

UN_942

Electrical Lift with Aluminium Shaft



WHY CHOOSE THIS LIFT?

Our electrical lift UN_942 is the ideal solution for both residential and public areas, offering easy and safe access for everyone. Built with a durable aluminum shaft and high-quality materials, it ensures reliable and comfortable movement between levels, combining functionality with modern aesthetics. Thanks to its low-profile construction, it eliminates the need for a pit, while its seamless design makes it perfect for installations where space is limited.

MAIN ADVANTAGES

- Small or no pit required
- Space – efficient lift solution
- Suitable for both outdoor and indoor installations
- No separate machine room required
- Soft Start - Stop
- Silent operation
- Works with normal household electricity
- 100% reliable electric drive
- Minimal ecological footprint
- Lightweight and durable construction
- Modern design
- Easy installation

CONTACT US

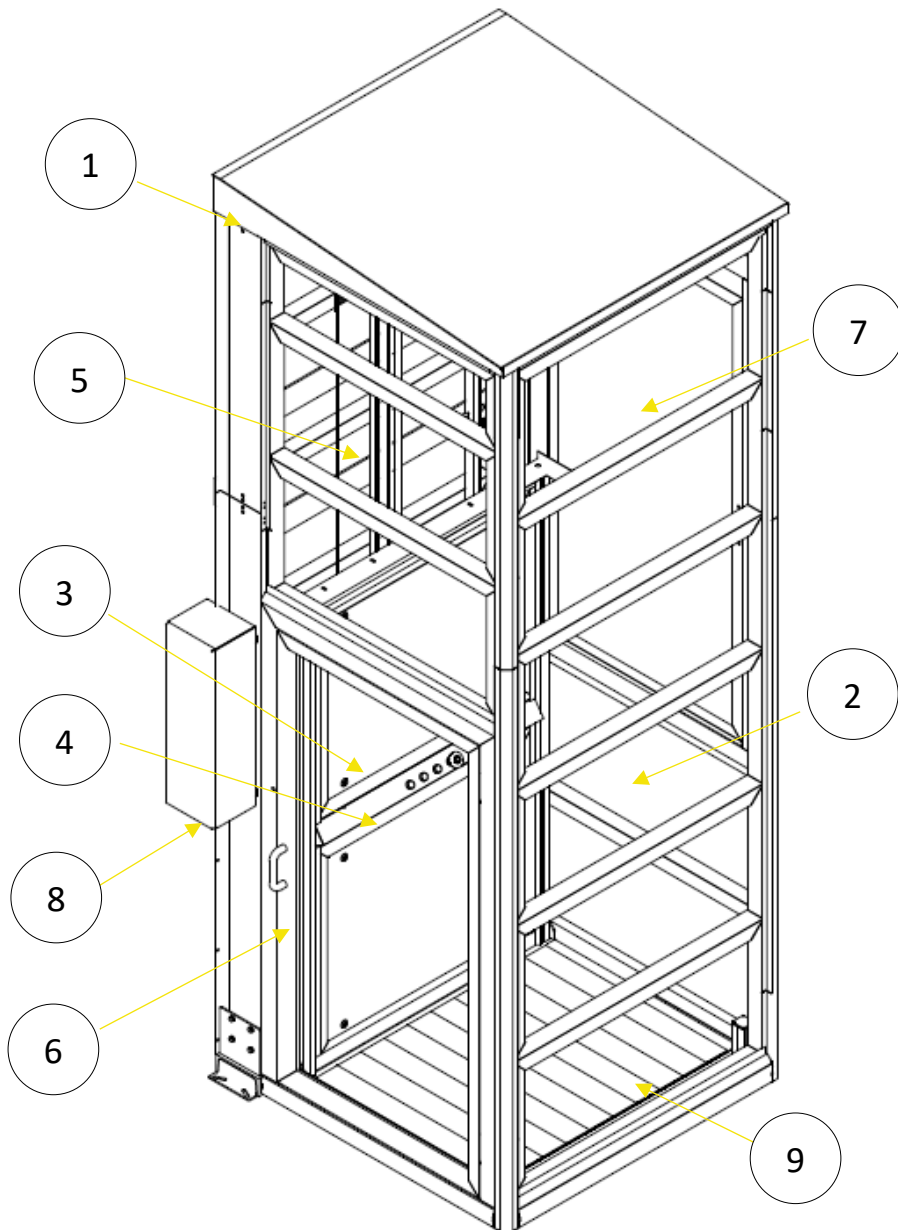
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PRODUCT DESCRIPTION

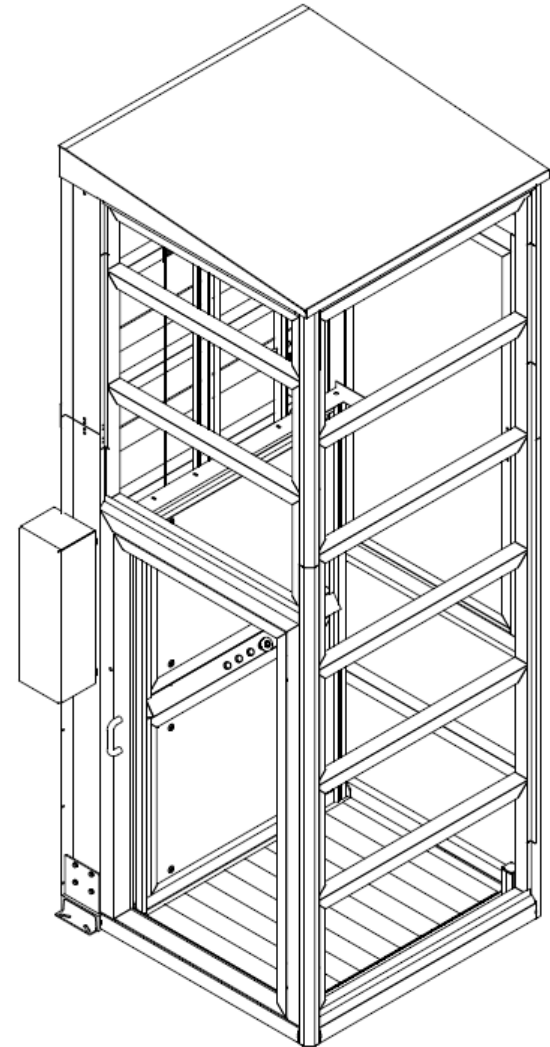


INFORMATION

1. **Aluminium Shaft with Roof:** Lightweight and durable construction, ideal for indoor or outdoor use.
2. **Panels:** Available in polycarbonate and glass to perfectly match your unique style and vision.
3. **Cabin - Height 2000mm:** Constructed from durable aluminum profiles, with integrated LED lighting, while the side facing the lifting mechanism is fitted with blind panels for added safety.
4. **Cabin Operation Panel (COP):** Ergonomically designed with clearly marked push-buttons for Up and Down, Emergency Stop, and a built-in alarm for added safety in emergencies.
5. **Drive System:** Smooth and reliable motion powered by an electric motor with a robust chain-driven mechanism.
6. **Door on the Shaft – Height 2000mm (Bottom Stop):** Full-height swing door for access at the bottom level. The door can be left or right hinged.
7. **Door on the Shaft – Height 2000mm (Top Stop)** Full-height swing door for access at the upper level. The door can be left or right hinged.
8. **Control Box:** Monitors and manages the lift's functions. It can be mounted either on the side of the mechanism or on the shaft wall, depending on your needs.
9. **Cabin Floor:** Anti-slip surface made of corrosion-resistant anodized aluminum sheet, ensuring safety and minimal wear over time.

SPECIFICATIONS

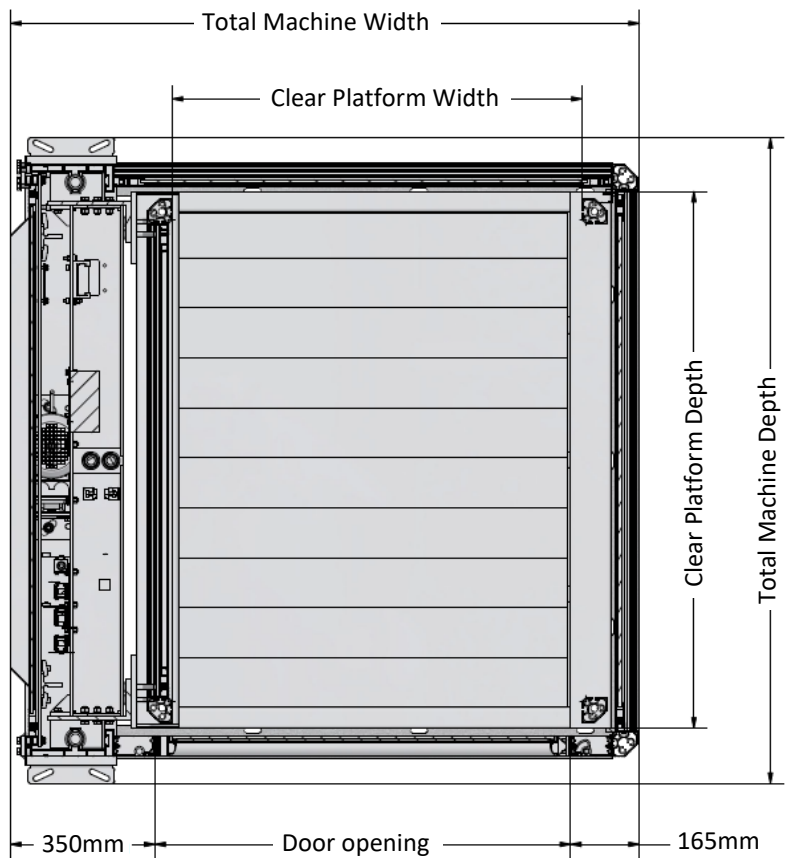
- **Rated Load:** 420 kg
- **Stops:** 2
- **Standard Platform Sizes:** Type A, B, C and D
The lift is available in 4 standard sizes to suit different space needs.
- **Platform Clear Dimensions:**
Type A: 875 x 1320 mm
Type B: 1075 x 1320 mm
Type C: 1175 x 1590 mm
Type D: 1175 x 1710 mm
- **Platform External Dimensions:**
Type A: 1310 x 1550 mm
Type B: 1510 x 1550 mm
Type C: 1610 x 1820 mm
Type D: 1610 x 1940 mm
- **Total Travel Height:** Max 9000 mm
- **Closed Machine Height - Pit Requirements:** 90 mm
- **Access configurations:** Open through, Same side, Adjacent side (90°)
- **Speed:** 0.12 – max 0.15 m/s
- **Motor:** Geared electric motor 1,5 kW
- **Metallic chain:** 2X3/4" DW 8187 12B
- **Directives and standards:** Machine Directive 2006/42/EC



STANDARD DIMENSIONS

Top View (Entrance – Exit Through 180°)

There are 4 types of standard dimensions.



