

AVORA DOORS

ALUMINUM CLAD WOOD

WINDOWS & DOORS

Avora Doors Aluminum Clad Wood Windows & Doors — where natural elegance meets modern strength. Built for beauty, engineered for lasting performance.



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ALUMINUM CLAD WOOD

WINDOWS & DOORS

Characteristics of aluminum-clad wood:

1. Aluminum-clad wood windows and doors adopt a structure with aluminum on the outside and wood on the inside. The outdoor aluminum is not only waterproof and moisture-proof but also less prone to deformation.
2. The indoor wood surface is sprayed with imported special paint, which is not only moisture-proof and anti corrosion but also has various colors, which make the building more high-end and provides good visual effects;
3. The combined structure of thermal break + hollow + aluminum-clad wood greatly enhances sound insulation, sealing, and thermal insulation performance, significantly reducing energy consumption for heating and cooling.
4. The standard wood species is American red oak, with optional choices including Burma teak, black walnut, cherry wood, and rosewood.



ALUMINUM CLAD WOOD

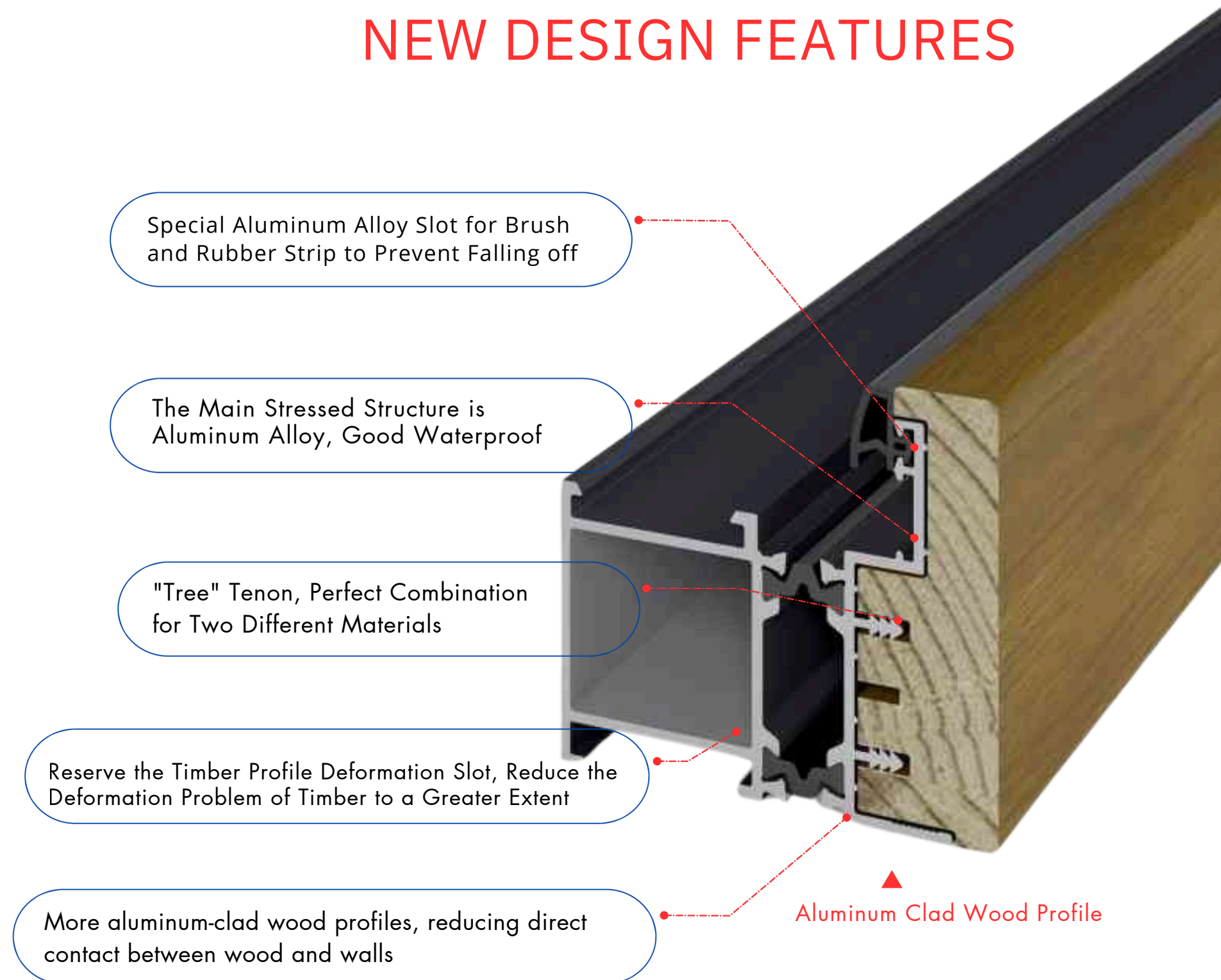
NEW DESIGN FEATURES



At Avora Doors, we engineer our frames for maximum strength and durability. To enhance structural integrity, we design high-quality aluminum moulds that ensure stress forces are absorbed by the aluminum –not the wood.

This approach significantly improves stability and longevity. To further maintain performance, all weather stripping and sealing strips are securely applied to the aluminum surface, preventing them from loosening or falling off over time.

Compared to traditional methods, this construction delivers superior stability, durability, and long-term reliability.



COLORFUL WINDOW COLORFUL LIFE

A Vivid Picture of a Hidden Past,
A Discourse on the Enrichment of a Colorful Life.



Aluminum Clad Wood Window And Door



AVORA DOORS

WOOD & COLOR



ALUMINUM CLAD WOOD WINDOW & DOOR

ALUMINUM COLOR



Above colors may be a slight deviation phenomenon, please in kind prevail. Support
More Kinds of Wood and Wood Grain for Aluminum. Welcome to Contact us.



AVORA DOORS

ALUMINUM-CLAD WOOD WINDOW INTEGRATED

INWARD OPENING WINDOW/WINDOW SCREEN



TH 75

Crafted for strength, designed for elegance—Avora Doors combines natural wood beauty with advanced aluminum protection for lasting performance, security, and style.

Avora Doors - Premium Aluminum-Clad Wood System

Profile: High-performance aluminum-clad wood profile (6063-T5)

Thickness: 1.8 mm

Glazing:

- 33 mm rabbet
- Double tempered insulating glass (standard)
- Optional: Low-E glass, triple glazing, internal grille, or integrated blinds

Hardware:

- Premium German hardware: ROTO / SIEGENIA / CMECH

Screen Options:

