding frames and manually powered. Today guillotine windows are with bottom or top fixed frames, opening from bottom to top or from top to bottom with several sliding frames. New generation guillotine windows works with automatic remote control.

## Aluminum Guillotine

windows



### 120 series

#### STANDARD FEATURES

- Sliding of 2, 3 Sashes
- Sections:
  - Frame: 120mm
  - Sash: 26mm
- Maximum dimensions/sash:
  - Width up to 3,500mm
  - Height up to 3,000mm

### 150 series

#### STANDARD FEATURES

- Sliding of 2, 3 Sashes
- Sections:
  - Frame: 150mm
  - Sash: 50mm
- Maximum dimensions/sash:
  - Width up to 4,500mm
  - Height up to 3,000mm

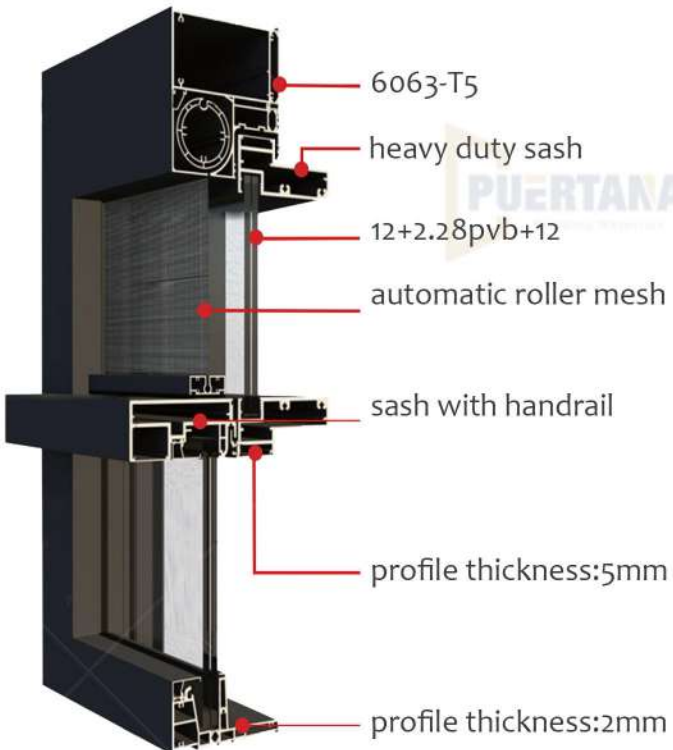


# Aluminum Guillotine

windows



- 150 series(heavy duty)**
- STANDARD FEATURES**
- Sliding of 2, 3 Sashes
  - Sections:
    - Frame: 150mm
    - Sash: 50mm
  - Maximum dimensions/sash:
    - Width up to 5,000mm
    - Height up to 3,000mm



- 198 series**
- STANDARD FEATURES**
- Sliding of 2, 3 Sashes
  - Sections:
    - Frame: 198mm
    - Sash: 80mm
  - Maximum dimensions/sash:
    - Width up to 6,500mm
    - Height up to 4,000mm

# Aluminum Guillotine

windows accessories

|                                                                                       |                                                                                       |                                                                                       |                                                                                       |
|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|    |    |    |    |
| remote control system                                                                 | Speaktoit Assistant remote system                                                     |                                                                                       | sunshading system                                                                     |
|    |    |    |    |
| servo motor                                                                           | deceleration system                                                                   | double reduction gearbox                                                              | cast steel chain                                                                      |
|  |  |  |  |
| control system                                                                        | Transformer system                                                                    | counterweight system                                                                  | limit-control system                                                                  |
|  |  |  |  |
| limit-control system                                                                  | lighting system                                                                       | Anti-pinch hand system                                                                | Touch Screen operation                                                                |



55 series

Non-thermal break aluminum fold up window



GENERAL SPECIFICATIONS

- profile thickness: 1.4mm
- double glazed glass
- color powder coating

OPTIONS

- Multiple glazing packages and finish options
- Mosquito screens available
- Dual-sealed warm edge spacer
- argon gas infill



55 series

Non-thermal break aluminum fold up window



PERFORMANCE

| DESCRIPTION                | VALUE     | DESCRIPTION            | VALUE     |
|----------------------------|-----------|------------------------|-----------|
| SHGC                       | 0.14-0.97 | U-Value (BTU/h·ft²·°F) | 0.24-0.6  |
| Air Infiltration (cfm/ft²) | 0.01      | STC (dB)               | 38        |
| Water resistance (psf)     | 12.11     | VT                     | 0.13-0.85 |

\*Values may vary depending on glazing packages utilized

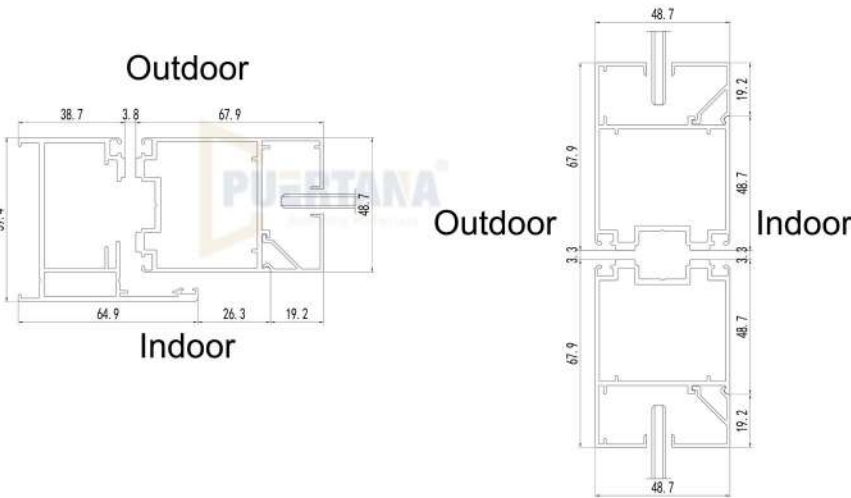
STANDARD FEATURES

- Opening: fold up of 2 sashes
- Sections:
  - Frame: 43mm
  - Sash: 36mm
- Maximum dimensions/sash:
  - Width up to 1,200mm
  - Height up to 2,400mm
- Max weight/sash: 160 kg
- Multipoint locking hardware
- Maximum glazing thickness: 22mm



60 series

Non-thermal break aluminum fold up window



GENERAL SPECIFICATIONS

- Profile thickness: 1.6mm
- Double glazed glass
- Color powder coating

STANDARD FEATURES

- Opening: fold up of 2 sashes
- Sections:
  - Frame: 60mm - Sash: 49mm
- Maximum dimensions/sash:
  - Width up to 1,200mm
  - Height up to 2,400mm
- Max weight/sash: 160 kg
- Multipoint locking hardware
- Maximum glazing thickness: 22mm



60 series

Non-thermal break aluminum fold up window



PERFORMANCE

| DESCRIPTION                | VALUE     | DESCRIPTION            | VALUE     |
|----------------------------|-----------|------------------------|-----------|
| SHGC                       | 0.14-0.97 | U-Value (BTU/h·ft²·°F) | 0.24-0.6  |
| Air Infiltration (cfm/ft²) | 0.01      | STC (dB)               | 35        |
| Water resistance (psf)     | 12.11     | VT                     | 0.13-0.85 |

\*Values may vary depending on glazing packages utilized

OPTIONS

- Multiple glazing packages and finish options
- Mosquito screens available
- Dual-sealed warm edge spacer
- argon gas infill



100 series

Non-thermal break fold up window



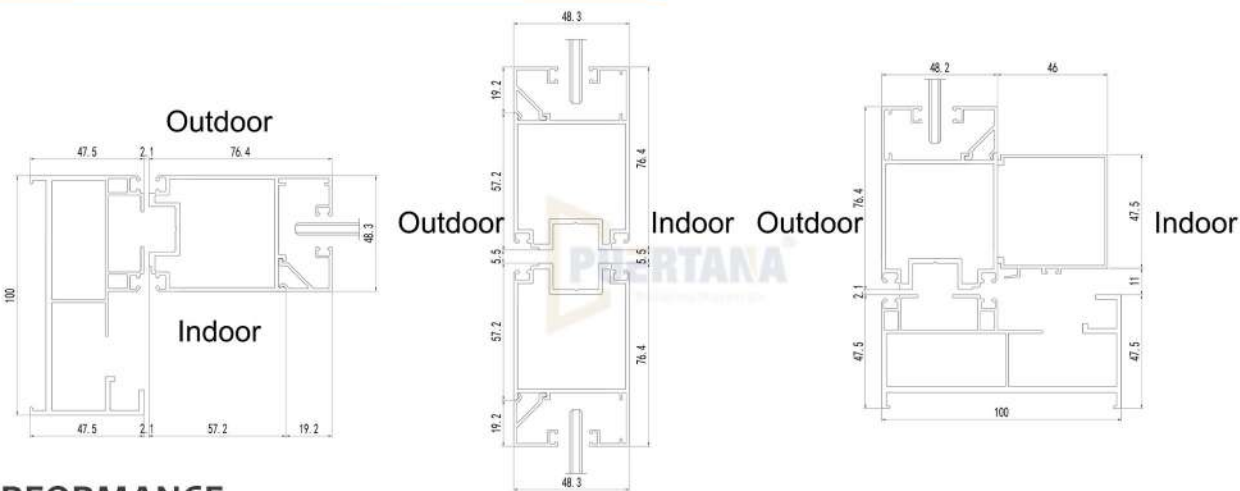
GENERAL SPECIFICATIONS

- profile thickness: 1.4mm
  - double glazed glass
  - color powder coating
- OPTIONS
- Multiple glazing packages and finish options
  - Mosquito screens available
  - Dual-sealed warm edge spacer
  - argon gas infill



100 series

Non-thermal break fold up window



PERFORMANCE

| DESCRIPTION                | VALUE     | DESCRIPTION            | VALUE     |
|----------------------------|-----------|------------------------|-----------|
| SHGC                       | 0.14-0.97 | U-Value (BTU/h·ft²·°F) | 0.24-0.6  |
| Air Infiltration (cfm/ft²) | 0.01      | STC (dB)               | 38        |
| Water resistance (psf)     | 12.11     | VT                     | 0.13-0.85 |

\*Values may vary depending on glazing packages utilized

STANDARD FEATURES

- Opening: fold up of 2 sashes
- Sections:
  - Frame: 43mm
  - Sash: 36mm
- Maximum dimensions/sash:
  - Width up to 1,200mm
  - Height up to 2,400mm
- Max weight/sash: 160 kg
- Multipoint locking hardware
- Maximum glazing thickness: 22mm



60 series

Thermal break fold up window



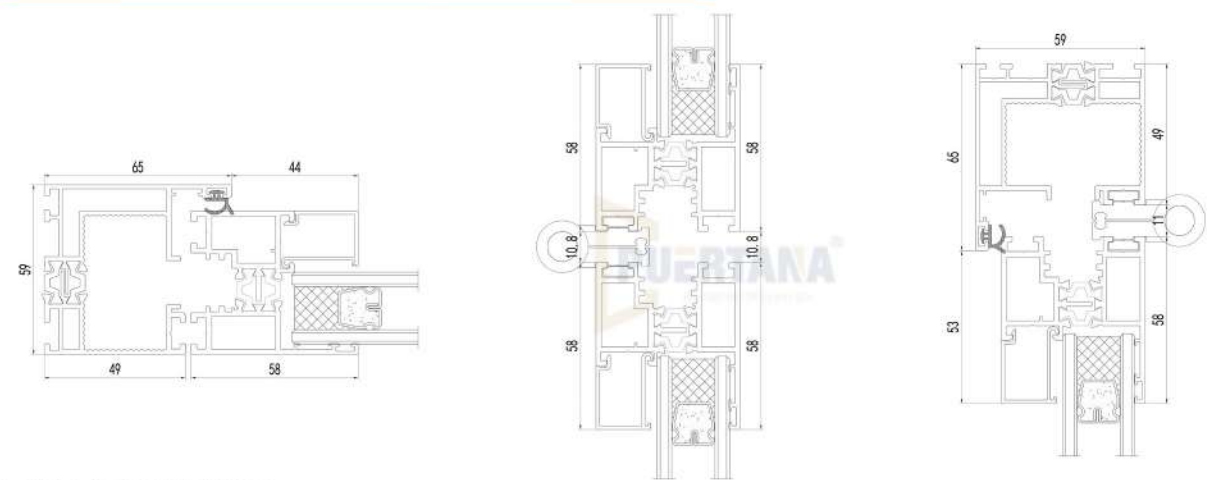
GENERAL SPECIFICATIONS

- profile thickness: 1.4mm
  - double glazed glass
  - color powder coating
- OPTIONS
- Multiple glazing packages and finish options
  - Mosquito screens available
  - Dual-sealed warm edge spacer
  - argon gas infill



60 series

Thermal break fold up window



PERFORMANCE

| DESCRIPTION                | VALUE     | DESCRIPTION            | VALUE     |
|----------------------------|-----------|------------------------|-----------|
| SHGC                       | 0.14-0.97 | U-Value (BTU/h·ft²·°F) | 0.24-0.6  |
| Air Infiltration (cfm/ft²) | 0.01      | STC (dB)               | 38        |
| Water resistance (psf)     | 12.11     | VT                     | 0.13-0.85 |

\*Values may vary depending on glazing packages utilized

STANDARD FEATURES

- Opening: fold up of 2 sashes
- Sections:
  - Frame: 43mm
  - Sash: 36mm
- Maximum dimensions/sash:
  - Width up to 1,200mm
  - Height up to 2,400mm
- Max weight/sash: 160 kg
- Multipoint locking hardware
- Maximum glazing thickness: 22mm



# FOLDING

## PATIO DOORS



Our aluminum folding doors (also known as bi-fold doors) feature an innovative multi-panel folding design that delivers fully unobstructed wide openings and seamless indoor-outdoor connectivity, making them a premium choice for modern residential and commercial architecture. Each panel is hinged together and glides smoothly along top and bottom tracks, folding neatly to one or both sides without occupying valuable interior or exterior space. Crafted from high-performance aluminum alloy with optional thermally broken framing, these doors combine exceptional structural strength, superior weather resistance, and outstanding energy efficiency. Available in a wide range of panel configurations, folding directions and custom sizes, our aluminum folding doors adapt perfectly to patio entrances, balcony enclosures, backyard facades, retail storefronts and interior space dividers, creating expansive, light-filled living and working environments.

# FOLDING

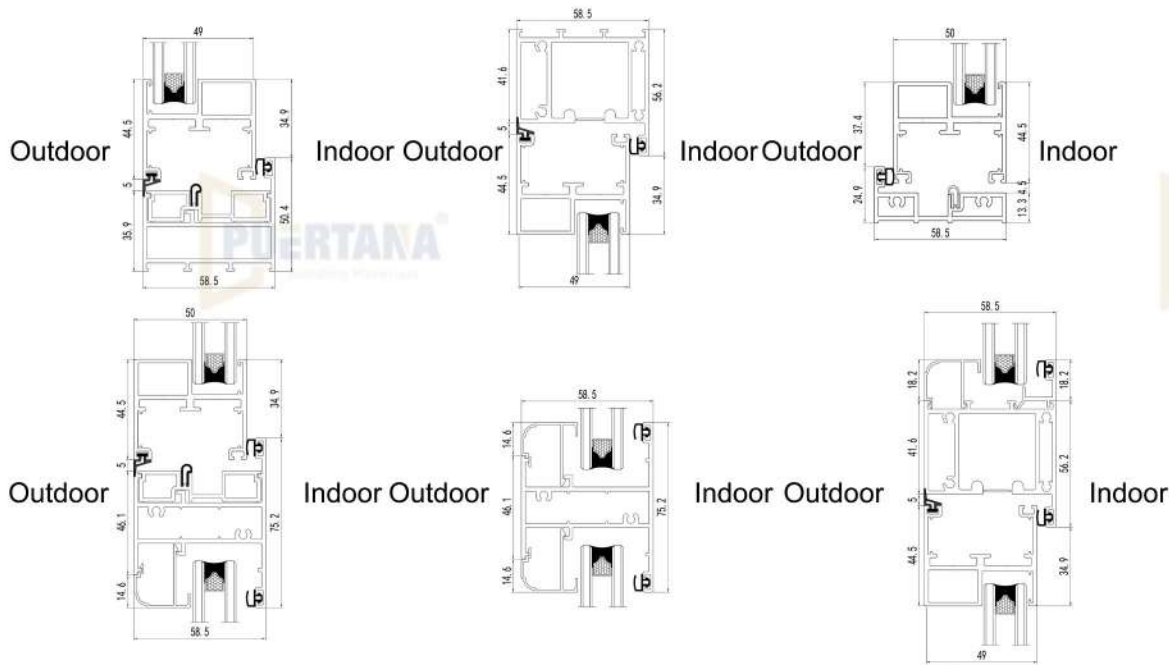
## PATIO DOORS





58 series

Non-thermal break aluminum folding window & door



STANDARD FEATURES

- Operation:
  - Inward Opening: Bi-fold from multiple sashes
  - Outward Opening: Bi-fold from multiple sashes
  - Possibility of a 90° corner sash without mullion
- Sections:
  - Frame: 58mm - Sash: 50mm
- Maximum dimensions/sash:
  - Width up to 1,000mm - Height up to 2,500mm
- Max weight/sash: 100 kg(depending on the quantity of hinges)
- Multipoint locking hardware
- Maximum glazing thickness: 22mm



58 series

Non-thermal break aluminum folding window & door



PERFORMANCE

| DESCRIPTION                | VALUE     | DESCRIPTION            | VALUE     |
|----------------------------|-----------|------------------------|-----------|
| SHGC                       | 0.14-0.97 | U-Value (BTU/h·ft²·°F) | 0.24-0.6  |
| Air Infiltration (cfm/ft²) | 0.01      | STC (dB)               | 35        |
| Water resistance (psf)     | 12.11     | VT                     | 0.13-0.85 |

\*Values may vary depending on glazing packages utilized

GENERAL SPECIFICATIONS

- profile thickness: 2.0mm
- double glazed glass
- with concealed hinges
- color powder coating

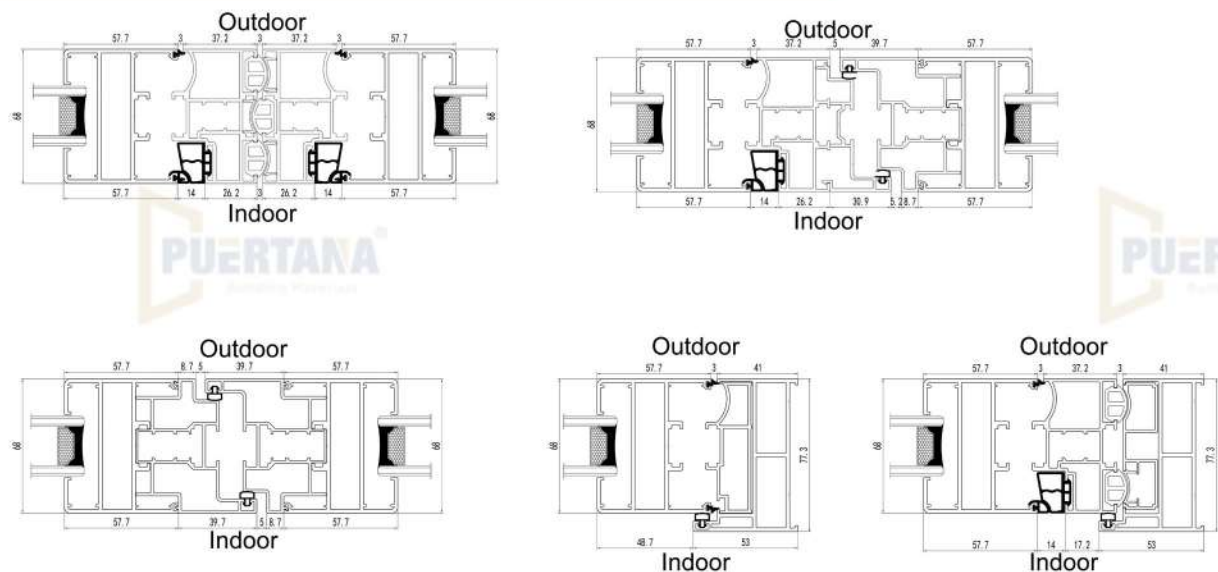
OPTIONS

- Multiple glazing packages and finish options
- Mosquito screens available
- Dual-sealed warm edge spacer
- argon gas infill



78 series

Non-thermal break aluminum folding door



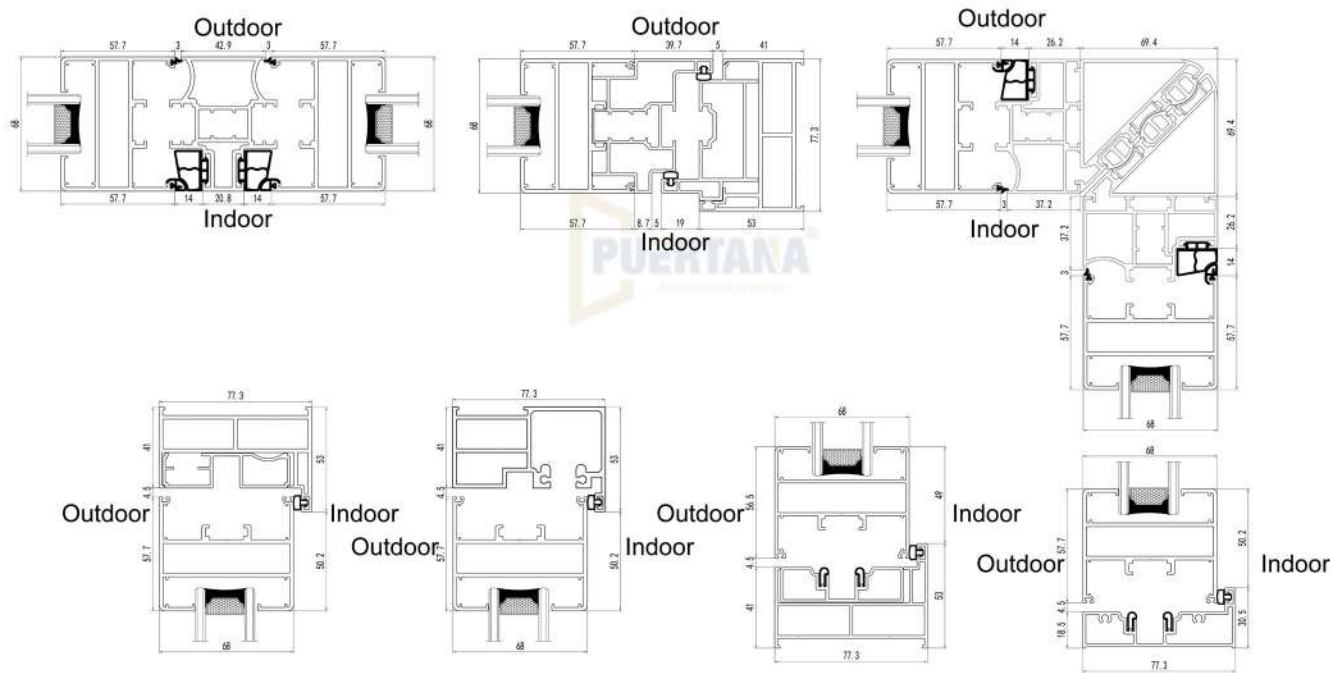
STANDARD FEATURES

- Operation:
  - Inward Opening: Bi-fold from multiple sashes
  - Outward Opening: Bi-fold from multiple sashes
  - Possibility of a 90° corner sash without mullion
- Sections:
  - Frame: 78mm - Sash: 68mm
  - Maximum dimensions/sash:
    - Width up to 1,100mm - Height up to 3,500mm
  - Max weight/sash: 150 kg(depending on the quantity of hinges)
  - Multipoint locking hardware
  - Maximum glazing thickness: 38mm



78 series

Non-thermal break aluminum folding door



PERFORMANCE

| DESCRIPTION                | VALUE     | DESCRIPTION            | VALUE     |
|----------------------------|-----------|------------------------|-----------|
| SHGC                       | 0.14-0.97 | U-Value (BTU/h·ft²·°F) | 0.24-0.6  |
| Air Infiltration (cfm/ft²) | 0.01      | STC (dB)               | 38        |
| Water resistance (psf)     | 12.11     | VT                     | 0.13-0.85 |

\*Values may vary depending on glazing packages utilized

GENERAL SPECIFICATIONS

- profile thickness: 2.0mm
- double glazed glass
- with concealed hinges
- color powder coating

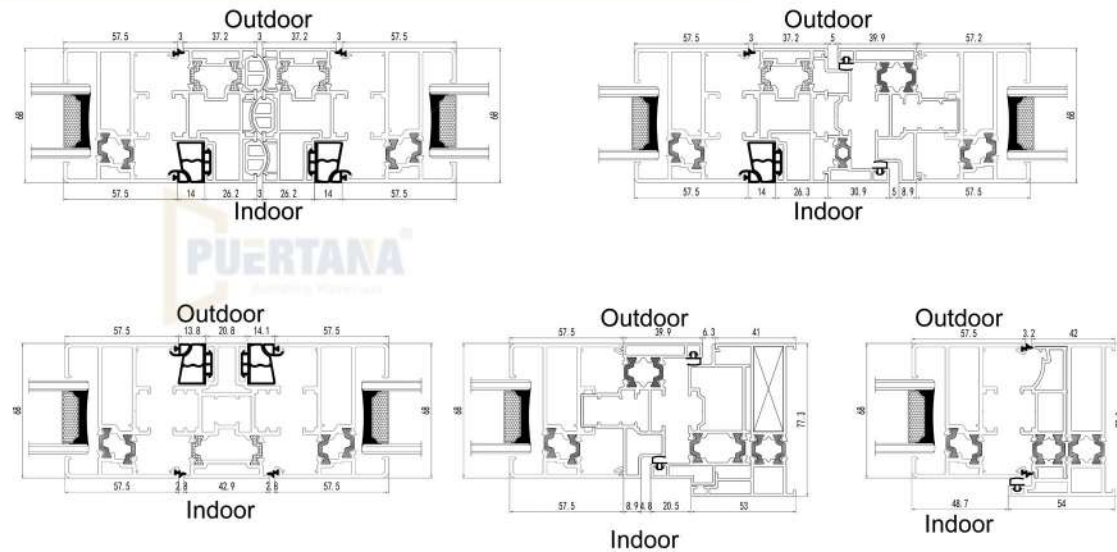
OPTIONS

- Multiple glazing packages and finish options
- Mosquito screens available
- Dual-sealed warm edge spacer
- argon gas infill



## 78 series

## Thermal break aluminum folding door



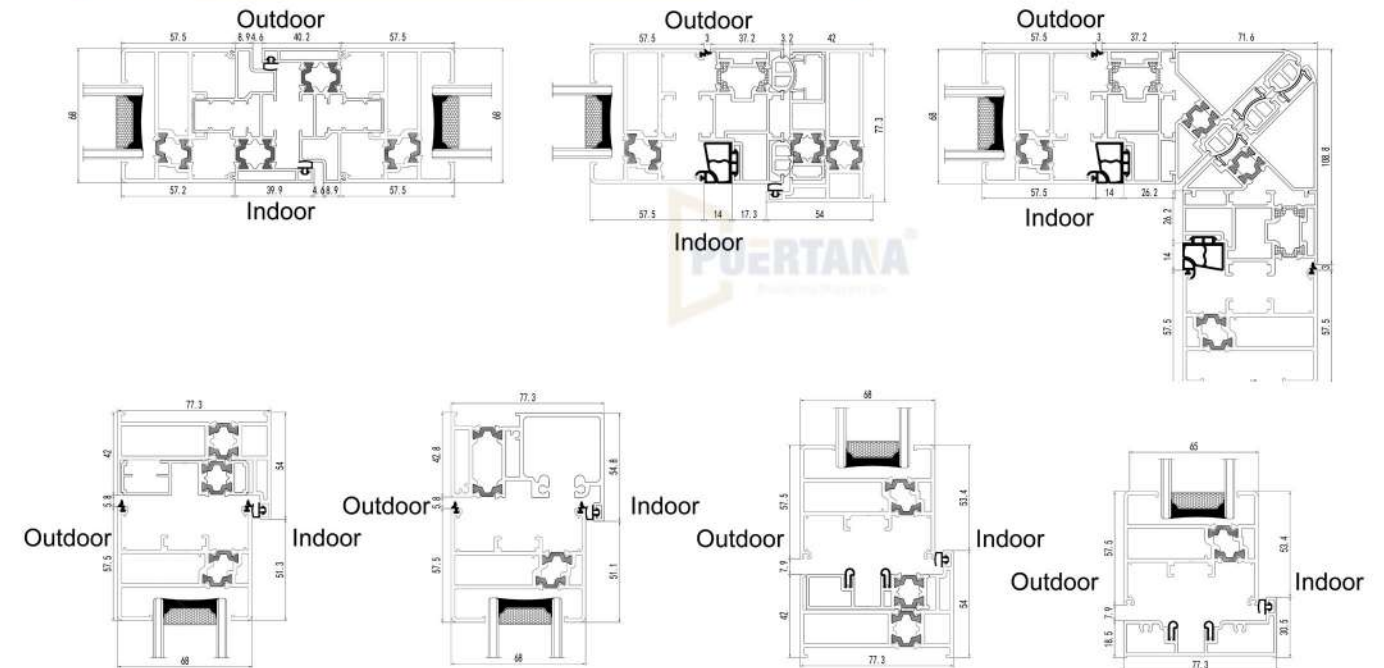
## STANDARD FEATURES

- Operation:
  - Inward Opening: Bi-fold from multiple sashes
  - Outward Opening: Bi-fold from multiple sashes
  - Possibility of a 90° corner sash without mullion
- Sections:
  - Frame: 78mm - Sash: 68mm
  - Maximum dimensions/sash:
    - Width up to 1,100mm - Height up to 3,500mm
  - Max weight/sash: 150 kg(depending on the quantity of hinges)
  - Multipoint locking hardware
  - Maximum glazing thickness: 38mm



## 78 series

## Thermal break aluminum folding door



## PERFORMANCE

| DESCRIPTION                | VALUE     | DESCRIPTION            | VALUE     |
|----------------------------|-----------|------------------------|-----------|
| SHGC                       | 0.14-0.97 | U-Value (BTU/h·ft²·°F) | 0.24-0.6  |
| Air Infiltration (cfm/ft²) | 0.01      | STC (dB)               | 41        |
| Water resistance (psf)     | 12.11     | VT                     | 0.13-0.85 |

\*Values may vary depending on glazing packages utilized

## GENERAL SPECIFICATIONS

- profile thickness: 2.0mm
- double glazed glass
- with concealed hinges
- color powder coating

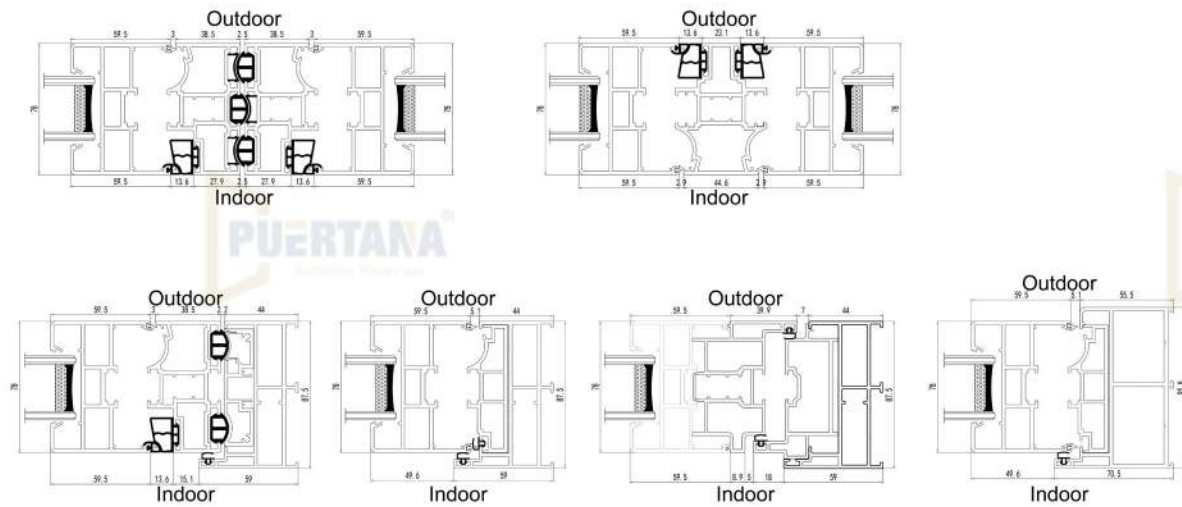
## OPTIONS

- Multiple glazing packages and finish options
- Mosquito screens available
- Dual-sealed warm edge spacer
- argon gas infill