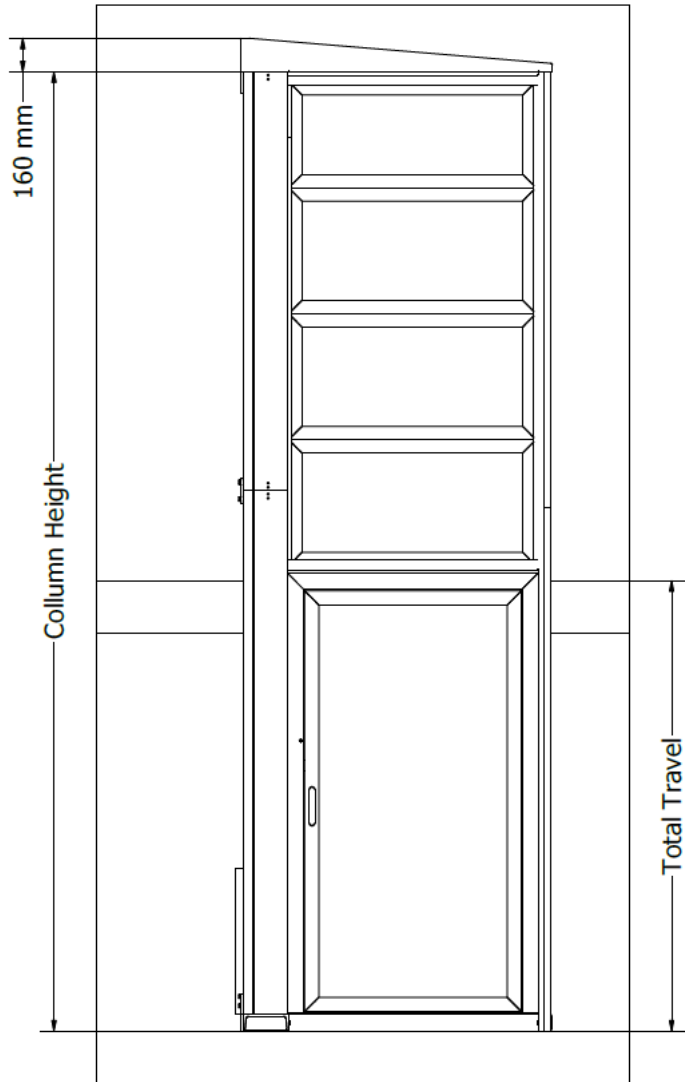
Type	Clear Platform Dimensions		Total Machine Dimensions		Door Opening
	Width	Depth	Width	Depth	Width
A	875	1320	1310	1550	800
B	1075	1320	1510	1550	1000
C	1175	1590	1610	1820	1100
D	1175	1710	1610	1940	1100

**All dimensions are given in millimeters (mm).*

Side View (Entrance – Exit Through 180°)



COLUMN DIVISION (PARTS) PER TOTAL TRAVEL

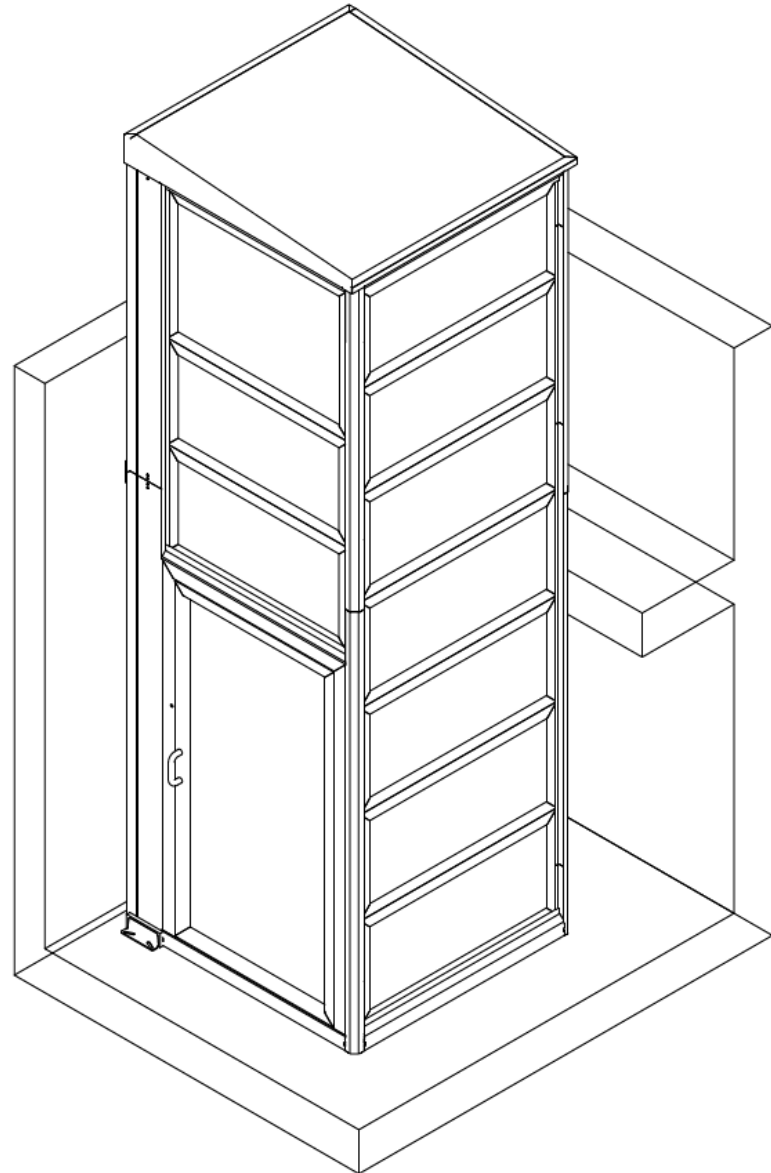
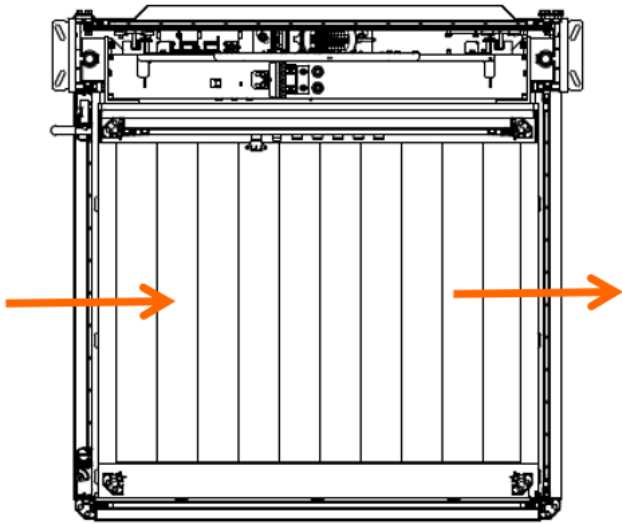


Total Travel	Column Height	Part 1	Part 2	Part 3	Part 4	Part 5	Part 6
420	2000	2000					
920	2500	2500					
1420	3000	2000	1000				
1920	3500	2500	1000				
2420	4000	2000	2000				
2920	4500	2000	2500				
3420	5000	2500	2500				
3920	5500	2000	2500	1000			
4420	6000	2000	2000	2000			
4920	6500	2000	2500	2000			
5420	7000	2000	2500	2500			
5920	7500	2500	2500	2500			
6420	8000	2000	2000	2000	2000		
6920	8500	2000	2500	2000	2000		
7420	9000	2000	2500	2500	2000		
7920	9500	2000	2500	2500	2500		
8420	10000	2500	2500	2500	2500		
8920	10500	2000	2500	2000	2000	2000	
9420	11000	2000	2500	2500	2000	2000	
9920	11500	2000	2500	2500	2500	2000	
10420	12000	2000	2500	2500	2500	2500	
10920	12500	2500	2500	2500	2500	2500	
11420	13000	2000	2500	2500	2000	2000	2000
11920	13500	2000	2500	2500	2500	2000	2000
12420	14000	2000	2500	2500	2500	2500	2000

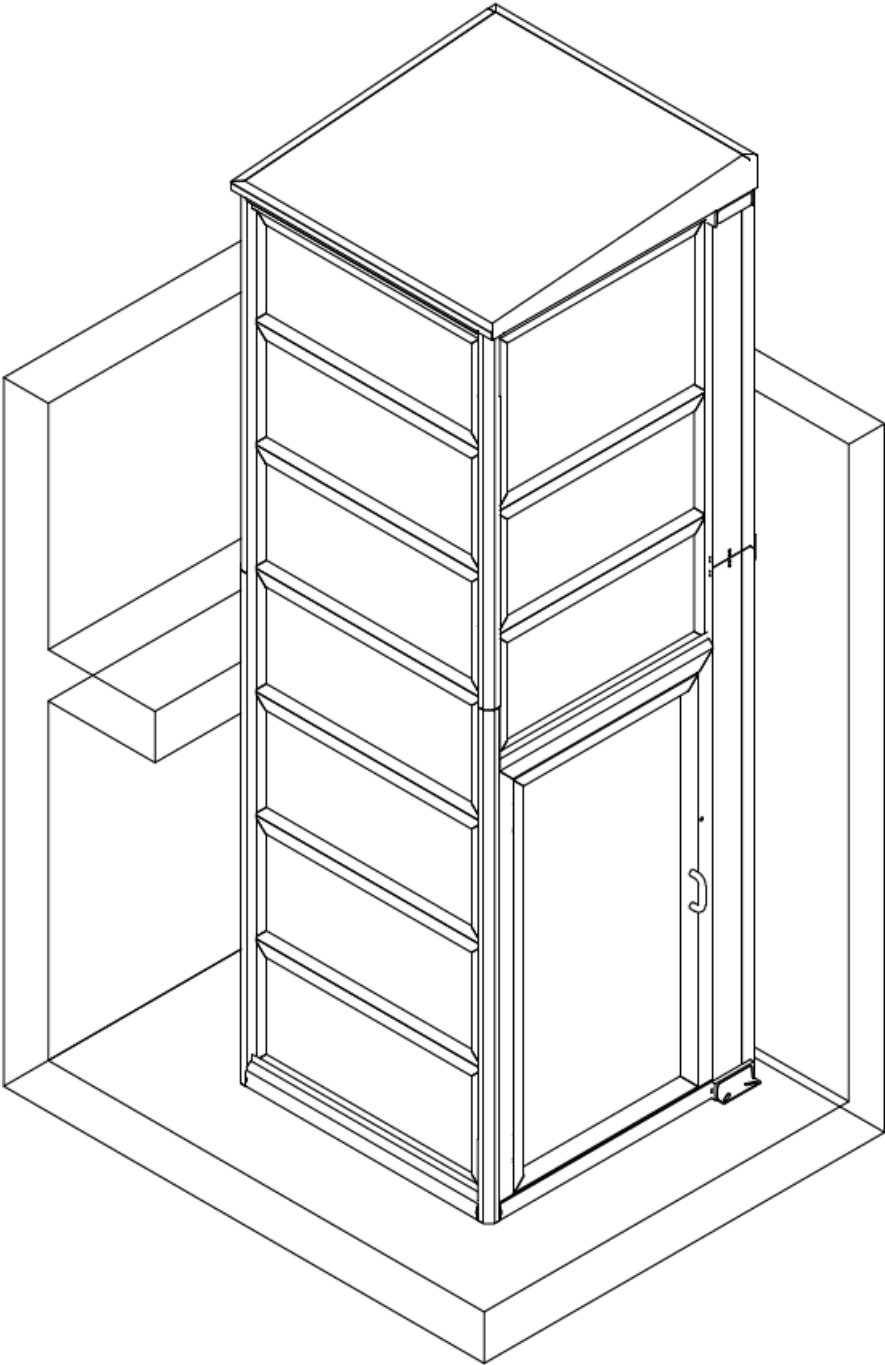
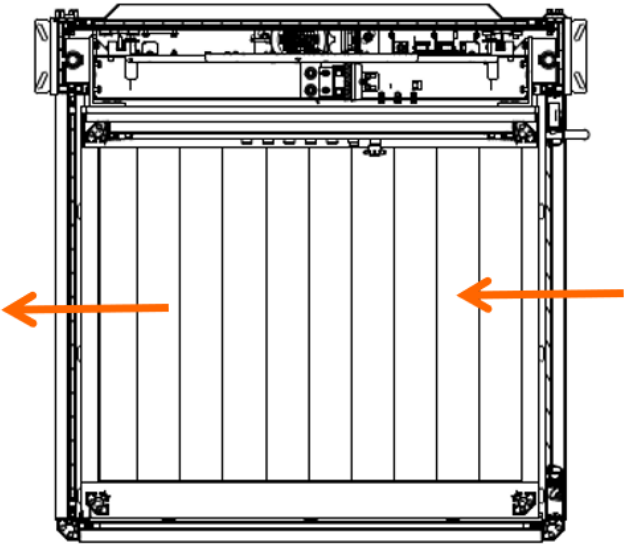
**All dimensions are given in millimeters (mm).*

