Company Profile

2024-2025

سنترك للمصاعد

Centirc Elevators

About us

Centric Elevators Co. (CEC) is a leading provider of elevators and escalators in the United Arab Emirates. We offer a comprehensive range of services, from supplying and installing the latest elevator technology to providing ongoing maintenance and support.

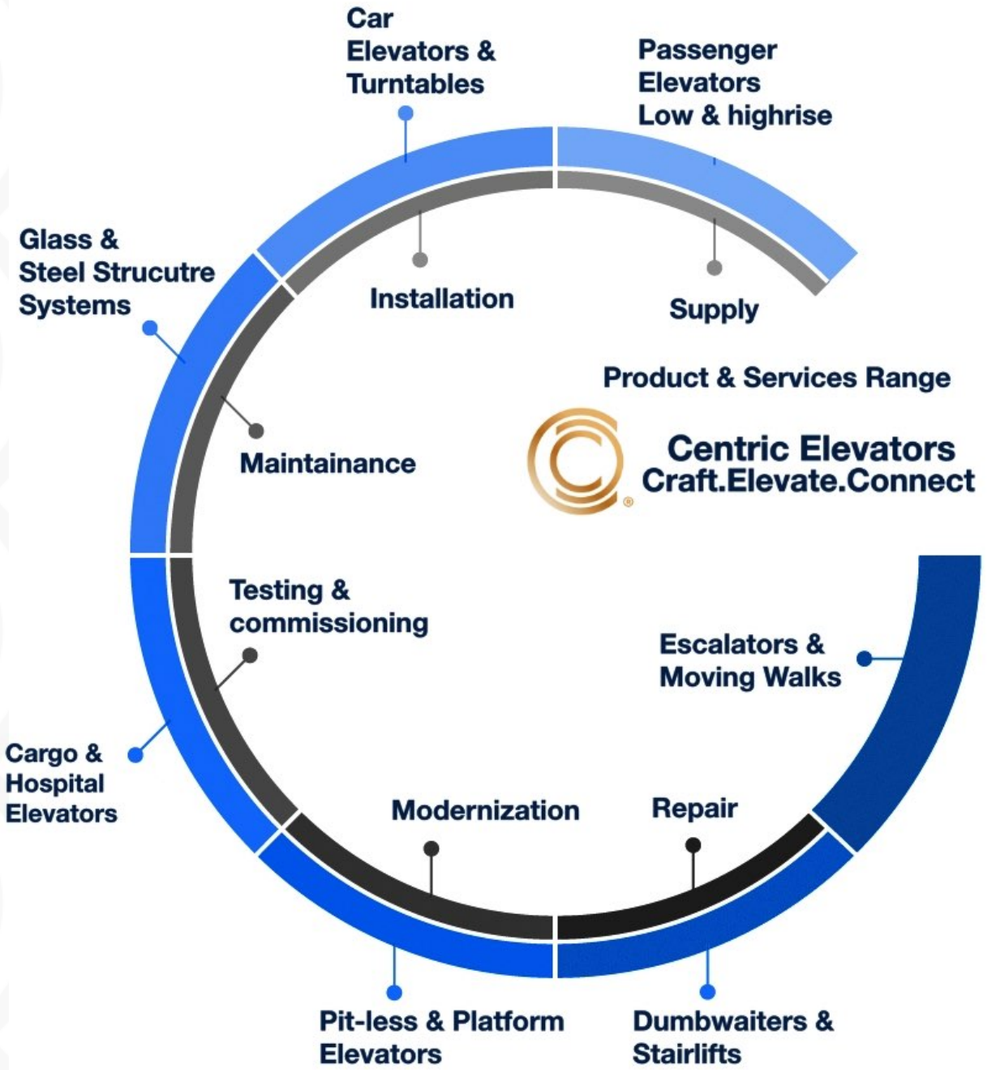
Mission

We continuously seek and implement the latest elevator technology, ensuring our solutions are efficient, reliable, and future-proof.

Vision

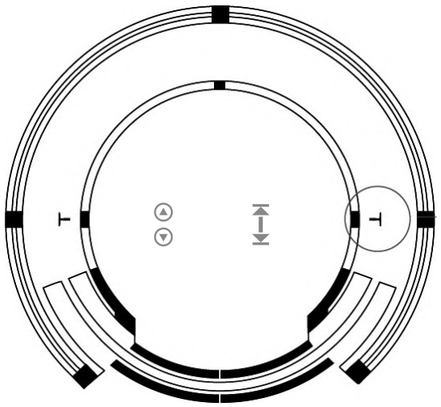
Simplifying the Buying Process: We will offer transparent communication, clear pricing models, and readily available information to make selecting the perfect elevator effortless.