## 98 series

## Non-thermal break aluminum folding door



## 53

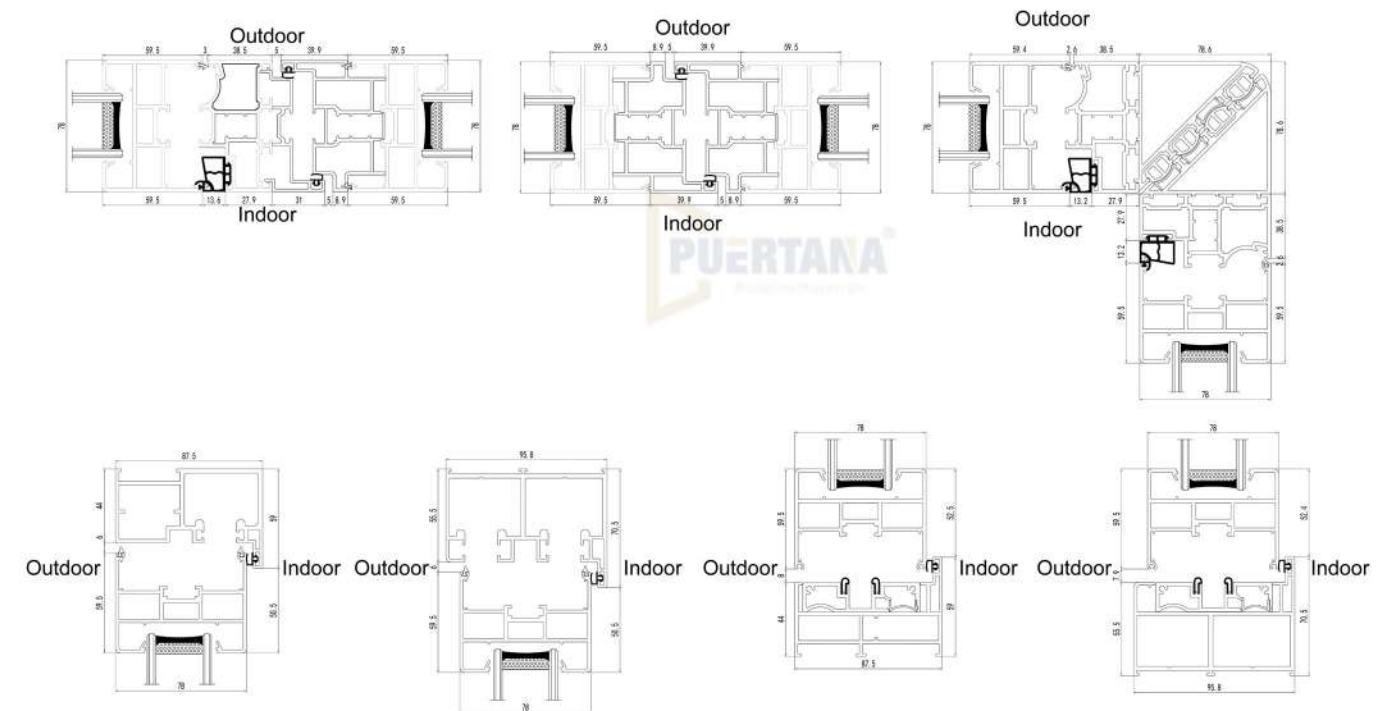
## STANDARD FEATURES

- Operation:
    - Inward Opening: Bi-fold from multiple sashes
    - Outward Opening: Bi-fold from multiple sashes
    - Possibility of a 90° corner sash without mullion
  - Sections:
    - Frame: 97mm - Sash: 78mm
  - Maximum dimensions/sash:
    - Width up to 1,200mm - Height up to 4,200mm
  - Max weight/sash: 180 kg (depending on the quantity of hinges)
  - Multipoint locking hardware
  - Maximum glazing thickness: 40mm
- 



## 98 series

## Non-thermal break aluminum folding door



## 54

## PERFORMANCE

| DESCRIPTION                | VALUE     | DESCRIPTION            | VALUE     |
|----------------------------|-----------|------------------------|-----------|
| SHGC                       | 0.14-0.97 | U-Value (BTU/h·ft²·°F) | 0.24-0.6  |
| Air Infiltration (cfm/ft²) | 0.01      | STC (dB)               | 38        |
| Water resistance (psf)     | 12.11     | VT                     | 0.13-0.85 |

\*Values may vary depending on glazing packages utilized

## GENERAL SPECIFICATIONS

- profile thickness: 2.0mm
- double glazed glass
- with concealed hinges
- color powder coating

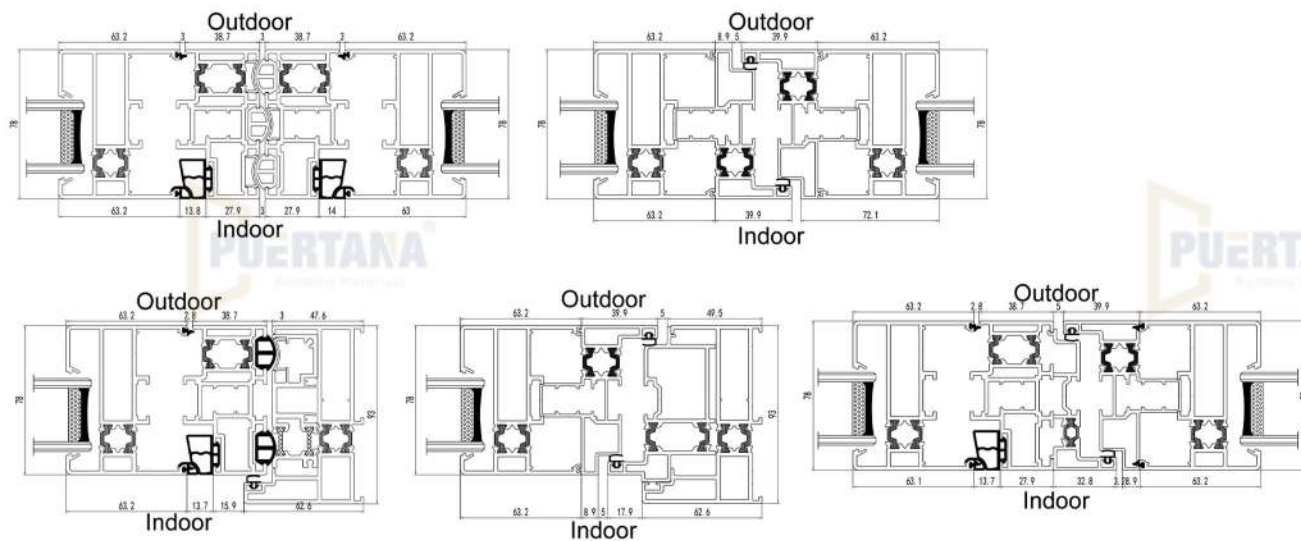
## OPTIONS

- Multiple glazing packages and finish options
- Mosquito screens available
- Dual-sealed warm edge spacer
- argon gas infill



## 98 series

## Thermal break aluminum folding door



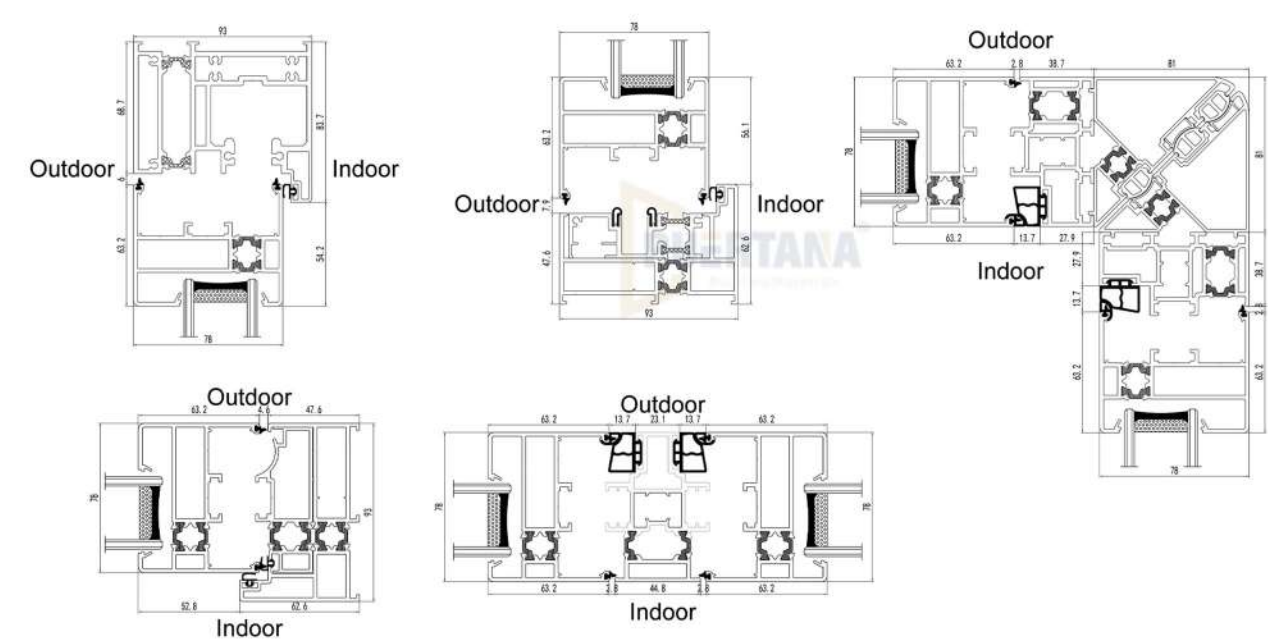
## STANDARD FEATURES

- Operation:
    - Inward Opening: Bi-fold from multiple sashes
    - Outward Opening: Bi-fold from multiple sashes
    - Possibility of a 90° corner sash without mullion
  - Sections:
    - Frame: 97mm - Sash: 78mm
  - Maximum dimensions/sash:
    - Width up to 1,200mm - Height up to 4,200mm
  - Max weight/sash: 180 kg(depending on the quantity of hinges)
  - Multipoint locking hardware
  - Maximum glazing thickness: 40mm
- 



## 98 series

## Thermal break aluminum folding door



## PERFORMANCE

| DESCRIPTION                | VALUE     | DESCRIPTION            | VALUE     |
|----------------------------|-----------|------------------------|-----------|
| SHGC                       | 0.14-0.97 | U-Value (BTU/h·ft²·°F) | 0.24-0.6  |
| Air Infiltration (cfm/ft²) | 0.01      | STC (dB)               | 41        |
| Water resistance (psf)     | 12.11     | VT                     | 0.13-0.85 |

\*Values may vary depending on glazing packages utilized

## GENERAL SPECIFICATIONS

- profile thickness: 2.0mm
- double glazed glass
- with concealed hinges
- color powder coating

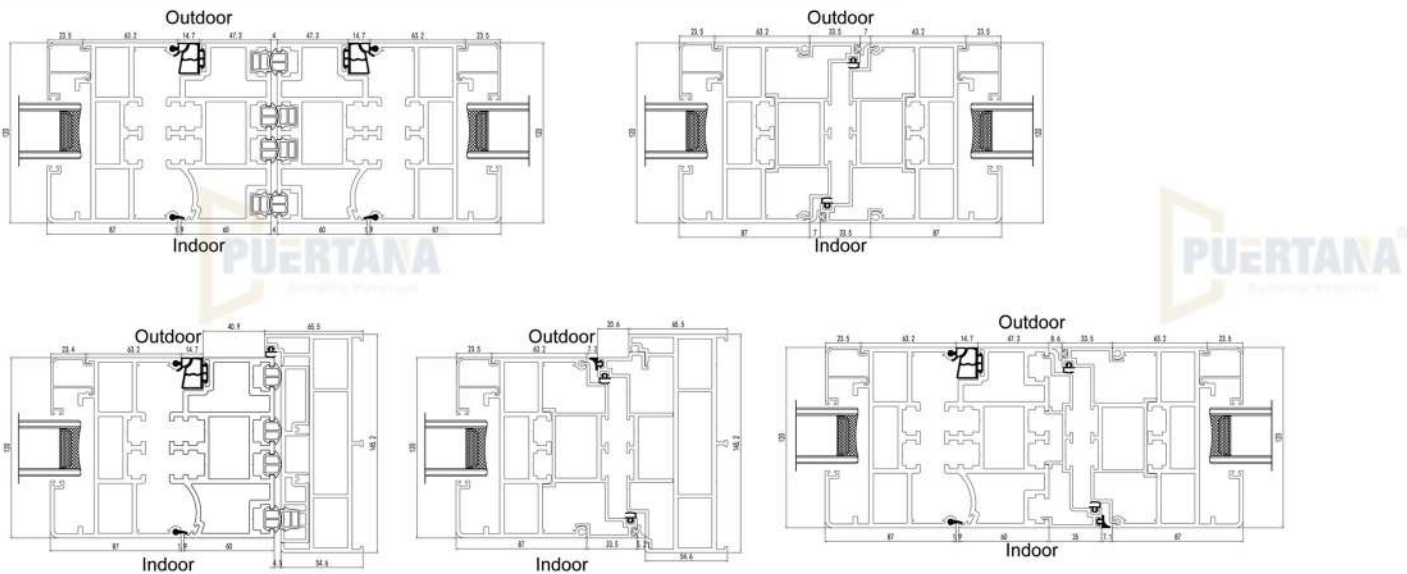
## OPTIONS

- Multiple glazing packages and finish options
- Mosquito screens available
- Dual-sealed warm edge spacer
- argon gas infill



150 series

Non-thermal break aluminum folding door



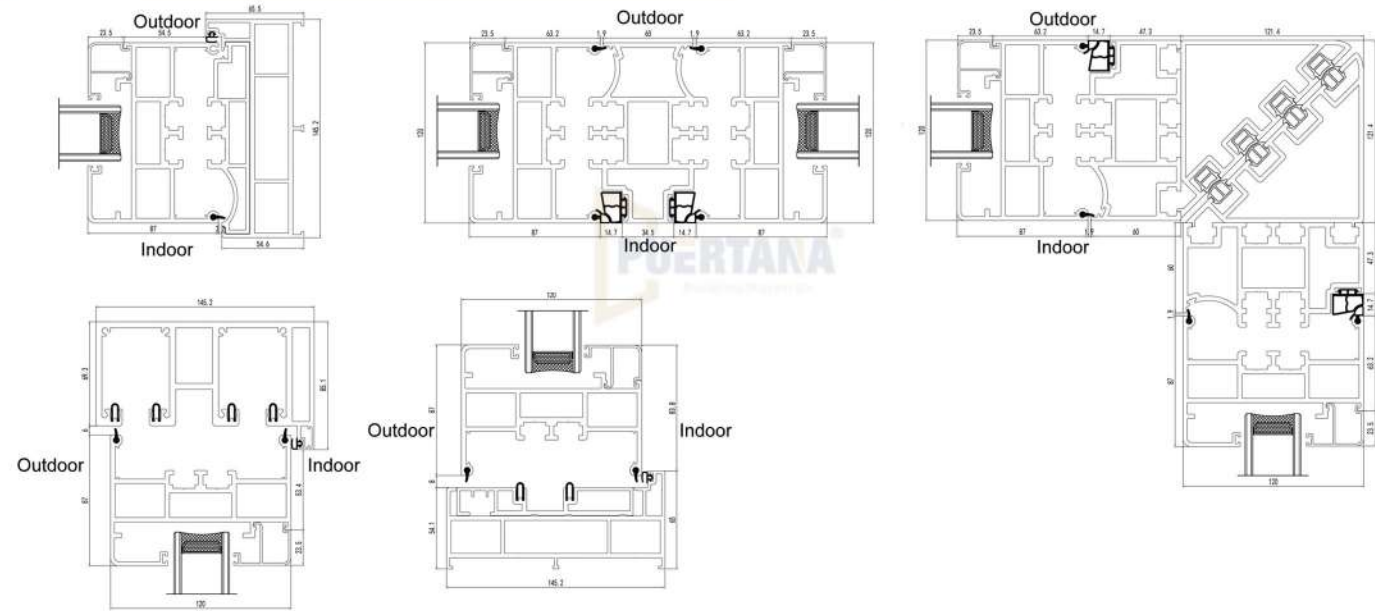
STANDARD FEATURES

- Operation:
  - Inward Opening: Bi-fold from multiple sashes
  - Outward Opening: Bi-fold from multiple sashes
  - Possibility of a 90° corner sash without mullion
- Sections:
  - Frame: 145mm - Sash: 120mm
  - Maximum dimensions/sash:
    - Width up to 1,600mm - Height up to 6,000mm
  - Max weight/sash: 350 kg(depending on the quantity of hinges)
  - Multipoint locking hardware
  - Maximum glazing thickness: 42mm



150 series

Non-thermal break aluminum folding door



PERFORMANCE

| DESCRIPTION                | VALUE     | DESCRIPTION            | VALUE     |
|----------------------------|-----------|------------------------|-----------|
| SHGC                       | 0.14-0.97 | U-Value (BTU/h·ft²·°F) | 0.24-0.6  |
| Air Infiltration (cfm/ft²) | 0.01      | STC (dB)               | 38        |
| Water resistance (psf)     | 12.11     | VT                     | 0.13-0.85 |

\*Values may vary depending on glazing packages utilized

GENERAL SPECIFICATIONS

- profile thickness: 3.0-4.0mm
- double glazed glass
- with concealed hinges
- color powder coating

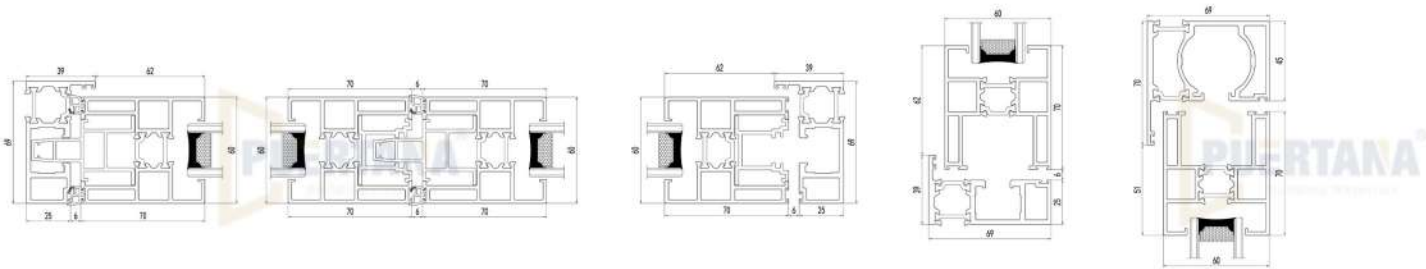
OPTIONS

- Multiple glazing packages and finish options
- Mosquito screens available
- Dual-sealed warm edge spacer
- argon gas infill



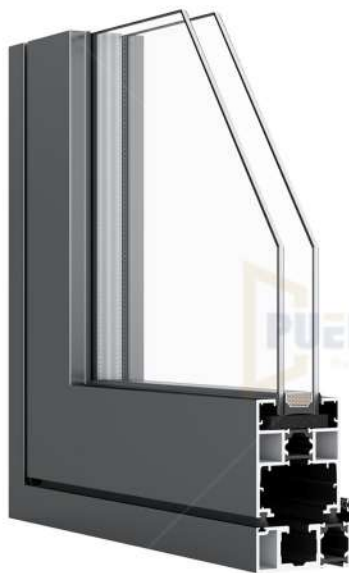
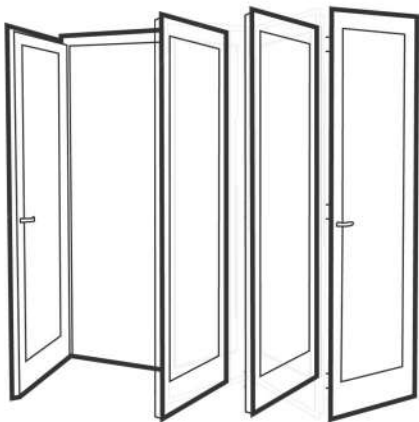
70 series

Thermal break aluminum panoramic folding sliding door



STANDARD FEATURES

- Operation:
  - Inward Opening: Bi-fold from multiple sashes
  - Outward Opening: Bi-fold from multiple sashes
  - Possibility of a 90° corner sash without mullion
- Sections:
  - Frame: 70mm - Sash: 60mm
- Maximum dimensions/sash:
  - Width up to 1,050mm - Height up to 2,500mm
- Max weight/sash: 100 kg
- Multipoint locking hardware
- Maximum glazing thickness: 31mm



70 series

Thermal break aluminum panoramic folding sliding door



PERFORMANCE

| DESCRIPTION                | VALUE     | DESCRIPTION            | VALUE     |
|----------------------------|-----------|------------------------|-----------|
| SHGC                       | 0.14-0.97 | U-Value (BTU/h·ft²·°F) | 0.24-0.6  |
| Air Infiltration (cfm/ft²) | 0.01      | STC (dB)               | 41        |
| Water resistance (psf)     | 12.11     | VT                     | 0.13-0.85 |

\*Values may vary depending on glazing packages utilized

GENERAL SPECIFICATIONS

- profile thickness: 2.0mm
- double glazed glass
- with concealed hinges
- color powder coating

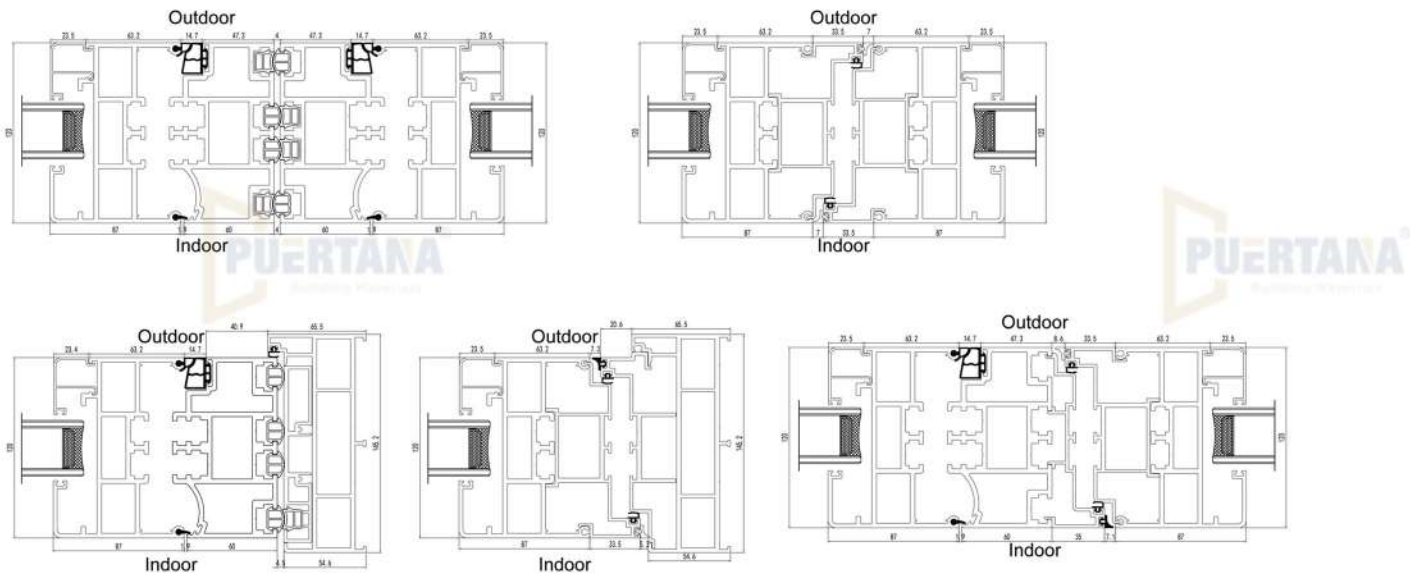
OPTIONS

- Multiple glazing packages and finish options
- Mosquito screens available
- Dual-sealed warm edge spacer
- argon gas infill



75 series

Non-thermal break aluminum folding door



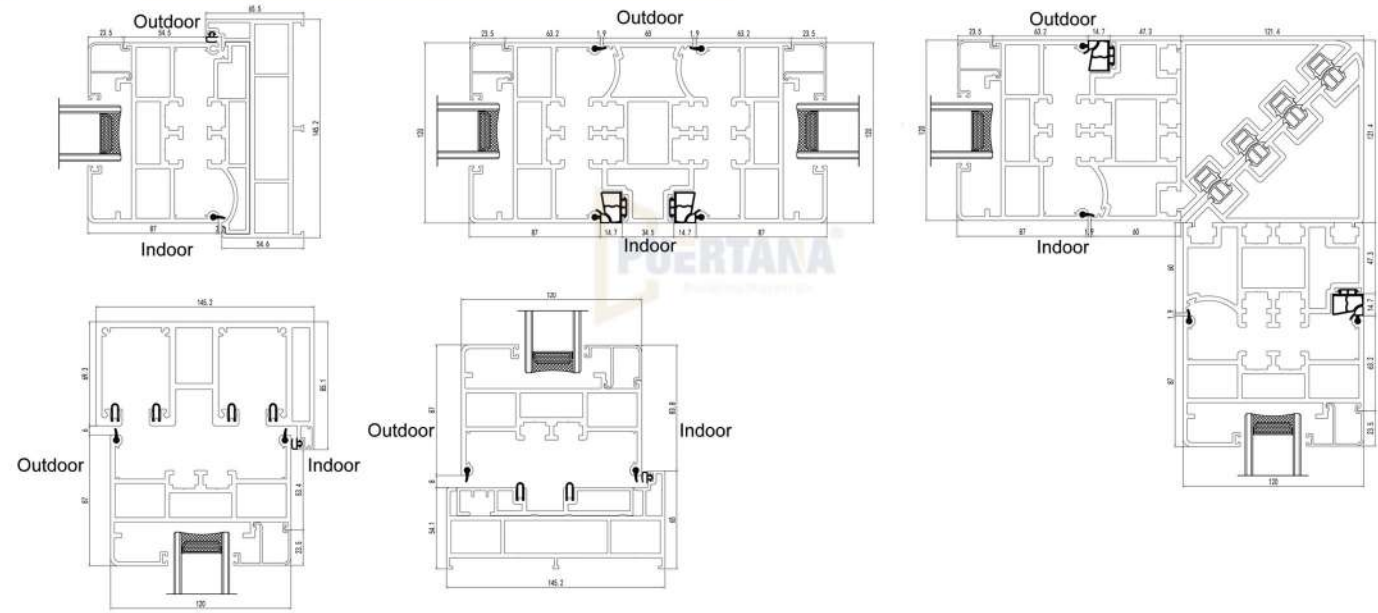
STANDARD FEATURES

- Operation:
  - Inward Opening: Bi-fold from multiple sashes
  - Outward Opening: Bi-fold from multiple sashes
  - Possibility of a 90° corner sash without mullion
- Sections:
  - Frame: 145mm - Sash: 120mm
  - Maximum dimensions/sash:
    - Width up to 1,600mm - Height up to 6,000mm
  - Max weight/sash: 350 kg(depending on the quantity of hinges)
  - Multipoint locking hardware
  - Maximum glazing thickness: 42mm



75 series

Non-thermal break aluminum folding door



PERFORMANCE

| DESCRIPTION                | VALUE     | DESCRIPTION            | VALUE     |
|----------------------------|-----------|------------------------|-----------|
| SHGC                       | 0.14-0.97 | U-Value (BTU/h·ft²·°F) | 0.24-0.6  |
| Air Infiltration (cfm/ft²) | 0.01      | STC (dB)               | 38        |
| Water resistance (psf)     | 12.11     | VT                     | 0.13-0.85 |

\*Values may vary depending on glazing packages utilized

GENERAL SPECIFICATIONS

- profile thickness: 3.0-4.0mm
- double glazed glass
- with concealed hinges
- color powder coating

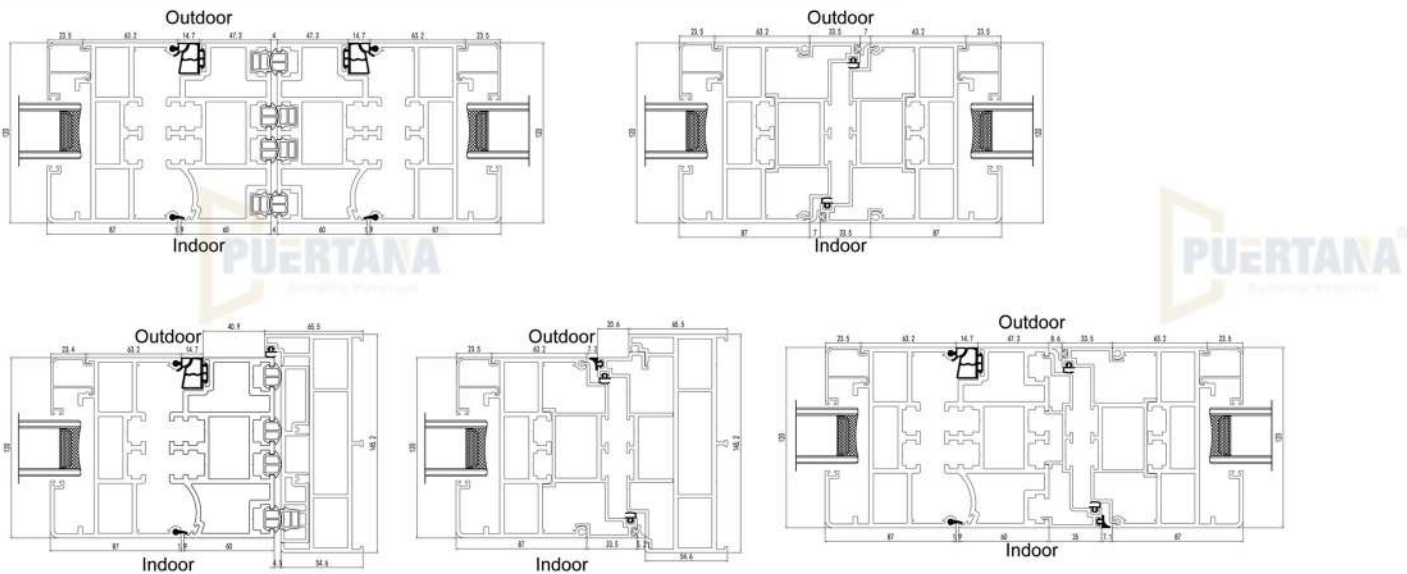
OPTIONS

- Multiple glazing packages and finish options
- Mosquito screens available
- Dual-sealed warm edge spacer
- argon gas infill



75 series

Thermal break aluminum folding door



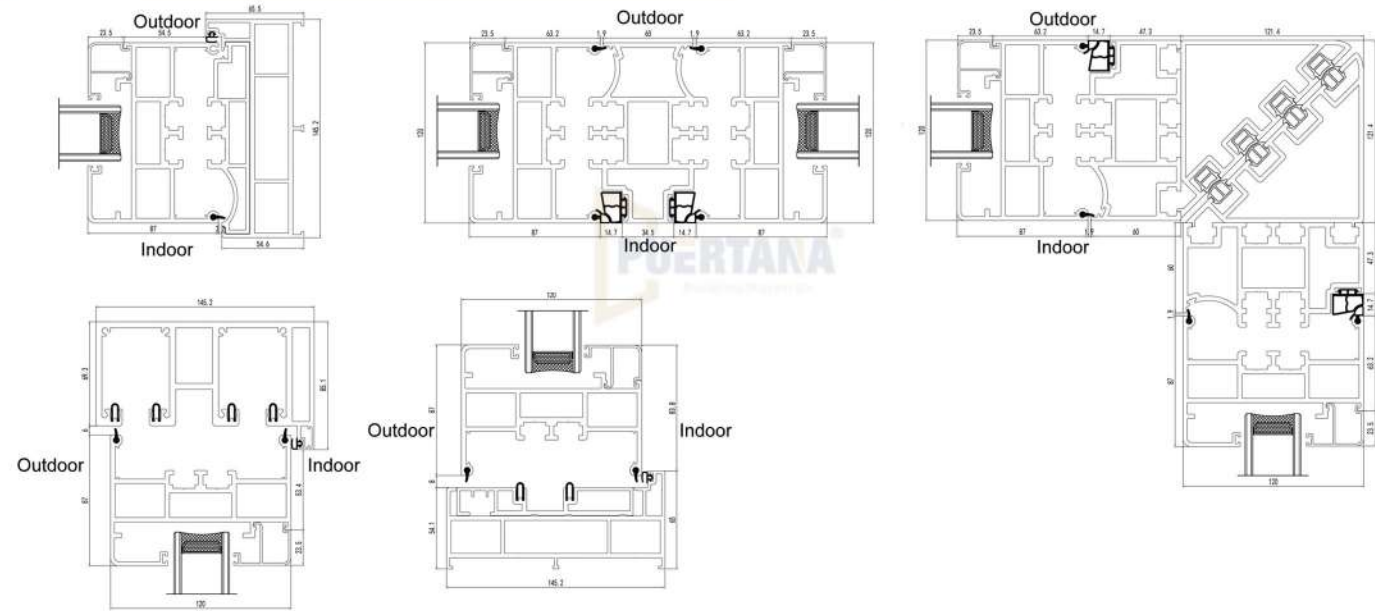
STANDARD FEATURES

- Operation:
  - Inward Opening: Bi-fold from multiple sashes
  - Outward Opening: Bi-fold from multiple sashes
  - Possibility of a 90° corner sash without mullion
- Sections:
  - Frame: 145mm - Sash: 120mm
  - Maximum dimensions/sash:
    - Width up to 1,600mm - Height up to 6,000mm
  - Max weight/sash: 350 kg(depending on the quantity of hinges)
  - Multipoint locking hardware
  - Maximum glazing thickness: 42mm



75 series

Thermal break aluminum folding door



PERFORMANCE

| DESCRIPTION                | VALUE     | DESCRIPTION            | VALUE     |
|----------------------------|-----------|------------------------|-----------|
| SHGC                       | 0.14-0.97 | U-Value (BTU/h·ft²·°F) | 0.24-0.6  |
| Air Infiltration (cfm/ft²) | 0.01      | STC (dB)               | 38        |
| Water resistance (psf)     | 12.11     | VT                     | 0.13-0.85 |

\*Values may vary depending on glazing packages utilized

GENERAL SPECIFICATIONS

- profile thickness: 3.0-4.0mm
- double glazed glass
- with concealed hinges
- color powder coating

OPTIONS

- Multiple glazing packages and finish options
- Mosquito screens available
- Dual-sealed warm edge spacer
- argon gas infill



# SLIDING

## PATIO DOORS



Our aluminum sliding doors feature a space-saving horizontal sliding design paired with premium aluminum framing, delivering unobstructed panoramic views, abundant natural light, and smooth, reliable operation for residential and commercial spaces. Unlike hinged doors that require swing clearance, sliding doors glide along parallel tracks without occupy interior or exterior space, making them an ideal solution for patio entrances, balcony access, room dividers, and large facade openings.