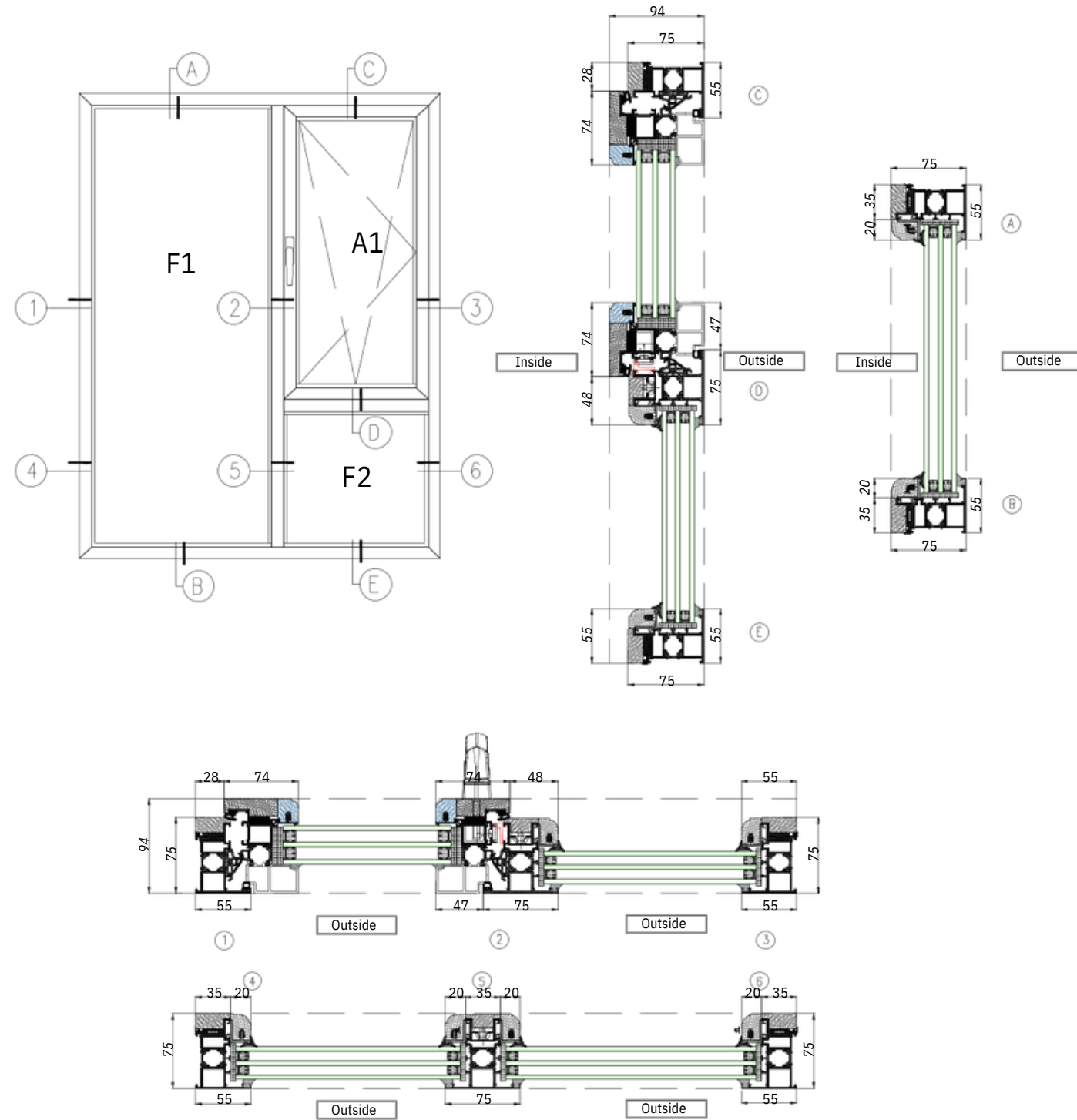
- 304 stainless steel anti-theft screen
- Mosquito screen
- Protective safety barrier

Wood Finishes:

- Standard: American Oak
- Optional: Burma Teak, Dark Walnut, Cherry Wood, Red Rosewood



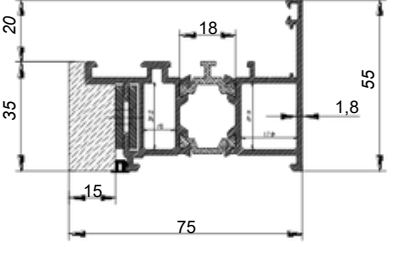
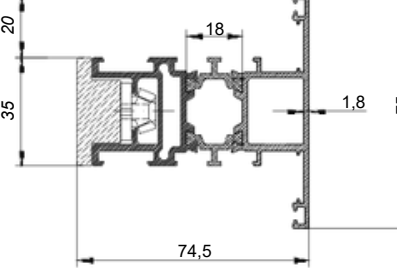
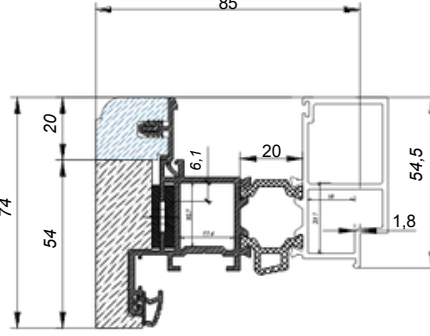
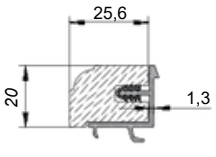
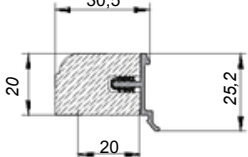
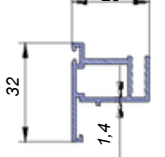



TH-75 ALUMINUM-CLAD WOOD WINDOW INTEGRATED INWARD OPENING WINDOW



Product Specifications

- **Profile Wall Thickness:** 2.0 mm (0.08")
- **Wood Panel Thickness:** 16 mm – 20 mm (0.63" – 0.79")
- **Sash Width:** 400 mm – 900 mm (15.75" – 35.43")
- **Sash Height:** 400 mm – 2600 mm (15.75" – 102.36")
- **Hardware Brand:** Italian Sterry
- **Maximum Load Capacity:** 80 kg (176 lbs)
- **Standard Glass:** 5 mm + 20A + 5 mm double-layer tempered insulating glass
- **Optional Blinds:** Magnetic control blinds or electric blinds
- **Water Tightness:** 700 Pa
- **Sound Insulation:** Rw 33 dB
- **Thermal Insulation:** Uw 1.9 W/m²K
- **Wind Pressure Resistance:** 5000 Pa

TH-75 Cross-section Diagram of Tilt and Turn Window Profile Diagram

								
NM	NM	THK	NM	NM	THK	NM	NM	THK
Window frame	TH-LMN75-01	1.8mm	central stile	TH-LMN75-02	1.8mm	Window sash	TH-LMN75-03	1.8mm
								
NM	NM	THK	NM	NM	THK	NM	NM	THK
Crimping line	TH-LMN75-04	1.3mm	Crimping line	TH-LMW80-05	1.2mm	Mesh frame	TH-LMN75-06	1.4mm
								
NM	NM	THK	NM	NM	THK	NM	NM	THK
Rubber strip	H52947K	1.4mm	Rubber strip	TH-60K01	1.4mm	Rubber strip	EP0234L	1.4mm



AVORA DOORS

ALUMINUM CLAD WOOD WINDOW

OUTWARD OPENING WINDOW

TH 80

Avora Doors blends the warmth of natural wood with the strength of aluminum—delivering superior insulation, durability, and timeless design for modern living.



Avora Doors - Premium Aluminum-Clad Wood System

Profile: High-performance aluminum-clad wood profile (6063-T5)

Thickness: 2.0 mm

Glazing:

- 33 mm rabbet
- Double tempered insulating glass (standard)
- Optional: Low-E glass, triple glazing, internal grille, or integrated blinds

Hardware:

- Premium German hardware: ROTO / SIEGENIA / CMECH

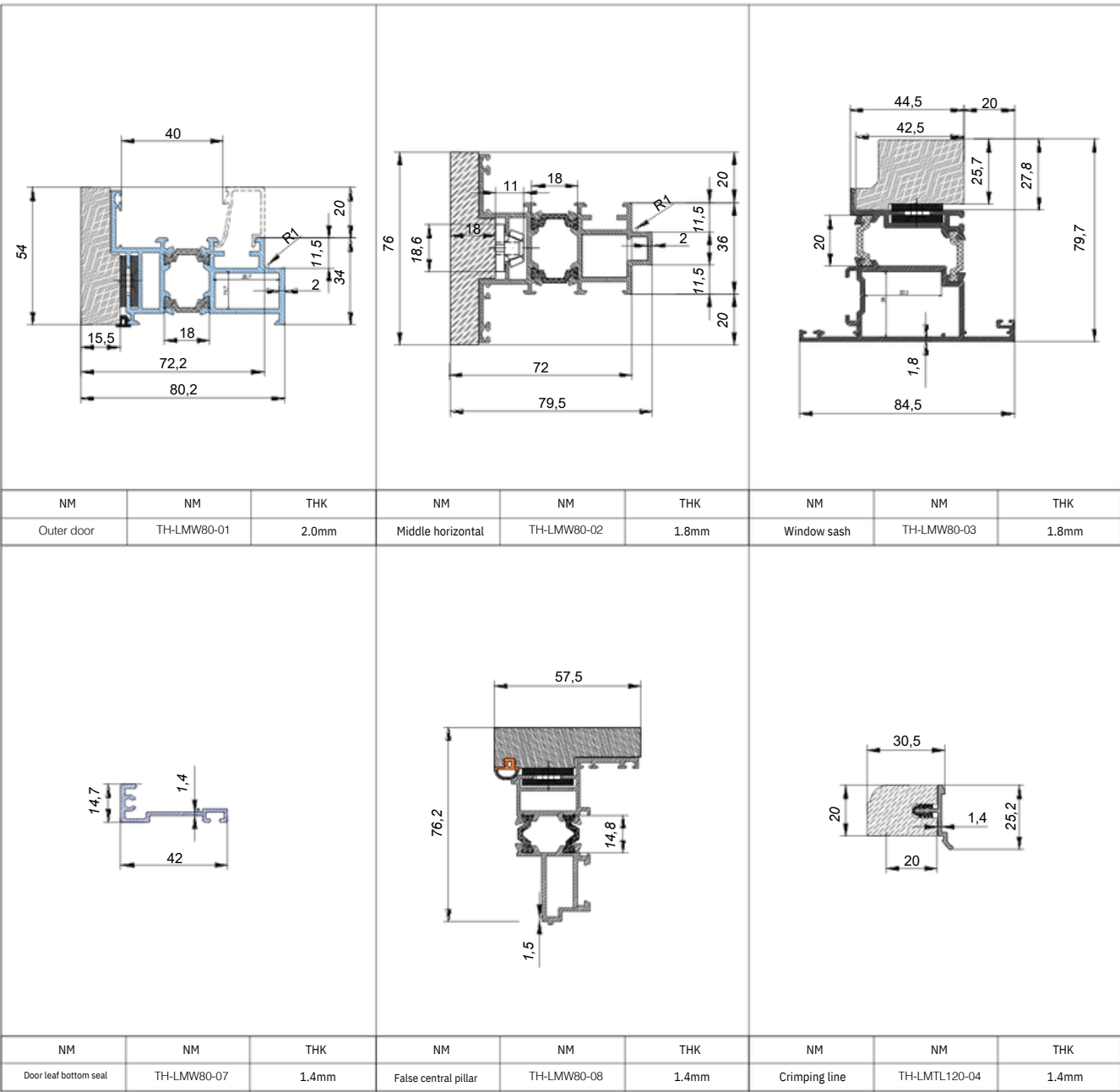
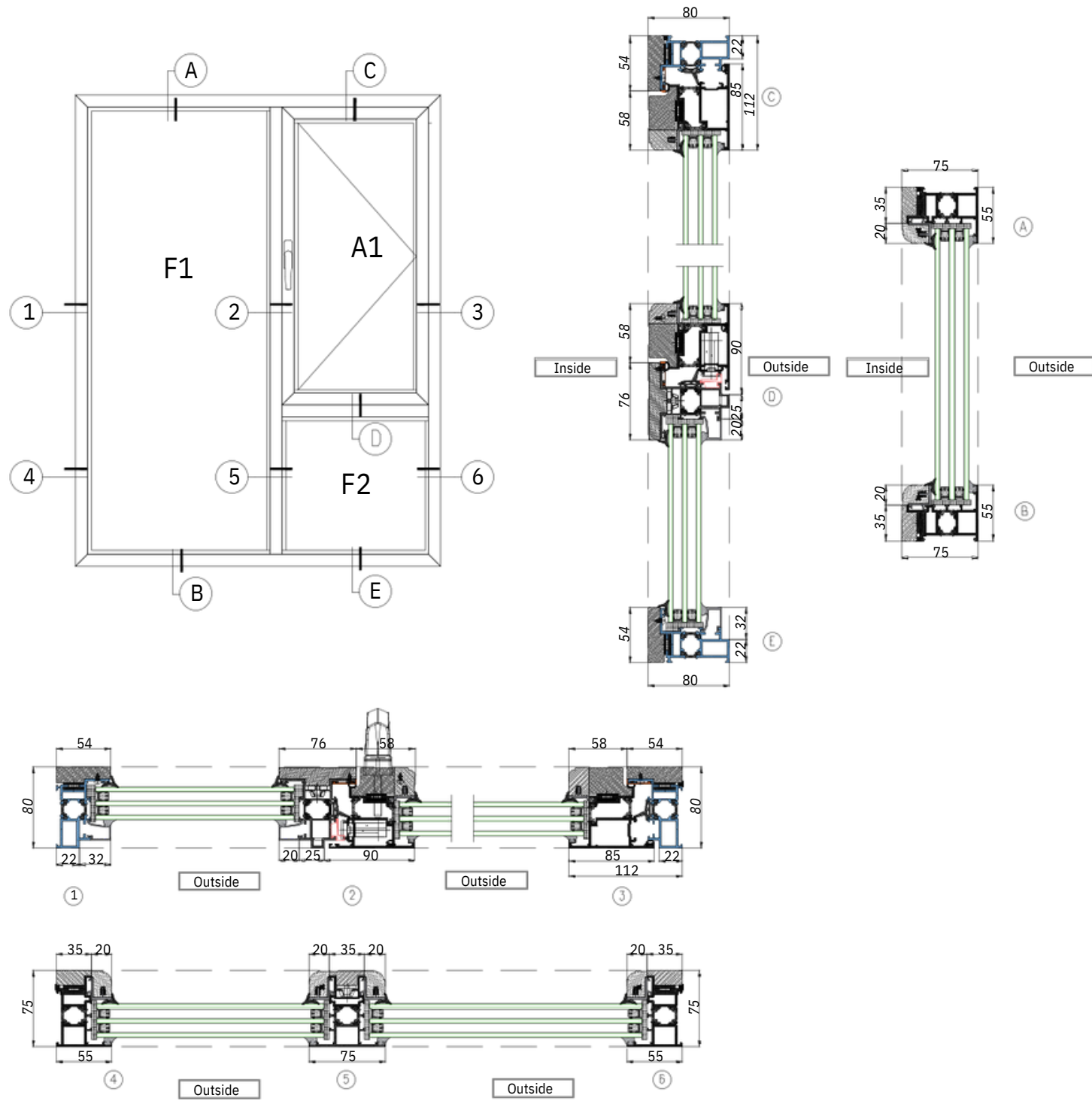
Wood Finishes:

- Standard: American Oak
- Optional: Burma Teak, Dark Walnut, Cherry Wood, Cherry Wood, Rosewood



TH-80 OUTWARD OPENING WINDOW

TH-80 OUTWARD OPENING WINDOW Profile Diagram



Product Specifications

- **Profile Thickness:** 2.0 mm (0.08")
- **Wood Panel Thickness:** 16 mm – 20 mm (0.63" – 0.79")
- **Sash Width:** 400 mm – 900 mm (15.75" – 35.43")
- **Sash Height:** 400 mm – 2600 mm (15.75" – 102.36")
- **Hardware Brand:** Italian Sterry
- **Maximum Load Capacity:** 80 kg (176 lbs)
- **Standard Glass:** 5 mm + 20A + 5 mm double-layer tempered insulating glass
- **Optional Blinds:** Magnetic control blinds or electric blinds
- **Water Tightness:** 700 Pa
- **Sound Insulation:** Rw 33 dB
- **Thermal Insulation:** Uw 1.9 W/m²K
- **Wind Pressure Resistance:** 5000 Pa



AVORA DOORS

ALUMINUM CLAD WOOD WINDOW

OUTWARD OPENING DOOR



TH 80

Engineered for performance and crafted for elegance, Avora Doors offers the perfect balance of durability, insulation, and refined natural aesthetics.