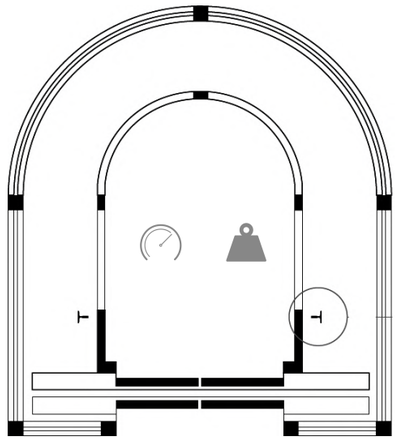
Centric Elevators
Craft. Elevate. Connect.

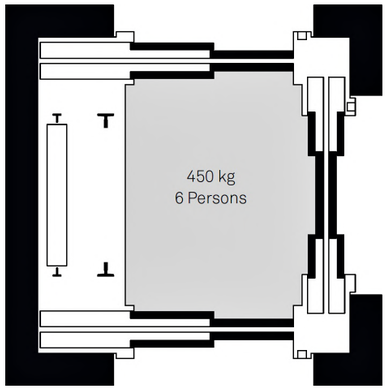


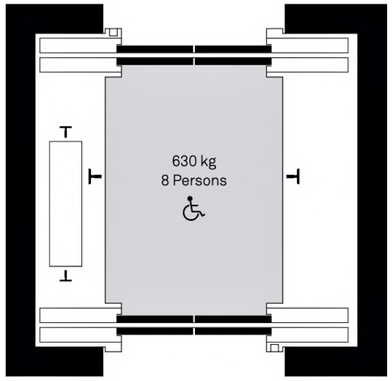
Passenger Elevators

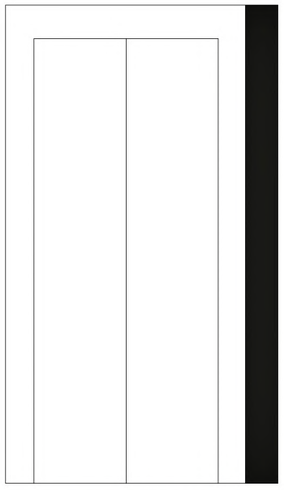
Types of Elevators



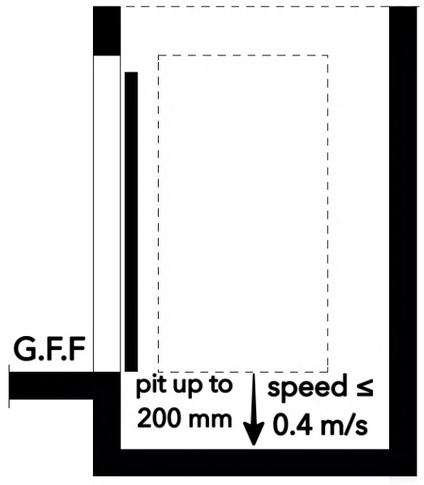


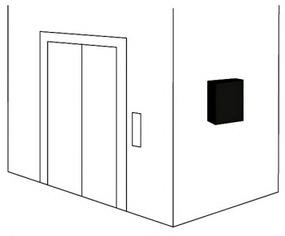




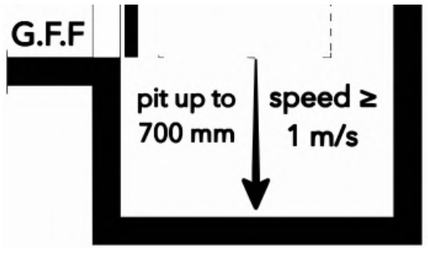


Control panel 250x2000x2000 mm.





Control panel 600x600x250 mm.



Elevator Cabins:

- **Shapes:** Round, semi-round, square, rectangular
- **Entrances:** Single, double, triple
- **Capacities:** 400, 630, 800kg for villa elevators, 1000, 1250, 1600kg for residential towers, 2000kg and above for hospitals and malls

Control Box:

- **Shapes:** Tall and narrow, square
- **Location:** Typically on the top floor, within 10 meters from the lift
- **Wiring:** Concealed under the floor or above the ceiling

Elevator speed:

generally, elevators can be split into 3 categories

- **Pitless elevators:** Maximum speed of 0.15 m/s.
- **Elevators with a pit depth of 50 to 200 mm:** Maximum speed of 0.4 m/s.
- **Elevators with a pit depth exceeding 700 mm:** Maximum speed of 1 m/s or more