Available in 2-track, 3-track, and multi-panel configurations, with optional lift-sliding systems for oversized openings, our aluminum sliding doors can be customized to fit nearly any project dimension. The optional thermally broken frame structure delivers exceptional thermal insulation, ensuring year-round energy efficiency and comfort in all climate zones.

# SLIDING

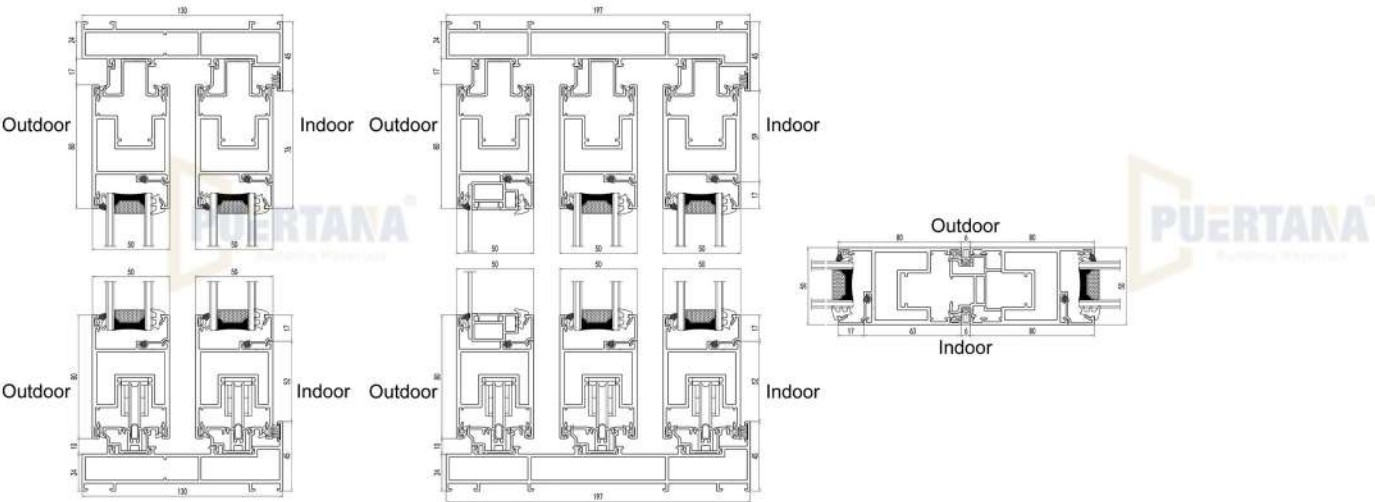
## PATIO DOORS





130/200 series

Non-thermal break aluminum sliding door



65

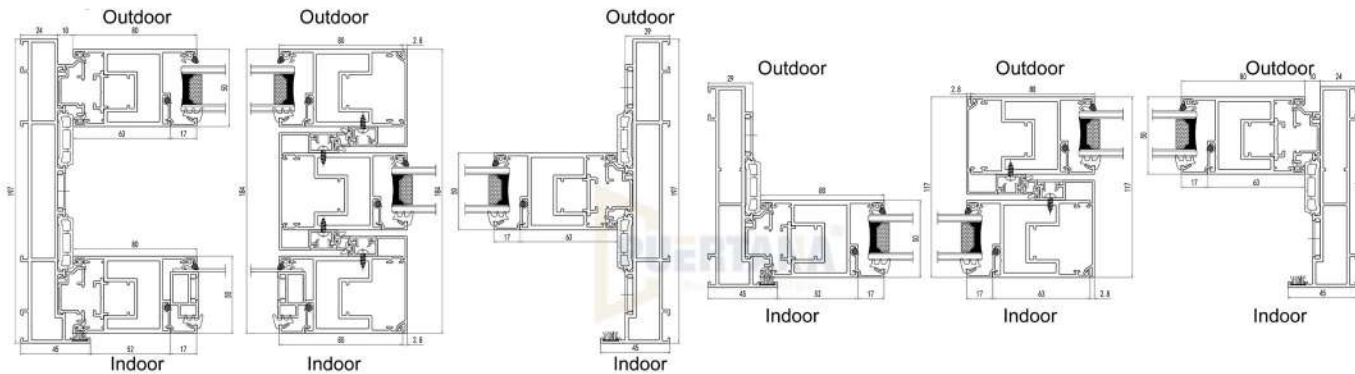
STANDARD FEATURES

- Sliding of 2, 3, 4 & 6 Sashes
- Sections:
  - Frame: 130mm / 200mm
  - Sash: 50mm
- Maximum dimensions/sash:
  - Width up to 1,500mm
  - Height up to 3,500mm
- Max weight/sash: 250 kg
- Multipoint locking hardware
- Maximum glazing thickness: 38mm



130/200 series

Non-thermal break aluminum sliding door



PERFORMANCE

| DESCRIPTION                | VALUE     | DESCRIPTION            | VALUE     |
|----------------------------|-----------|------------------------|-----------|
| SHGC                       | 0.14-0.97 | U-Value (BTU/h·ft²·°F) | 0.24-0.6  |
| Air Infiltration (cfm/ft²) | 0.01      | STC (dB)               | 38        |
| Water resistance (psf)     | 12.11     | VT                     | 0.13-0.85 |

\*Values may vary depending on glazing packages utilized

GENERAL SPECIFICATIONS

- Profile thickness: 2.0mm
- Double glazed glass
- Color powder coating
- Stainless steel wire mesh
- Possibility of 3 Rails

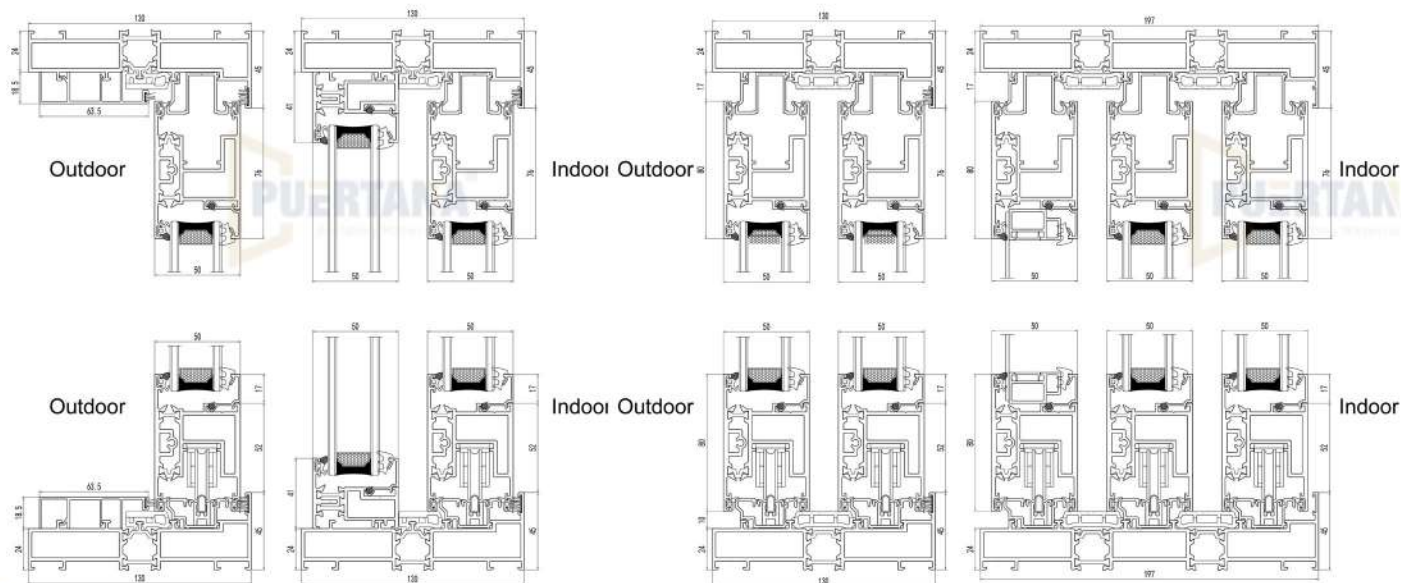
OPTIONS

- Multiple glazing packages and finish options
- Dual-sealed warm edge spacer
- argon gas infill
- lift and slide system



130/200 series

Thermal break aluminum sliding door



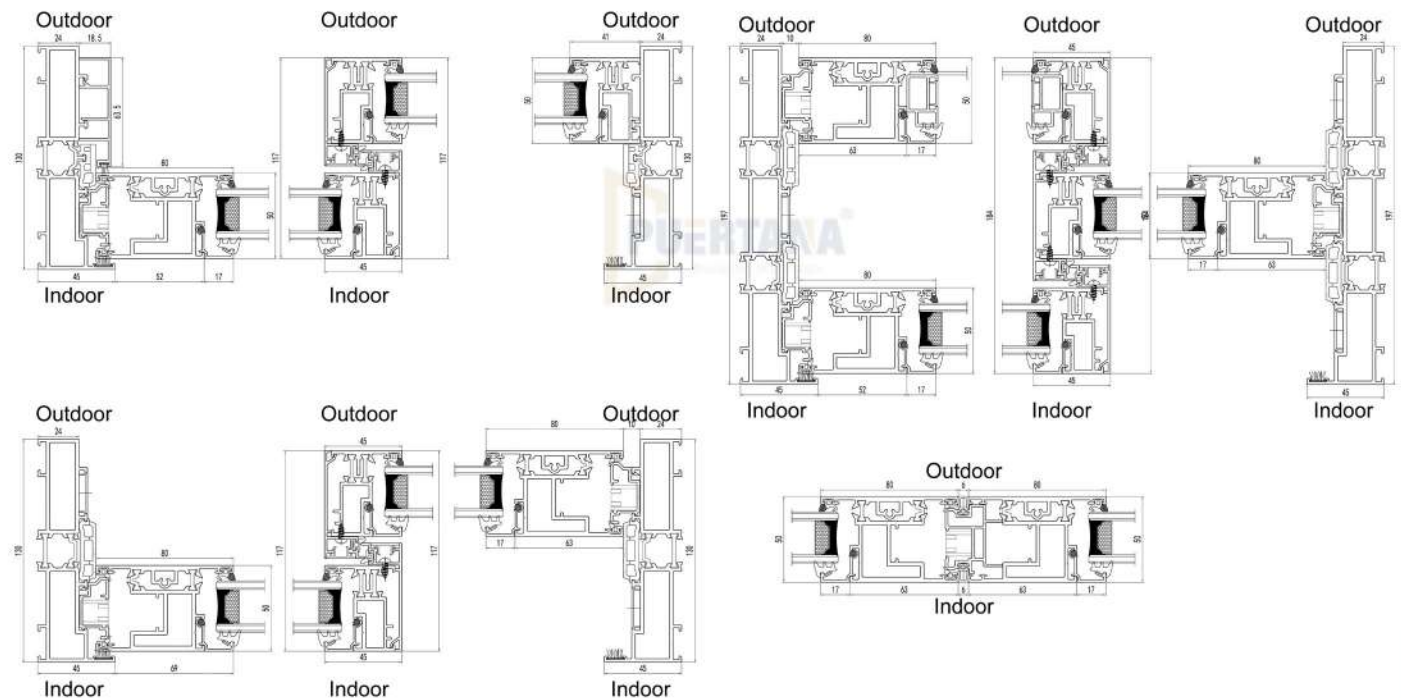
STANDARD FEATURES

- Sliding of 2, 3, 4 , 6& even number Sashes
- Sections:
  - Frame: 130mm / 200mm
  - Sash: 50mm
- Maximum dimensions/sash:
  - Width up to 1,500mm
  - Height up to 3,500mm
- Max weight/sash: 250 kg
- Multipoint locking hardware
- Maximum glazing thickness: 38mm



130/200 series

Thermal break aluminum sliding door



PERFORMANCE

| DESCRIPTION                | VALUE     | DESCRIPTION            | VALUE     |
|----------------------------|-----------|------------------------|-----------|
| SHGC                       | 0.14-0.97 | U-Value (BTU/h·ft²·°F) | 0.24-0.6  |
| Air Infiltration (cfm/ft²) | 0.01      | STC (dB)               | 41        |
| Water resistance (psf)     | 12.11     | VT                     | 0.13-0.85 |

\*Values may vary depending on glazing packages utilized

GENERAL SPECIFICATIONS

- Profile thickness: 2.0mm
- Double glazed glass
- Possibility of dual color
- Color powder coating
- Stainless steel wire mesh
- Possibility of multiple Rails

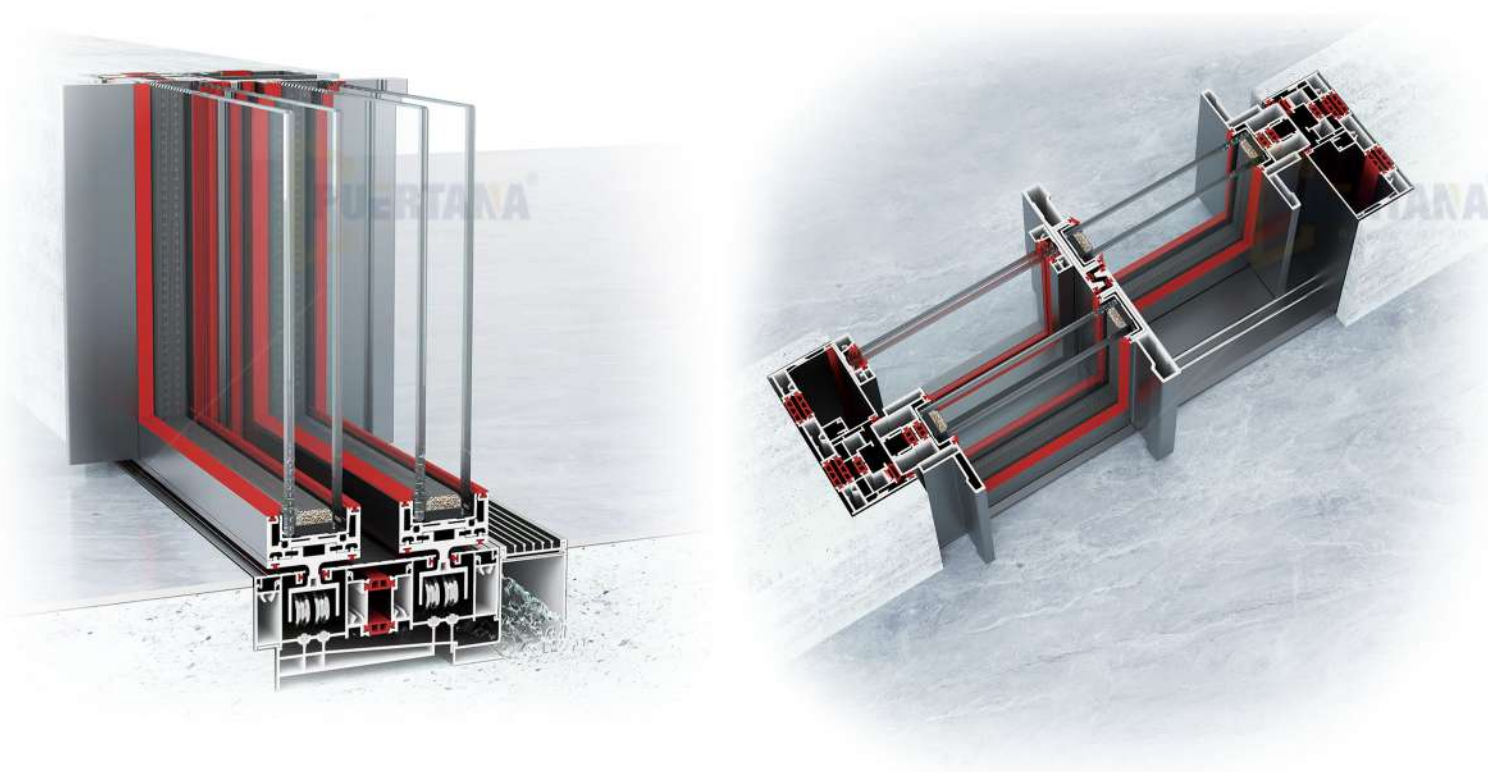
OPTIONS

- Multiple glazing packages and finish options
- Dual-sealed warm edge spacer
- argon gas infill
- lift and slide system



158 series

Thermal break slimline aluminum sliding door



GENERAL SPECIFICATIONS

- Profile thickness: 4.0mm
- Double glazed glass
- Possibility of dual color
- Color powder coating
- Retractable screen

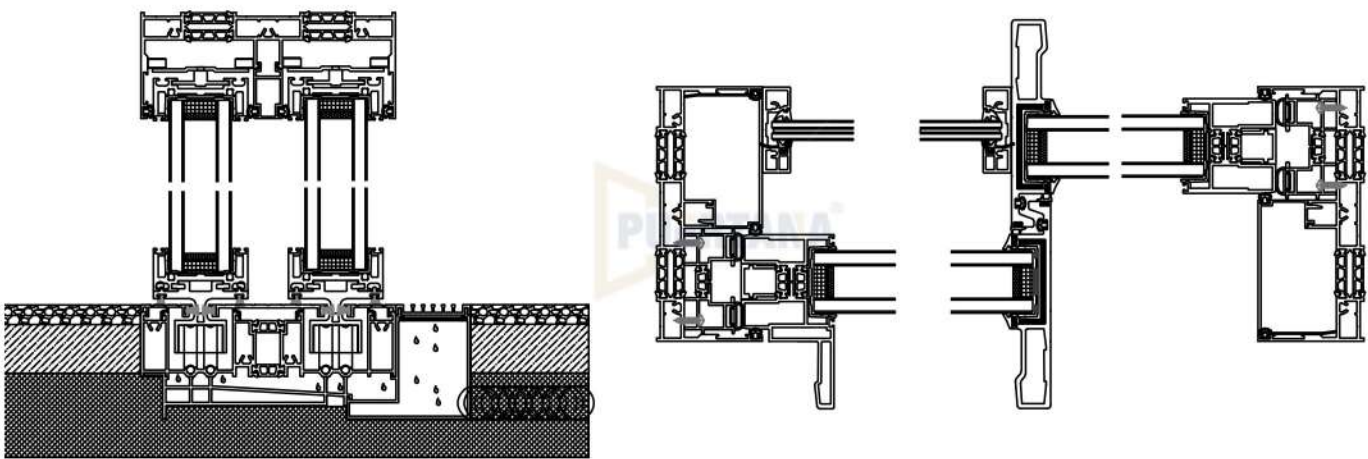
OPTIONS

- Multiple glazing packages and finish options
- Dual-sealed warm edge spacer
- argon gas infill



158 series

Thermal break slimline aluminum sliding door



PERFORMANCE

| DESCRIPTION                | VALUE     | DESCRIPTION            | VALUE     |
|----------------------------|-----------|------------------------|-----------|
| SHGC                       | 0.14-0.97 | U-Value (BTU/h·ft²·°F) | 0.24-0.6  |
| Air Infiltration (cfm/ft²) | 0.01      | STC (dB)               | 41        |
| Water resistance (psf)     | 12.11     | VT                     | 0.13-0.85 |

\*Values may vary depending on glazing packages utilized

STANDARD FEATURES

- Sliding of 2 Sashes
- Sections:
  - Frame: 158mm - Sash: 21mm
- Maximum dimensions/sash:
  - Width up to 6000mm
  - Height up to 6000mm
- Max weight/sash: 1000 kg
- Multipoint locking hardware
- Maximum glazing thickness: 35mm





# CASEMENT

## PATIO DOORS



Our aluminum casement doors feature a classic side-hinged opening design paired with high-performance aluminum framing, delivering outstanding airtightness, unobstructed views, and effortless operation for both interior and exterior applications. Hinged along one side and operated with an ergonomic handle, these doors swing inward or outward to a full opening width, maximizing natural ventilation and creating seamless transitions between indoor and outdoor spaces. Available in single-leaf, double-leaf (French style) configurations, and compatible with fixed side panels, our aluminum casement doors suit a wide range of architectural needs. The precision-engineered thermally broken frame option ensures exceptional thermal performance, making them an ideal choice for energy-conscious residential and commercial projects, from patio entrances and balcony access doors to sunroom openings and interior space dividers.

# CASEMENT

## PATIO DOORS





65 series

Thermal break aluminum casement door

65 series

Thermal break aluminum casement door

PERFORMANCE

| DESCRIPTION                | VALUE     | DESCRIPTION            | VALUE     |
|----------------------------|-----------|------------------------|-----------|
| SHGC                       | 0.14-0.97 | U-Value (BTU/h·ft²·°F) | 0.24-0.6  |
| Air Infiltration (cfm/ft²) | 0.01      | STC (dB)               | 41        |
| Water resistance (psf)     | 12.11     | VT                     | 0.13-0.85 |

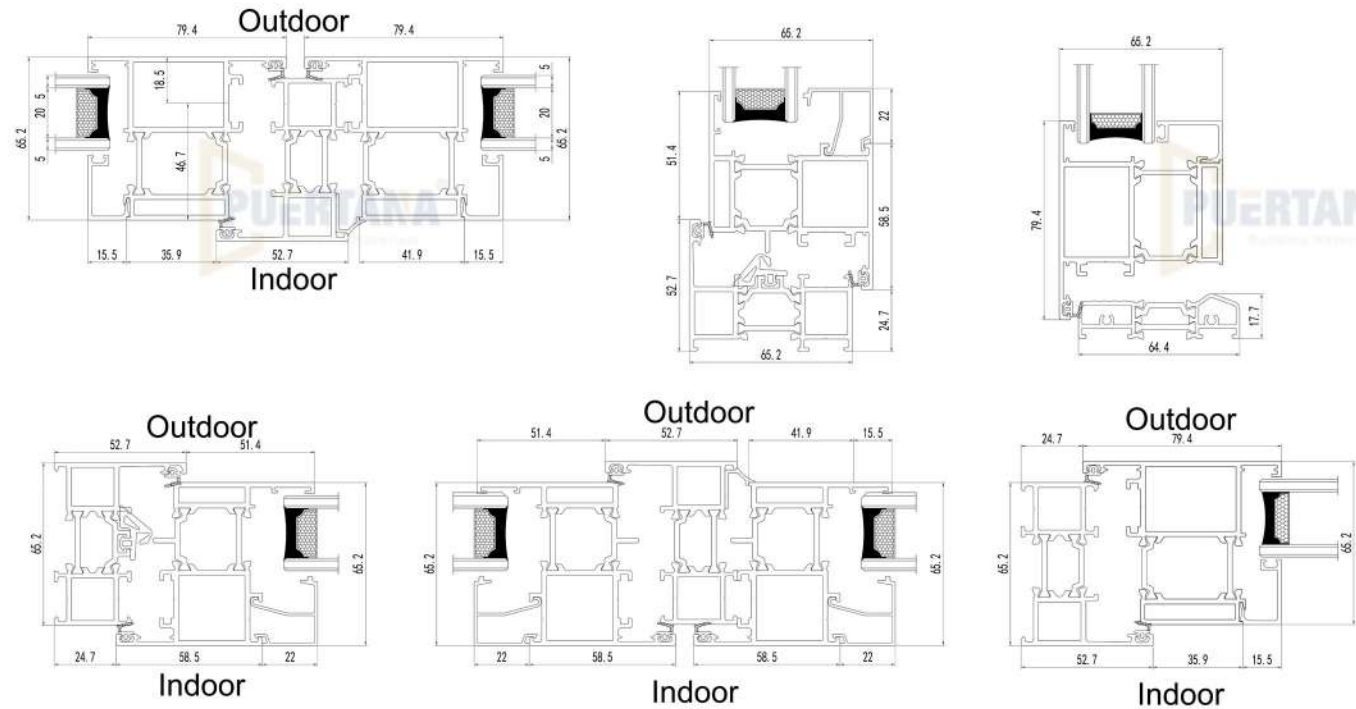
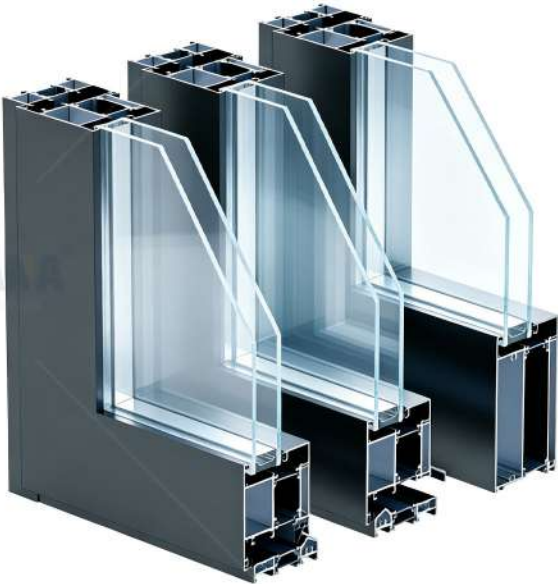
\*Values may vary depending on glazing packages utilized

OPTIONS

- Possibility of incorporating hardware with concealed hinges
- Multiple glazing packages and finish options
- Mosquito screens available
- Dual-sealed warm edge spacer
- argon gas infill

STANDARD FEATURES

- Opening: tilt and turn, side hung and top hung of 1 or 2 sashes
- Sections:
  - Frame: 65mm
  - Sash: 65mm
- Maximum dimensions/sash:
  - Width up to 1,500mm
  - Height up to 3,500mm
- Max weight/sash: 300 kg
- Multipoint locking hardware
- Maximum glazing thickness: 32mm



GENERAL SPECIFICATIONS

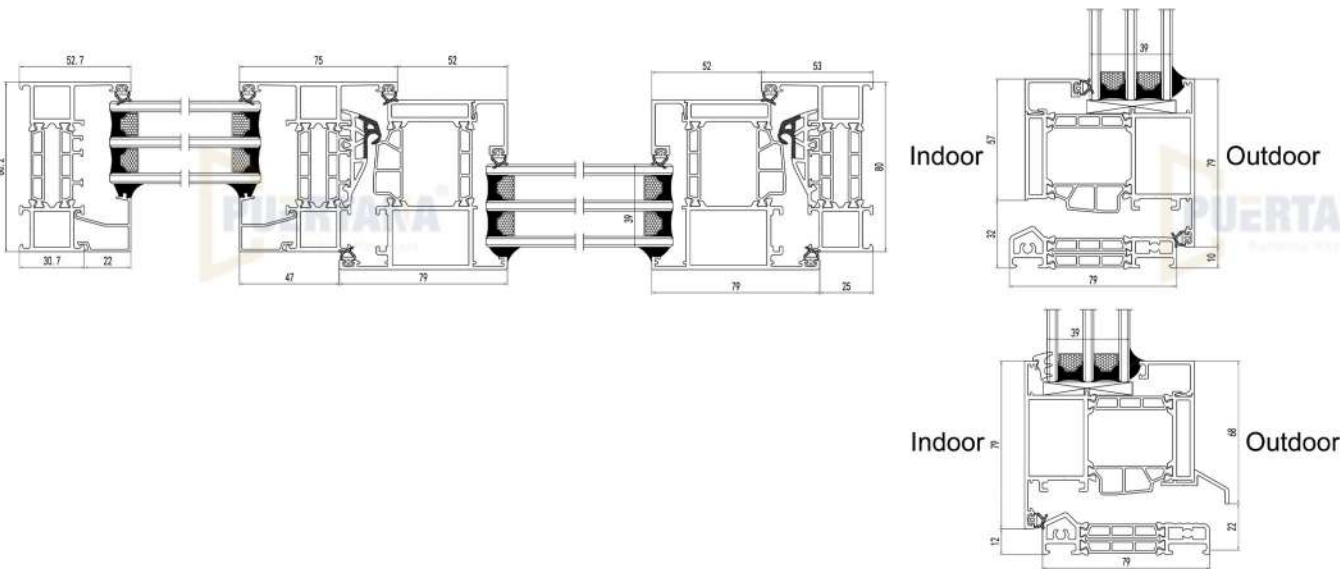
- Profile thickness: 2.0mm
- Double glazed glass
- Radius tops and arches available
- Possibility of dual color
- Color powder coating





80 series

Thermal break aluminum casement door



73

GENERAL SPECIFICATIONS

- Profile thickness: 2.0mm
- Triple glazed glass
- Radius tops and arches available
- Possibility of dual color
- Color powder coating