LIFT CONFIGURATION - ENTRANCES, EXITS & MECHANISM POSITIONING

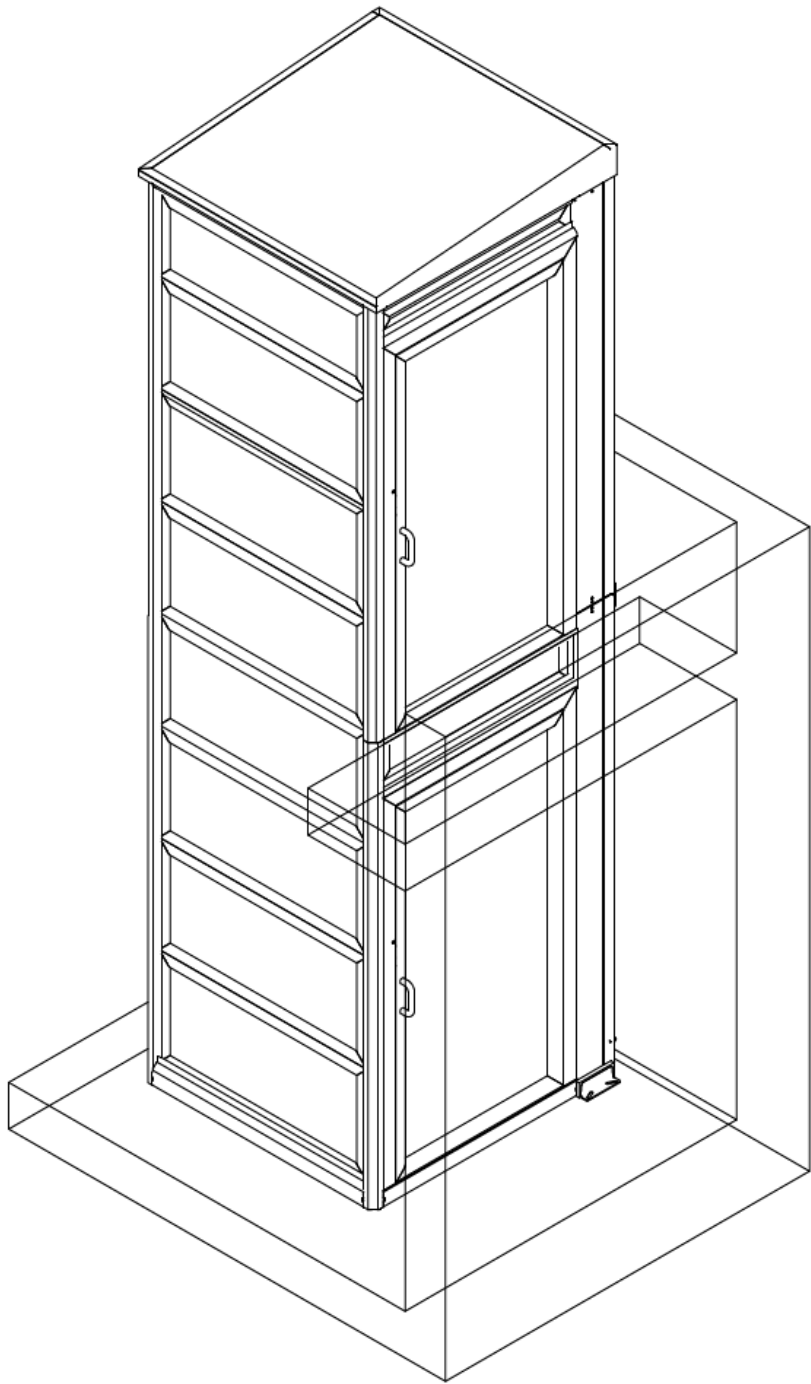
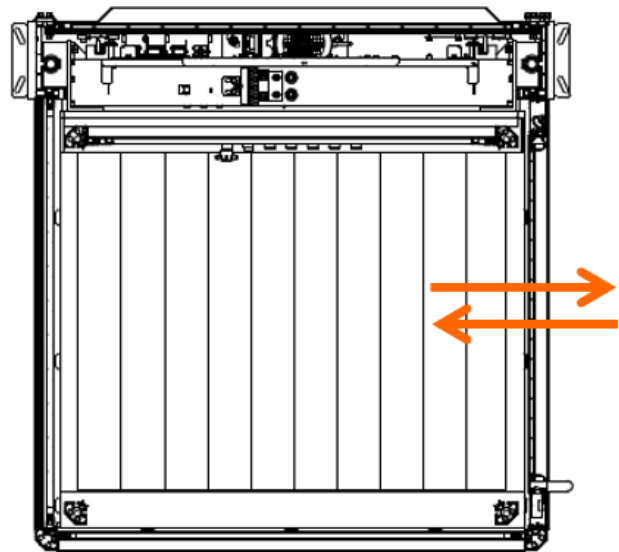
Entrance – Exit: Opposite side - Option 1



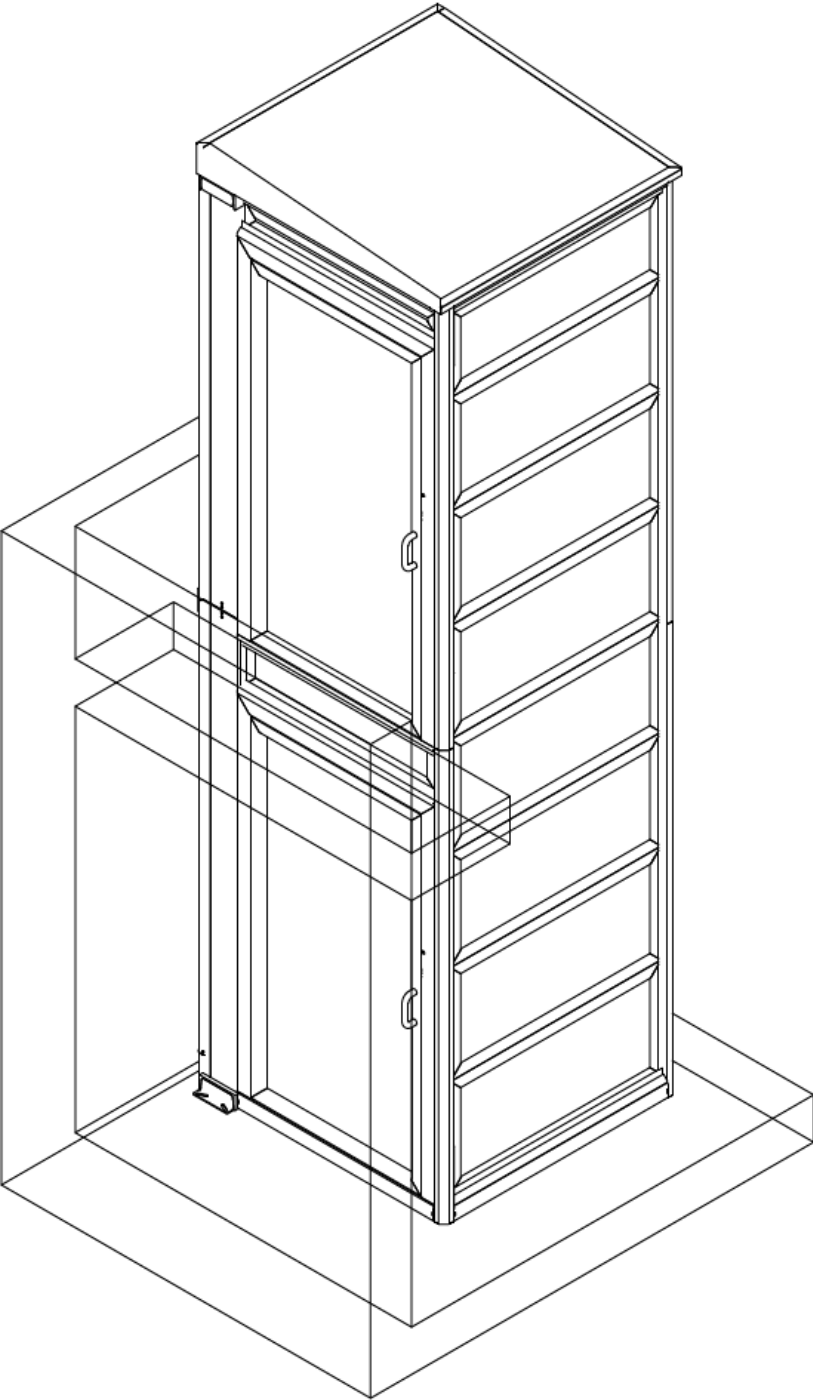
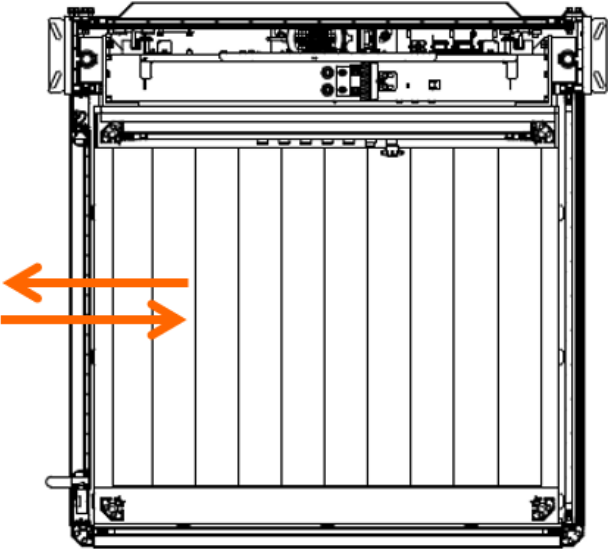
Entrance – Exit: Opposite side - Option 2