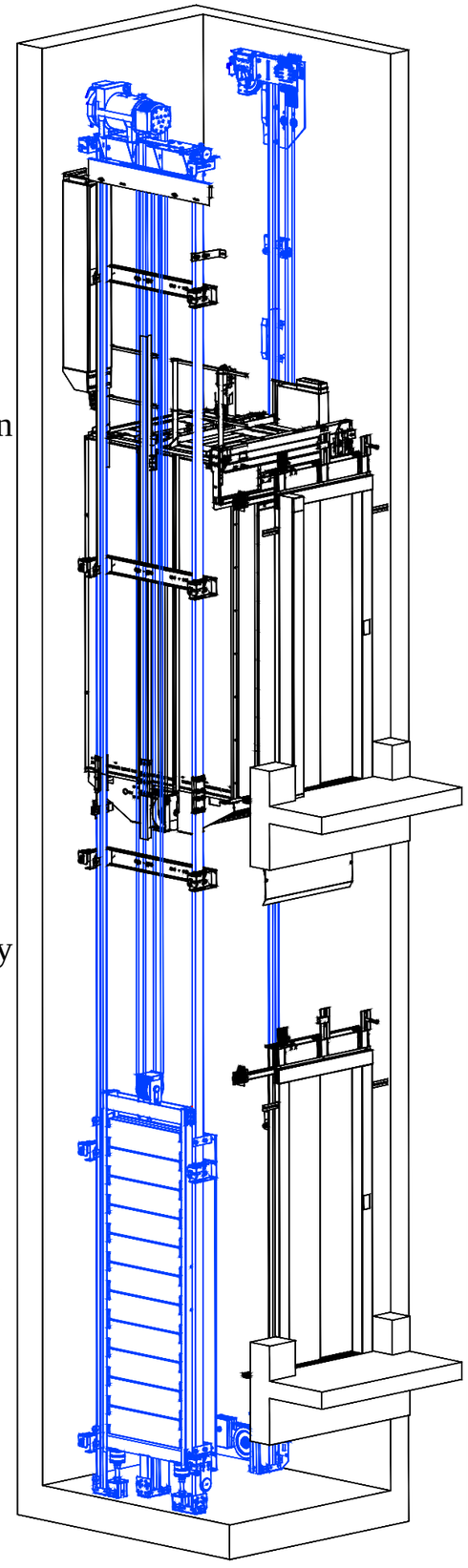
Main Types of Elevators:

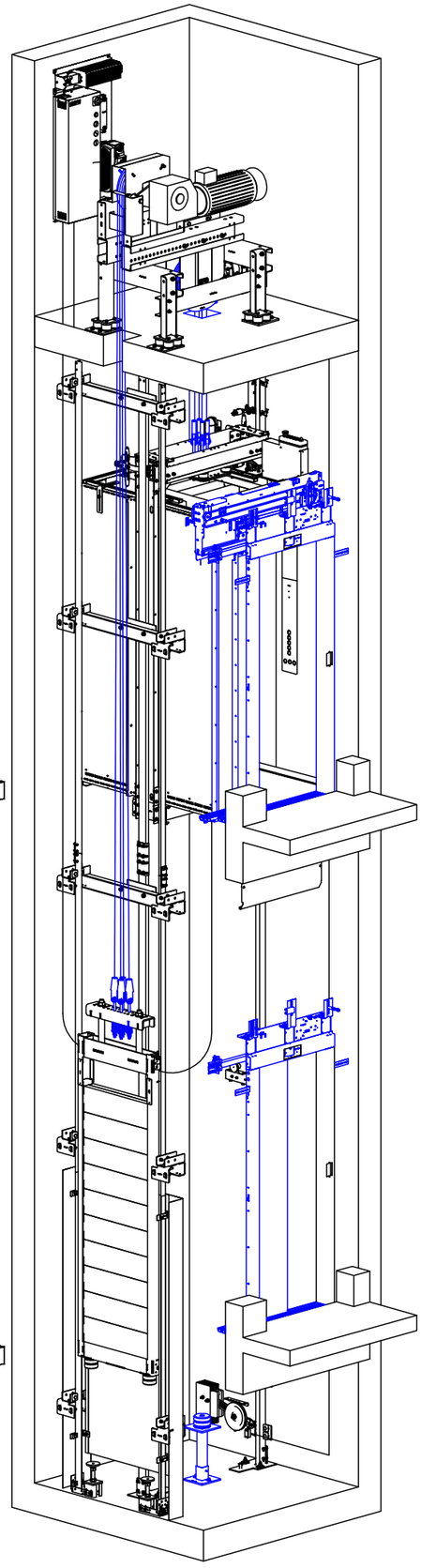
Machine Room-Less (MRL) Elevators

- No dedicated machine room required
- Compact and cost-effective
- Faster installation
- Lower energy consumption
- Ideal for low to mid-rise buildings