80 series

Thermal break aluminum casement door

PERFORMANCE

| DESCRIPTION                | VALUE     | DESCRIPTION            | VALUE     |
|----------------------------|-----------|------------------------|-----------|
| SHGC                       | 0.14-0.97 | U-Value (BTU/h·ft²·°F) | 0.24-0.6  |
| Air Infiltration (cfm/ft²) | 0.01      | STC (dB)               | 45        |
| Water resistance (psf)     | 12.11     | VT                     | 0.13-0.85 |

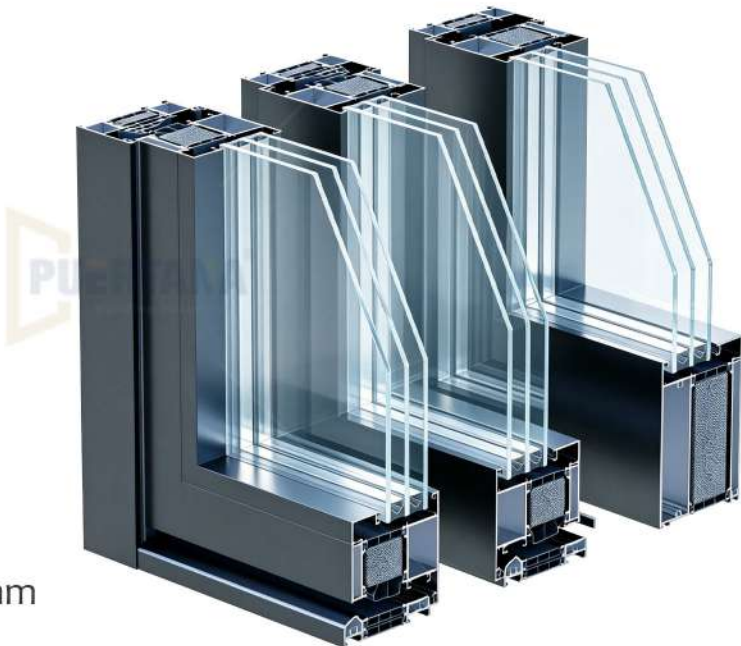
\*Values may vary depending on glazing packages utilized

OPTIONS

- Possibility of incorporating hardware with concealed hinges
- Multiple glazing packages and finish options
- Mosquito screens available
- Dual-sealed warm edge spacer
- argon gas infill

STANDARD FEATURES

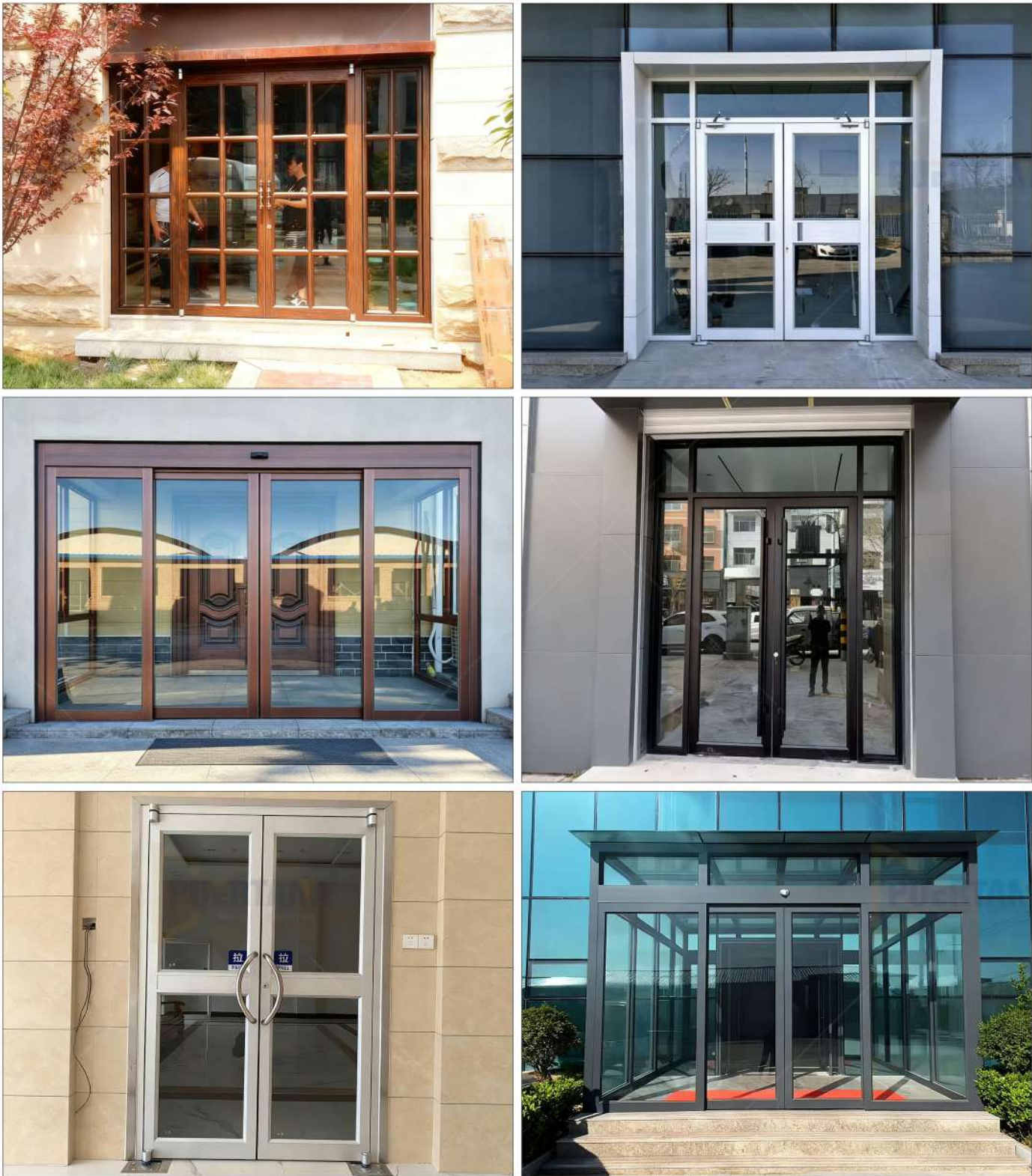
- Opening: tilt and turn, side hung and top hung of 1 or 2 sashes
- Sections:
  - Frame: 80mm
  - Sash: 80mm
- Maximum dimensions/sash:
  - Width up to 1,500mm
  - Height up to 3,500mm
- Max weight/sash: 300 kg
- Multipoint locking hardware
- Maximum glazing thickness: 41mm





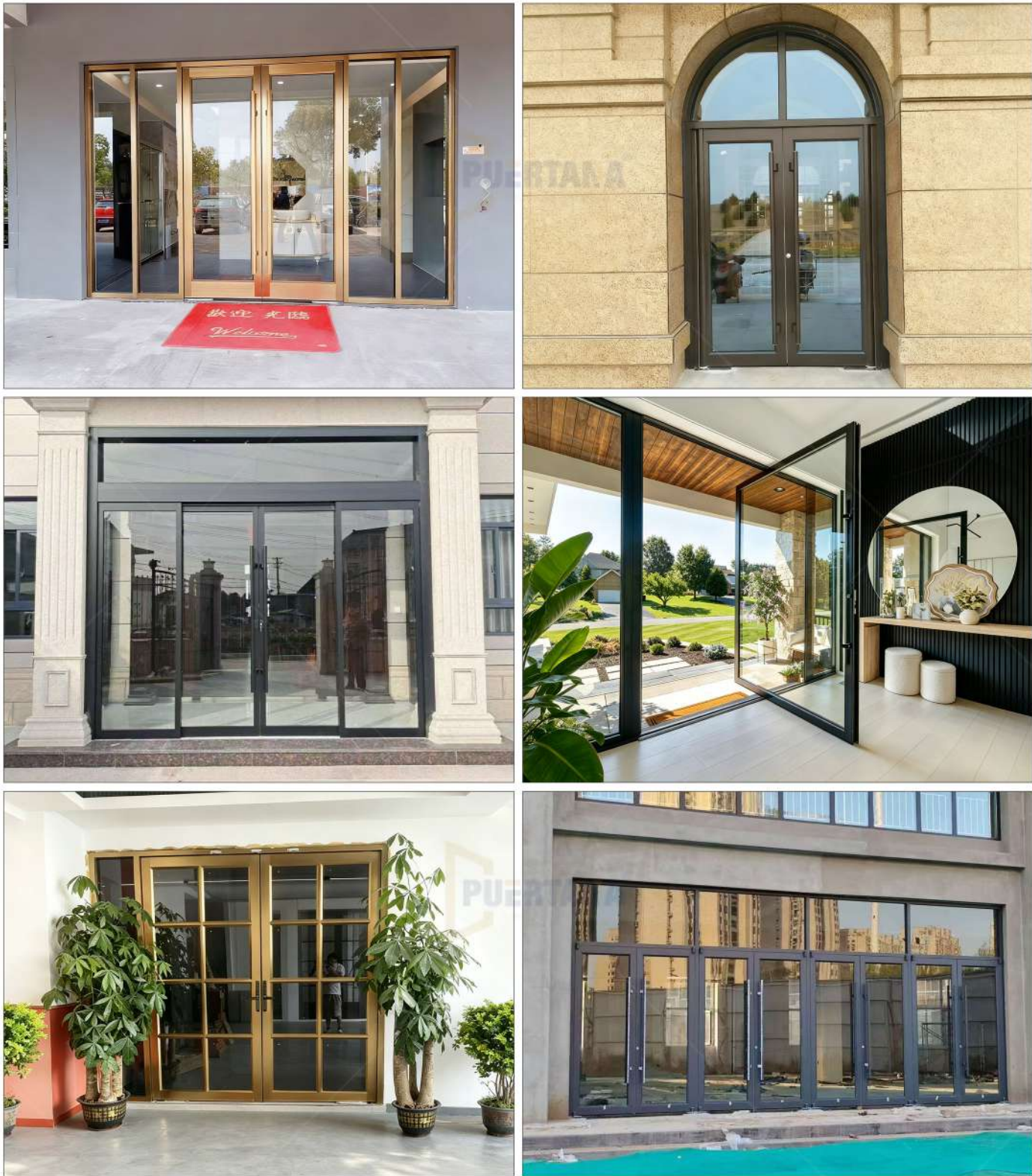
# COMMERCIAL

## GLASS STOREFRONT DOORS



# COMMERCIAL

## GLASS STOREFRONT DOORS





## PUERTANA

### Aluminum pivot door



#### Pivot Doors

Pivot door make for a grand opening. The luxurious swing, combined with an up to 6 feet sash width make your home inviting and builds excitement to explore the home.

#### GENERAL SPECIFICATIONS

- Profile thickness: 2.0mm
- Double glazed glass
- Possibility of dual color
- Color powder coating

#### OPTIONS

- Multiple glazing packages and finish options
- Dual-sealed warm edge spacer
- argon gas infill



## PUERTANA

### Aluminum pivot door

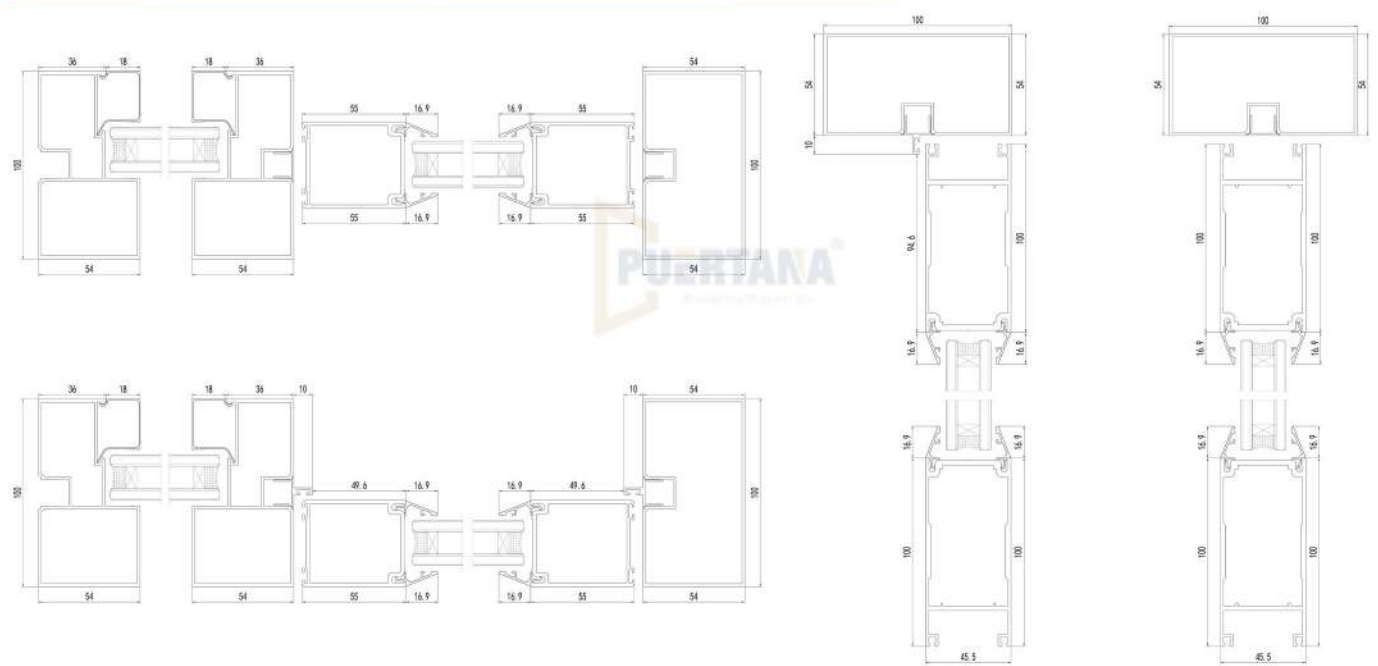


#### STANDARD FEATURES

- Sliding of 1 Sash
- Sections:
  - Frame: 100mm mm - Sash: 50mm
  - Maximum dimensions/sash:
    - Width up to 2000mm
    - Height up to 3,500mm
  - Max weight/sash: 300 kg
  - Multipoint locking hardware
  - Maximum glazing thickness: 28mm

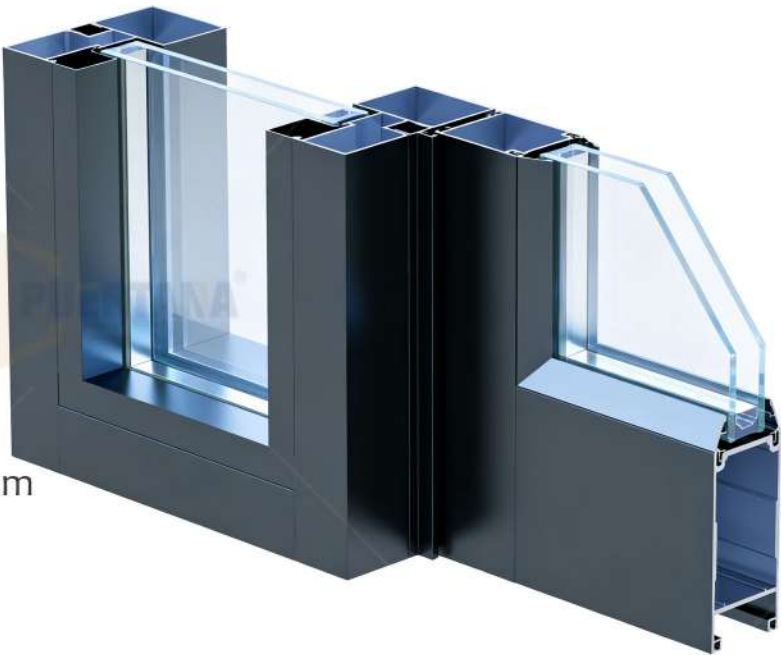






STANDARD FEATURES

- Opening: side hung of 1 or 2 sashes with sidelight.
- Sections:
  - Frame: 100mm mm - Sash: 80mm
  - Maximum dimensions/sash:
    - Width up to 2000mm
    - Height up to 3,500mm
  - Max weight/sash: 300 kg
  - Multipoint locking hardware
  - Maximum glazing thickness: 28mm



GENERAL SPECIFICATIONS

- Profile thickness: 2.0mm
- Single & Double glazed glass
- Color powder coating

OPTIONS

- Multiple glazing packages and finish options
- Dual-sealed warm edge spacer
- argon gas infill



Our aluminum storefront door delivers a professional entrance solution with reliable strength, clean sightlines, and excellent visibility. Engineered for daily commercial use, it features a sturdy aluminum frame, smooth operation, and customizable glass options, making it ideal for retail shops, office buildings, restaurants, and modern commercial spaces.



# PUERTANA

## 100 Series Thermal Break Aluminum Storefront Door



79

Our aluminum storefront door is designed for commercial entrances that require strength, visibility, and modern appeal. Built with a durable aluminum frame and large glass panels, it offers excellent performance, smooth operation, and a clean architectural appearance for retail stores, offices, showrooms, and public buildings.

### GENERAL SPECIFICATIONS

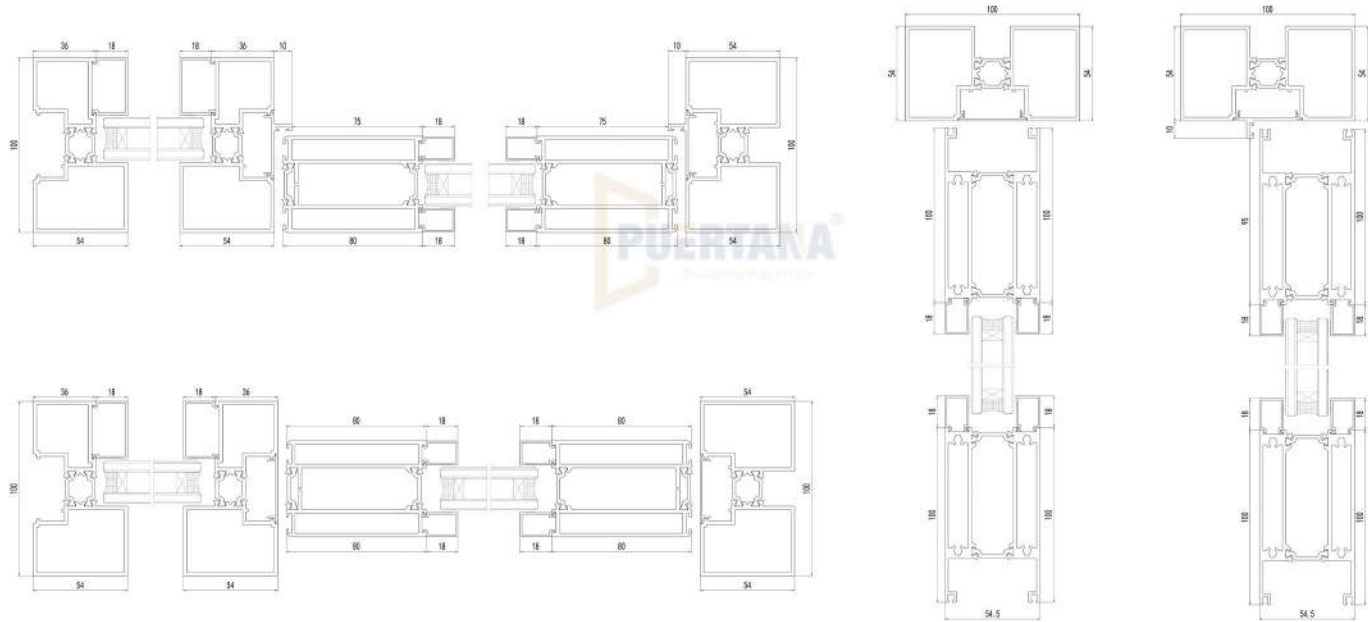
- Profile thickness: 2.0mm
- Double glazed glass
- Possibility of dual color
- Color powder coating

### OPTIONS

- Multiple glazing packages and finish options
- Dual-sealed warm edge spacer
- argon gas infill

# PUERTANA

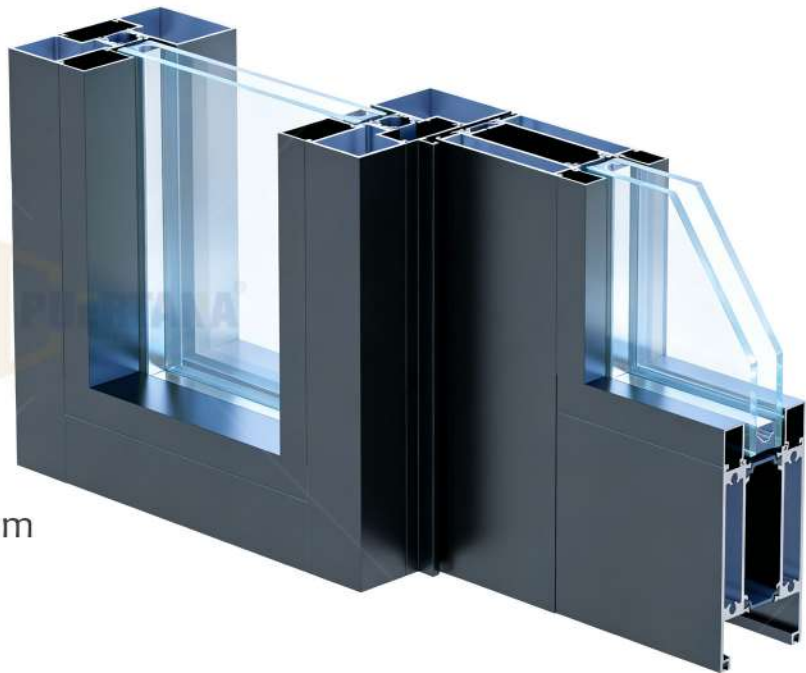
## 100 Series Thermal Break Aluminum Storefront Door



80

### STANDARD FEATURES

- Opening: side hung of 1 or 2 sashes with sidelight.
- Sections:
  - Frame: 100mm mm - Sash: 80mm
  - Maximum dimensions/sash:
    - Width up to 2000mm
    - Height up to 3,500mm
  - Max weight/sash: 300 kg
  - Multipoint locking hardware
  - Maximum glazing thickness: 28mm







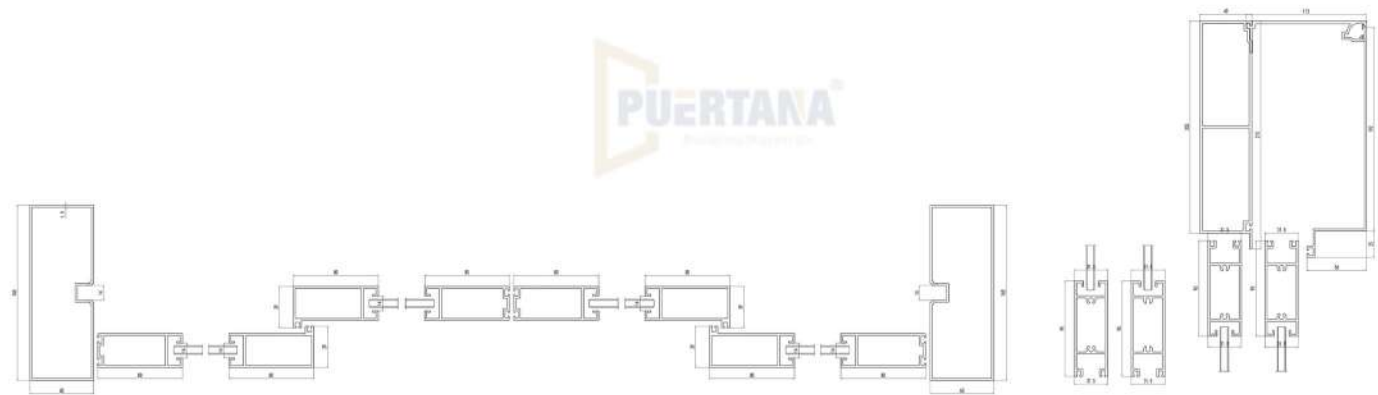
Our commercial sliding doors are engineered specifically for high-traffic business environments, blending industrial-grade durability, modern minimalist aesthetics, and superior functional performance. Designed to meet the rigorous daily use of commercial scenarios, these sliding doors deliver smooth operation, reliable safety, outstanding energy efficiency, and flexible customization. Ideal for retail storefronts, office buildings, shopping malls, hotels, exhibition halls,

GENERAL SPECIFICATIONS

- Profile thickness: 2.0mm
- Double & single glazed glass
- Color powder coating

OPTIONS

- Multiple glazing packages and finish options
- Dual-sealed warm edge spacer
- argon gas infill
- Opening mode: Manual sliding / automatic sensor sliding (optional)



STANDARD FEATURES

- Opening: bi-parting sliding, single sliding, and telescopic sliding
- Sections:
  - Frame: 165mm mm - Sash: 80mm
- Maximum dimensions/sash:
  - Width up to 2000mm
  - Height up to 3,500mm
- Max weight/sash: 300 kg
- Multipoint locking hardware
- Maximum glazing thickness: 28mm





## PUERTANA

### Automatic Panic Break-Out Sliding Door

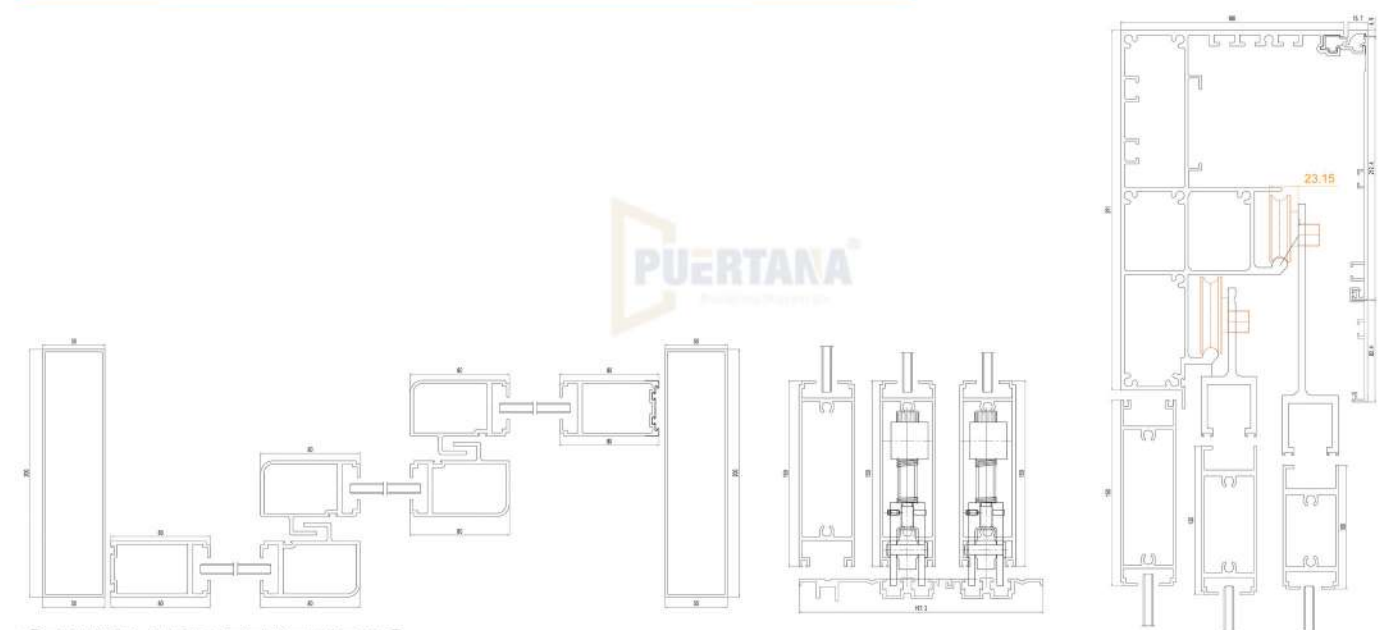


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Our Automatic Panic Break-Out Sliding Door is commercial emergency door integrated with automatic induction operation and manual panic breakout function. Specially designed for public and commercial buildings with strict fire safety regulations, this dual-mode sliding door combines daily intelligent access control and emergency rapid evacuation functions. Under normal working conditions, it operates as a smooth automatic commercial sliding door for pedestrian passage; in emergencies such as fire alarms, power failures, or crowd congestion, the door can be easily pushed open manually for full breakout access. It perfectly meets international fire safety codes, delivering reliable safety, high traffic efficiency, and long-term durability for high-foot-traffic commercial and public spaces.