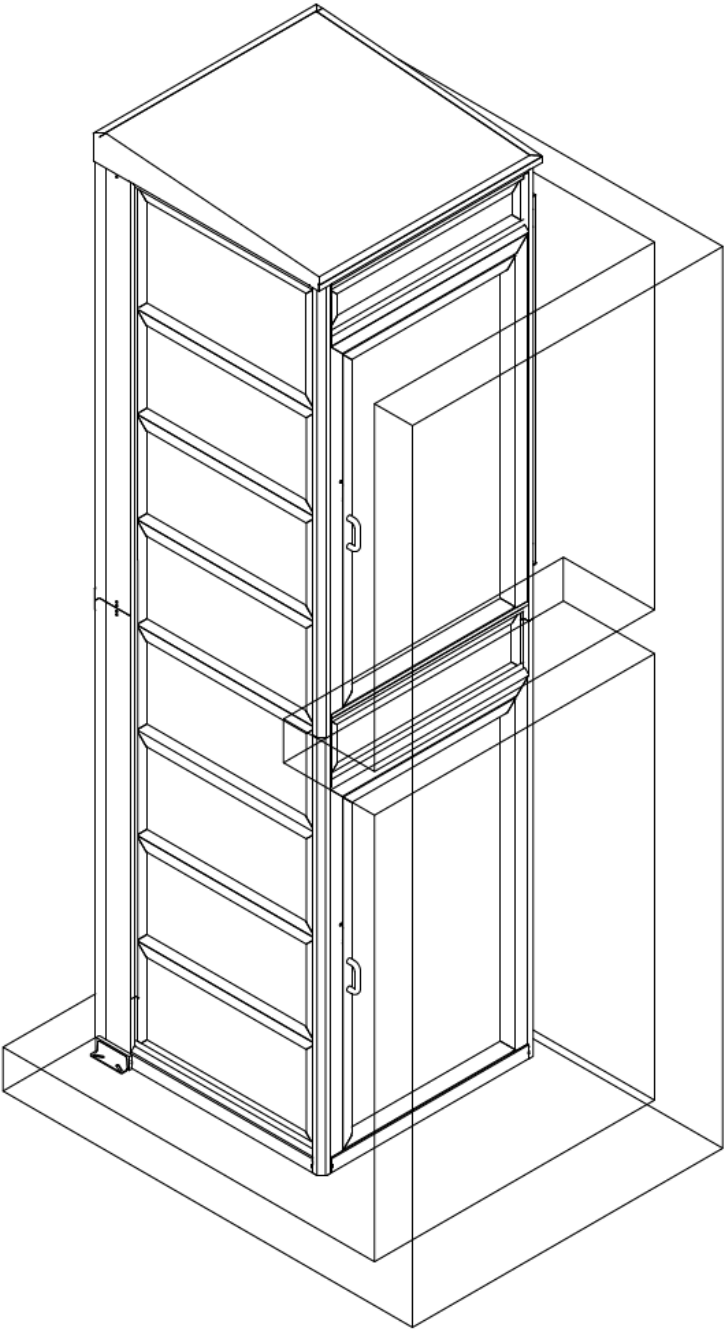
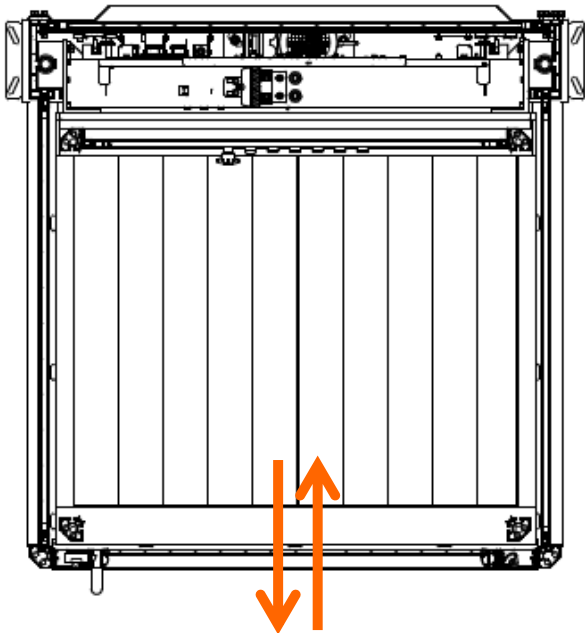
Entrance – Exit: Same side - Option 1



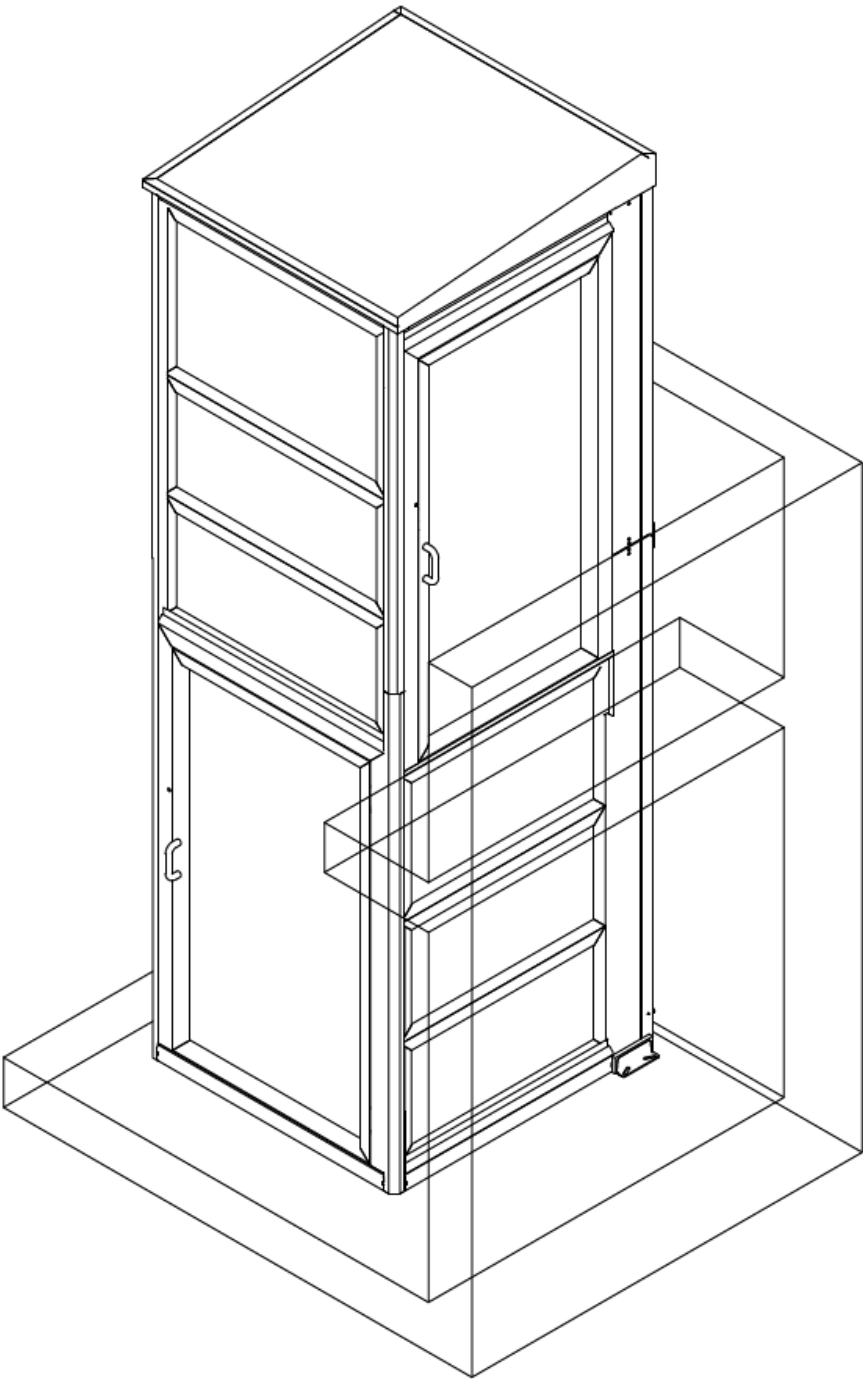
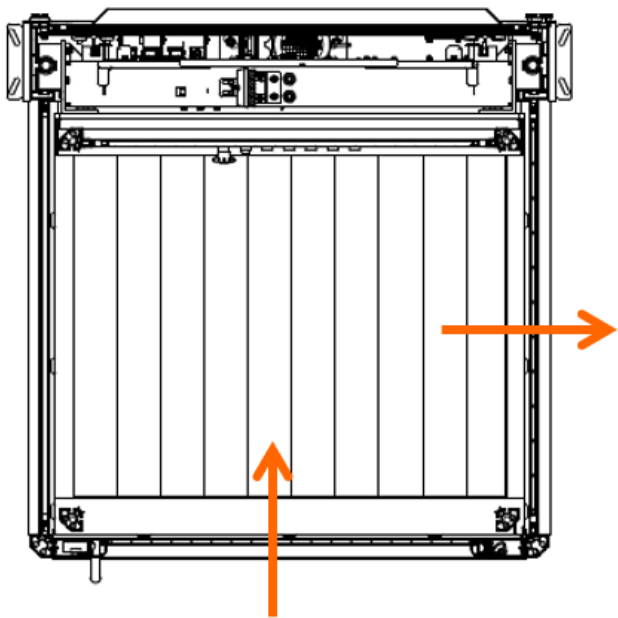
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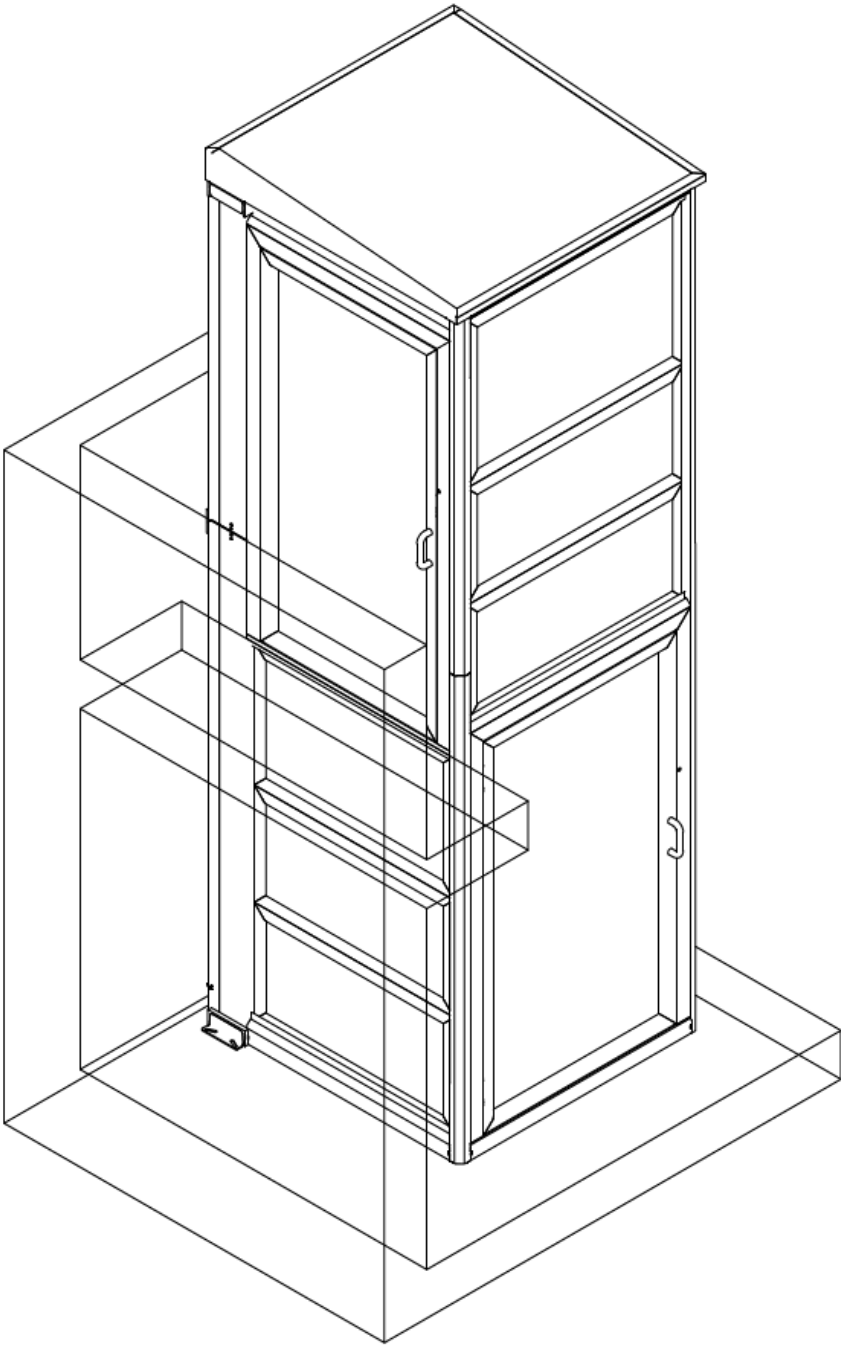
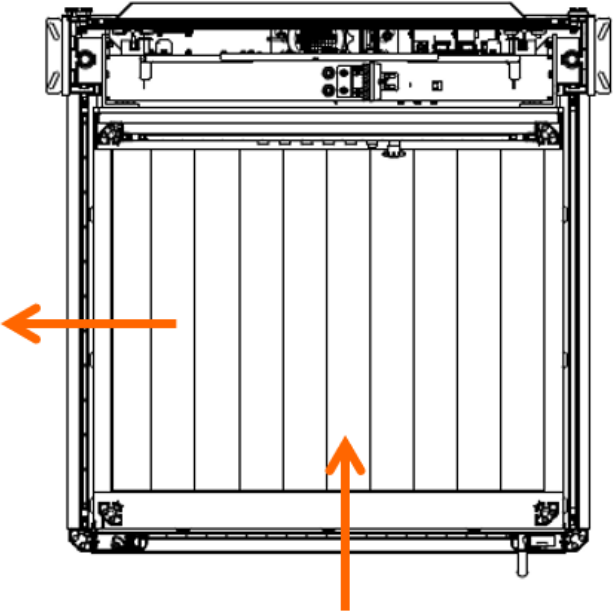
Entrance – Exit: Same side - Option 3