Machine Room Elevators

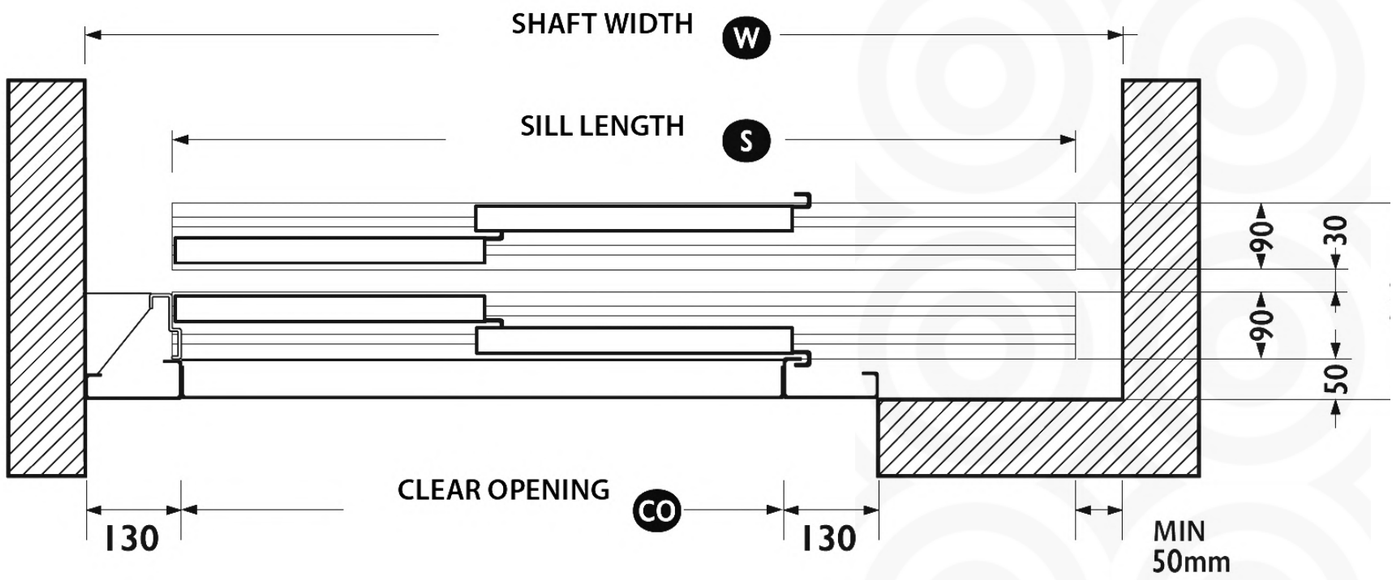
- Traditional elevator type with a dedicated machine room
- Greater flexibility in speed, capacity, and features
- Commonly used in high-rise buildings
- Offers superior performance and customization options
- Suitable for complex traffic patterns and larger buildings