## PUERTANA

### Automatic Panic Break-Out Sliding Door



#### STANDARD FEATURES

- Opening: bi-parting sliding, single sliding, and telescopic sliding
- Sections:
  - Frame: 200mm mm - Sash: 80mm
  - Maximum dimensions/sash:
    - Width up to 2000mm
    - Height up to 3,500mm
  - Max weight/sash: 300 kg
  - Multipoint locking hardware
  - Maximum glazing thickness: 28mm

#### OPTIONS

- Multiple glazing packages and finish options
- Dual-sealed warm edge spacer
- argon gas infill



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# ALUMINUM CLAD WOOD

WINDOWS & DOORS



# ALUMINUM CLAD WOOD

WINDOWS & DOORS



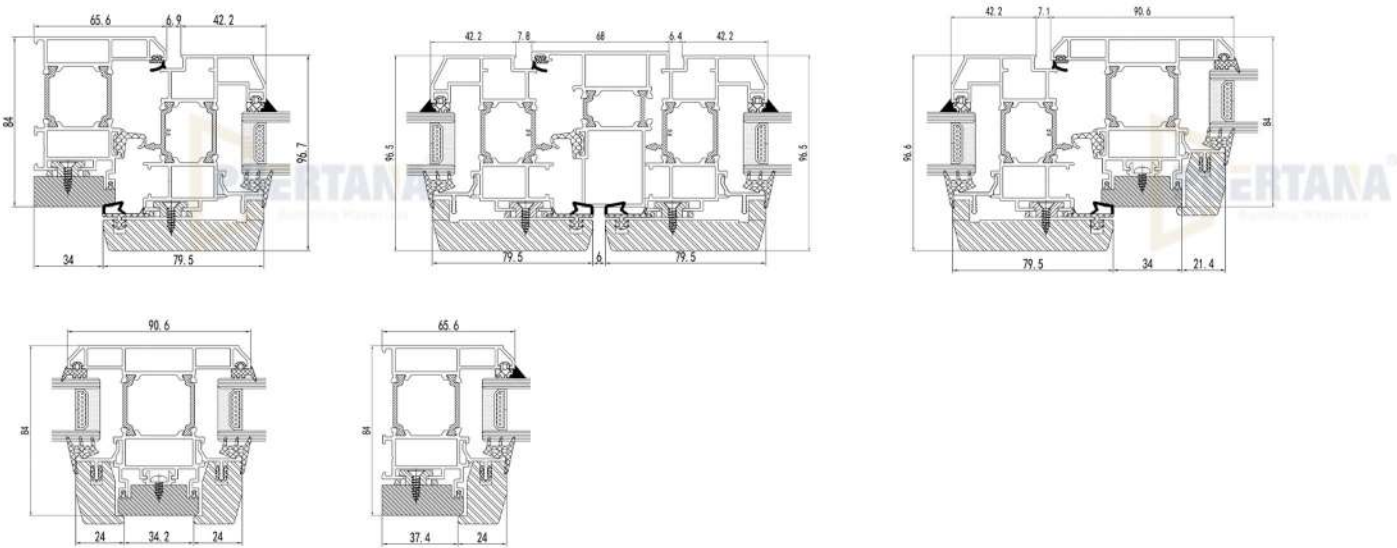


85 series

Thermal break aluminum wood casement window

85 series

Thermal break aluminum wood casement window



PERFORMANCE

| DESCRIPTION                | VALUE     | DESCRIPTION            | VALUE     |
|----------------------------|-----------|------------------------|-----------|
| SHGC                       | 0.14-0.97 | U-Value (BTU/h·ft²·°F) | 0.24-0.6  |
| Air Infiltration (cfm/ft²) | 0.01      | STC (dB)               | 45        |
| Water resistance (psf)     | 12.11     | VT                     | 0.13-0.85 |

\*Values may vary depending on glazing packages utilized

GENERAL SPECIFICATIONS

- Profile thickness: 1.6mm
- Double glazed glass
- Radius tops and arches available
- Possibility of dual color
- Color powder coating

OPTIONS

- Multiple glazing packages and finish options
- Mosquito screens available
- Dual-sealed warm edge spacer
- Argon gas infill
- Optional solid wood material

85

STANDARD FEATURES

- Opening: tilt and turn, side hung of 1 or 2 sashes
- Sections:
  - Frame: 85mm
  - Sash: 97mm
- Maximum dimensions/sash:
  - Width up to 1,500mm
  - Height up to 3,500mm
- Max weight/sash: 300 kg
- Multipoint locking hardware
- Maximum glazing thickness: 41mm

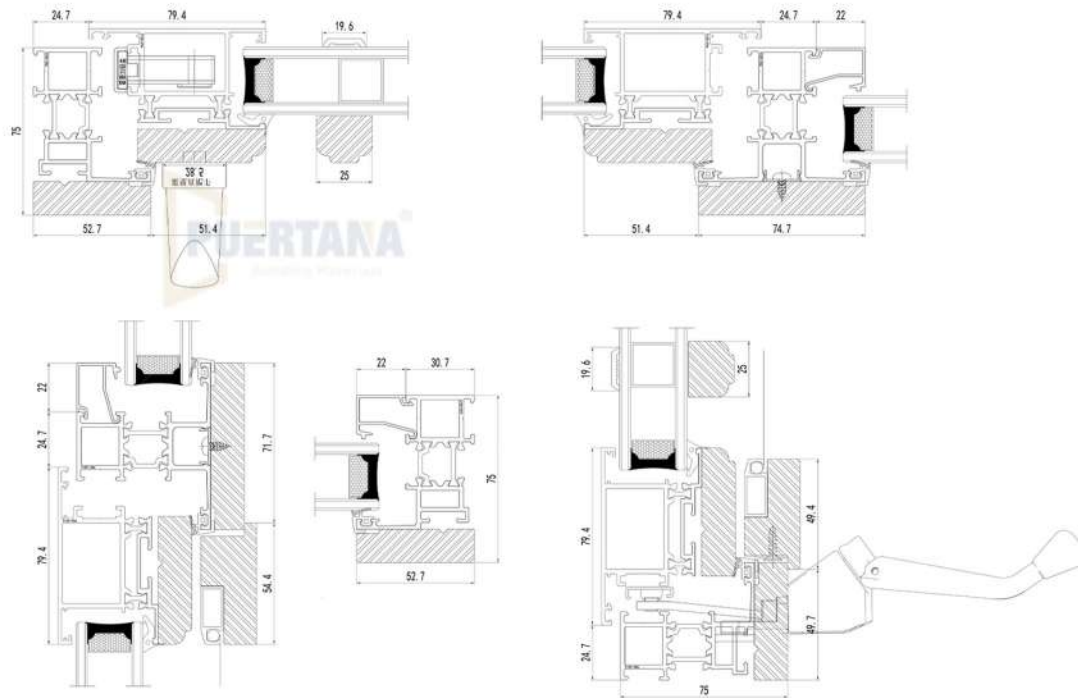


86



## 75 series

## Thermal break aluminum wood casement window



## STANDARD FEATURES

- Opening: side hung, top hung of 1 or 2 sashes
- Sections:
  - Frame: 75mm
  - Sash: 75mm
- Maximum dimensions/sash:
  - Width up to 1,500mm
  - Height up to 3,500mm
- Max weight/sash: 300 kg
- Multipoint locking hardware
- Maximum glazing thickness: 41mm



## 75 series

Thermal break aluminum wood casement window



## PERFORMANCE

| DESCRIPTION                | VALUE     | DESCRIPTION            | VALUE     |
|----------------------------|-----------|------------------------|-----------|
| SHGC                       | 0.14-0.97 | U-Value (BTU/h·ft²·°F) | 0.24-0.6  |
| Air Infiltration (cfm/ft²) | 0.01      | STC (dB)               | 45        |
| Water resistance (psf)     | 12.11     | VT                     | 0.13-0.85 |

\*Values may vary depending on glazing packages utilized

## GENERAL SPECIFICATIONS

- Profile thickness: 1.6mm
- Double glazed glass
- Radius tops and arches available
- Possibility of dual color
- Color powder coating

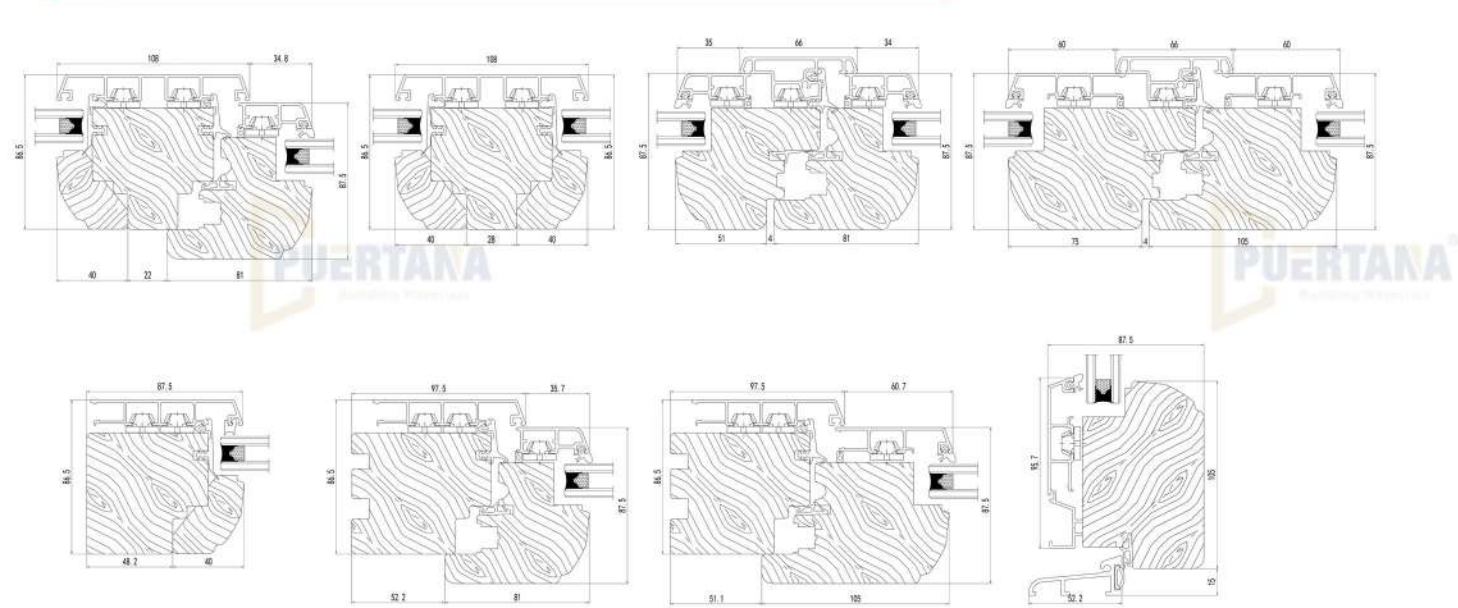
## OPTIONS

- Multiple glazing packages and finish options
- Mosquito screens available
- Dual-sealed warm edge spacer
- Argon gas infill
- Optional solid wood material



88 series

Aluminum wood casement window & door



STANDARD FEATURES

- Opening: tilt and turn, side hung of 1 or 2 sashes
- Sections:
  - Frame: 86mm
  - Sash: 88mm
- Maximum dimensions/sash:
  - Width up to 1,500mm
  - Height up to 3,500mm
- Max weight/sash: 300 kg
- Multipoint locking hardware
- Maximum glazing thickness: 26mm



88 series

Aluminum wood casement window & door



PERFORMANCE

| DESCRIPTION                | VALUE     | DESCRIPTION            | VALUE     |
|----------------------------|-----------|------------------------|-----------|
| SHGC                       | 0.14-0.97 | U-Value (BTU/h·ft²·°F) | 0.24-0.6  |
| Air Infiltration (cfm/ft²) | 0.01      | STC (dB)               | 48        |
| Water resistance (psf)     | 12.11     | VT                     | 0.13-0.85 |

\*Values may vary depending on glazing packages utilized

GENERAL SPECIFICATIONS

- Double glazed glass
- Radius tops and arches available
- Optional color painted

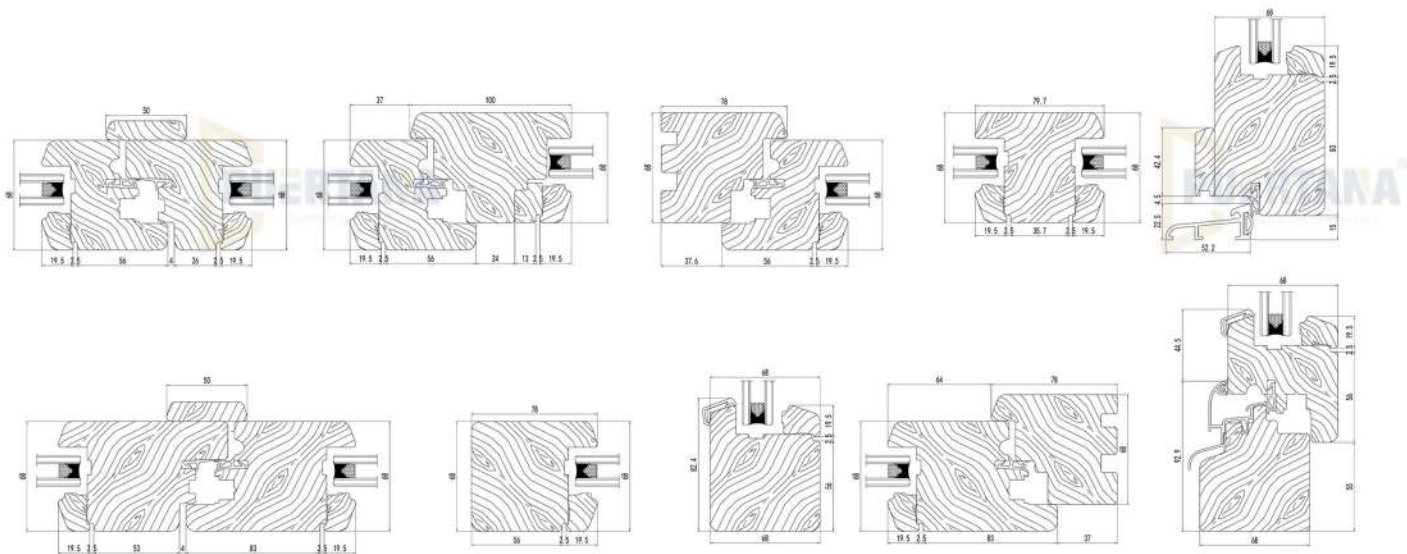
OPTIONS

- Multiple glazing packages and finish options
- Mosquito screens available
- Dual-sealed warm edge spacer
- Argon gas infill
- Optional solid wood material



68 series

Solid wood timber casement window & door



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STANDARD FEATURES

- Opening: tilt and turn, side hung of 1 or 2 sashes
- Sections:
  - Frame: 68mm
  - Sash: 68mm
- Maximum dimensions/sash:
  - Width up to 1,500mm
  - Height up to 3,500mm
- Max weight/sash: 300 kg
- Multipoint locking hardware
- Maximum glazing thickness: 26mm



68 series

Solid wood timber casement window & door



PERFORMANCE

| DESCRIPTION                | VALUE     | DESCRIPTION            | VALUE     |
|----------------------------|-----------|------------------------|-----------|
| SHGC                       | 0.14-0.97 | U-Value (BTU/h·ft²·°F) | 0.24-0.6  |
| Air Infiltration (cfm/ft²) | 0.01      | STC (dB)               | 45        |
| Water resistance (psf)     | 12.11     | VT                     | 0.13-0.85 |

\*Values may vary depending on glazing packages utilized

GENERAL SPECIFICATIONS

- Double glazed glass
- Radius tops and arches available
- Optional color painted

OPTIONS

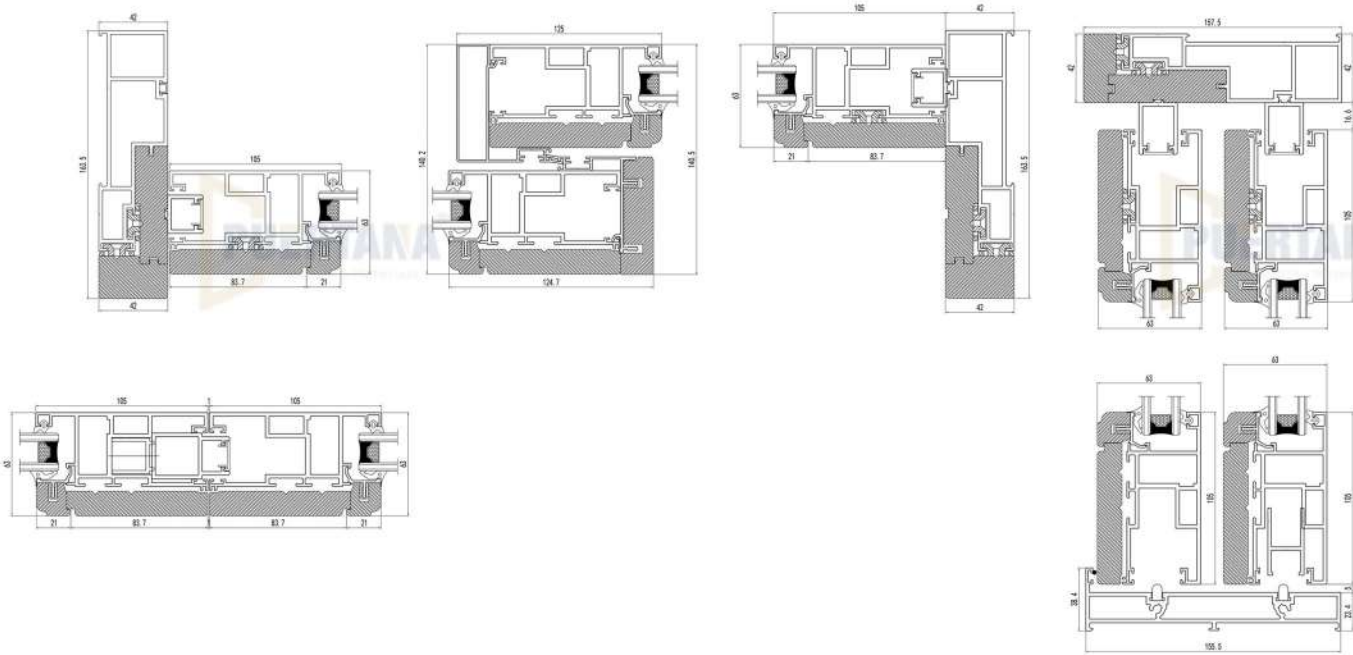
- Multiple glazing packages and finish options
- Mosquito screens available
- Dual-sealed warm edge spacer
- Argon gas infill
- Optional solid wood material

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158 /228 series

Thermal break aluminum wood sliding door



93

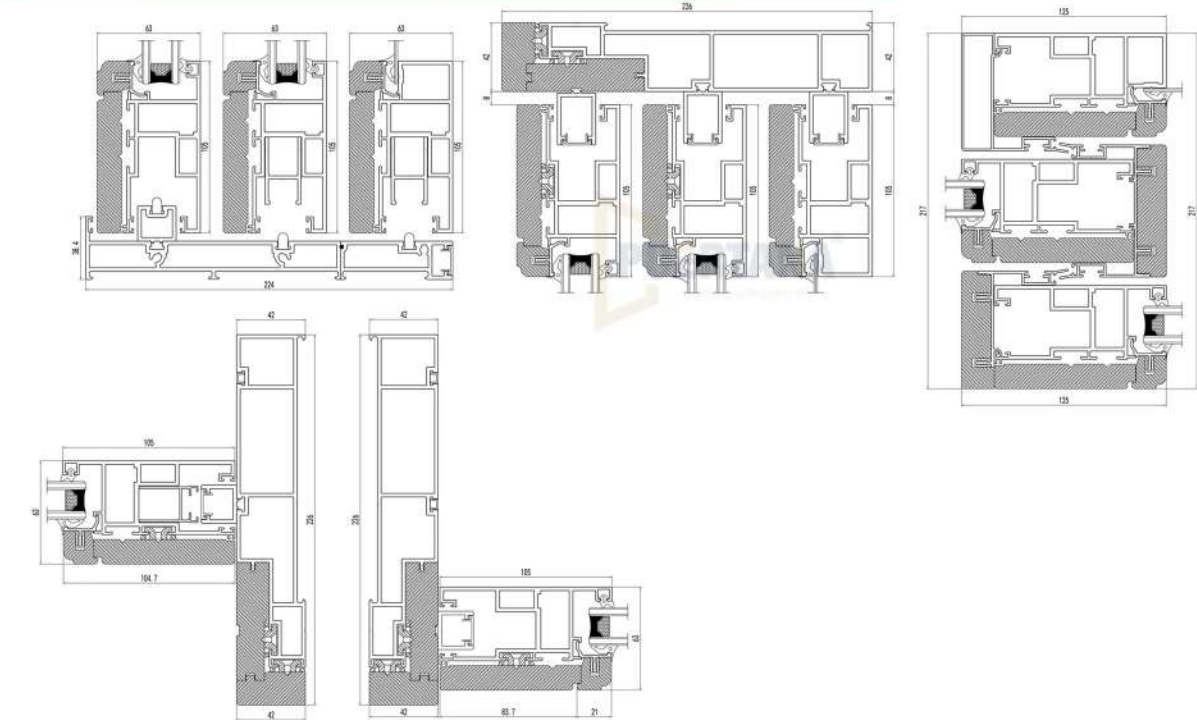
STANDARD FEATURES

- Sliding of 2, 3, 4 & 6 Sashes
- Sections:
  - Frame: 163mm / 226mm
  - Sash: 63mm
- Maximum dimensions/sash:
  - Width up to 3,000mm
  - Height up to 3,500mm
- Max weight/sash: 300 kg
- Multipoint locking hardware
- Maximum glazing thickness: 30mm



158 /228 series

Thermal break aluminum wood sliding door



94

PERFORMANCE

| DESCRIPTION                | VALUE     | DESCRIPTION            | VALUE     |
|----------------------------|-----------|------------------------|-----------|
| SHGC                       | 0.14-0.97 | U-Value (BTU/h·ft²·°F) | 0.24-0.6  |
| Air Infiltration (cfm/ft²) | 0.01      | STC (dB)               | 41        |
| Water resistance (psf)     | 12.11     | VT                     | 0.13-0.85 |

\*Values may vary depending on glazing packages utilized

OPTIONS

- Multiple glazing packages and finish options
- Dual-sealed warm edge spacer
- Argon gas infill
- Optional solid wood material

GENERAL SPECIFICATIONS

- Profile thickness: 2.3mm
- Double glazed glass
- Color powder coating
- Stainless steel wire mesh
- Possibility of 3 Rails



120 series

Aluminum Wood Single & Double Hung Window



95

Combine the timeless warmth of natural wood with the low-maintenance durability of aluminum in our Aluminum-Clad Wood Double Hung Window. Engineered for both classic and contemporary homes, this window features a solid wood interior frame that delivers superior insulation and a rich, traditional aesthetic, while the extruded aluminum exterior cladding provides exceptional weather resistance, color retention, and protection against moisture, warping, and UV damage.



120 series

Aluminum Wood Single & Double Hung Window

PERFORMANCE

| DESCRIPTION                | VALUE     | DESCRIPTION            | VALUE     |
|----------------------------|-----------|------------------------|-----------|
| SHGC                       | 0.14-0.97 | U-Value (BTU/h·ft²·°F) | 0.24-0.6  |
| Air Infiltration (cfm/ft²) | 0.01      | STC (dB)               | 41        |
| Water resistance (psf)     | 12.11     | VT                     | 0.13-0.85 |

\*Values may vary depending on glazing packages utilized

OPTIONS

- Multiple glazing packages and finish options
- Dual-sealed warm edge spacer
- Argon gas infill
- Optional solid wood material

GENERAL SPECIFICATIONS

- Profile thickness: 2.3mm
- Double glazed glass
- Color powder coating
- Stainless steel wire mesh

STANDARD FEATURES

- Sliding of 2 Sashes
- Sections:
  - Frame: 120mm
  - Sash: 50mm
- Maximum dimensions/sash:
  - Width up to 800mm
  - Height up to 1,200mm
- Max weight/sash: 35 kg
- Maximum glazing thickness: 25mm



96



150 /200 series

Aluminum wood sliding door



Elevate your space with our aluminum wood sliding door, combining warm natural wood interiors with durable aluminum exteriors. Smooth-glide panels, slim profiles, and excellent weather resistance deliver modern style, lasting performance, and seamless indoor-outdoor living.

150 /200 series

Aluminum wood sliding door

PERFORMANCE

| DESCRIPTION                | VALUE     | DESCRIPTION            | VALUE     |
|----------------------------|-----------|------------------------|-----------|
| SHGC                       | 0.14-0.97 | U-Value (BTU/h·ft²·°F) | 0.24-0.6  |
| Air Infiltration (cfm/ft²) | 0.01      | STC (dB)               | 41        |
| Water resistance (psf)     | 12.11     | VT                     | 0.13-0.85 |

\*Values may vary depending on glazing packages utilized

OPTIONS

- Multiple glazing packages and finish options
- Dual-sealed warm edge spacer
- Argon gas infill
- Optional solid wood material

STANDARD FEATURES

- Sliding of 2, 3, 4 & 6 Sashes
- Sections:
  - Frame: 163mm / 226mm
  - Sash: 80mm
- Maximum dimensions/sash:
  - Width up to 3,000mm
  - Height up to 3,500mm
- Max weight/sash: 300 kg
- Multipoint locking hardware
- Maximum glazing thickness: 30mm

GENERAL SPECIFICATIONS

- Profile thickness: 2.5mm
- Double glazed glass
- Color powder coating
- Stainless steel wire mesh
- Possibility of 3 Rails





# PUERTANA

100-200\*65 Exposed Frame Thermal Break Aluminum Curtain walls



99

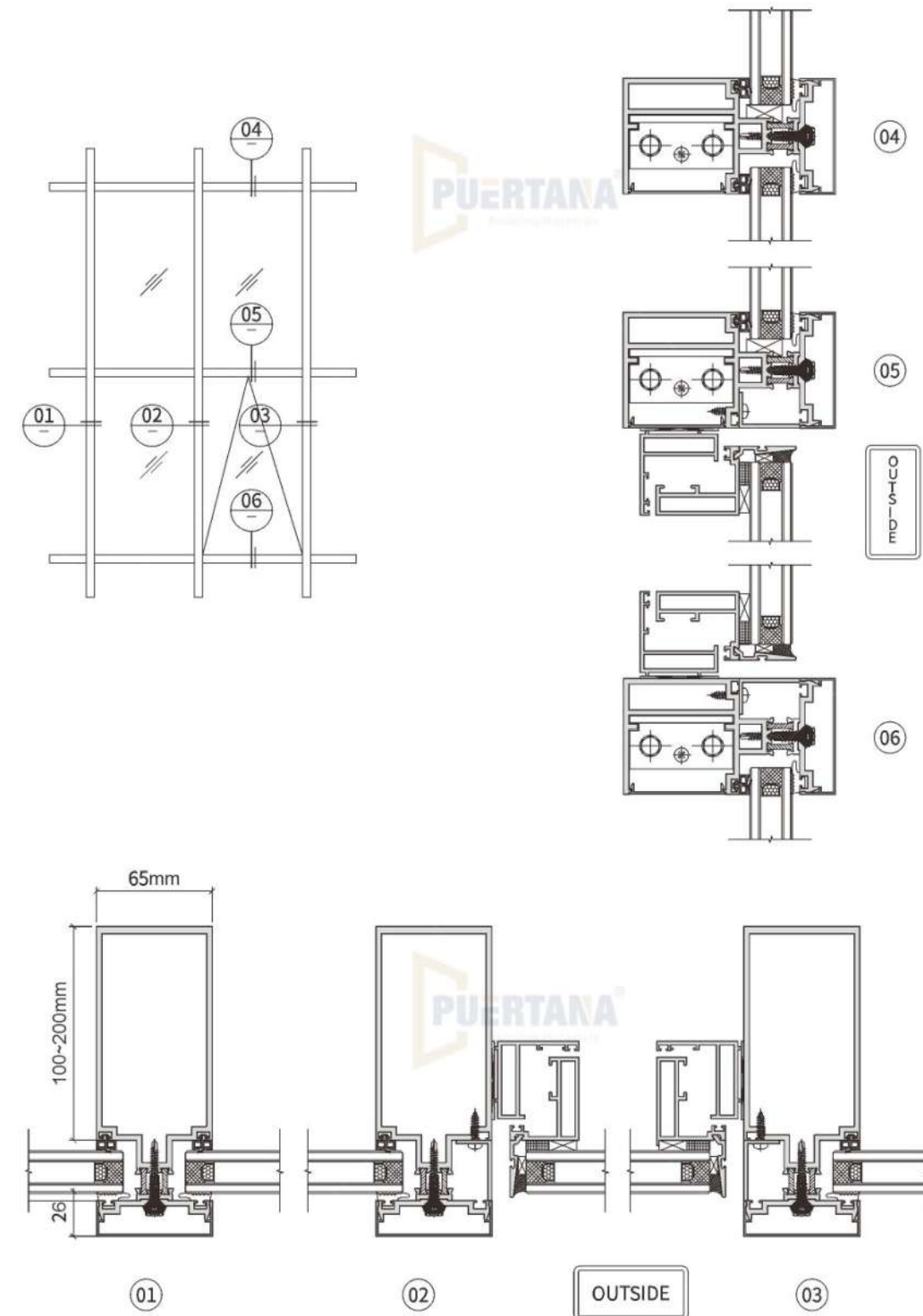
## STANDARD FEATURES

- Sections:
- Frame: 100mm / 200mm
- Sash: 50mm
- Maximum dimensions/sash:
- Width up to 1,500mm
- Height up to 3,500mm
- Max weight/sash: 250 kg
- Multipoint locking hardware
- Maximum glazing thickness: 30mm



# PUERTANA

100-200\*65 Exposed Frame Thermal Break Aluminum Curtain walls



100



# PUERTANA

80-200\*65 Exposed Frame Aluminum facades & Curtain walls



101

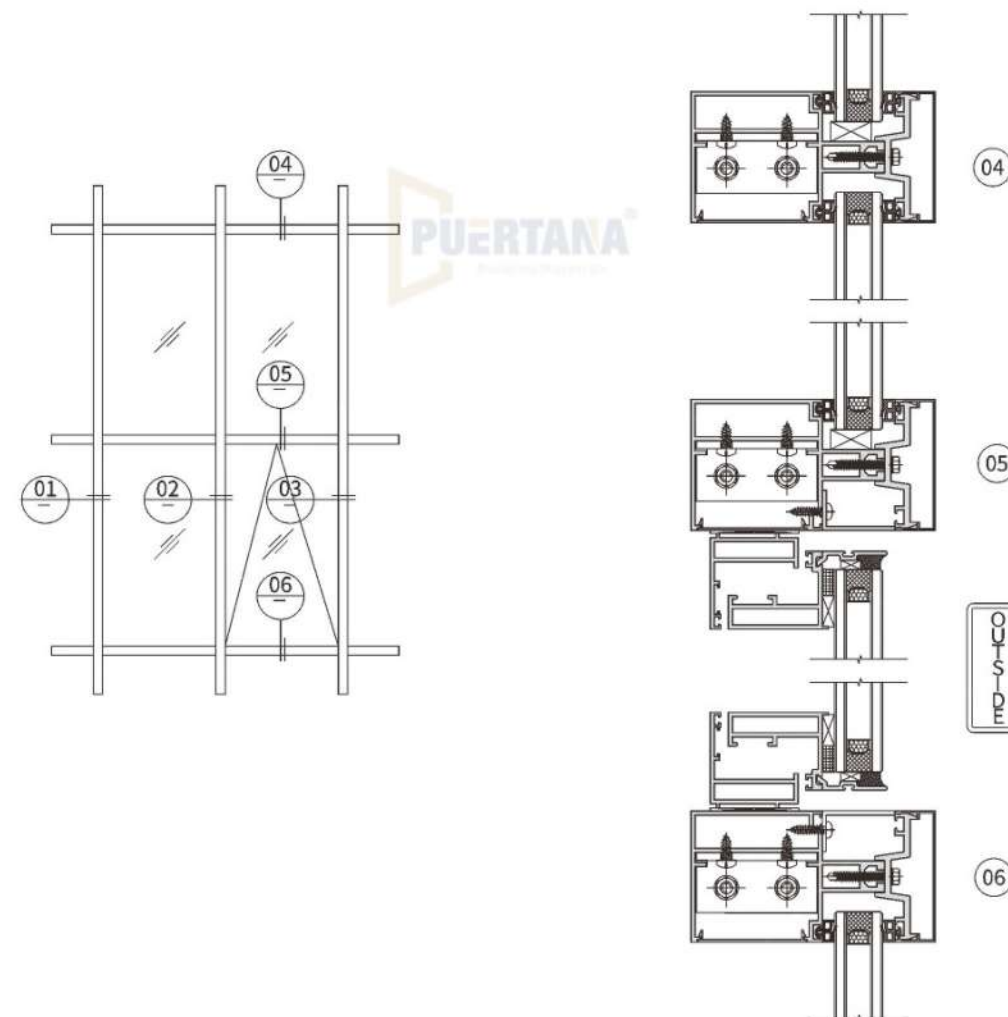


## STANDARD FEATURES

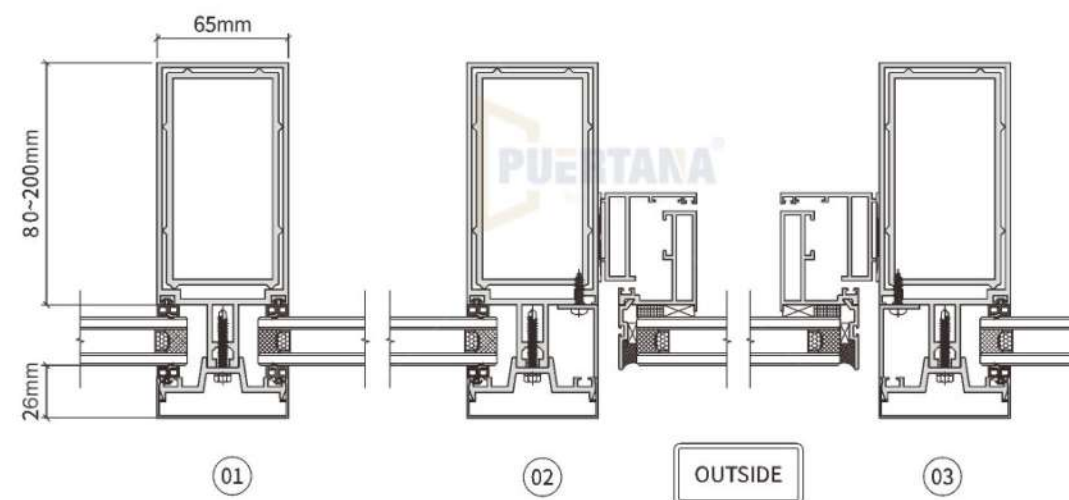
- Sections:
- Frame: 80mm / 200mm
- Sash: 50mm
- Maximum dimensions/sash:
- Width up to 1,500mm
- Height up to 3,500mm
- Max weight/sash: 250 kg
- Multipoint locking hardware
- Maximum glazing thickness: 30mm