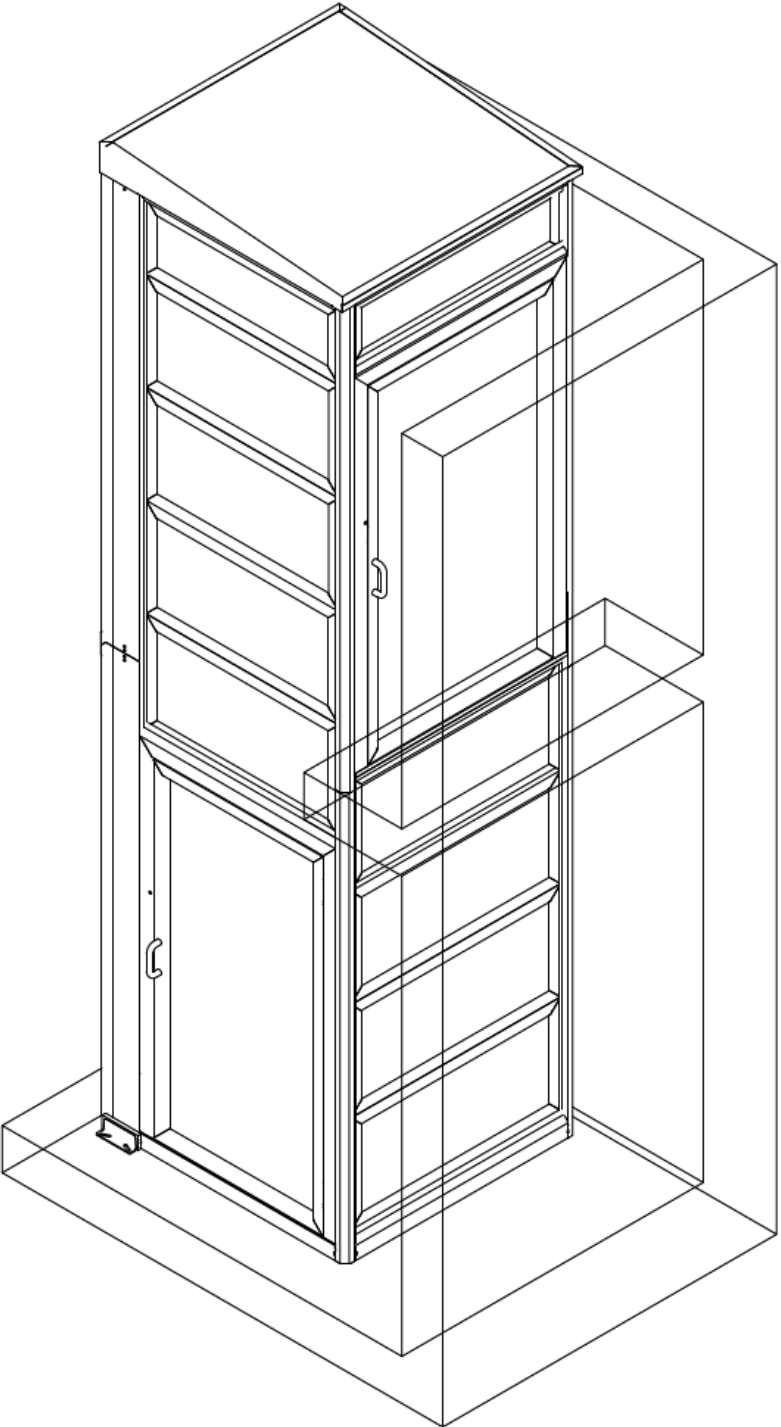
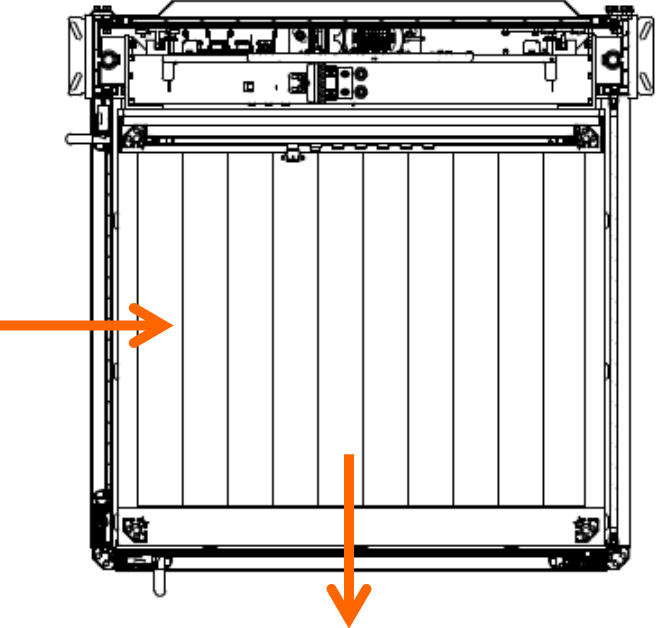
Entrance – Exit: Adjacent sides 90° - Option 1



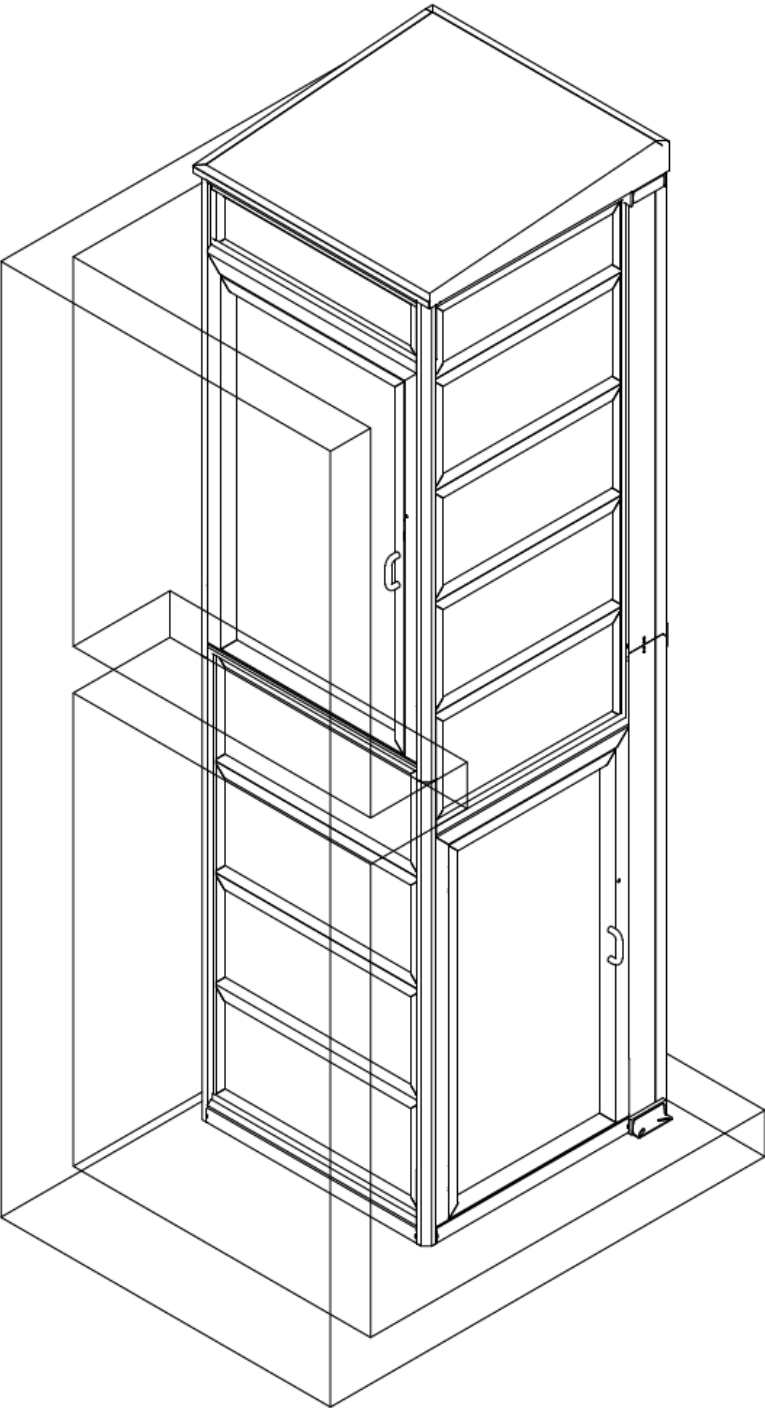
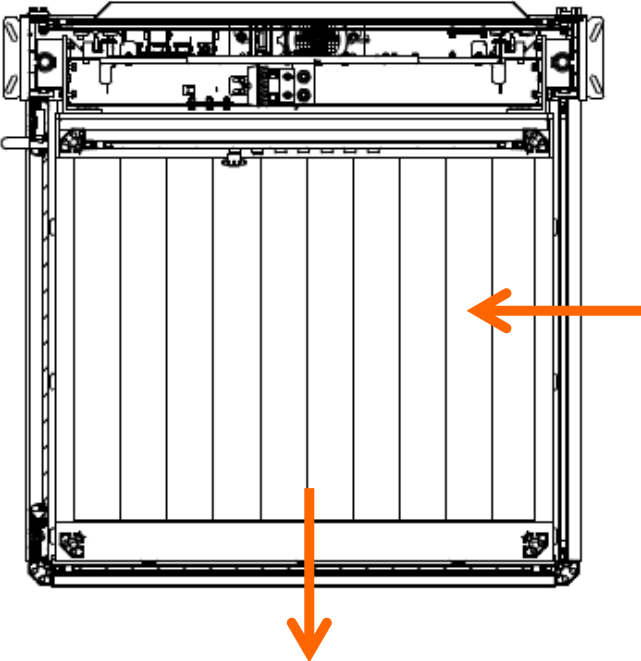
Entrance – Exit: Adjacent sides 90° - Option 2