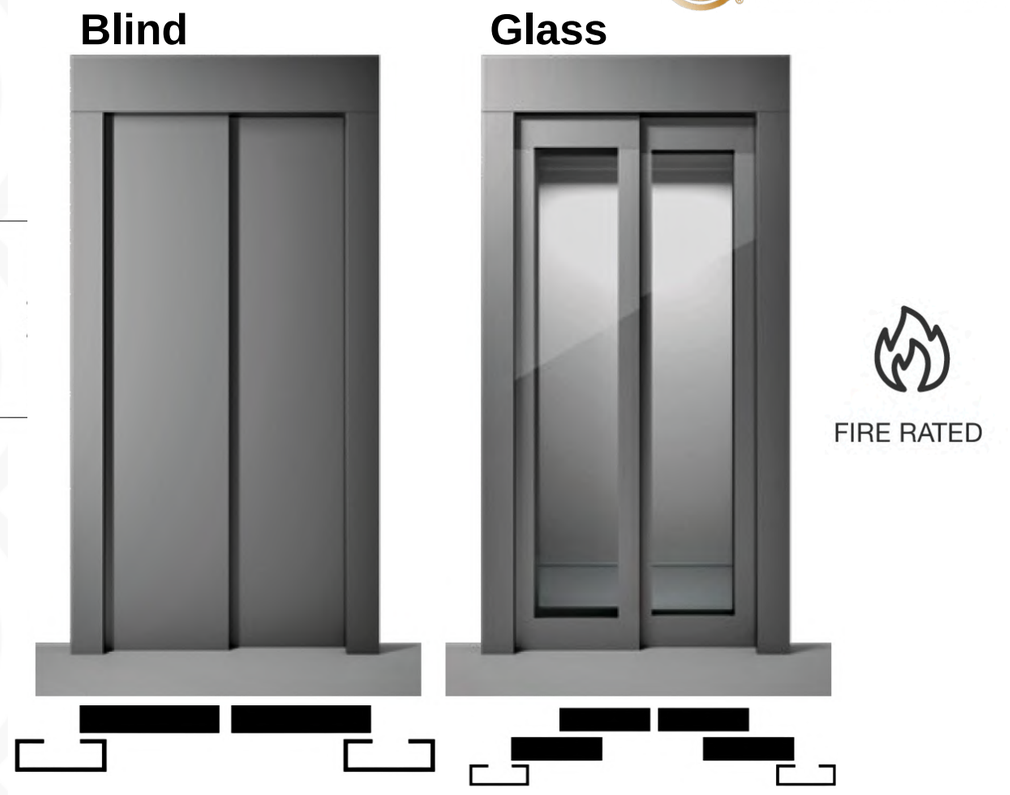


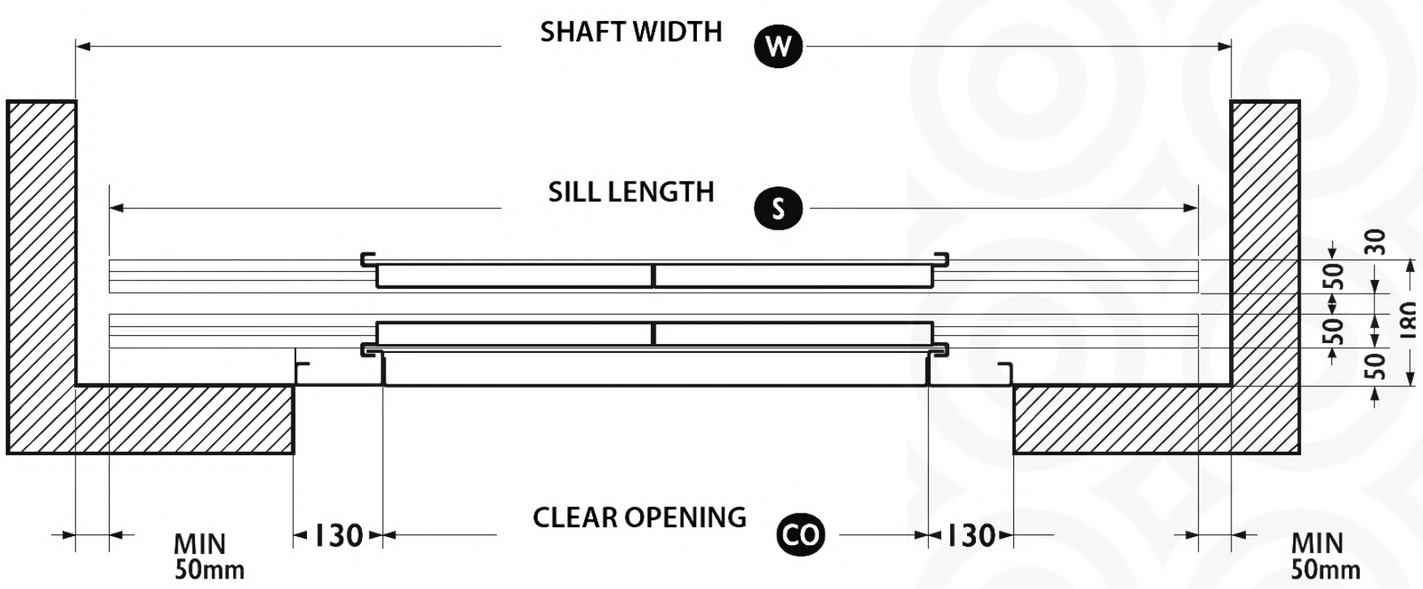
Types of elevator Doors

Centric Elevators
Craft. Elevate. Connect.

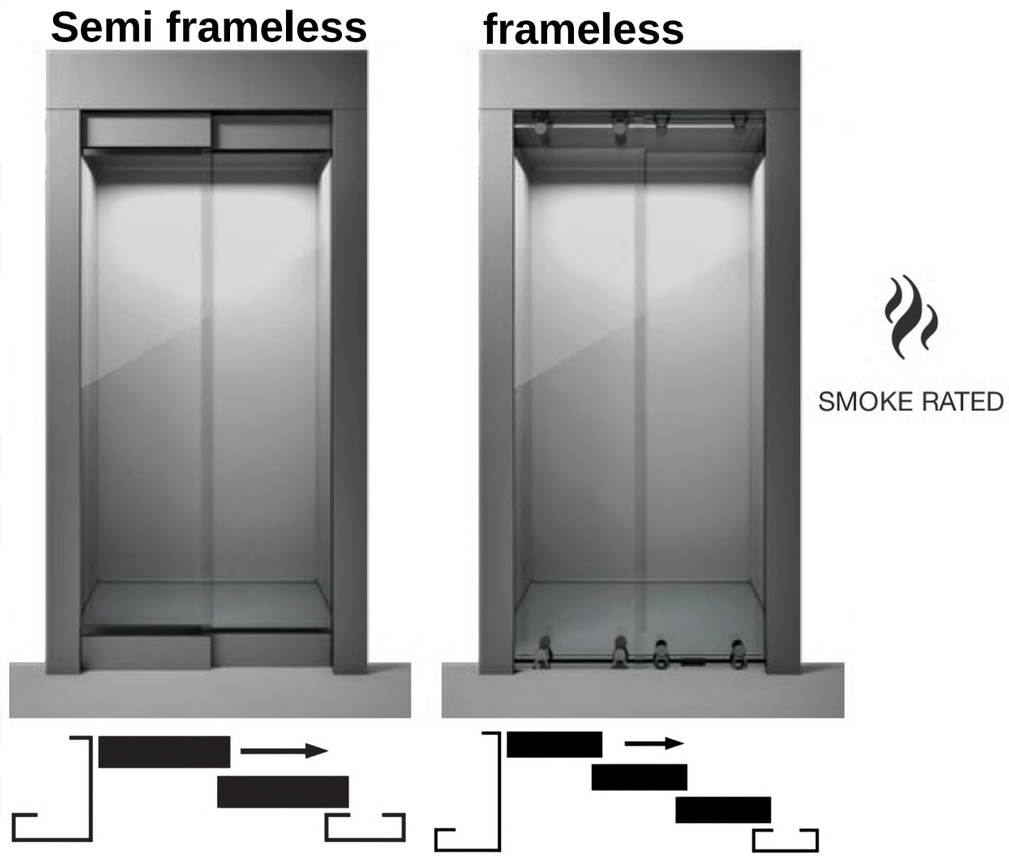


2 PANEL TELESCOPIC OPENING													
CO	600	650	700	750	800	850	900	1000	1100	1200	1300	1400	1500
S	900	975	1050	1125	1200	1275	1350	1500	1650	1800	1950	2100	2250
W	1080	1155	1230	1305	1380	1455	1530	1680	1830	1980	2130	2280	2430