Avora Doors - Premium Aluminum-Clad Wood System

Profile: Aluminum-clad wood profile (6063-T5)

Thickness: 2.0 mm

Glazing:

- 33 mm rabbet
- Double tempered insulating glass (standard)
- Optional: Low-E glass, triple glazing, internal grille, or integrated blinds

Hardware:

- German-engineered hardware: ROTO / SIEGENIA / CMECH

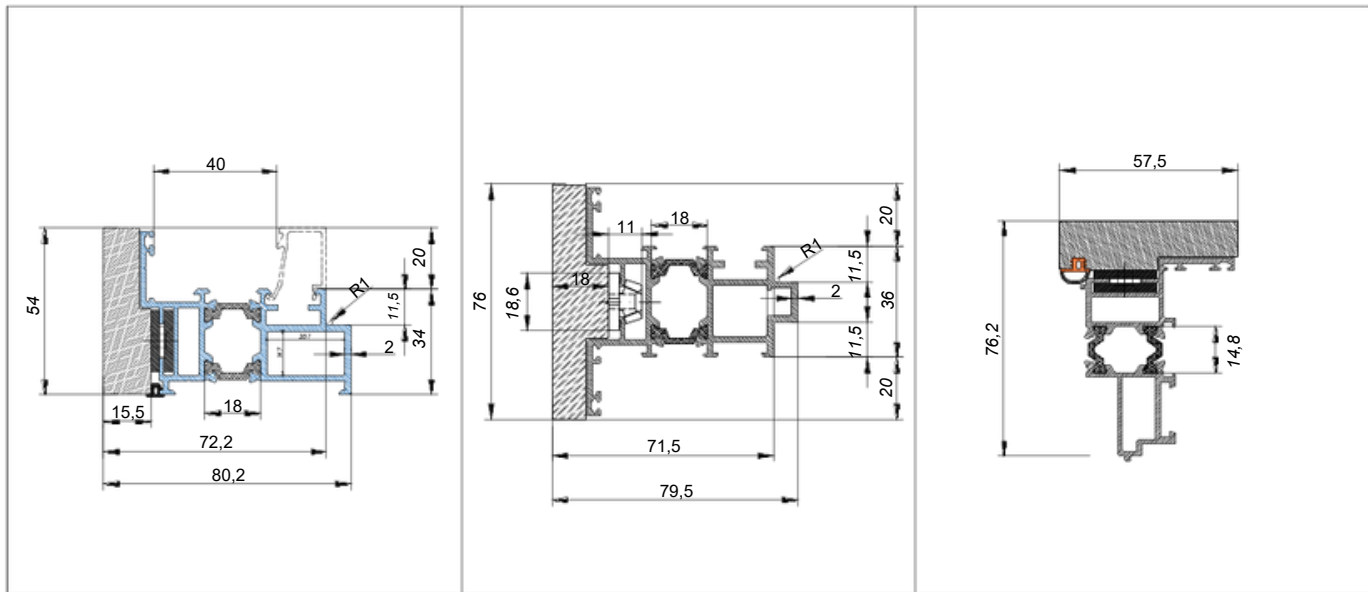
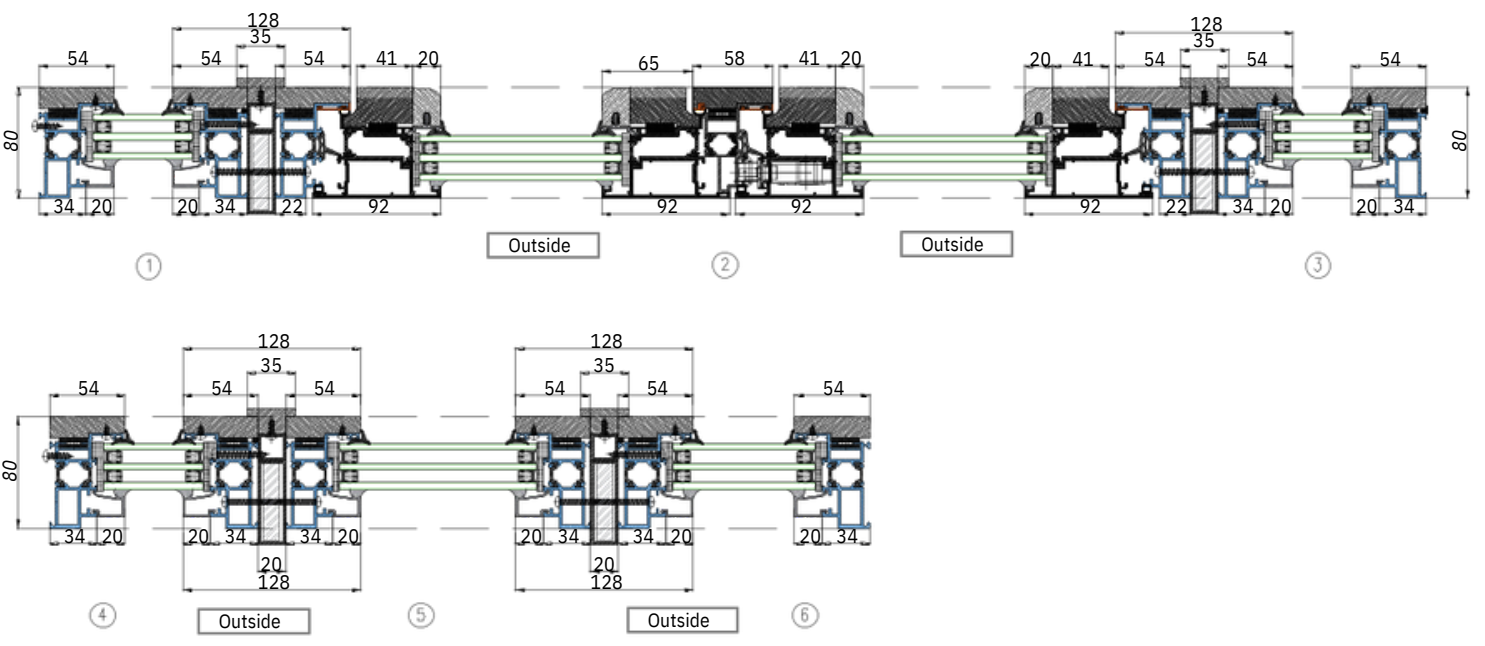
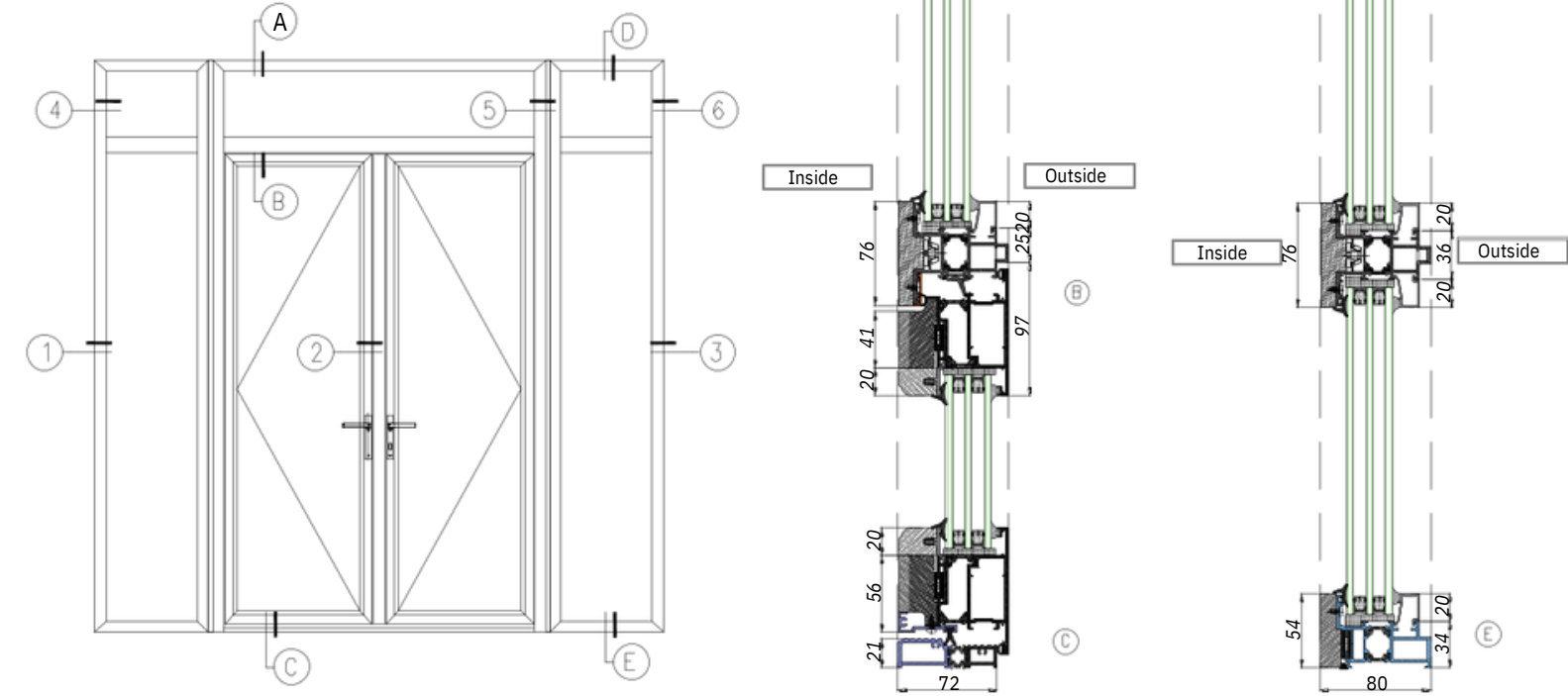
Wood Finishes:

- Standard: American Oak
- Optional: Burma Teak, Dark Walnut, Cherry Wood, Rosewood

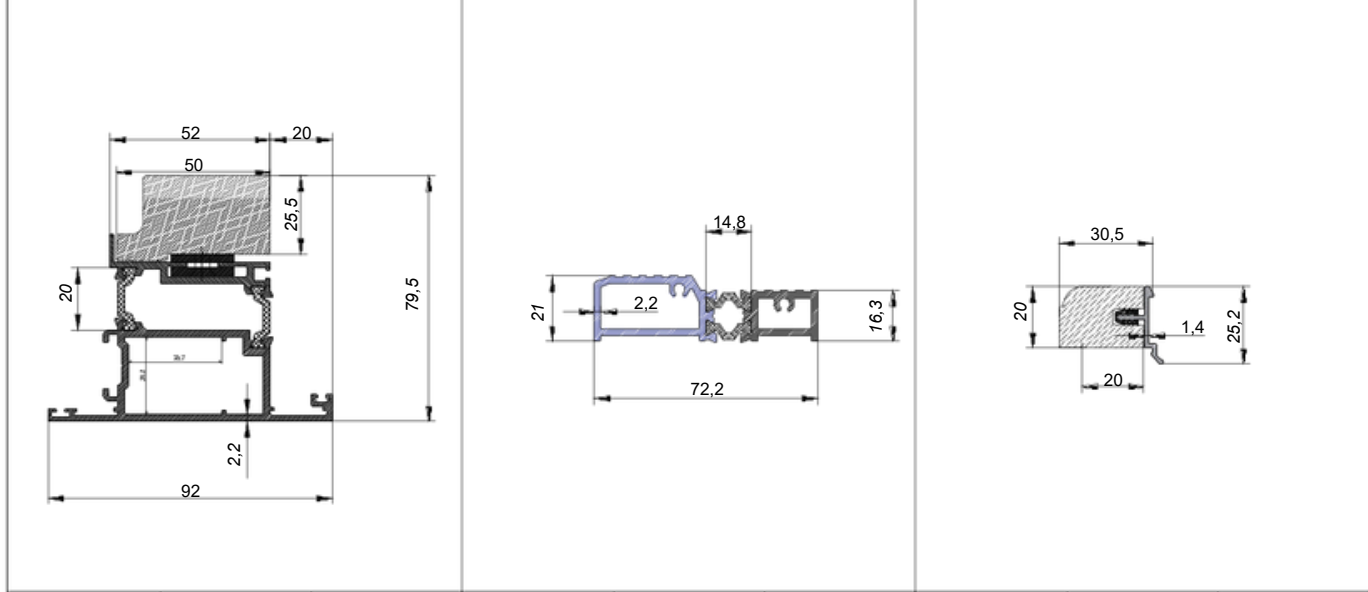


TH-80 OUTWARD OPENING DOOR

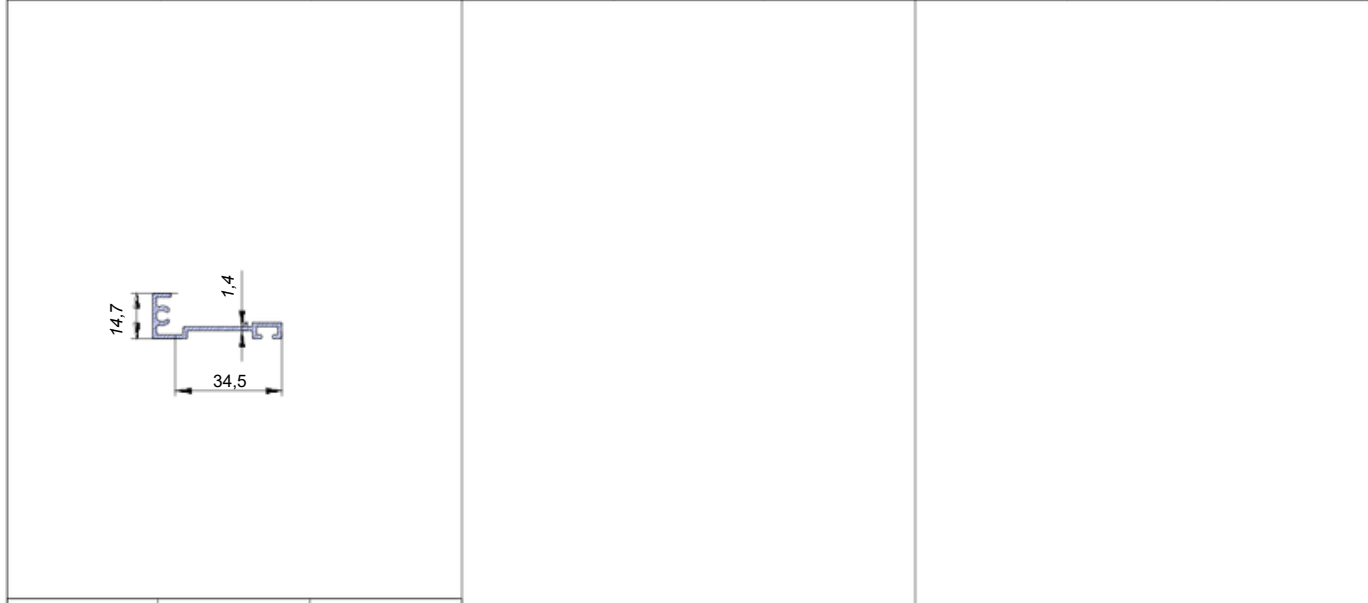
TH-80 OUTWARD OPENING DOOR Profile Diagram