Entrance – Exit: Adjacent sides 90° - Option 3



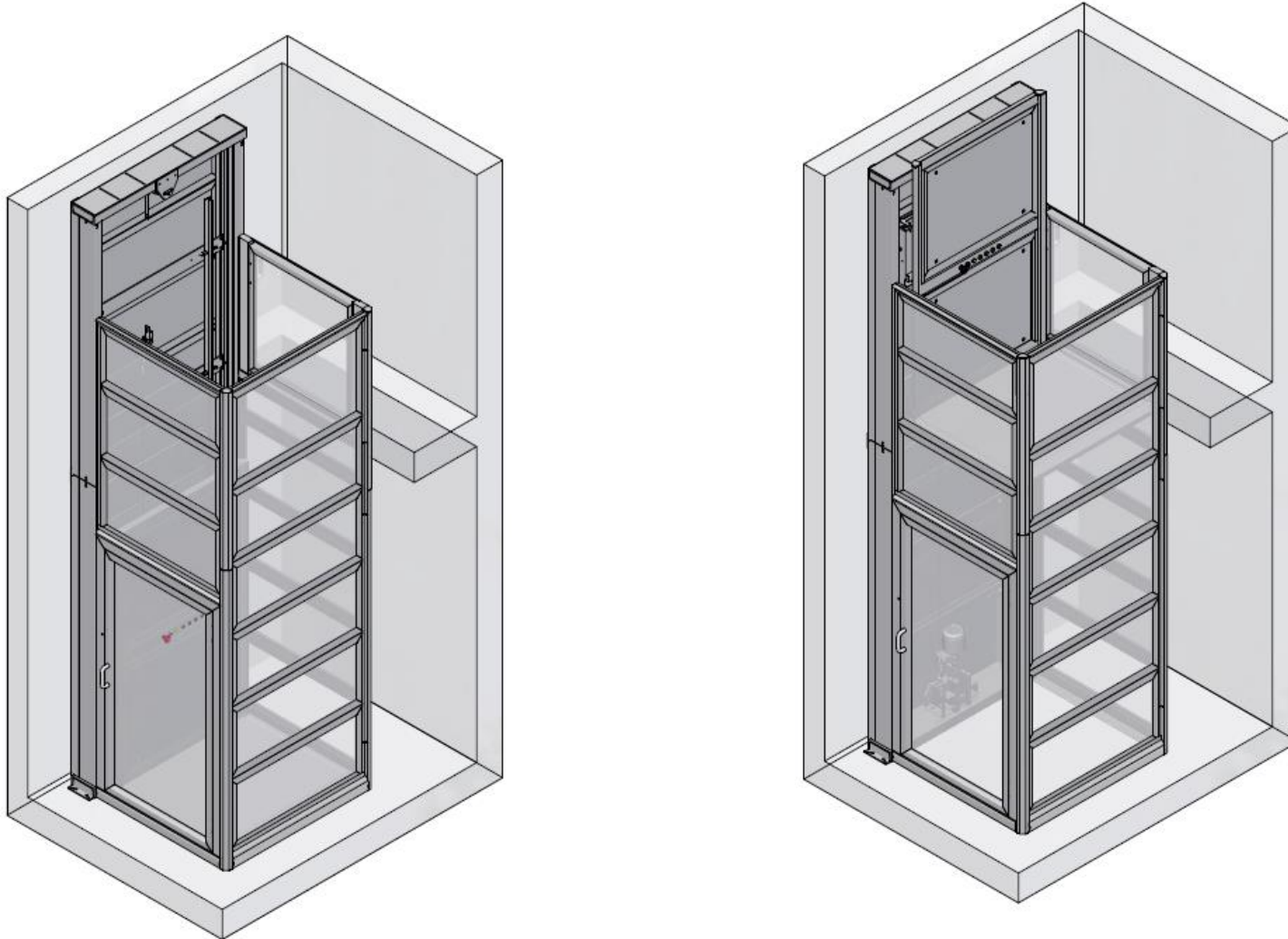
Entrance – Exit: Adjacent sides 90° - Option 4



OPEN SHAFT WITHOUT ROOF (OPTIONAL)

This option features a reduced-height shaft without a protective roof, making it ideal for areas with limited headroom where standard lifts cannot fit. This shaft configuration is intended for indoor installation.

To achieve this lower construction the upper-level door and the two sides of the shaft are lowered to a height of 1100 mm.



CABIN

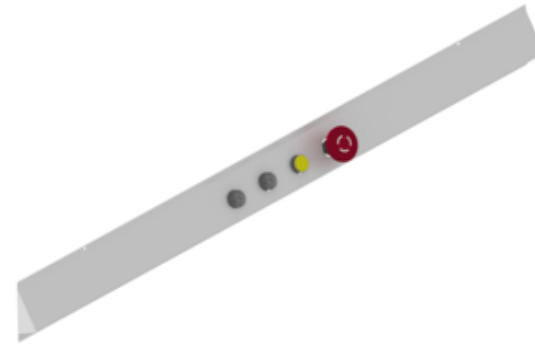
Standard Cabin H2000mm

It is available **both open and enclosed shafts**. The cabin is equipped with the mechanism side closed off, lined with a blind panel, and fitted with integrated lighting.

- Additional sides can be closed upon request. Also a controller inside the cabin is included.



CONTROL SYSTEM – COP



- **Down and Up Button** – Activates downward and upward movement of the platform. Operated by constant pressure (must be held down continuously).
- **Emergency Stop (Red Mushroom Button)** – Immediately interrupts all lift operations. Must be rotated to reactivate the system.
- **Alarm Button (Yellow with Bell Symbol)** – Sounds an alert in case of emergency.
- **Labels** – Clear and easy-to-read labels, using numbers, arrows or names in an international language to ensure user-friendly operation.

OPTIONAL

- Voice announcer
- GSM system (Emergency call system)
- Key Switch (ON/OFF with Key Inserted)
- Display with floor indicators
- Access Control System (Access card or PIN code)

LOP



LOP integrated on the doors with continuous pressure call button.

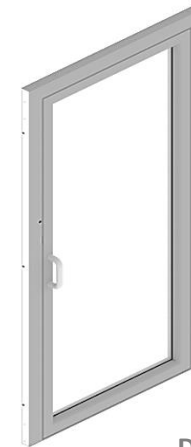
OPTIONAL

- IP65 or higher protection
- Key Switch (ON/OFF with Key Inserted)
- Display with floor indicators
- Access Control System (Access card or PIN code)

DOORS

- ✓ Single door with left or right hinged according to your needs.
- ✓ Bottom door with height 2000mm
- ✓ Top door with height 2000mm or 1100mm based on the shaft.
- ✓ Standard operation is semi-automatic.
- ✓ Optional automatic door operation
- ✓ Lining according to your desire. It can be triplex glass or polycarbonate sheet.