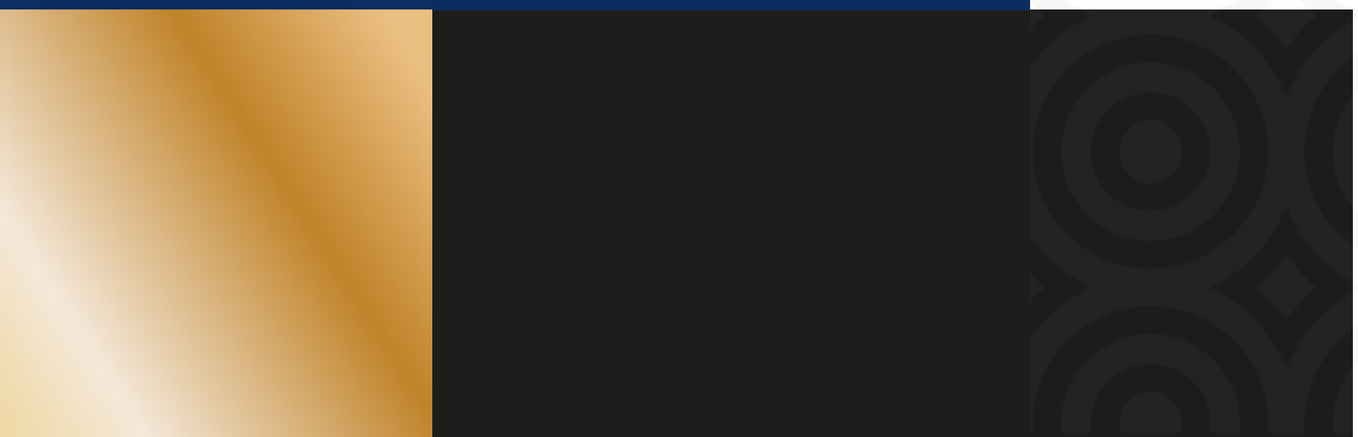




2 PANEL CENTER OPENING											
CO	700	750	800	850	900	1000	1100	1200	1300	1400	1500
S	1400	1500	1600	1700	1800	2000	2200	2400	2600	2800	3000
W	1500	1600	1700	1800	1900	2100	2300	2500	2700	2900	3100



Glass Structure Systems



Panoramic Elevators

Types of Steel Structures for Panoramic Glass Elevators Based on Glass Fixing :

- **Spider glass structures**
  they offer maximum transparency and a sleek, modern look.
- **C-channel structures**
  They offer a balance between aesthetics and structural strength.
- **Round members structures**
  they offer a unique visual style
- **L-Angels structures**
  they are commonly used for their versatility and cost-effectiveness.
- **RHS, SHS, and CHS members structures**
  they are suitable for larger glass panels and heavier loads.

Steel Components in Panoramic Glass Elevator Structures :

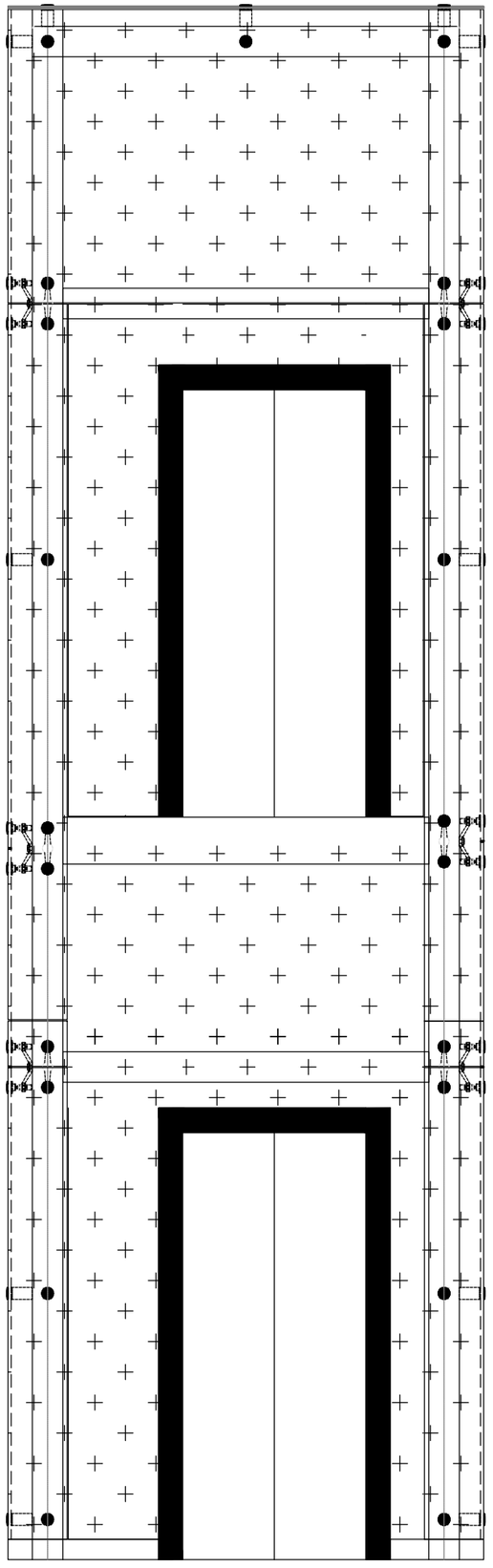
- Main frame
- Glass clamps or profiles
- Supporting members