# PUERTANA

80-200\*65 Exposed Frame Aluminum facades & Curtain walls



102





## PUERTANA

65-200\*65 Concealed Frame Aluminum facades & Curtain walls



103

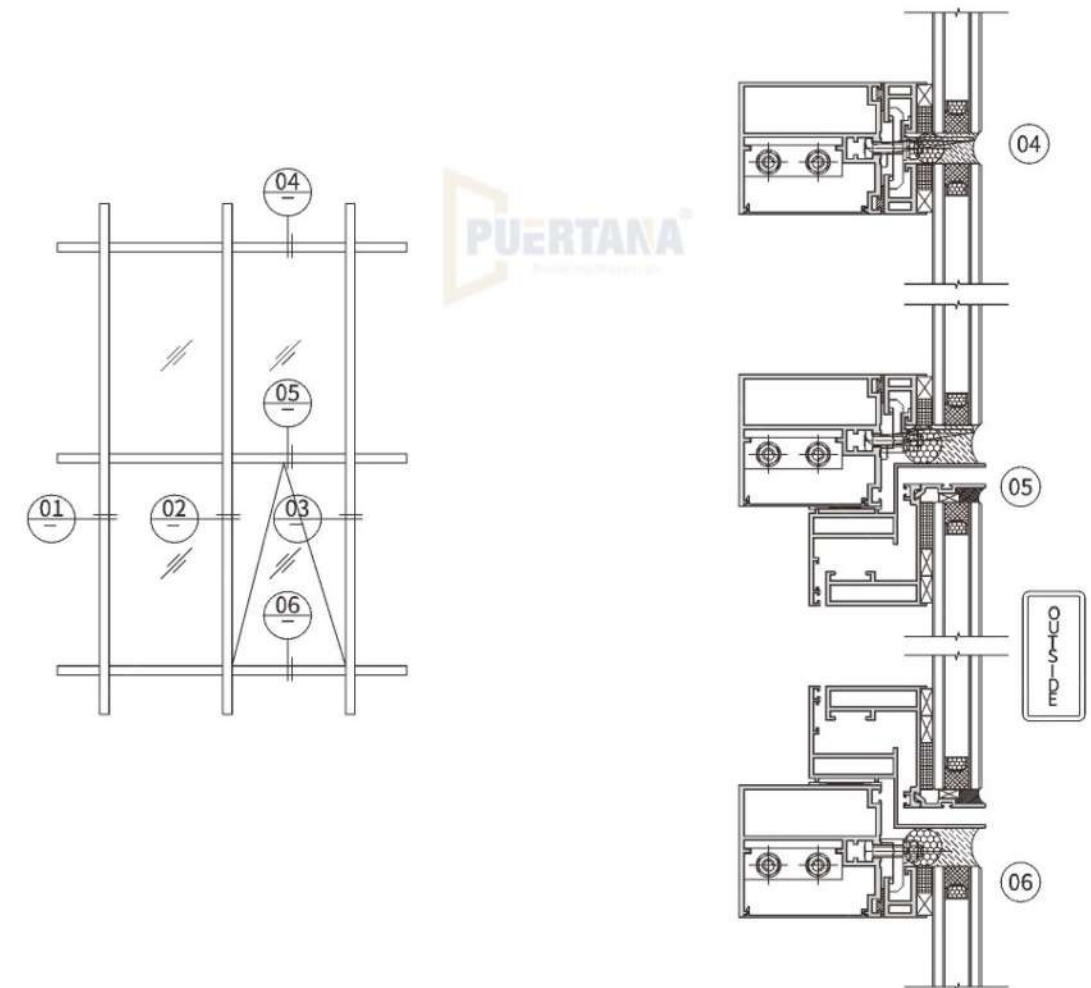


### STANDARD FEATURES

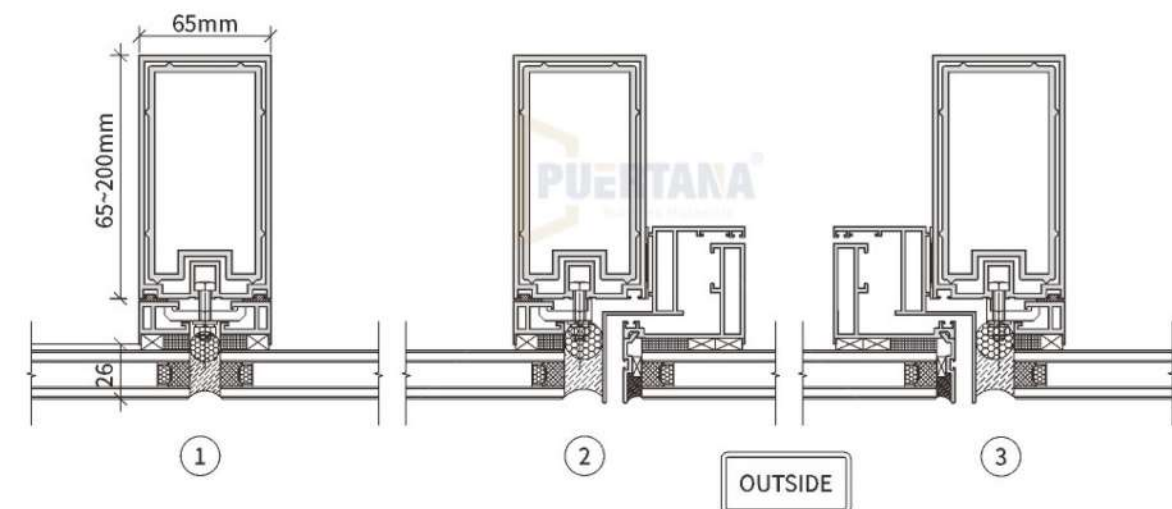
- Sections:
- Frame: 65mm / 200mm
- Sash: 50mm
- Maximum dimensions/sash:
- Width up to 1,500mm
- Height up to 3,500mm
- Max weight/sash: 250 kg
- Multipoint locking hardware
- Maximum glazing thickness: 30mm

## PUERTANA

65-200\*65 Concealed Frame Aluminum facades & Curtain walls



104





## PUERTANA

80-200\*65 Semi-Concealed Frame Aluminum facades & Curtain walls



105

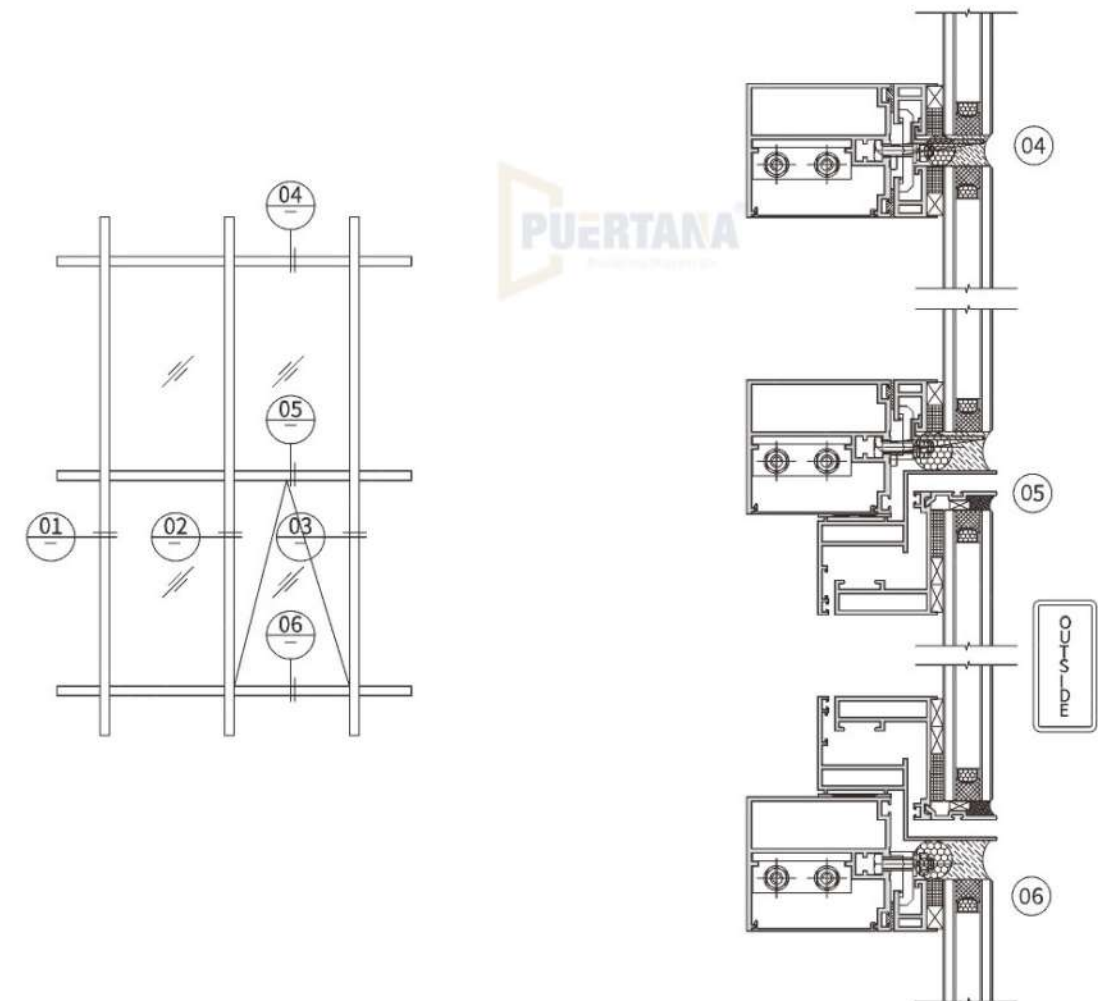


### STANDARD FEATURES

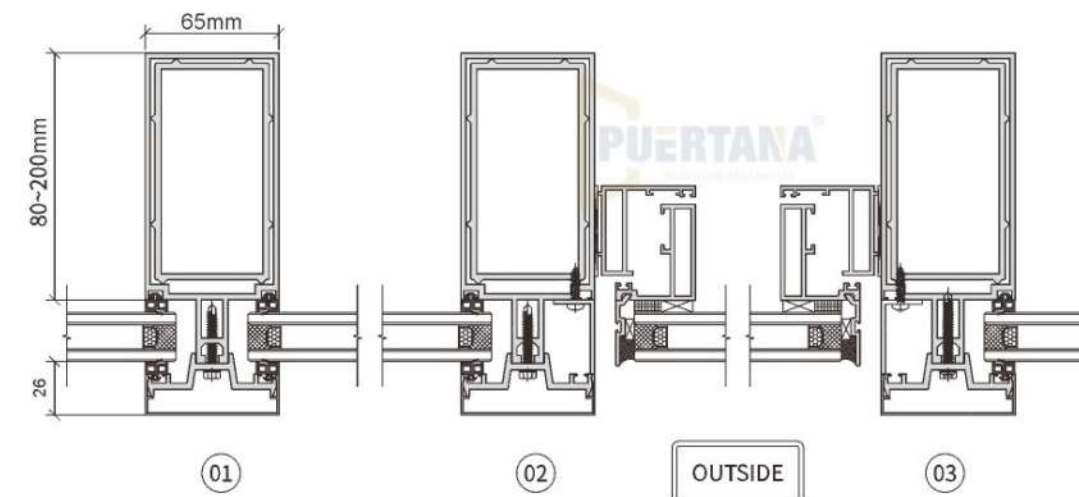
- Sections:
- Frame: 80mm / 200mm
- Sash: 50mm
- Maximum dimensions/sash:
- Width up to 1,500mm
- Height up to 3,500mm
- Max weight/sash: 250 kg
- Multipoint locking hardware
- Maximum glazing thickness: 30mm

## PUERTANA

80-200\*65 Semi-Concealed Frame Aluminum facades & Curtain walls



106





# PUERTANA

120\*35 Concealed Frame Aluminum facades & Curtain walls



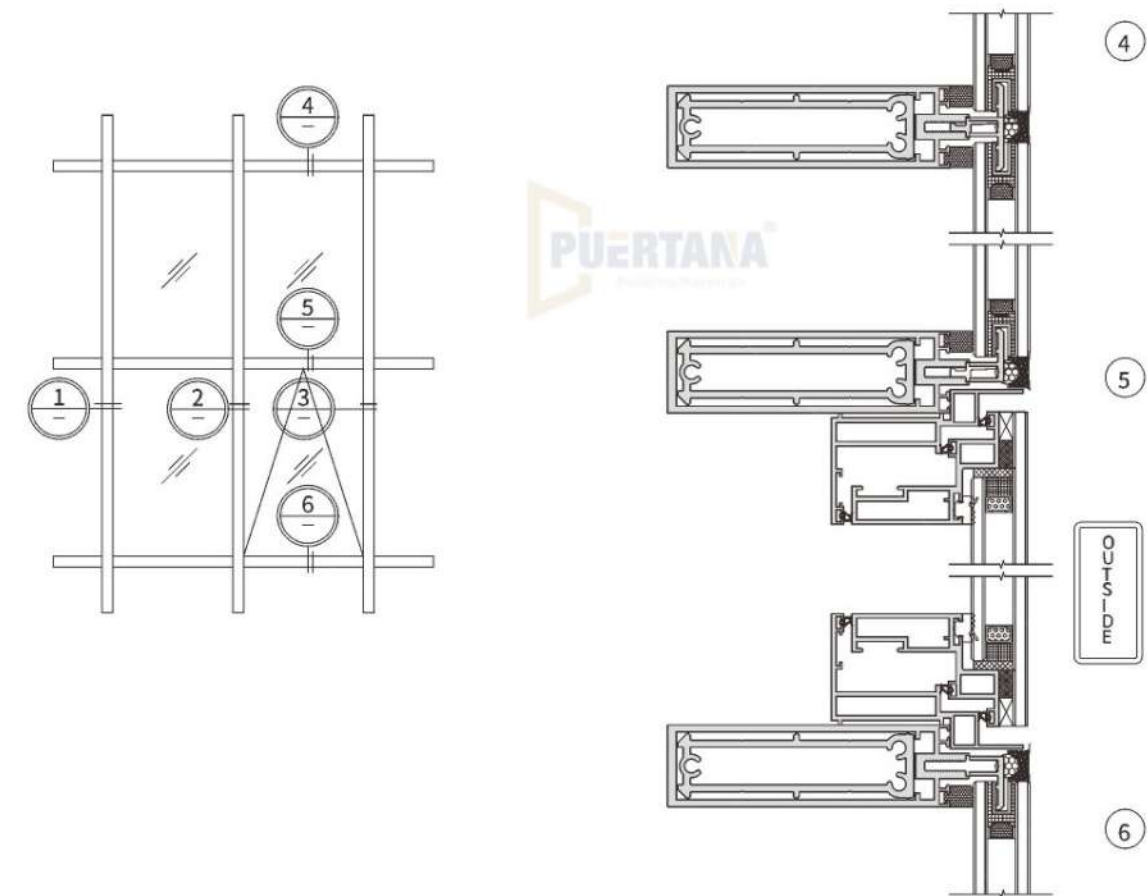
107

## STANDARD FEATURES

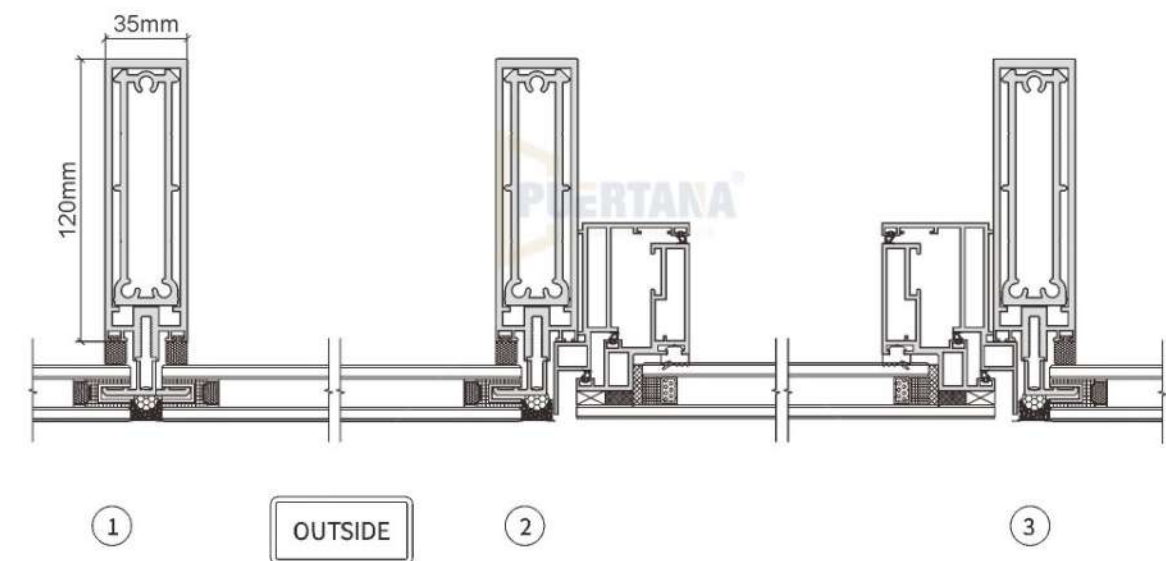
- Sections:
- Frame: 120mm
- Sash: 50mm
- Maximum dimensions/sash:
- Width up to 1,500mm
- Height up to 3,500mm
- Max weight/sash: 250 kg
- Multipoint locking hardware
- Maximum glazing thickness: 30mm

# PUERTANA

120\*35 Concealed Frame Aluminum facades & Curtain walls



108





# PUERTANA

120\*35 Exposed Frame Thermal Break Aluminum Curtain walls



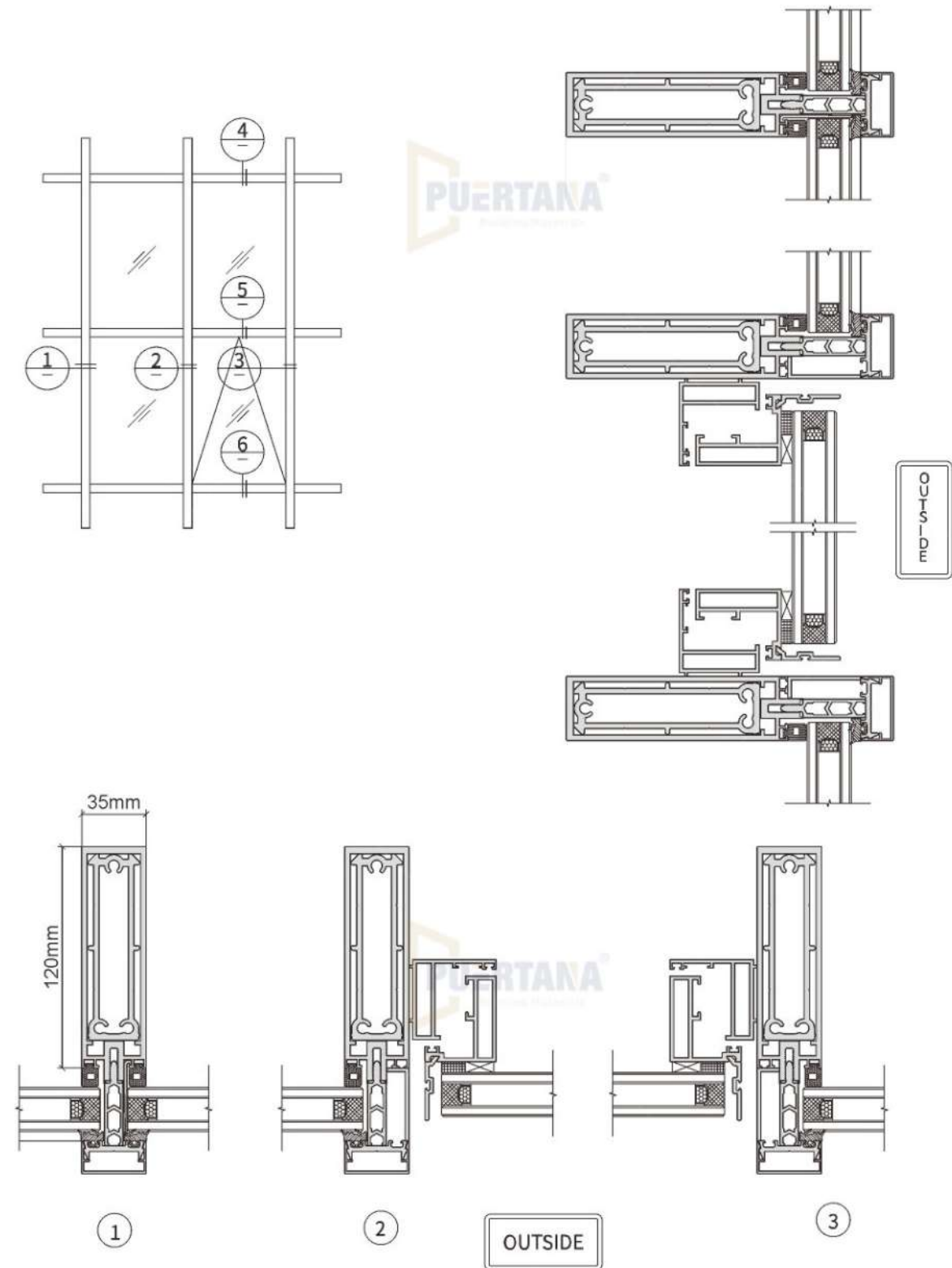
109

## STANDARD FEATURES

- Sections:
- Frame: 120mm
- Sash: 50mm
- Maximum dimensions/sash:
- Width up to 1,500mm
- Height up to 3,500mm
- Max weight/sash: 250 kg
- Multipoint locking hardware
- Maximum glazing thickness: 30mm

# PUERTANA

120\*35 Exposed Frame Thermal Break Aluminum Curtain walls



110



# PUERTANA

150\*50 Exposed Frame Thermal Break Aluminum Curtain walls



111

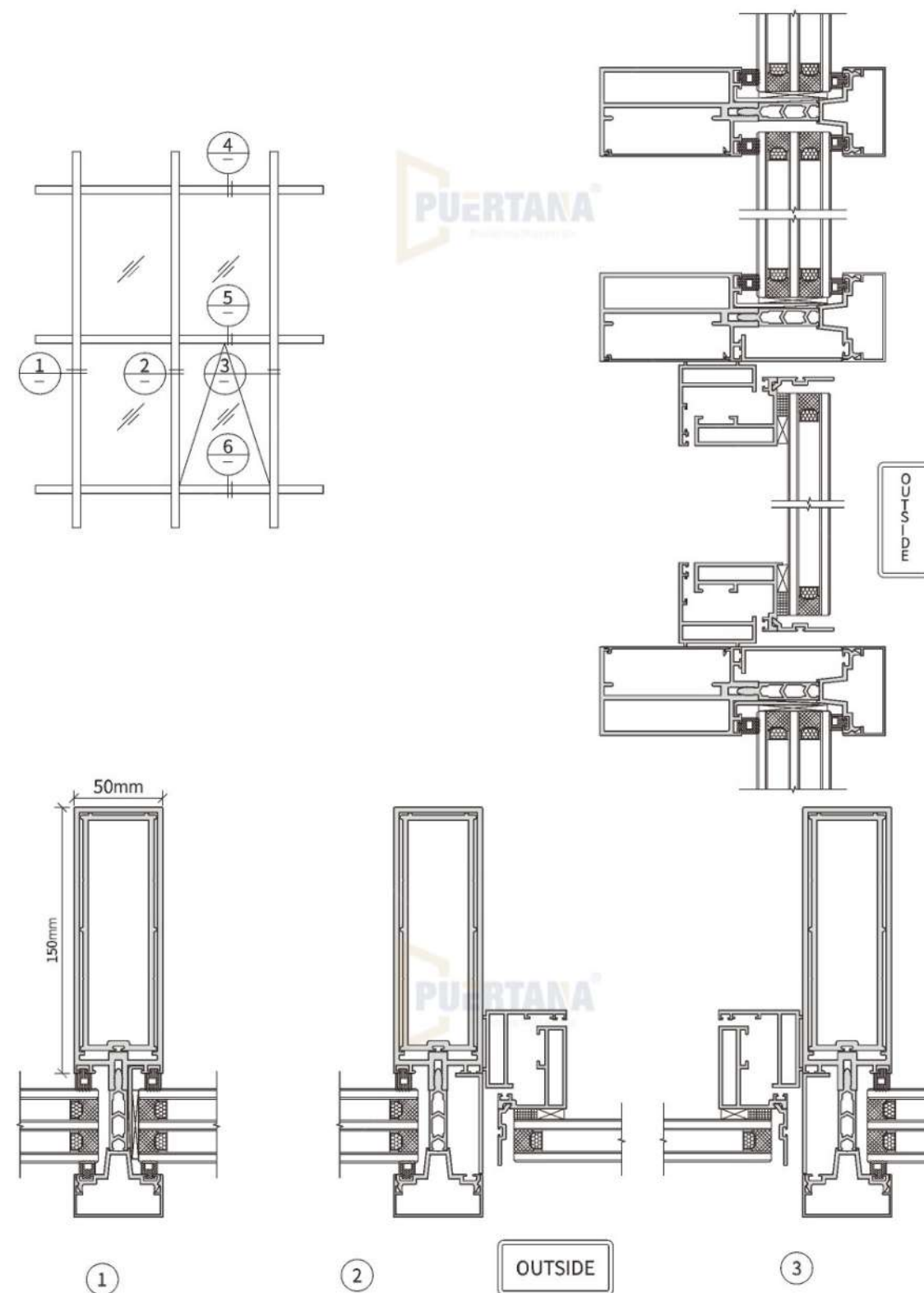


## STANDARD FEATURES

- Sections:
- Frame: 150mm
- Sash: 50mm
- Maximum dimensions/sash:
- Width up to 1,500mm
- Height up to 3,500mm
- Max weight/sash: 250 kg
- Multipoint locking hardware
- Maximum glazing thickness: 30mm

# PUERTANA

150\*50 Exposed Frame Thermal Break Aluminum Curtain walls



112



# PUERTANA

140\*65 Exposed Frame Steel facades & Curtain walls



113

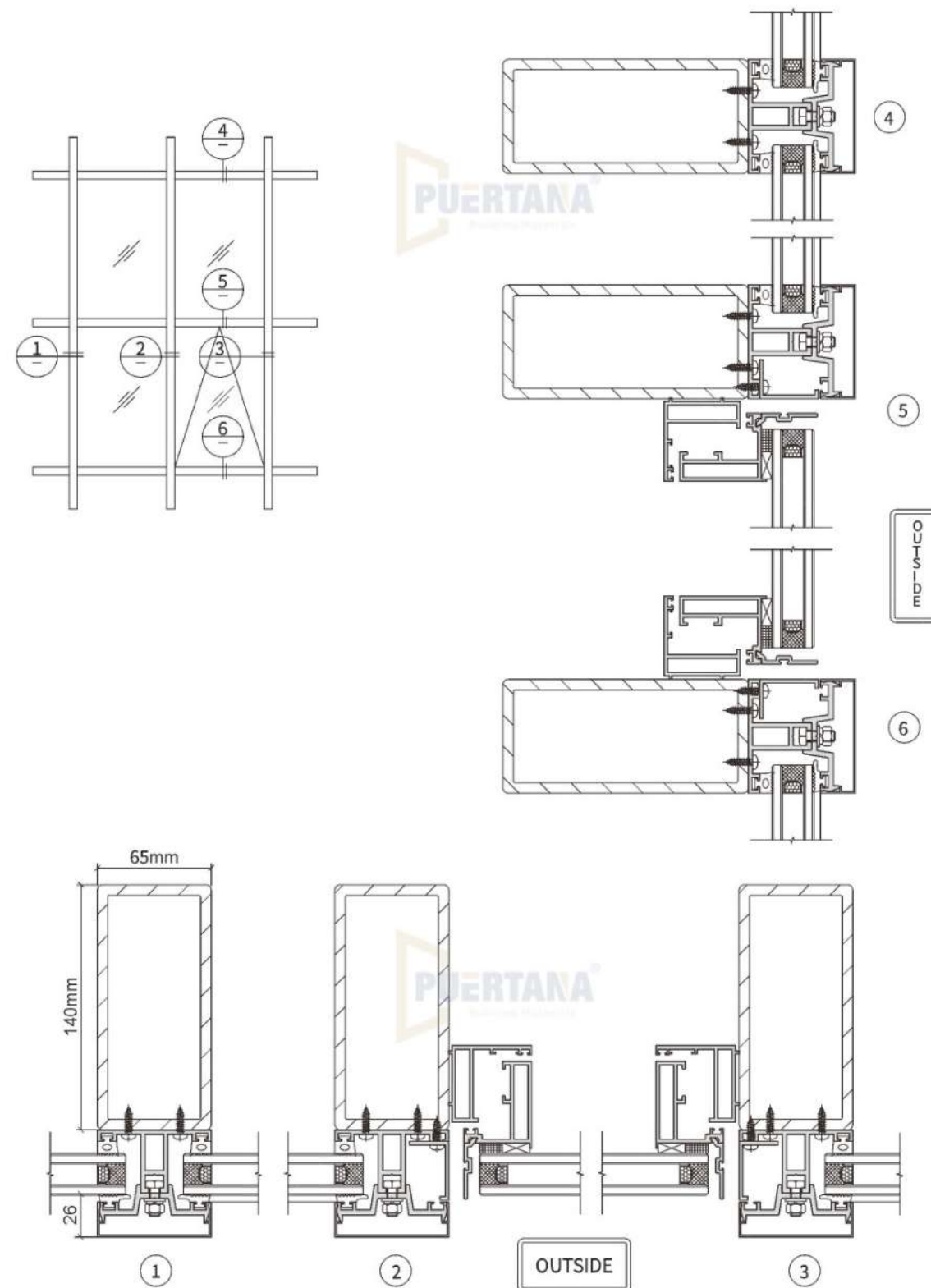
## STANDARD FEATURES

- Sections:
- Frame: 140mm
- Sash: 50mm
- Maximum dimensions/sash:
- Width up to 1,500mm
- Height up to 3,500mm
- Max weight/sash: 250 kg
- Multipoint locking hardware
- Maximum glazing thickness: 30mm



# PUERTANA

140\*65 Exposed Frame Steel facades & Curtain walls



114



# PUERTANA

140\*80 Exposed Frame Steel facades & Curtain walls



115

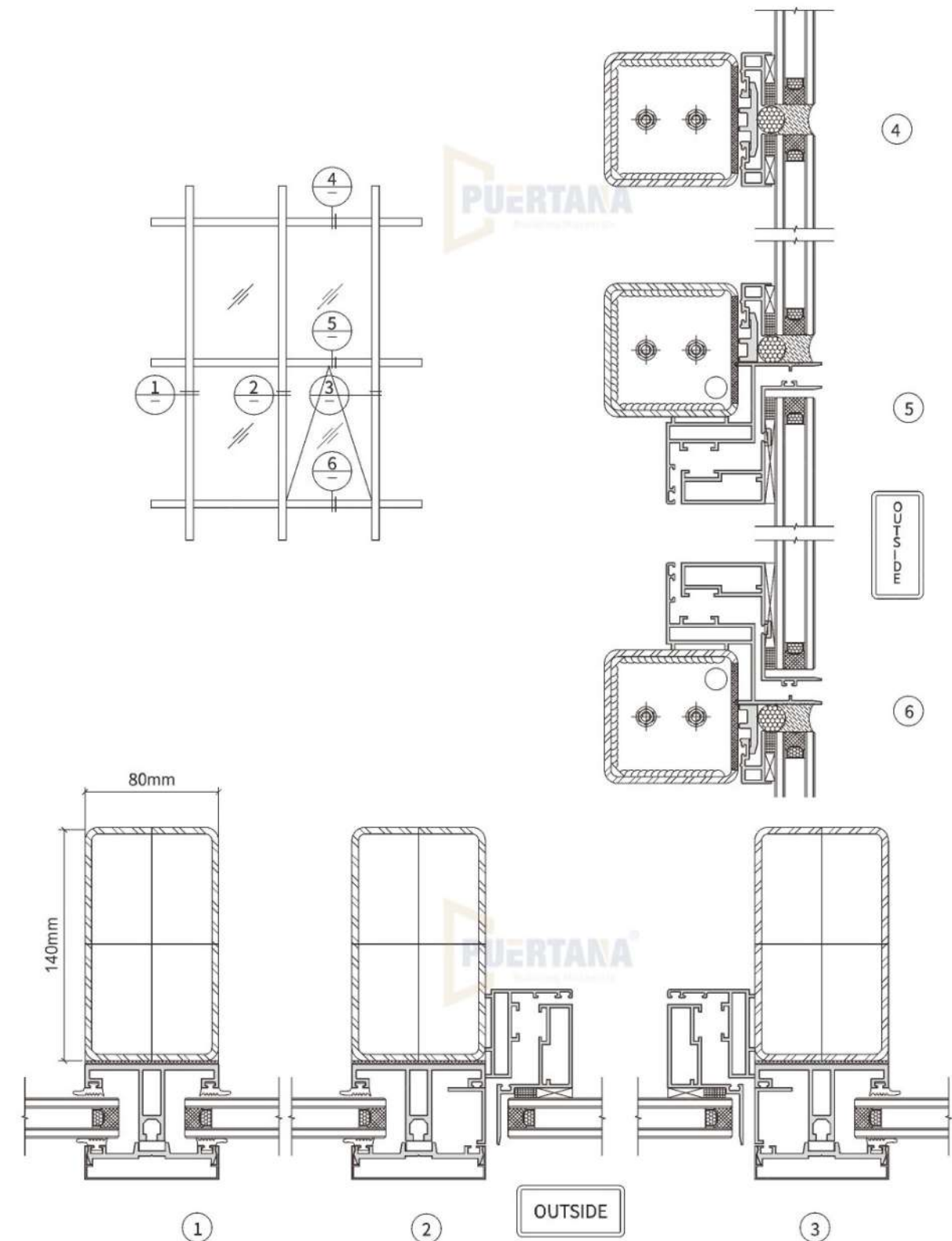


## STANDARD FEATURES

- Sections:
- Frame: 140mm
- Sash: 50mm
- Maximum dimensions/sash:
- Width up to 1,500mm
- Height up to 3,500mm
- Max weight/sash: 250 kg
- Multipoint locking hardware
- Maximum glazing thickness: 30mm

# PUERTANA

140\*80 Exposed Frame Steel facades & Curtain walls



116



# INTERIOR PARTITION

## SWING DOORS

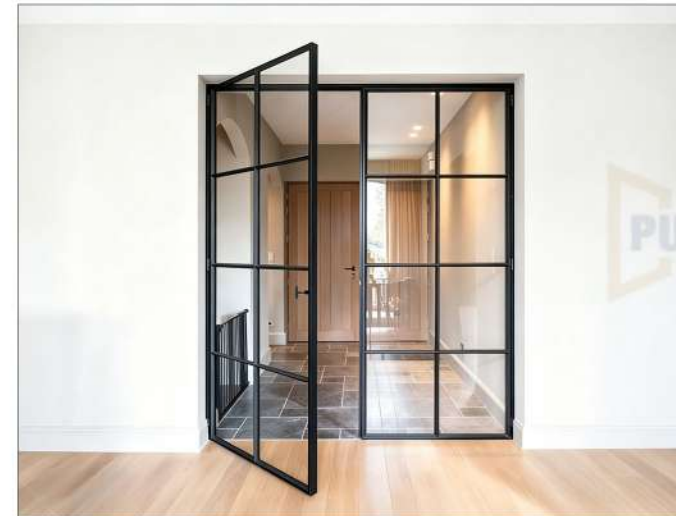


Our interior partition aluminum swing doors are purpose-built for modern indoor space division, combining sleek minimal aluminum framing with expansive glass panels to create clear spatial boundaries while preserving natural light flow and visual openness. Hinged for smooth side-swing operation, these doors deliver a clean, contemporary aesthetic paired with reliable functionality, making them an ideal solution for both residential interiors and commercial office partitions.