NM	NM	THK	NM	NM	THK	NM	NM	THK
Outer door	TH-LMW80-01	2.0mm	Middle horizontal	TH-LMW80-02	1.8mm	False central pillar	TH-LMW80-08	1.4mm



NM	NM	THK	NM	NM	THK	NM	NM	THK
Door leaf	TH-LMW80-03M	2.2mm	Low threshold	TH-LMW80-04	2.2mm	Crimping line	TH-LMTL120-04	1.4mm



NM	NM	THK
Door leaf bottom seal	TH-LMW80-07	1.4mm

Product Specifications

- **Thickness:** 2.0 mm (0.08")
- **Wood Panel Thickness:** 16 mm – 20 mm (0.63" – 0.79")
- **Sash Width:** 400 mm – 900 mm (15.75" – 35.43")
- **Sash Height:** 400 mm – 2600 mm (15.75" – 102.36")
- **Hardware Brand:** Italian Sterry
- **Maximum Load Capacity:** 80 kg (176 lbs)
- **Standard Glass:** 5 mm + 20A + 5 mm double-layer tempered insulating glass
- **Optional Blinds:** Magnetic control blinds or electric blinds
- **Water Tightness:** 700 Pa
- **Sound Insulation:** Rw 33 dB
- **Thermal Insulation:** Uw 1.9 W/m²K
- **Wind Pressure Resistance:** 5000 Pa



AVORA DOORS

ALUMINUM CLAD WOOD SINGLE HUNG WINDOW

WITH INSECT SCREEN



TH 120

Avora Doors combines precision engineering with natural wood elegance—offering reliable performance, customizable design, and everyday comfort.

Avora Doors - Aluminum-Clad Wood System

Profile: Aluminum-clad wood profile (6063-T5)

Thickness: 1.5 mm

Glass:

- 25 mm rabbet
- Double tempered glass (standard)
- Optional: Low-E glass, internal grille
- Compatible with hollow aluminum wood decorative grille

Options:

- Insect screen available

Hardware:

- American hardware: Caldwell

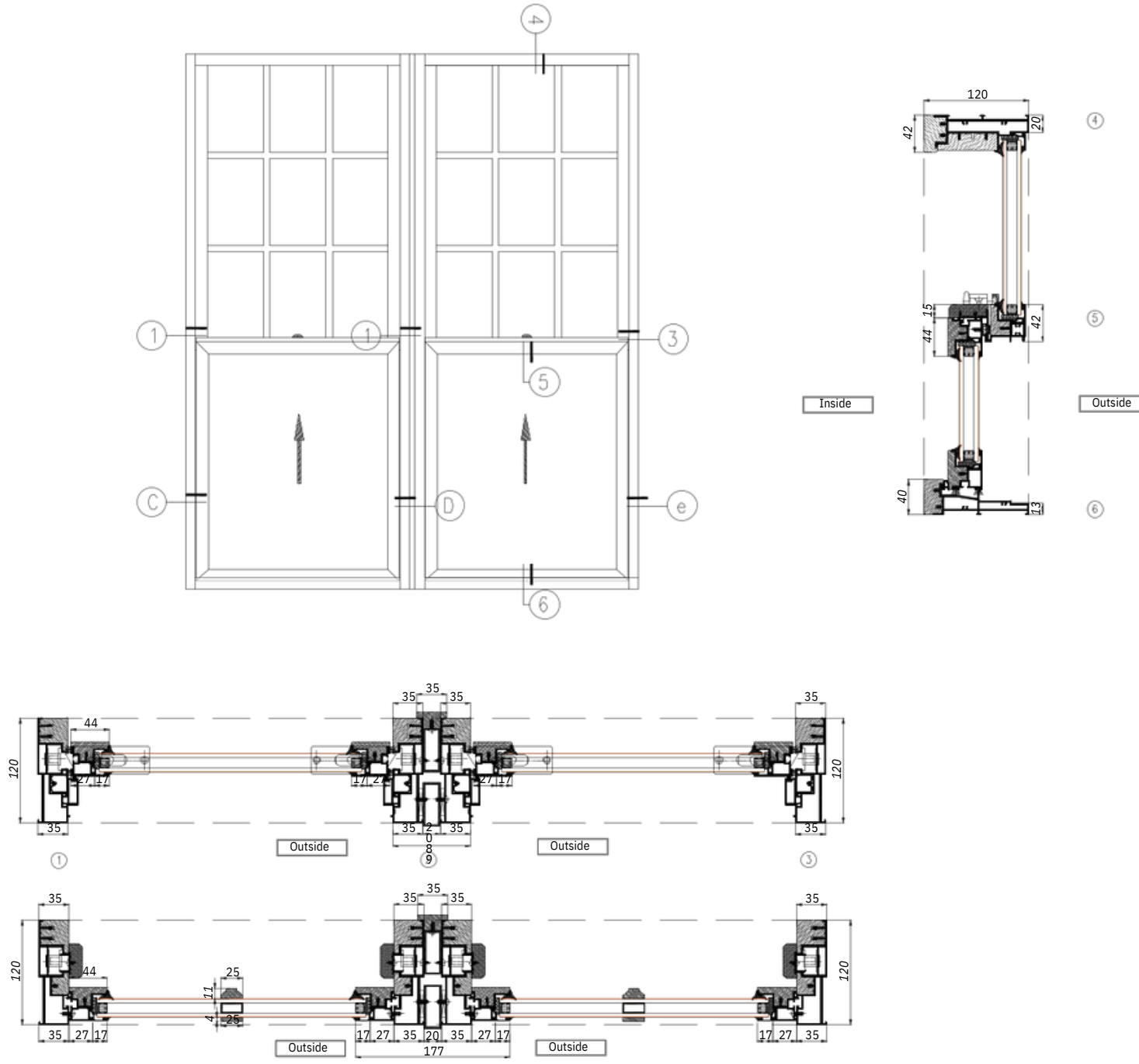
Wood Finishes:

- **Standard:** American Oak
- **Optional:** Burma Teak, Dark Walnut, Cherry Wood, Rosewood