Elevator Steel Structures

- Provide the framework for elevator operation
- Composed of sturdy steel components
- Form the elevator shaft, supporting car, counterweights, and rails
- Two main types:
  - Independent steel structures: standalone units often used for retrofitting
  - Integrated steel structures: part of the building's framework
- Prioritize safety, durability, and precision engineering
- The choice of structure depends on building design, elevator capacity, and installation requirements

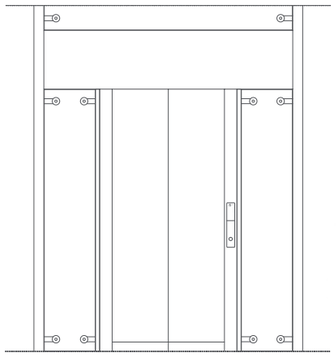
Outdoor Elevators

- Gaining popularity for providing access without interior space compromise
- Require a robust steel structure
- The structure is typically independent of the building
- Engineered to withstand weather conditions and ensure safety
- Anchored securely to the building's exterior using reinforced concrete foundations
- The elevator car is enclosed for weather protection and passenger comfort

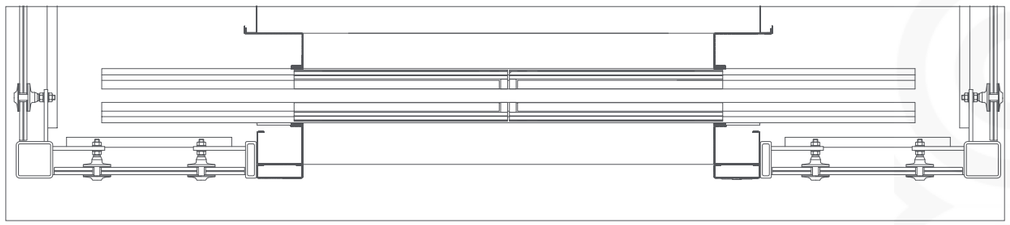


Hoistway frames
Tubular hoistway frames, square tubes
Point fixings for glass fixing, Glazing between the profiles

Vertical section

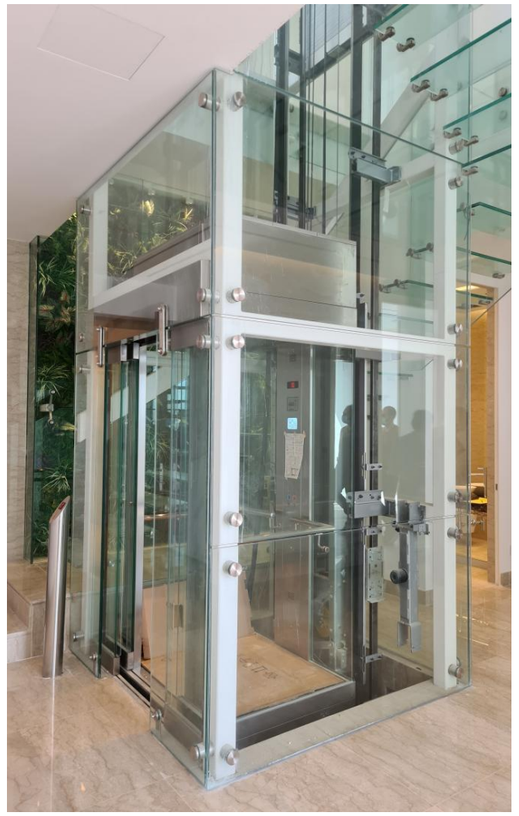


View of door portal

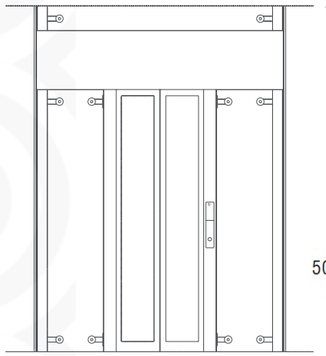


Horizontal section

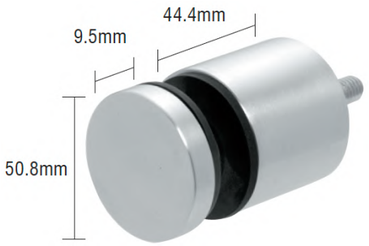
Hoistway frames
Tubular hoistway frames, square tubes
Point fixings for glass fixing, Glazing in front of the profiles