Door height 1100mm



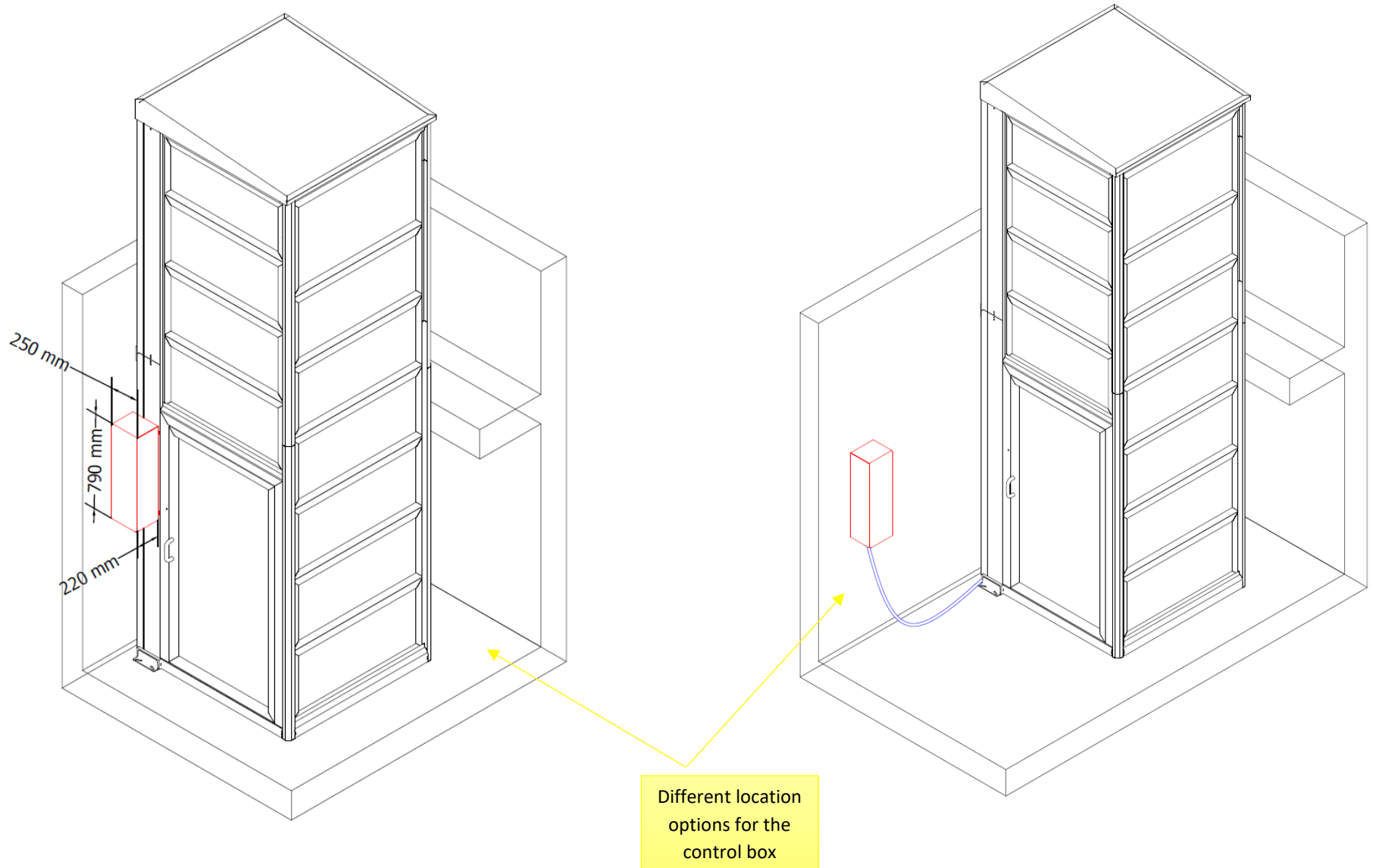
Door height 2000mm

ADDITIONAL OPTIONS & SPECIAL FEATURES

- Ramp Height 90mm
- Mirror inside the cabin
- Extra lighting options
- Battery emergency lowering device (UPS)
- Folding seat

CONTROL BOX

The control box is located on the side of the column, by default, but it can also be placed on the shaft wall upon request.



STRUCTURAL MATERIALS AND FINISH

The lift is constructed using high-quality, corrosion-resistant materials, carefully selected for their durability, strength, and aesthetic integration in both **indoor** and **outdoor environments**

- **Shaft:** Made of aluminum profiles for exceptional durability and reduced weight.
- **Cabin:** Constructed from durable aluminum profiles.
- **Cabin Floor:** Anti-slip surface made of corrosion-resistant anodized aluminum sheet, ensuring minimal wear over time.
- **Standard Finish: NEOKEM AMMOS 7040**



Click on the following link for more details:
<https://neokem.eu/en/ammos-collection-details/>

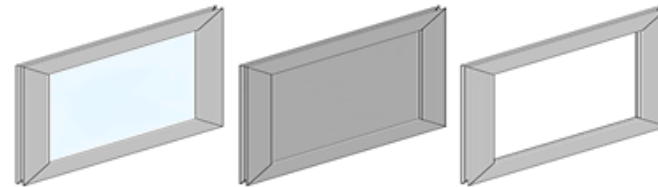
**Other RAL colours are
available upon request**



SHAFT, DOOR AND CABIN LAYERING

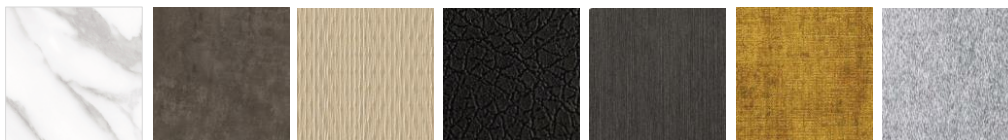
There are many available options for the layering of the shaft and the doors tailored to your requirements and preferences:

- **Triplex Glass** (other glass options are available upon request)
- **Polycarbonate Sheets - Milky White**



For the cabin interior, the following coverings are available:

- **Blind panels**
- **Self-adhesive architectural films** – available in a wide selection of realistic finishes such as wood, metal, stone, and more



**Interested in more options?
Just ask for our catalog!**

Important Note!

The mechanism side of the shaft is always covered with blind panels, offering safety and complete coverage of all mechanical components.

SAFETY FEATURES

Hold-to-Run Buttons – Ensures movement only while the button is pressed.

Electromechanical Door Locks – Keeps doors securely closed during operation.

Anti-Slip Floor – Provides a stable, non-slip surface for user safety.

Photocells on the 3 Cabin Sides – Detect obstacles and enhance passenger safety.

Handrail in the Cabin – Provides extra support and stability for passengers.

Ventilation – Provides fresh airflow inside the shaft.

Emergency Stop Button – Instantly stops the lift in case of an emergency.

Electronic engine control - Inverter – Ensures Soft start and stop

Overload Protection – Stops operation if the lift exceeds weight limits.

Safety Gears – Instantly stops the platform if the chain fails.

Manual descend – Lowering the lift manually, in case of a power failure or emergency.

Battery Operated Evacuation - UPS (optional) – Allows safe descent during a power failure.

Overspeed Governor – Prevents the lift from exceeding its speed limit, instantly stopping the platform if triggered.

Terminal Switches – Ensure precise stopping at each landing and automatically stop the lift at the upper to prevent overtravel.

Electronic Engine Control (PCB) – Ensures precise and reliable operation of the lift through advanced control technology.

CONSTRUCTION REQUIREMENTS

Pit Requirements

- **Minimum Pit Depth:** 60mm
- **Flat, level surface** with proper drainage to avoid water accumulation.

Shaft Requirements

- **A shaft is not required**
- The machine can be **mounted directly to the existing building**.

Load - Bearing Surface

- The base must be capable of supporting the total load (rated load + lift self-weight), up to a maximum of **1500 kg**.
- **A concrete base** is recommended for durability and stability.

Accessibility Provisions

- **Ramp** if there's no pit (optional but useful).
- **Clear access path** to the platform, without obstructions.

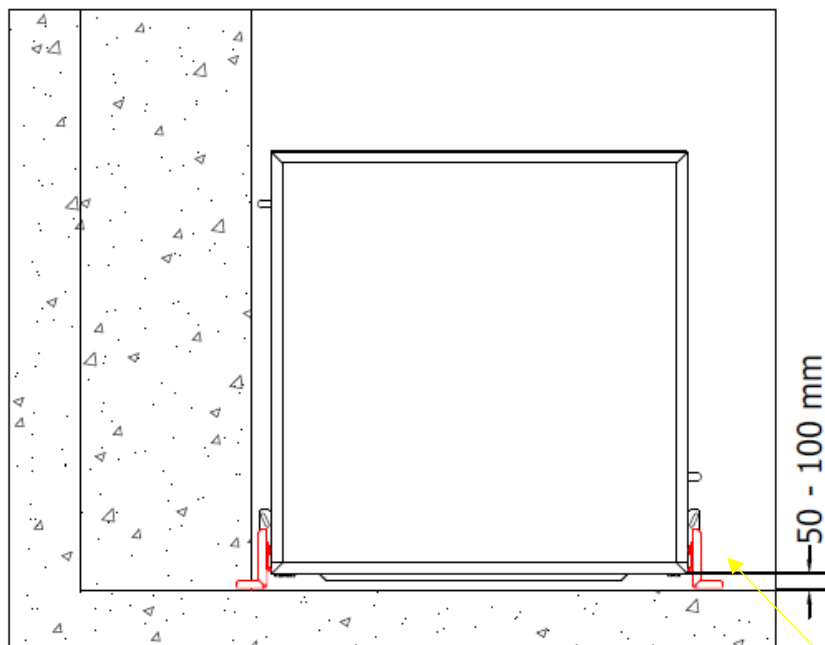
ELECTRICAL REQUIREMENTS

- **Power Supply:** 220V (1-phase), (1.5kW)
- **Current Operation:** 16A
- **Main Required Fuse:** 1 x fuse 16 A (slow) or circuit breaker 1 x 16 A (trigger characteristic K or C)

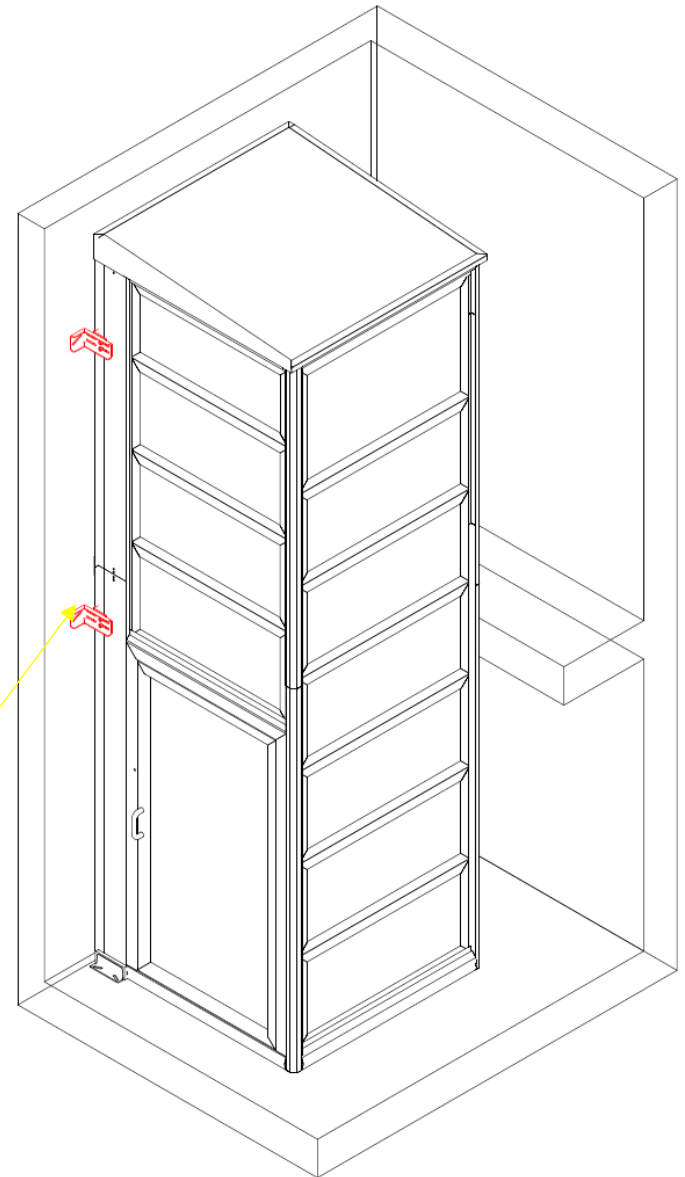
MACHINE SUPPORT

The machine can be mounted either directly on the wall or in case there is no wall by a triangle support.