Designed to complement modern interior design schemes, these aluminum swing doors feature ultra-slim frame profiles that maximize visible glass area, creating a light, airy atmosphere and visually expanding interior spaces. Available in single-leaf, double-leaf, and paired configurations with a full range of glass and finish options, they seamlessly integrate with office cubicles, meeting rooms, residential bedrooms, bathrooms, study rooms, and commercial retail interiors.

# INTERIOR PARTITION

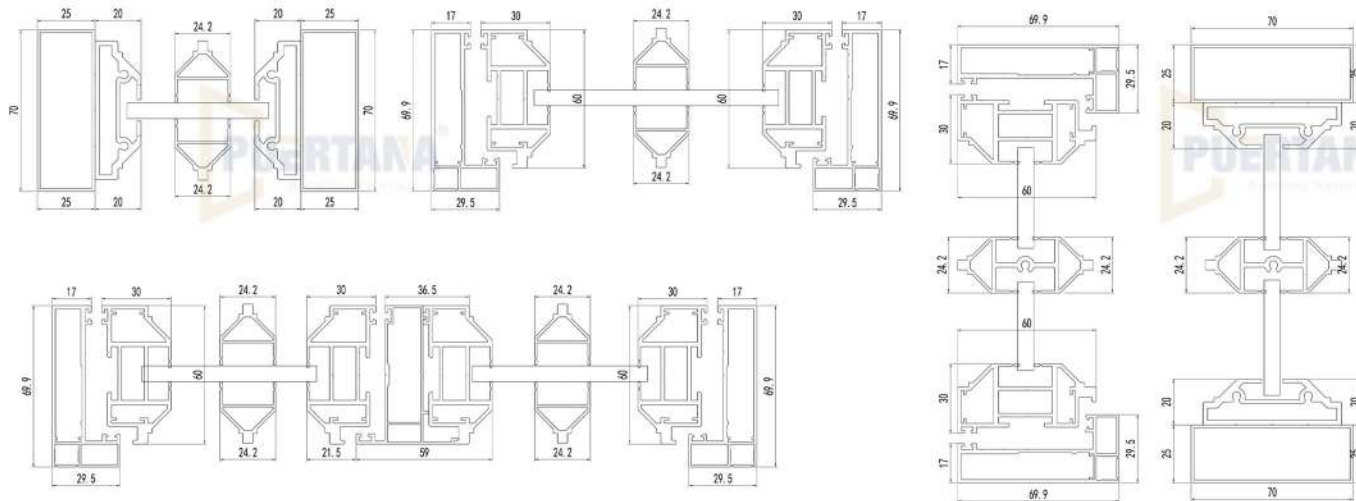
## SWING DOORS





## 60 series

### Steel look interior aluminum french partiton door



117

#### GENERAL SPECIFICATIONS

- Profile thickness: 2.0mm
- Single glazed glass
- Radius tops and arches available
- Color powder coating
- Max weight/sash: 80 kg
- Multipoint locking hardware
- Maximum glazing thickness: 24mm

#### OPTIONS

- Possibility of incorporating hardware with concealed hinges
- Multiple glazing packages and finish options

## 60 series

### Steel look interior aluminum french partiton door



118

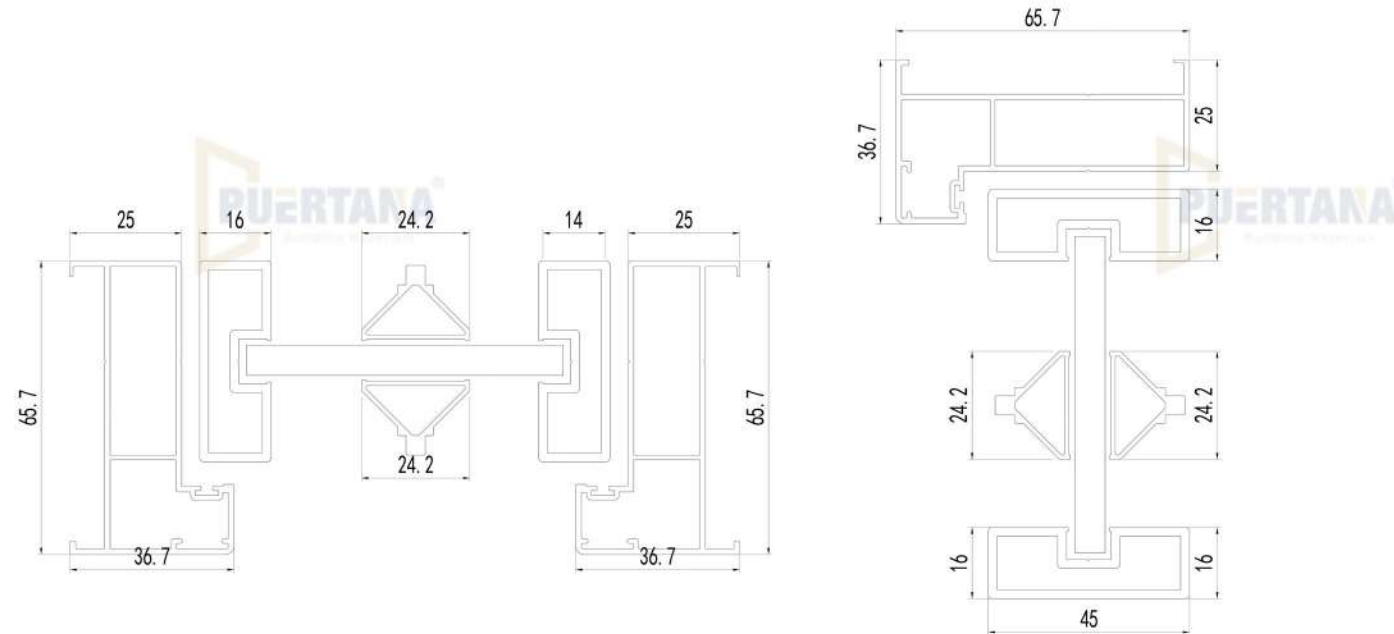
#### STANDARD FEATURES

- Opening: side hung of 1 or 2 sashes with sidelight.
- Sections:
  - Frame: 70mm
  - Sash: 60mm
- Maximum dimensions/sash:
  - Width up to 1,100mm
  - Height up to 3,000mm



## 16 series

Slimline interior aluminum french partiton door



119

### GENERAL SPECIFICATIONS

- Profile thickness: 2.0mm
- Single glazed glass
- Radius tops and arches available
- Color powder coating
- Max weight/sash: 80 kg
- Multipoint locking hardware
- Maximum glazing thickness: 24mm

### OPTIONS

- Possibility of incorporating hardware with concealed hinges
- Multiple glazing packages and finish options

## 16 series

Slimline interior aluminum french partiton door



120

### STANDARD FEATURES

- Opening: side hung of 1 or 2 sashes with sidelight.
- Sections:
  - Frame: 70mm
  - Sash: 60mm
- Maximum dimensions/sash:
  - Width up to 1,100mm
  - Height up to 3,000mm



# INTERIOR PARTITION

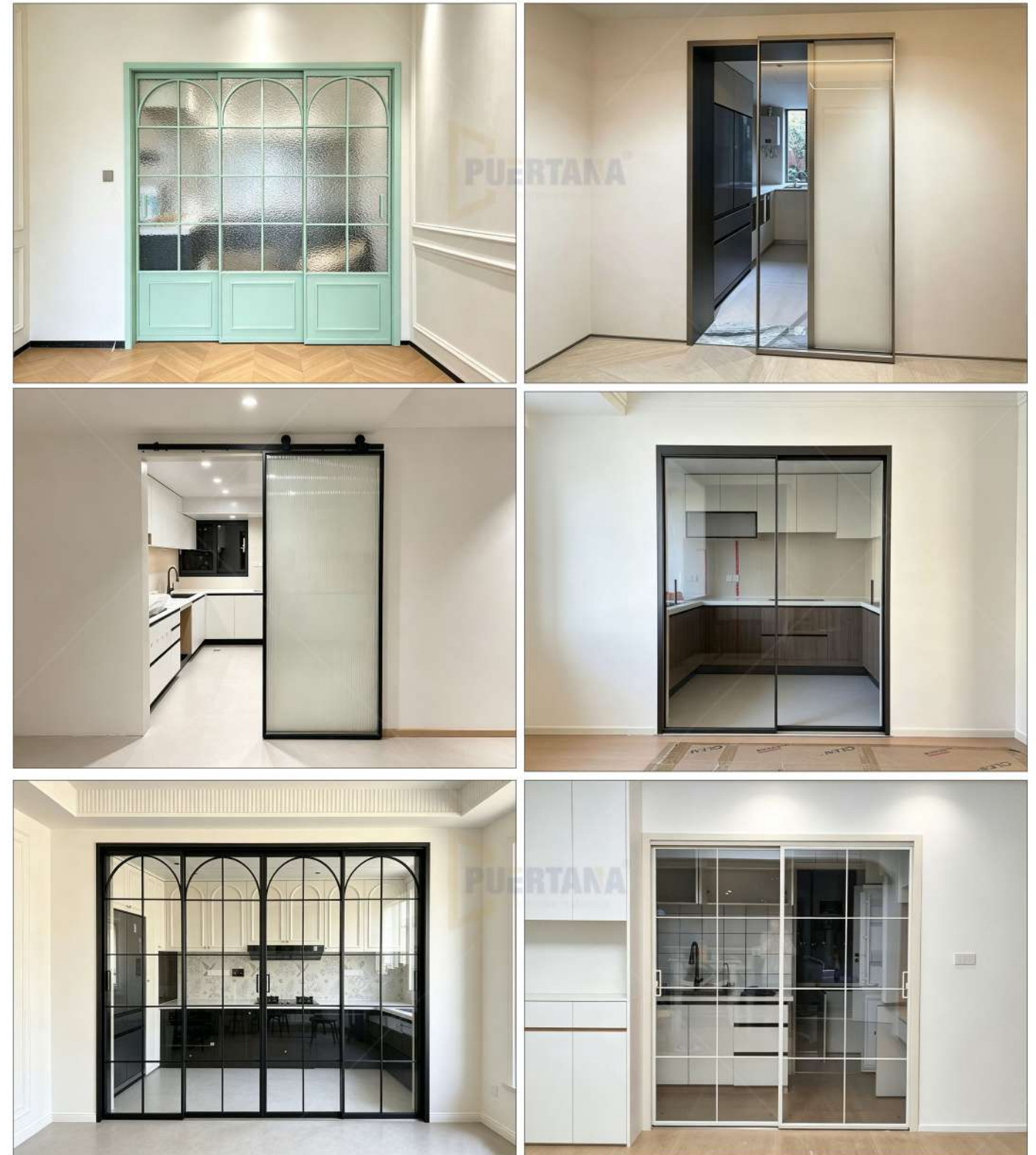
## SLIDING DOORS



Our interior partition aluminum sliding doors are engineered for modern indoor space division, blending ultra-slim aluminum framing with large glass panels to create clear spatial boundaries while preserving natural light flow and visual openness. Designed with a space-saving horizontal sliding mechanism, these doors glide along parallel tracks without requiring swing clearance, making them a perfect solution for optimizing floor space in both residential interiors and commercial workplaces. Featuring minimalist narrow sightlines and a sleek, contemporary aesthetic, these sliding partition doors seamlessly integrate with open-concept layouts. They are available in 2-panel, 3-panel, and multi-track configurations, with a wide selection of glass types and frame finishes to match any interior design scheme. From office meeting rooms and workspace dividers to residential study nooks, walk-in closets, and kitchen partitions, they deliver functional separation without sacrificing the airy, expansive feel of interior spaces.

# INTERIOR PARTITION

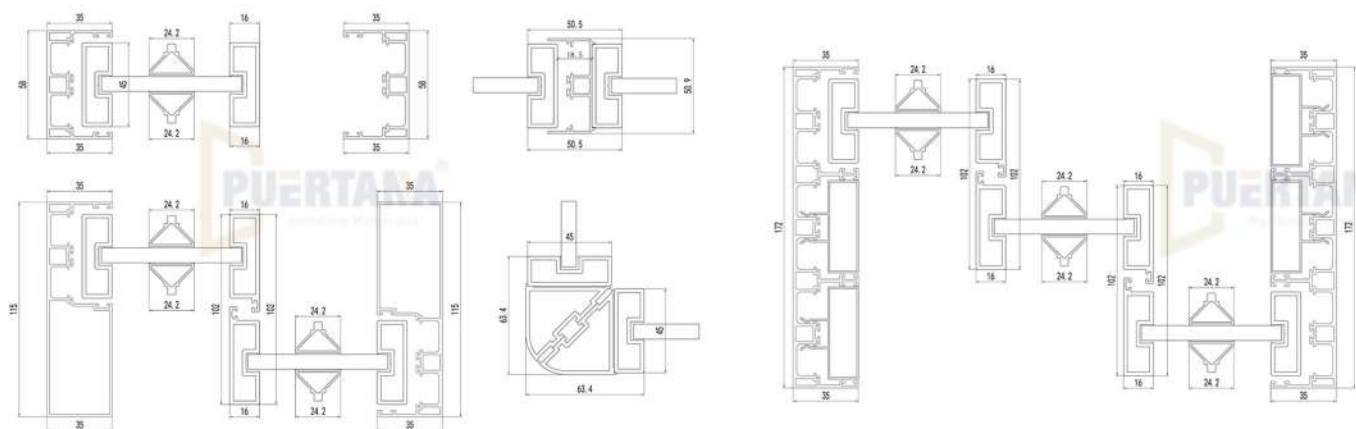
## SLIDING DOORS





## 16 series

### Interior slimline aluminum sliding door



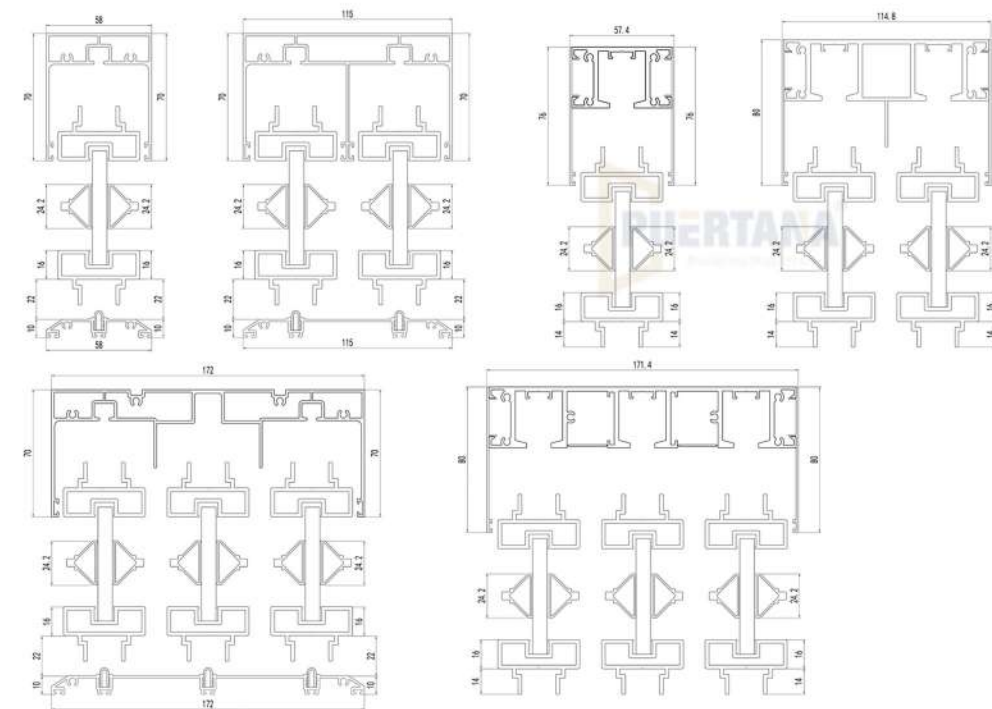
#### STANDARD FEATURES

- Sliding of 1,2, 3, 4 , 5, 6, 7 & even number Sashes
- Sections:
  - Frame: 115mm / 172mm
  - Sash: 45mm
- Maximum dimensions/sash:
  - Width up to 1,200mm
  - Height up to 3,000mm
- Max weight/sash: 80 kg
- Multipoint locking hardware
- Maximum glazing thickness: 24mm



## 16 series

### Interior slimline aluminum sliding door



#### GENERAL SPECIFICATIONS

- Profile thickness: 2.0mm
- Color powder coating
- Possibility of multiple Rails

#### OPTIONS

- Multiple glazing packages and finish options
- Single glazed glass





# INTERIOR PARTITION

## FOLDING DOORS

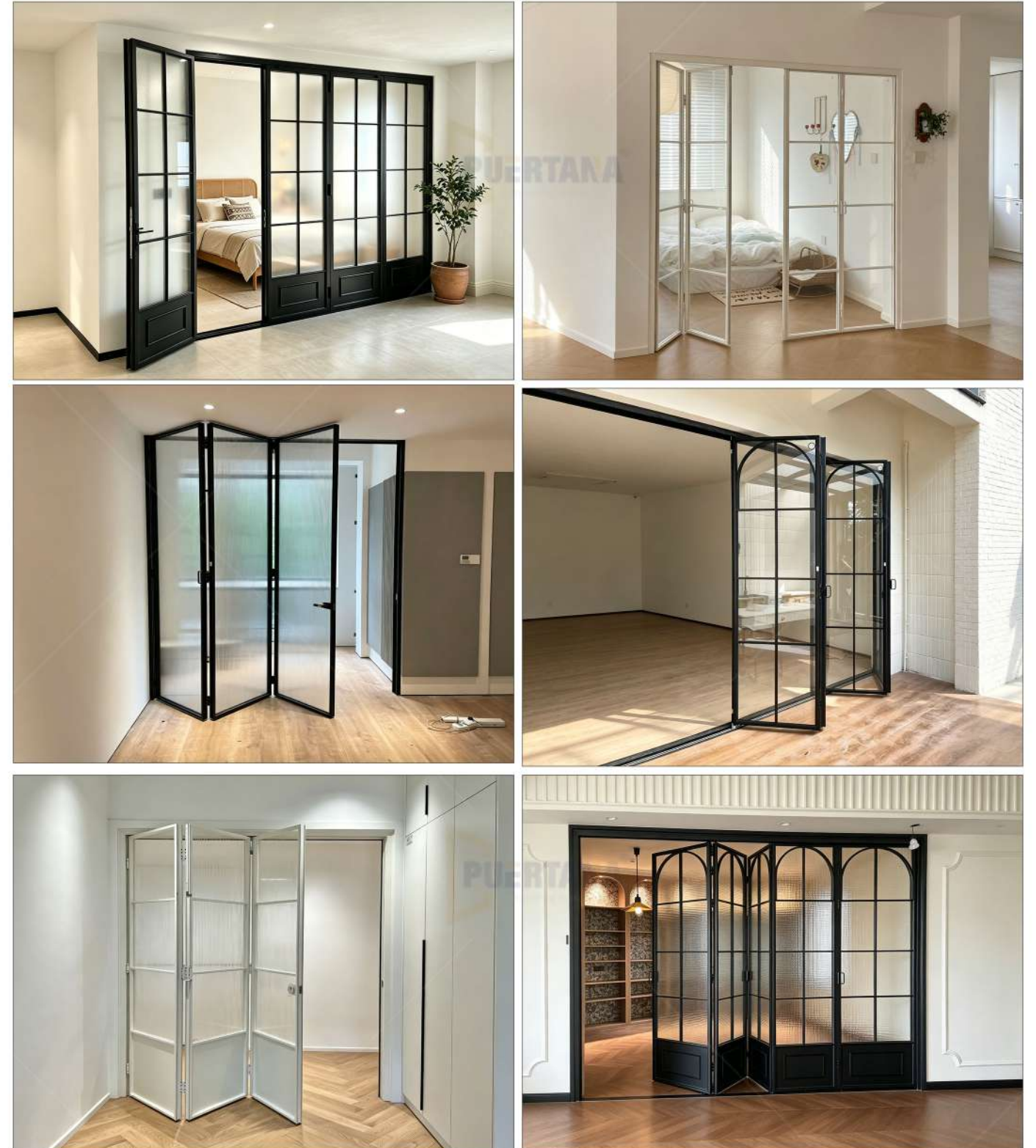


Our interior partition aluminum folding doors deliver ultimate spatial flexibility for modern interiors, combining slim aluminum framing with large glass panels to create adaptable, light-filled environments that can be fully opened or divided in seconds. Each panel is hinged together and glides smoothly along a track, folding compactly to one or both sides to reveal a completely unobstructed opening, eliminating the swing clearance required by traditional hinged doors.

Designed for seamless integration with contemporary interior design schemes, these folding partition doors feature ultra-narrow sightlines that preserve visual connectivity and natural light flow even when closed. Available in multi-panel configurations with a full range of glass and finish options, they are the ideal solution for flexible office layouts, residential open-concept spaces, hotel function rooms, and retail interiors, empowering you to reconfigure spaces effortlessly to suit changing needs.

# INTERIOR PARTITION

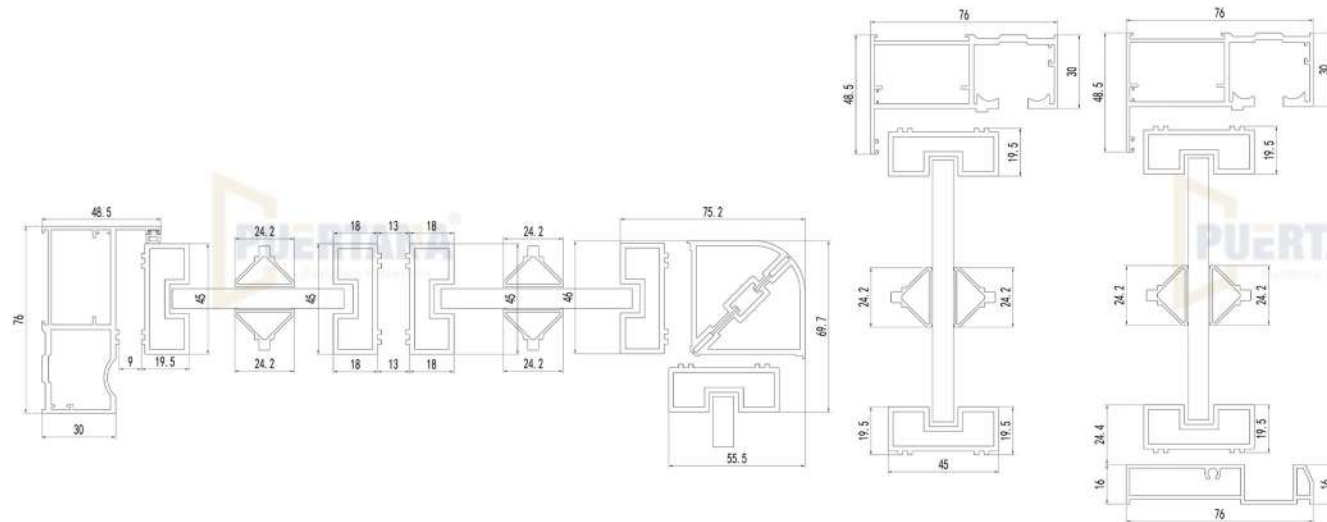
## FOLDING DOORS





## 16 series

### Slimline interior aluminum folding partiton door



#### STANDARD FEATURES

- Operation:
  - Inward Opening: Bi-fold from multiple sashes
  - Outward Opening: Bi-fold from multiple sashes
  - Possibility of a 90° corner sash without mullion
- Sections:
  - Frame: 145mm - Sash: 120mm
- Maximum dimensions/sash:
  - Width up to 900mm - Height up to 3,000mm
- Max weight/sash: 80 kg(dependent on the quantity of hinges)
- Multipoint locking hardware
- Maximum glazing thickness: 24mm

## 16 series

### Slimline interior aluminum folding partiton door



#### GENERAL SPECIFICATIONS

- profile thickness: 2.0mm
- double glazed glass
- with concealed hinges
- color powder coating

#### OPTIONS

- Multiple glazing packages and finish options



# INTERIOR PARTITION

## PIVOT DOORS

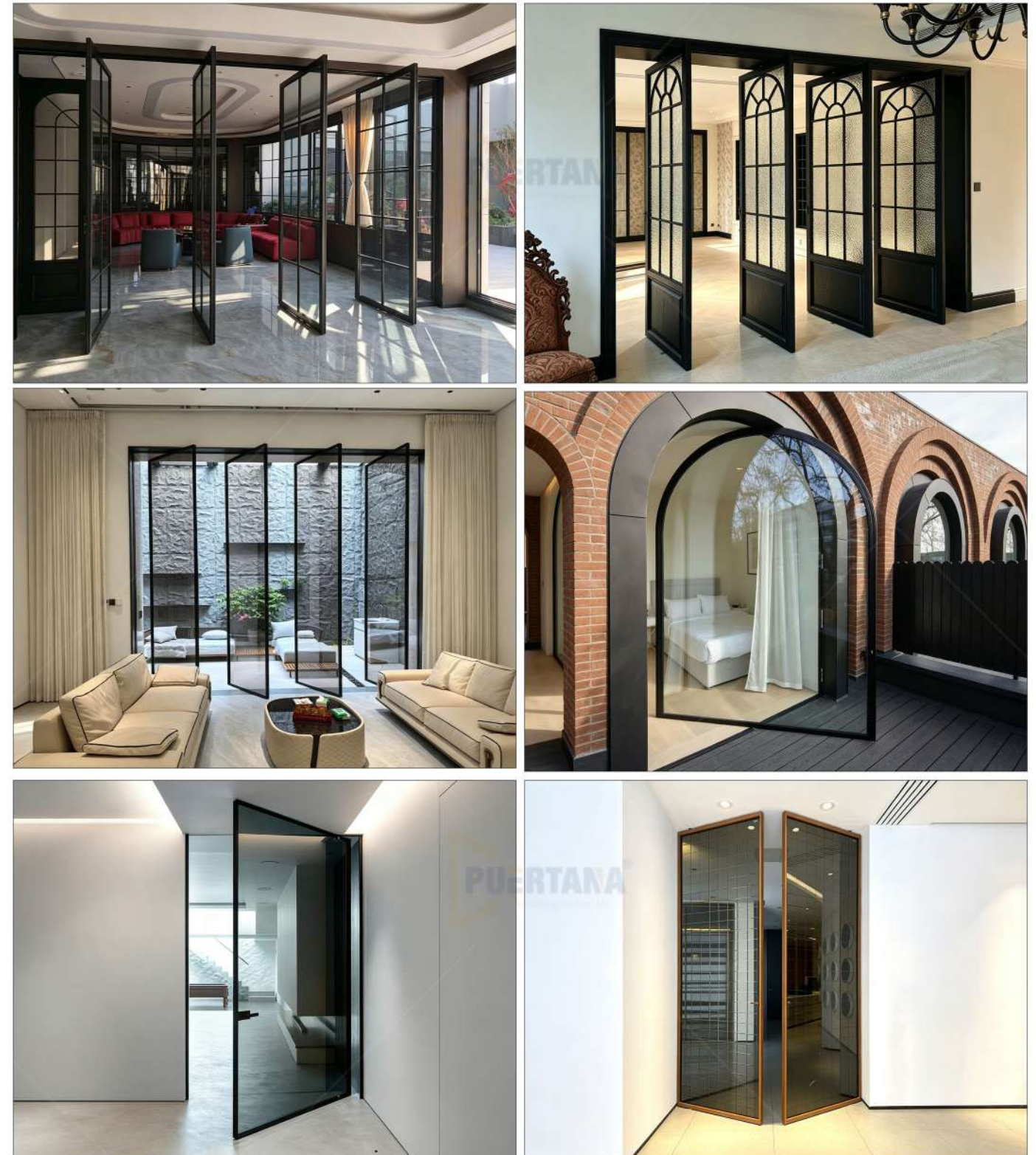


Our interior partition aluminum pivot doors redefine modern spatial design with a distinctive central-hinged rotating structure, pairing ultra-slim aluminum framing with expansive glass panels to deliver both functional space division and standout architectural appeal. Unlike traditional side-hinged doors, pivot doors rotate around a top and bottom pivot axis, creating a sleek, nearly frameless visual presence that serves as a striking design focal point while preserving natural light flow and visual openness across interiors.