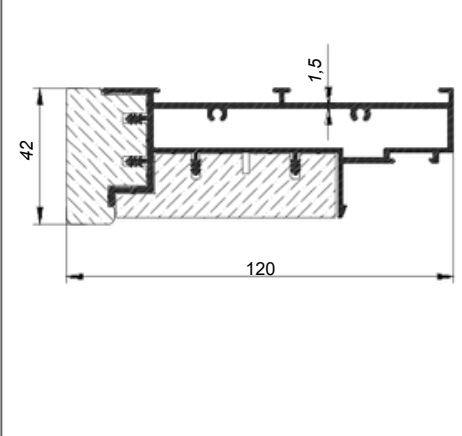
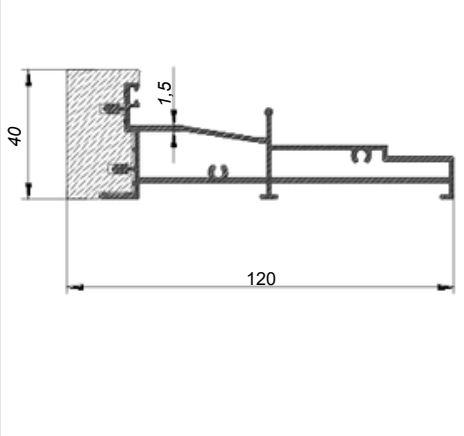
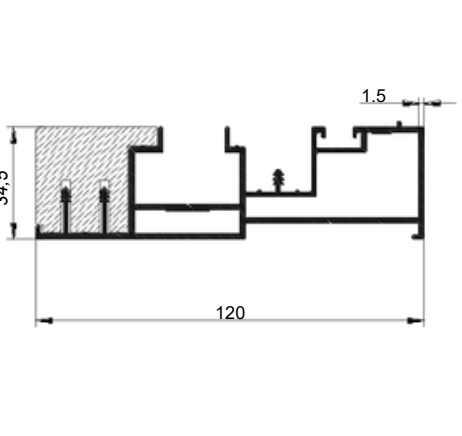
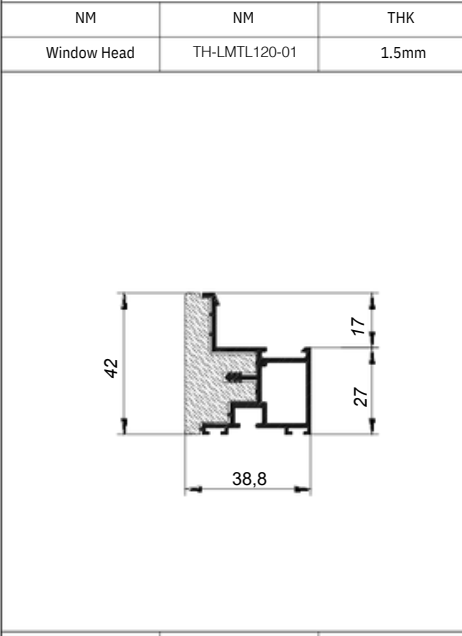
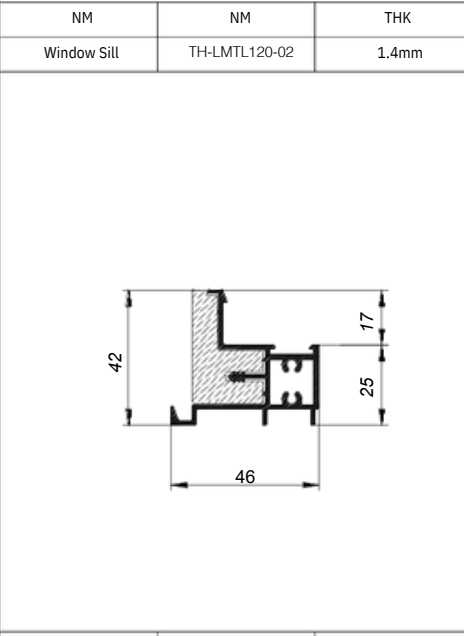
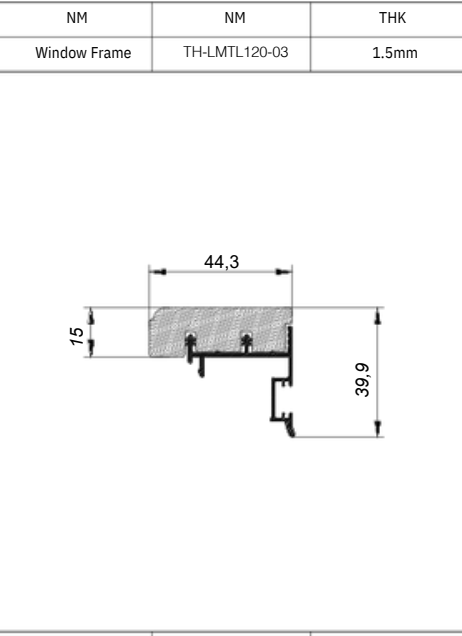
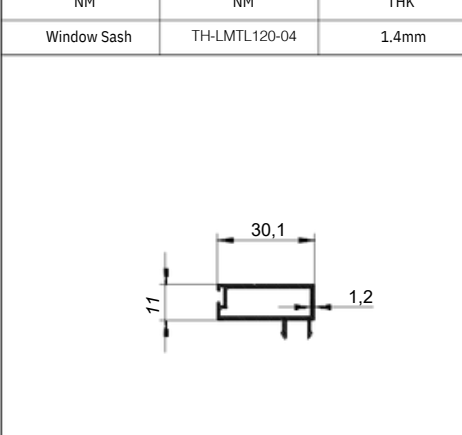
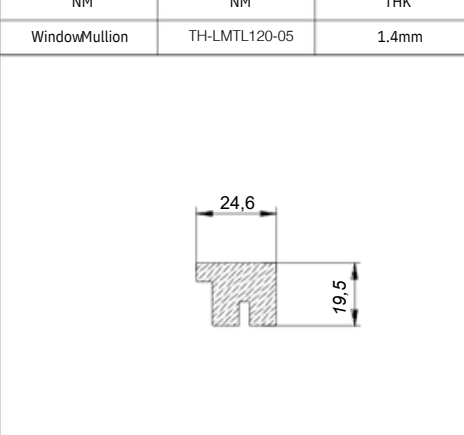
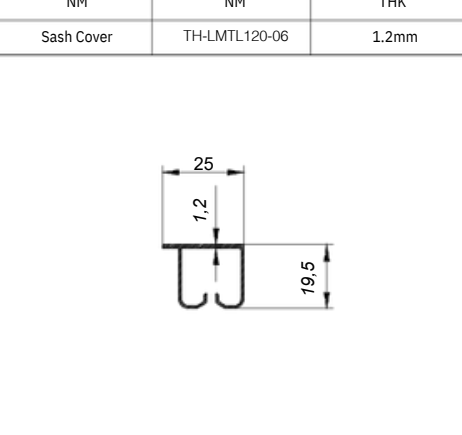
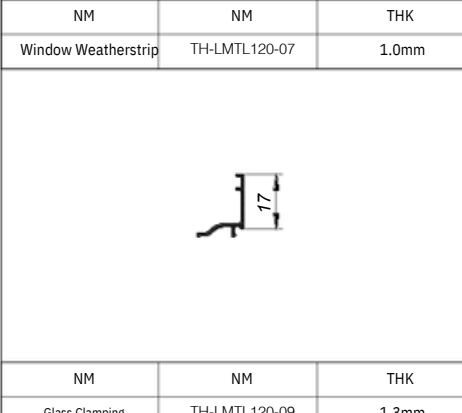
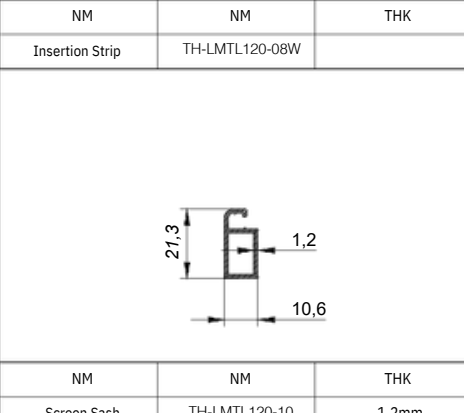
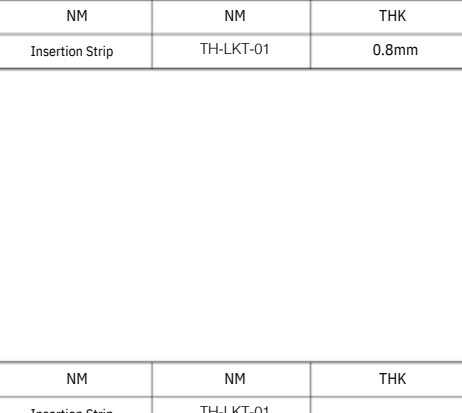
TH-120 SINGLE HUNG WINDOW

TH-120 Single Hung Window Profile Drawing



Product Specifications

- **Aluminum Profile Thickness:** 1.5 mm (0.06")
- **Wood Panel Thickness:** 21 mm – 38 mm (0.83" – 1.50")
- **Sash Width:** 400 mm – 900 mm (15.75" – 35.43")
- **Sash Height:** 400 mm – 2000 mm (15.75" – 78.74")
- **Hardware Brand:** American Kawneer
- **Maximum Load Capacity:** 35 kg (77 lbs)
- **Standard Glass:** 5 mm + 12A + 5 mm double-layer tempered insulating glass
- **Optional Configuration:** Aluminum-wood decorative grille for hollow glass
- **Water Tightness:** 500 Pa
- **Sound Insulation:** Rw 29 dB
- **Thermal Insulation:** Uw 2.2 W/m²K
- **Wind Pressure Resistance:** 4000 Pa