Standard Wall Support

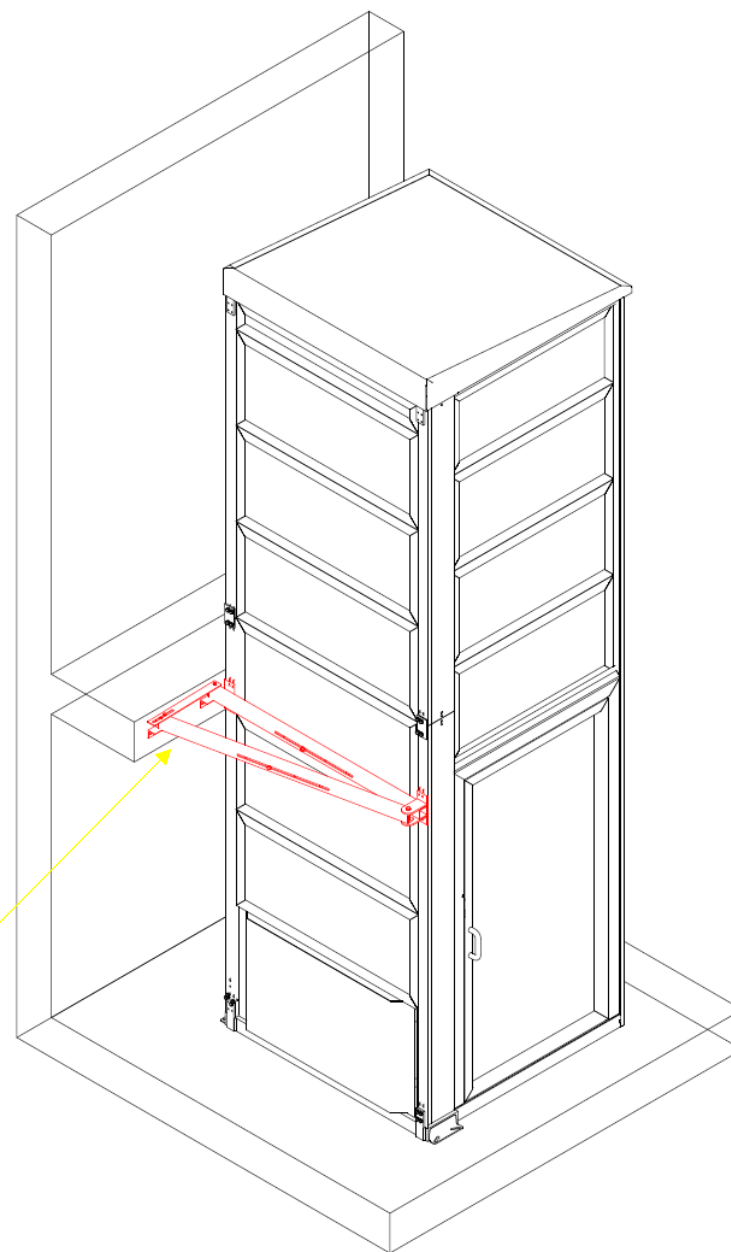
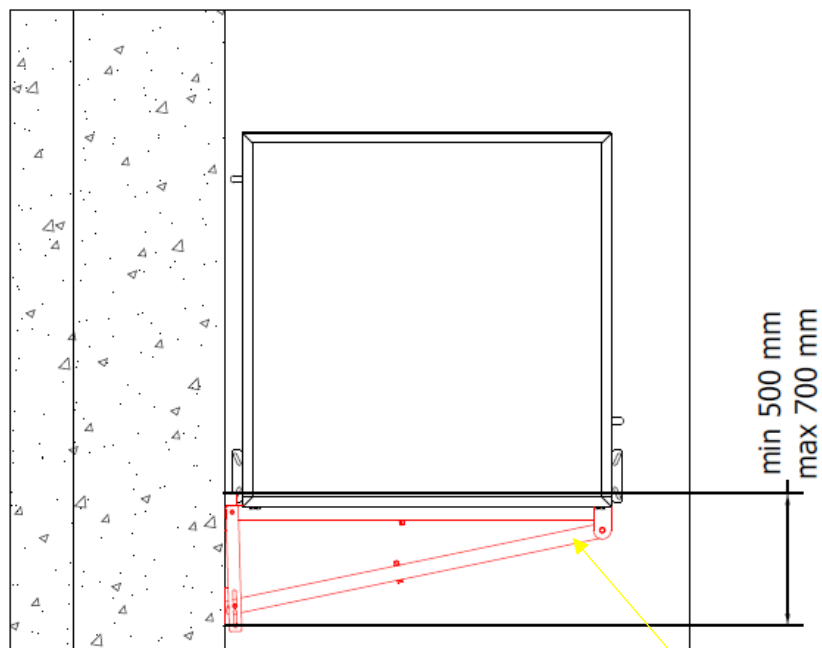


Angle support directly on the wall. It can cover differences between 50 to 100mm.



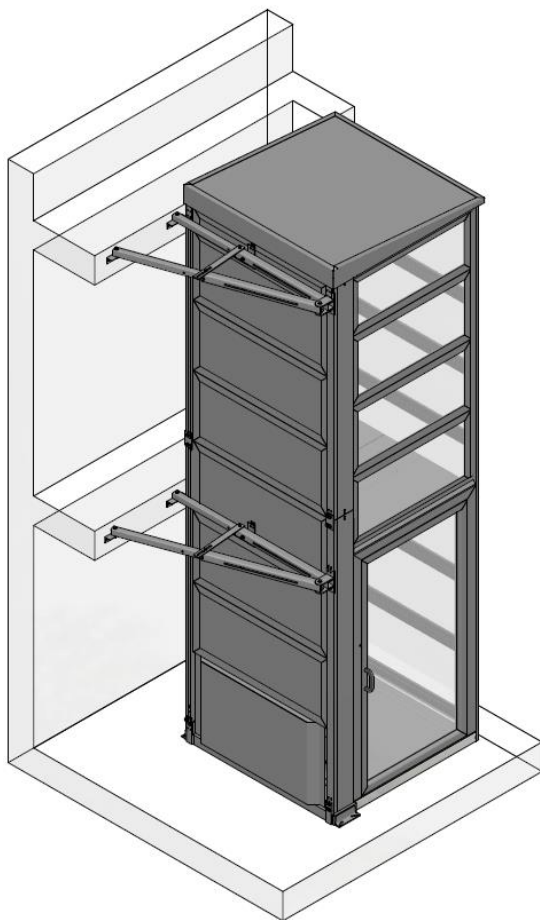
Triangle Support

As mentioned earlier, in case there is not a wall available, we offer the option of a triangle support that is mounted at each stop of the lift.

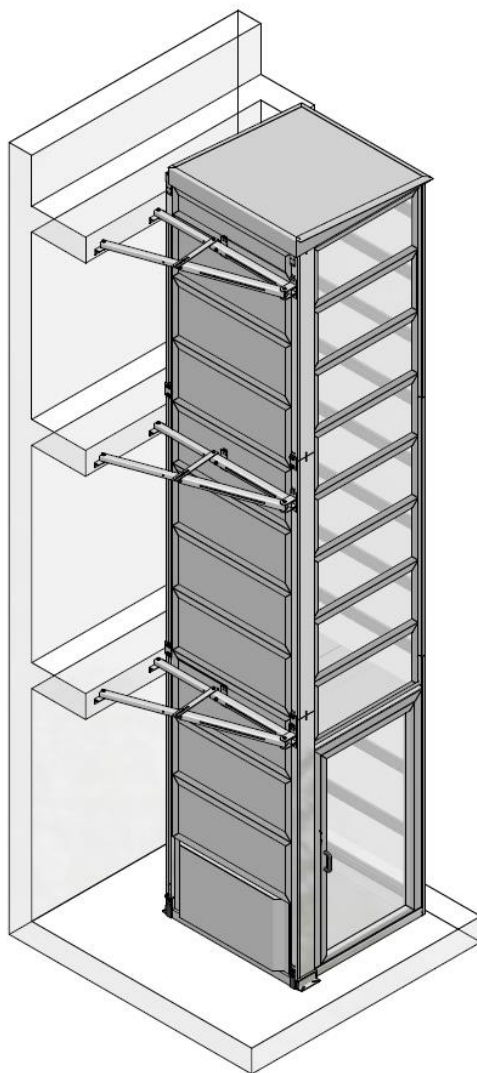


Triangle support.
It can be expanded or
retracted between 500
to 700mm.

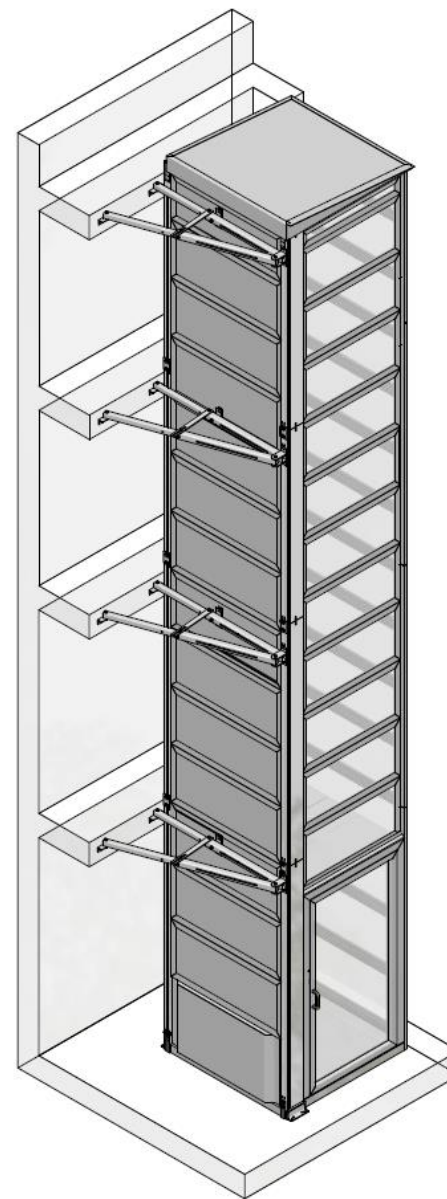
Supports per travel



TOTAL TRAVEL 3000mm



TOTAL TRAVEL 6000mm



TOTAL TRAVEL 9000mm

BENEFITS

- ✓ **Low-profile Design - Enhanced Accessibility:** Provides a safe and convenient solution for wheelchair users and others to move effortlessly between levels. With a closed height of just 60 mm, the lift can be installed with a shallow pit, or even without one when combined with a ramp, ensuring easy access for everyone.
- ✓ **Soft Start and Stop:** Smooth, gentle operation that provides additional comfort to the user.
- ✓ **Silent Operation:** Enjoy a quiet lift experience with no disruptive noise.
- ✓ **Works with Standard Household Electricity:** Simple installation without the need for specialized power supply.
- ✓ **Eco-Friendly:** Designed with a minimal ecological footprint for sustainable use.
- ✓ **Lightweight and Durable Construction:** Combines strength with portability and long-lasting performance.
- ✓ **Modern, Space-Efficient Design:** Maximizes available space without compromising style.
- ✓ **Suitable for Both Outdoor and Indoor Use:** Versatile installation options to fit your needs.
- ✓ **No Separate Machine Room Required:** Saves space and simplifies installation.
- ✓ **Easy Installation:** Designed for quick and hassle-free setup.
- ✓ **User Safety:** With its fully enclosed shaft, the lift provides a secure environment for users.
- ✓ **Easy to Use:** Hold-to-run controls and user-friendly technologies ensure simple and safe operation for everyone.