Engineered for premium residential and commercial indoor spaces, these aluminum pivot doors support oversized panel dimensions while maintaining stable, smooth operation. They are the ideal choice for high-end interiors seeking a minimalist, luxurious aesthetic, including entryway feature doors, executive office entrances, home study partitions, and boutique retail spaces, effortlessly elevating the overall design grade of any interior environment.

# INTERIOR PARTITION

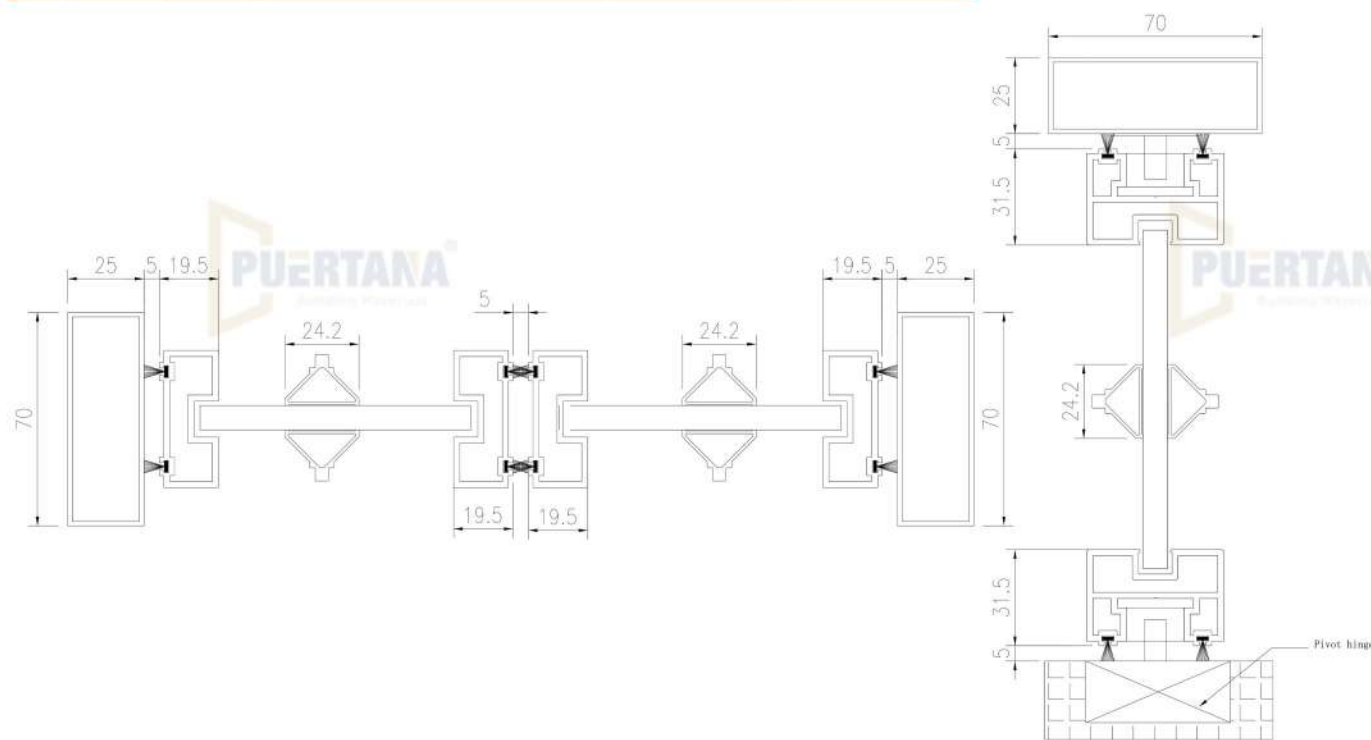
## PIVOT DOORS





## 16 series

### Slimline interior aluminum pivot partiton door



125

#### OPTIONS

- Multiple glazing packages and finish options

#### GENERAL SPECIFICATIONS

- Profile thickness: 2.0mm
- Single glazed glass
- Radius tops and arches available
- Color powder coating
- Max weight/sash: 80 kg
- Multipoint locking hardware
- Maximum glazing thickness: 24mm



## 16 series

### Slimline interior aluminum pivot partiton door



126

#### STANDARD FEATURES

- Operation:
  - Possibility of a 180° opening
- Sections:
  - Frame: 145mm - Sash: 120mm
- Maximum dimensions/sash:
  - Width up to 900mm - Height up to 3,000mm



## PUERTANA

### Aluminum naco glass jalousie windows

Adjustable louvers are operational from fully open to fully closed for positive shut off of air intake or exhaust. Drainable adjustable louvers also give added protection against water penetration.



#### GENERAL SPECIFICATIONS

- profile thickness: 2.0mm
- 5mm single glazed tempered glass
- color powder coating
- adjustable ventilation

#### OPTIONS

- Mosquito screens available



## PUERTANA

### Aluminum adjustable shutter blade louver



#### GENERAL SPECIFICATIONS

- profile thickness: 1.6mm
- color powder coating

#### OPTIONS

- Mosquito screens available





## PUERTANA

### Aluminum awning skylight



Type-01



Type-02



Type-03



Type-04

#### STANDARD FEATURES

- Sections:
  - Frame: 15mm -50mm
  - Sash: 15mm-50mm
- Maximum dimensions/sash:
  - Width up to 1,700mm
  - Height up to 1,700mm

#### GENERAL SPECIFICATIONS

- profile thickness: 1.4-3.0mm
- double glazed glass/ laminated glass
- color powder coating
- China brand motor / imported motor
- Mosquito screens available
- Multiple glazing packages and finish options

## PUERTANA

### Aluminum awning skylight



Type-05



Type-07



Type-06



Type-08

#### STANDARD FEATURES

- Sections:
  - Frame: 50mm -364mm
  - Sash: 50mm-364mm
- Maximum dimensions/sash:
  - Width up to 4,000mm
  - Height up to 4,000mm

#### GENERAL SPECIFICATIONS

- profile thickness: 2.0-4.0mm
- double glazed glass/ laminated glass
- color powder coating
- China brand motor / imported motor
- Mosquito screens available
- Multiple glazing packages and finish options



## PUERTANA

### Aluminum sliding skylight



Type-09



Type-10



Type-11



Type-12

#### STANDARD FEATURES

- Sliding of 2, 4 Sashes
- Sections:
  - Frame: 150mm -366mm
  - Sash: 65mm-120mm
- Maximum dimensions/sash:
  - Width up to 6,000mm
  - Height up to 6,000mm

#### GENERAL SPECIFICATIONS

- profile thickness: 2.0-4.0mm
- double glazed glass/ laminated glass
- color powder coating
- China brand motor / imported motor
- Mosquito screens available
- Multiple glazing packages and finish options

## PUERTANA

### Aluminum retractable skylight



Type-13



Type-14

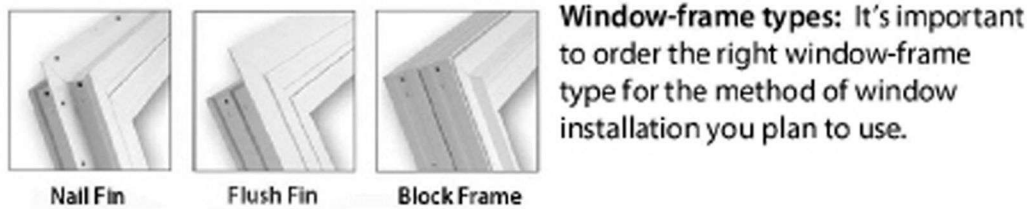
#### STANDARD FEATURES

- Sliding of 2,3, 4 Sashes
- Sections:
  - Frame: 210mm
  - Sash: 80mm
- Maximum dimensions/sash:
  - Width up to 2,500mm
  - Height up to 7,000mm

#### GENERAL SPECIFICATIONS

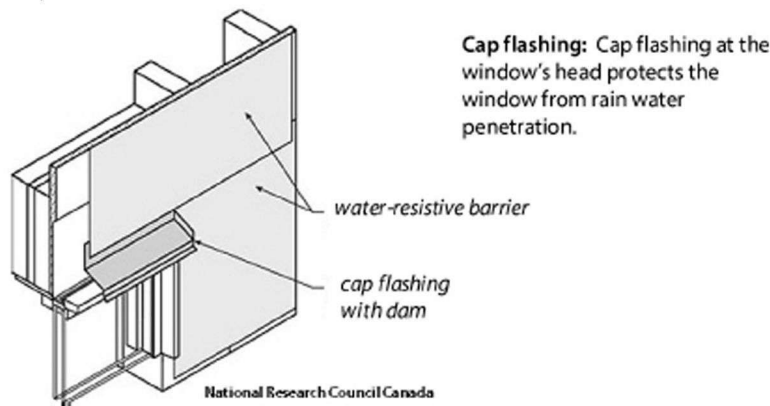
- profile thickness: 2.0-3.0mm
- double glazed glass/ laminated glass
- color powder coating
- China brand motor / imported motor
- Multiple glazing packages and finish options





### Installing Replacement Windows

The most important considerations for installing new windows is that the window installation is watertight and airtight. Water leakage deteriorates building components around the window. To prevent water leakage in frame buildings, the window must be integrated, if possible into the home’s water resistive barrier (WRB).

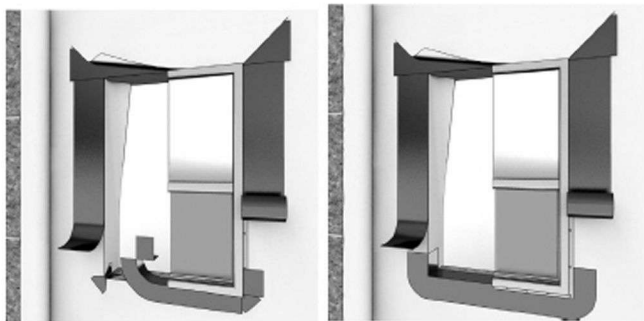


### Replacing Nailing-Fin Windows

Install replacement windows with nailing fins in the rough opening after removing the existing window frame and exterior trim. Fasten the nailing fins directly to the house’s sheathing or framing, but support the window’s weight on the sill with or without shims before fastening the window to the building. Water-Resistive Barrier (WRB): Designers and builders assume that some rain water penetrates through the siding.

The WRB is the building’s last defense against water. House wrap and asphalt felt are the most common WRBs. Window replacements that expose the home’s WRB must incorporate the WRB in the window installation. Install a sill pan below the window and flashing on the side fins. Use flashing to connect the window opening to the WRB so water that penetrates the siding, trim, or window exits the building by way of the WRB.

Windows are exposed to wind and rain. Install replacement windows so water that penetrates the siding or trim drains to the outdoors. If water leaks underneath the existing WRB or the new flashing, the water eventually damages the building. With proper flashing, the fins and flashing create a drainage system that drains water to the outdoors rather than relying on caulked siding and trim to prevent rain water from penetrating the building’s surface.



Flashing nailing-fin windows: Installers place the window on and over the sill flashing. The side and top flashing cover the fastening fin. The two methods shown here are: using a flexible membrane (right) and using a bowtie-shaped flashing to underlay the corners when using a standard membrane.

Follow these steps to install a nailing-fin window in the rough opening.

1. At the sill, insert the flashing underneath the existing siding, over top of existing building paper, and under the bottom nailing fin of the window.



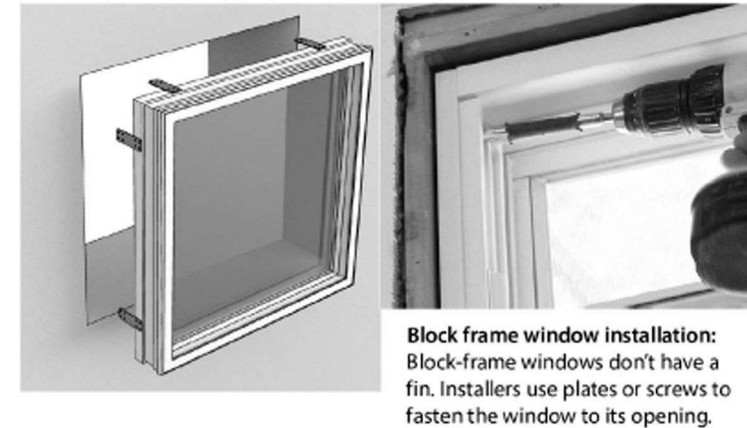
## Window & door

### installation guide

2. Use flat shims to provide a level surface and support under the vertical structural members of the new window frame. Don't allow the fins to support the window's weight.
3. Use fasteners with heads wide enough in diameter to span the holes or slots in the window fin.
4. Avoid over-driving the fasteners or otherwise deforming the window fin.
5. Flash the window around its perimeter with 15-pound felt, house wrap, or a peel-and-stick membrane.
  - a. Flashing procedures may vary. However, always install flashing materials to overlap like shingles.
  - b. Insert the new building paper or flashing underneath the existing siding and underneath existing building paper on the sides and top of the window opening.
6. Windows that are exposed to wind-driven rain or without overhangs above them or without WRB integration should have a rigid cap flashing (also called head flashing) to prevent rainwater from draining onto the window. The cap flashing should divert water away from vertical joints bordering the window with an overhang or dam.
7. Tuck the cap flashing up behind the WRB or exterior siding. Metal cap flashing must have downward bending lip of at least 1/4 inch on the front and ends.
8. Thoroughly caulk all filler and trim pieces surrounding the replacement window.

## Window & door

### installation guide



### Block-Frame or Finless Windows

Contractors install windows using a block-frame or finless installation when they can't remove the existing window frame or in a masonry window opening.

Block-frame windows rely on caulk or rigid flashing to create a weatherproof seal around the window perimeter. Take care when installing caulk so that it is durable and effective for as long as possible.

Comply with the following requirements when installing block-frame or finless windows.

1. Block-frame or finless windows may require a sufficiently wide gap between the new window and the existing window frame or masonry opening to allow for the following.
  - a. Allowing for a slightly out-of-square opening.
  - b. Leveling the window.
  - c. Insulating the gap with foam.
2. Access the window-weight cavities, remove the weights, and fill the cavities with insulation, and seal the cavities.



## Window & door

### installation guide

3. Protect the existing sill with a metal or plastic sill pan or rigid sill flashing if necessary for drainage and to protect the existing sill that protrudes from the exterior wall. Or, install a new sill as part of the window replacement.
4. Support block-frame or finless windows under their main vertical supports with shims that level the window.
  - a. Use flat shims for support if the sill surface is flat.
  - b. Use tapered shims or a sill angle for support if the sill surface is sloping.
5. Windows without fins must be secured to the rough opening within 4 inches of each side corner and a minimum 12 inches on center along the remainder of the frame with one of these fastening methods.
  - a. Screws fastened through the window frame. Use screws that are designed for fastening block-frame windows if available.
  - b. Jamb clips or plates that are fastened first to the window and then to the opening in separate steps.
6. Fill any gaps over 3/8 inch that are between the exterior siding and the block-frame window. Install backer rod in all exterior or interior voids over 3/8 inch in depth or width before caulking.
7. If possible, flash block-frame windows between the opening and the replacement-window frame and extend the flashing out far enough to slip under or into the siding.
  - a. Tuck the flashing up behind the exterior siding at least 1 inch.
  - b. Sill and cap flashing should have a downward bending lip of at least 1/4 inch on the front that sheds water away from the building.

## Window & door

### installation guide

#### Flush-Fin Window Replacement

Flush-frame windows are replacement windows that fasten to the window opening and mount directly over the flat siding surrounding the window opening. Replace windows in stucco walls using windows with flush fins, also called stucco fins, that have no nail holes. Flush-fin windows work well for any window opening with a flat water-resistant finished surface surrounding the window opening. This flush-fin window-replacement technique is similar to block-frame window installation.

1. Support the replacement window on the existing sill with one of the following materials.
  - a. A flat or tapered continuous wood support.
  - b. Flat shims under the window's main vertical supports.
  - c. Tapered shims under the window's main vertical supports if the sill is sloping.
2. Apply a sealant that remains flexible to the back of the flush fin of the replacement window in order to seal it to the surface of the exterior wall. Interrupt the caulking at the bottom fin for one inch on each side of the window's weep holes.
3. Fasten the flush-fin window to the window opening by driving screws through the replacement window's frame.

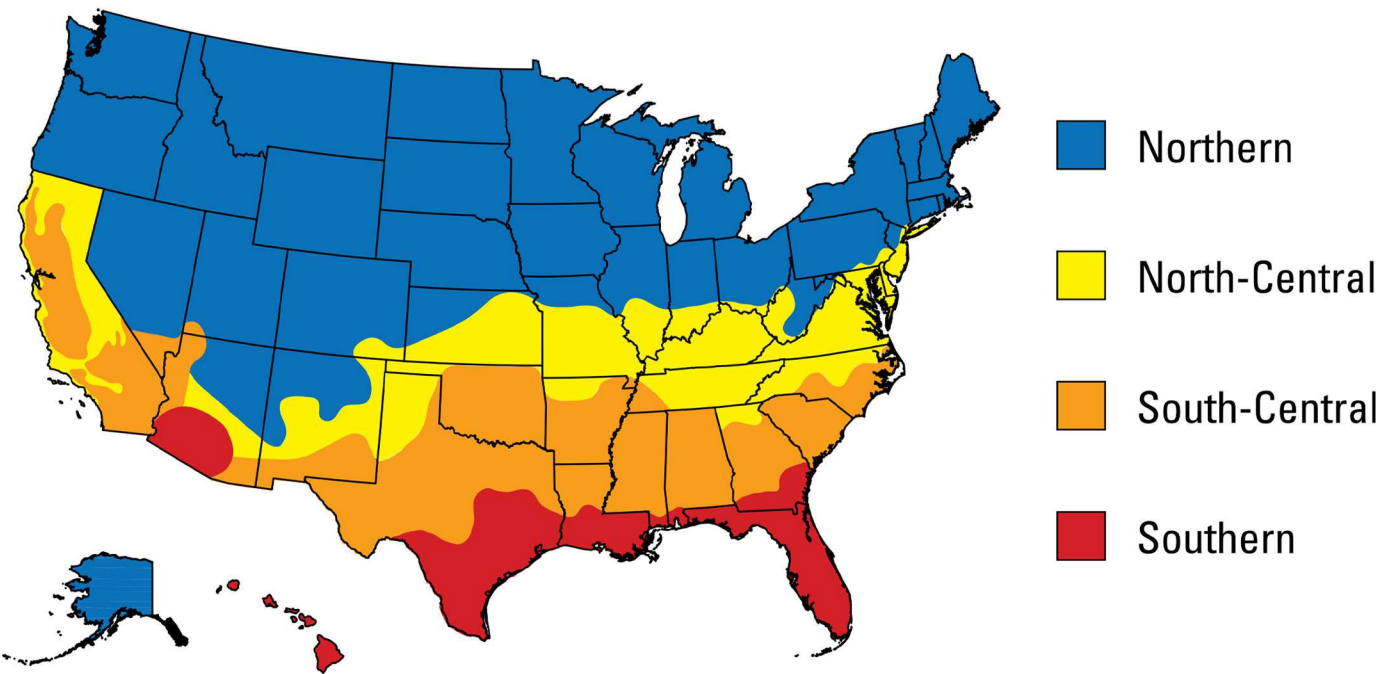


**Flush frame window:** Flush frame windows have the fin at the exterior surface of the window and seal to a flat exterior surface like stucco.



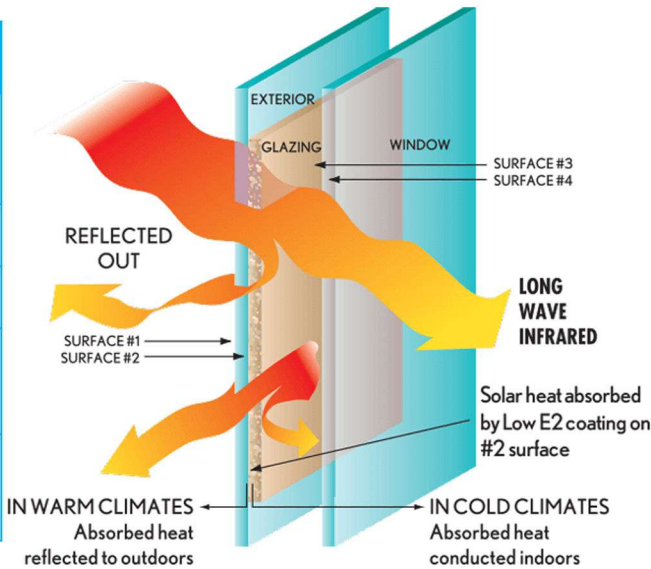
# Energy Efficient

## PUERTANA Window & Door



| DOORS         |                       |                           |        |
|---------------|-----------------------|---------------------------|--------|
| GLAZING LEVEL | U-FACTOR <sup>1</sup> | SHGC <sup>2</sup>         |        |
| Opaque        | ≤ 0.17                | No Rating                 |        |
| ≤ ½-Lite      | ≤ 0.25                | ≤ 0.25                    |        |
| > ½-Lite      | ≤ 0.30                | Northern<br>North-Central | ≤ 0.40 |
|               |                       | Southern<br>South-Central | ≤ 0.25 |

Air Leakage for Sliding Doors ≤ 0.3 cfm/ft2  
Air Leakage for Swinging Doors ≤ 0.5 cfm/ft2



# Energy Efficient

## PUERTANA Window & Door

| WINDOWS       |                       |                   |  | SKYLIGHTS                                |                       |                   |
|---------------|-----------------------|-------------------|--|------------------------------------------|-----------------------|-------------------|
| CLIMATE ZONE  | U-FACTOR <sup>1</sup> | SHGC <sup>2</sup> |  | CLIMATE ZONE                             | U-FACTOR <sup>1</sup> | SHGC <sup>2</sup> |
| Northern      | ≤ 0.27                | Any               |  | Northern                                 | ≤ 0.50                | Any               |
|               | ≤ 0.28                | ≥ 0.32            |  | North Central                            | ≤ 0.53                | ≤ 0.35            |
|               | ≤ 0.29                | ≥ 0.37            |  | South Central                            | ≤ 0.53                | ≤ 0.28            |
|               | ≤ 0.30                | ≥ 0.42            |  | Southern                                 | ≤ 0.60                | ≤ 0.28            |
| North Central | ≤ 0.30                | ≤ 0.40            |  | Air Leakage ≤ 0.3 cfm/ft2                |                       |                   |
| South Central | ≤ 0.30                | ≤ 0.25            |  | <sup>1</sup> Btu/h ft2·°F                |                       |                   |
| Southern      | ≤ 0.40                | ≤ 0.25            |  | <sup>2</sup> Solar Heat Gain Coefficient |                       |                   |

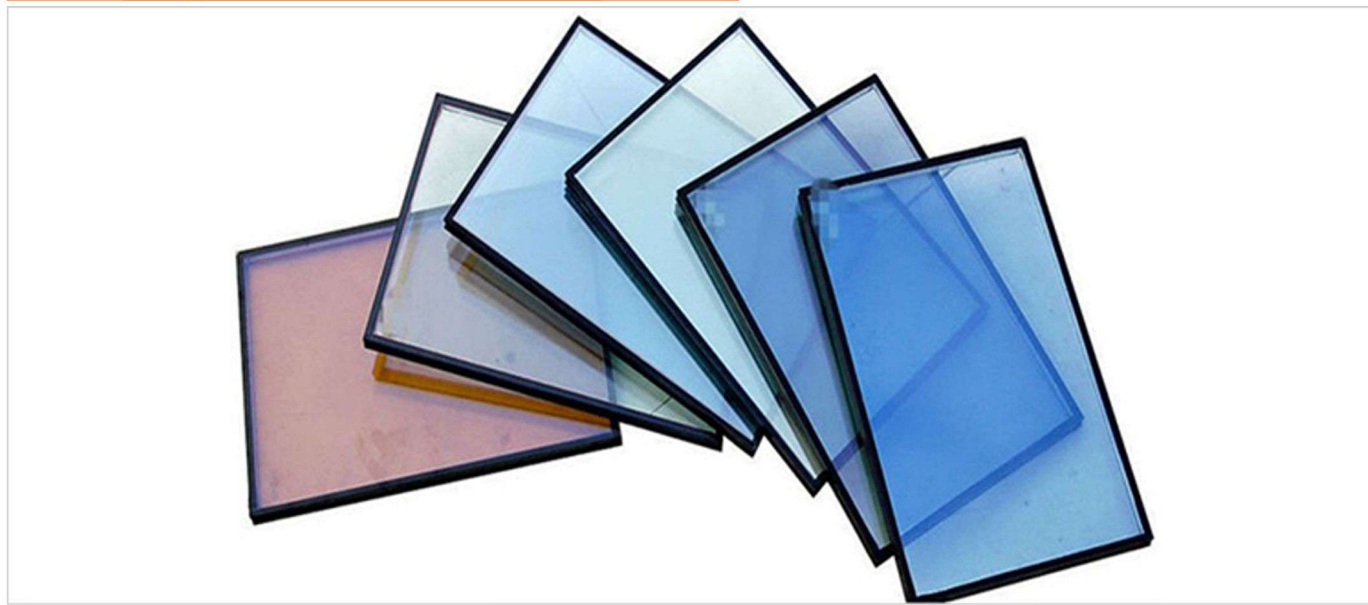
Does my window need to be ENERGY STAR certified in order to be energy efficient?

No. While an ENERGY STAR label can be helpful in identifying energy-efficient windows, every home is unique. ENERGY STAR provides a one-size-fits-all guideline but does not take into consideration, for example, the orientation of the house or the number or size of windows and associated Solar Heat Gain. A window expert like your Marvin dealer can help determine which products will work best for you. ENERGY STAR also recognizes products that meet high energy-efficiency guidelines. PUERTANA offers the industry’s widest selection of wood and clad wood products that meet these rigorous criteria.

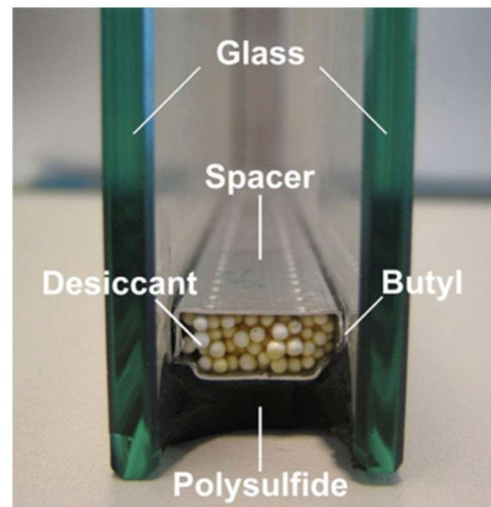


## Glass options

### Product designs



Choosing the right glass options for your project can help ensure you're investing your money wisely in a glass package that will give you the energy efficiency your home and climate requires. Choose from a variety of insulating options, including standard dual or optional triple pane insulated glass options and surface coatings that help manage the amount of light and heat entering and leaving your home. Understanding your glass options helps ensure you're paying for the efficiency you need without selecting options that may not offer return over time.



## Glass options

### Product designs

#### Dual Pane

Our standard glazing is dual pane: two panes of glass with Low E coatings and insulated with argon gas. Compared to a single glass pane, dual pane glass cuts energy costs significantly because of low emissivity coating and the gas filled insulating space between the glass layers.

#### Triple Pane

Triple pane glazing consists of three panes of glass with Low E coatings applied to the surface. Two glass spaces are insulated with argon gas between the panes

**Is Triple Pane Right for You?**

Triple pane doesn't necessarily mean a window is more energy efficient. Glass coatings, the type of gas used in the spaces between the glass, the design of the window, the materials used, and how well it is installed all play a role in achieving the overall energy efficiency. Consider the energy efficiency of the entire window not just the number of panes of glass it has.

#### Is Triple Pane Right for You?

Low E coatings are microscopically thin, essentially invisible coatings on the glass surface that help manage the amount of light and heat conducted through a window pane or reflected away from it, reducing a home's dependence on heat and air conditioning. The national ENERGY STAR® program recognizes products that meet strict energy-efficiency guidelines to suit climates in different areas of the country, and PUERTANA offers products to meet climate and code requirements in every region.



# Glass options

## Product designs

### Low E1

Low E1 coating is a good choice when you want maximum solar heat gain (or maximum heat transferring into your house from the sun) and radiant heating properties (keeping heat on the side of the glass where it originated). This type of coating is generally used in Northern climates where heating is prioritized over cooling. You'll reap maximum benefits when windows with this type of coating are positioned to receive direct sun exposure.

### Low E2

The most common Low E coating since it works well across most geographic regions and climates. Low E2 with two metallic coatings balances less solar heat gain and improved radiant heating properties.

### Low E3

Used in applications where solar heat gain may be a concern, low E3 coating uses multiple metallic layers for radiant properties similar to Low E2. This type of coating is most commonly used in Southern, sunny climates where cooling is prioritized over heating.

### Low ERS

A higher performing Low E glass with significantly improved U Factors (ability to keep heat inside of your home). This coating is placed on the interior surface of the glass and can be touched. It is used in conjunction with Low E2 or Low E3 and helps reflect radiant heat back into the room. This means a slightly cooler interior glass surface since the heat is not absorbed by the glass. The cooler surface may see a bit more condensation in cold climates versus traditional Low E glass make-ups. Abrasive products should be avoided when cleaning the glass.

# Glass options

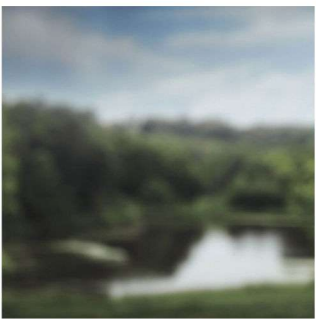
## Product designs

### Decorative Glass

A variety of decorative glass options are available to meet the unique needs of each project. Laminated glass is also available in clear, bronze, gray, or green with tinted interlayers.



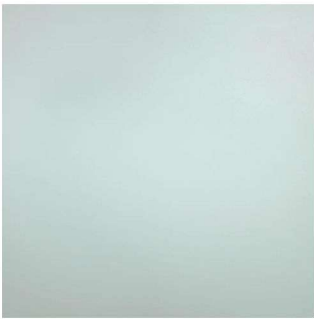
Bronze Tint



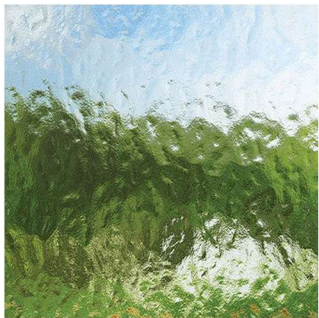
Gray Tint



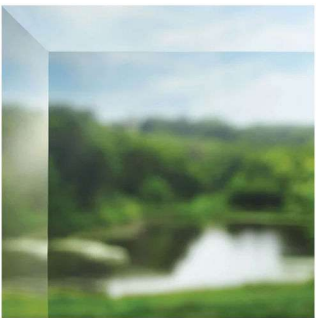
Green Tint



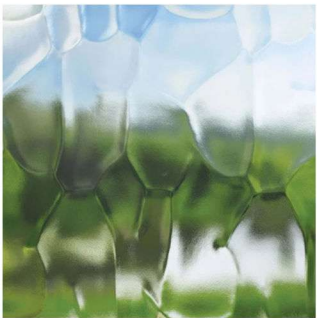
White Laminated



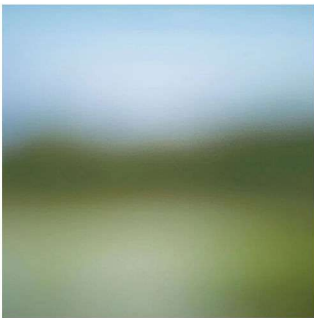
Aqualite



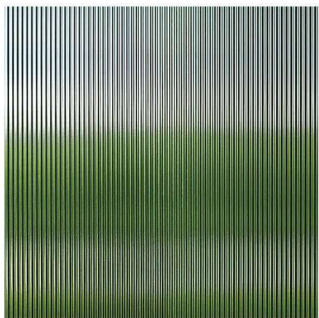
Beveled



Flemish



Frost



Narrow Reed



Obscure



Rain



Reed





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BE INSPIRED!