								
NM	NM	THK	NM	NM	THK	NM	NM	THK
Window Head	TH-LMTL120-01	1.5mm	Window Sill	TH-LMTL120-02	1.4mm	Window Frame	TH-LMTL120-03	1.5mm
								
NM	NM	THK	NM	NM	THK	NM	NM	THK
Window Sash	TH-LMTL120-04	1.4mm	Window Mullion	TH-LMTL120-05	1.4mm	Sash Cover	TH-LMTL120-06	1.2mm
								
NM	NM	THK	NM	NM	THK	NM	NM	THK
Window Weatherstrip	TH-LMTL120-07	1.0mm	Insertion Strip	TH-LMTL120-08W		Insertion Strip	TH-LKT-01	0.8mm
								
NM	NM	THK	NM	NM	THK	NM	NM	THK
Glass Clamping	TH-LMTL120-09	1.3mm	Screen Sash	TH-LMTL120-10	1.2mm	Insertion Strip	TH-LKT-01	



AVORA DOORS

THERMAL BREAK ALUMINUM CLAD WOOD

HEAVY LIFTING SLIDING DOOR WITH SCREEN



TH 160/210

Avora Doors delivers advanced thermal performance with premium materials—combining insulation, strength, and timeless wood aesthetics for superior living comfort.

Avora Doors - Thermal Break Aluminum-Clad Wood System

Profile: Thermal break aluminum-clad wood profile (6063-T5)

Thickness: 2.2 mm

Glazing:

- 33 mm rabbet
- Double tempered insulating glass (standard)
- Optional: Low-E glass, triple glazing, internal grille, or integrated blinds

Hardware:

- Premium German hardware: ROTO / SIEGENIA / CMECH

Screen:

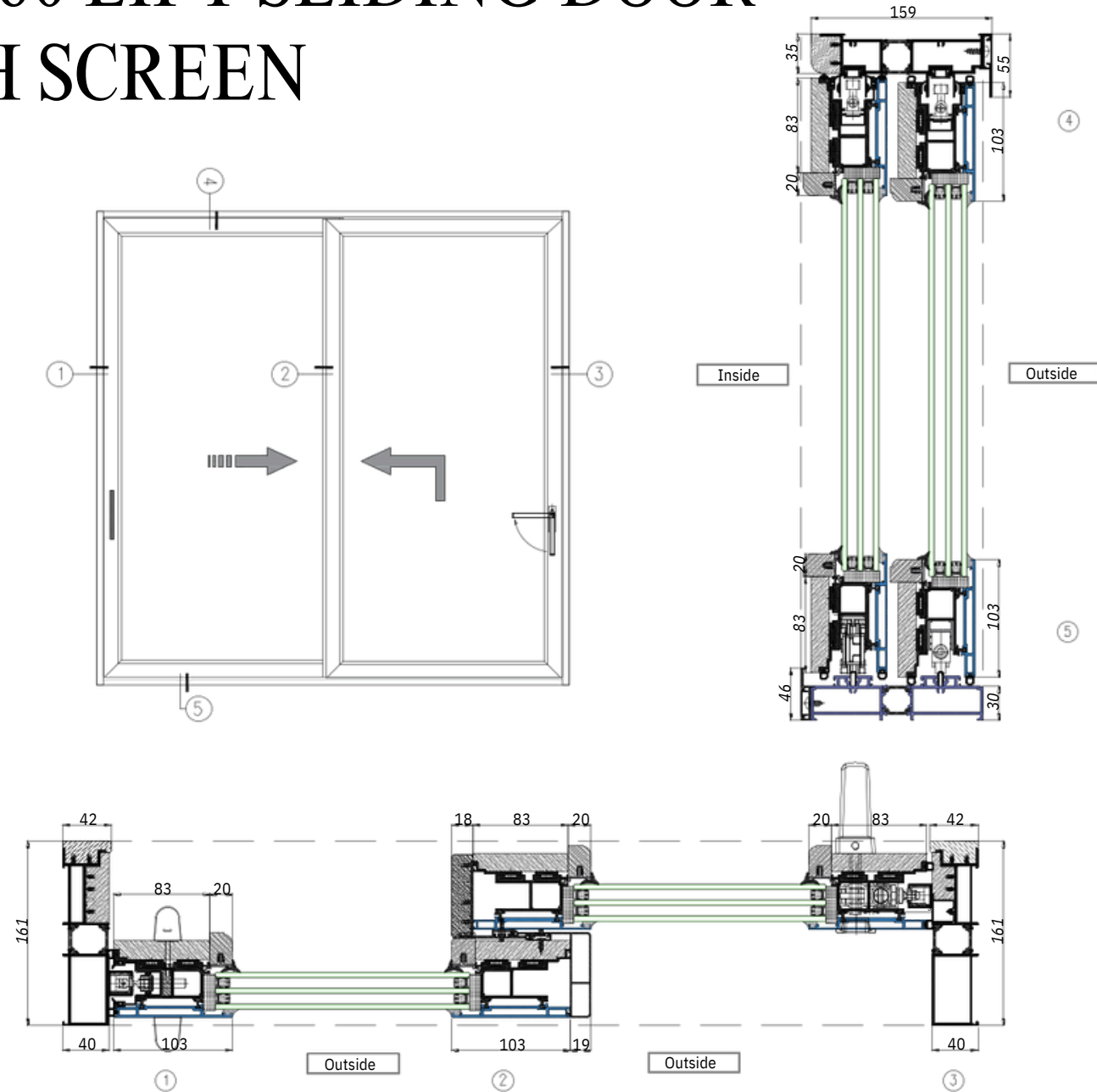
- Equipped with 304 stainless steel aluminum mesh screen

Wood Finishes:

- Standard: American Oak
- Optional: Burma Teak, Dark Walnut, Cherry Wood, Rosewood



TH-160 LIFT SLIDING DOOR WITH SCREEN



Product Specifications

- **Thickness:** 2.2 mm (0.09")
- **Wood Panel Thickness:** 16 mm – 26 mm (0.63" – 1.02")
- **Sash Width:** 600 mm – 2500 mm (23.62" – 98.43")
- **Sash Height:** 1200 mm – 3200 mm (47.24" – 125.98")
- **Hardware Brand:** CMECH (USA) / G-U (Germany)
- **Maximum Load Capacity:** 420 kg (926 lbs)
- **Standard Glass:** 6 mm + 21A + 6 mm double-layer tempered insulating glass
- **Optional Blinds:** Magnetic control blinds or electric blinds
- **Water Tightness:** 600 Pa
- **Sound Insulation:** Rw 33 dB
- **Thermal Insulation:** Uw 2.2 W/m²K
- **Wind Pressure Resistance:** 5000 Pa

LIFT SLIDING DOOR WITH SCREEN Profile Diagram

NM	NM	THK	NM	NM	THK	NM	NM	THK
Left sealing	TH-LMT160-01L	2.2mm	Right sealing	TH-LMT160-01R	2.2mm	Sliding upward	TH-LMT160-02	2.2mm
NM	NM	THK	NM	NM	THK	NM	NM	THK
Sliding downward	TH-LMT160-03A	2.2mm	Door leaf	TH-LMT160-04A	2.2mm	Wooden door latch	TH-LMT160-05	1.2mm
NM	NM	THK	NM	NM	THK	NM	NM	THK
Aluminum door latch	TH-LMT160-06	1.2mm	Sliding upward	TH-LMT120-04	1.4mm	Drive rod bracket	TH-LMT160-08A	1.4mm
NM	NM	THK	NM	NM	THK	NM	NM	THK
Door leaf clearance	TH-LMT160-09A	1.4mm	Pulley support	TH-LMT160-12A	1.6mm	Door leaf glass clamping	TH-LMW80-05	1.2mm