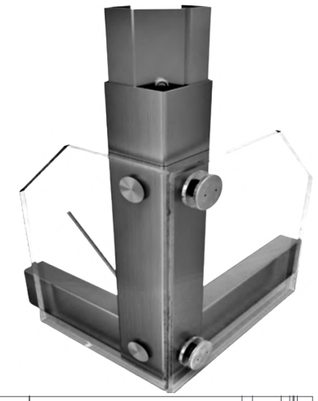


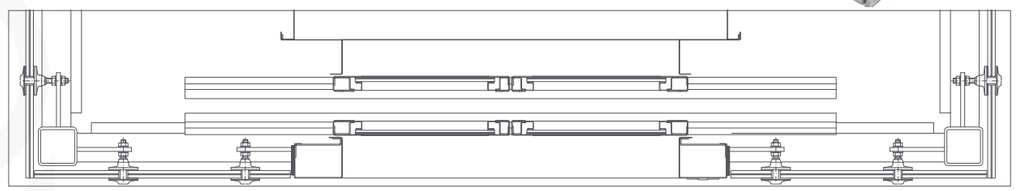
Vertical section



View of door portal

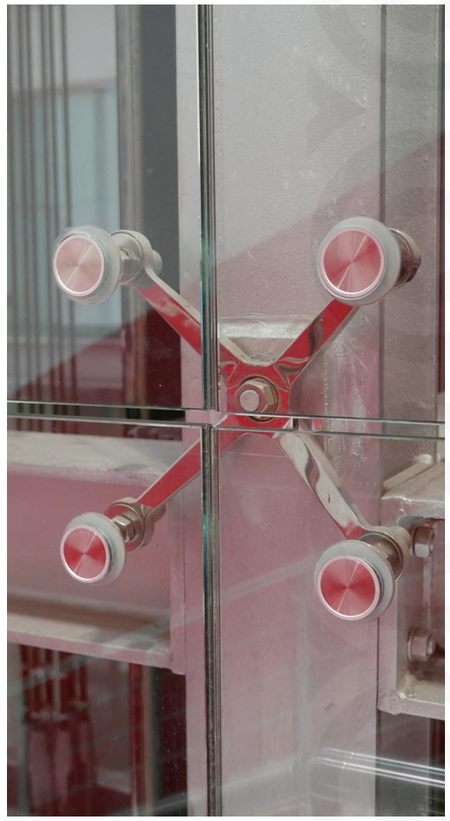




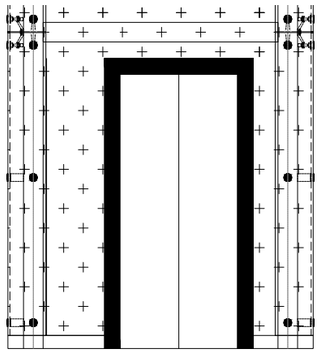


Horizontal section

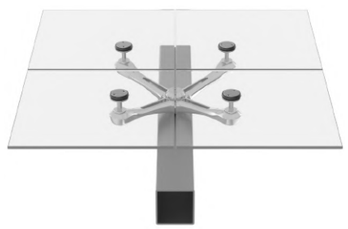
Hoistway frames
Tubular hoistway frames, square tubes
Aluminum facade profile

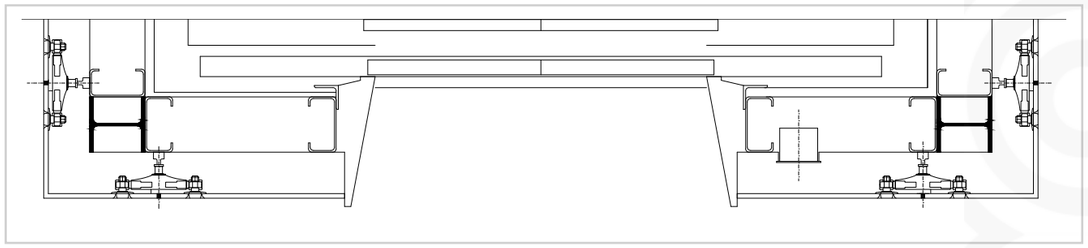


Vertical section



View of door portal

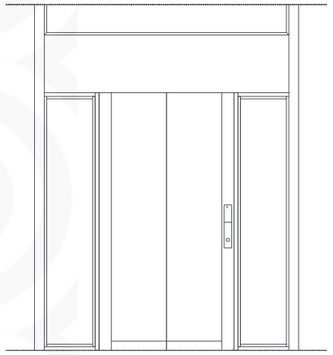




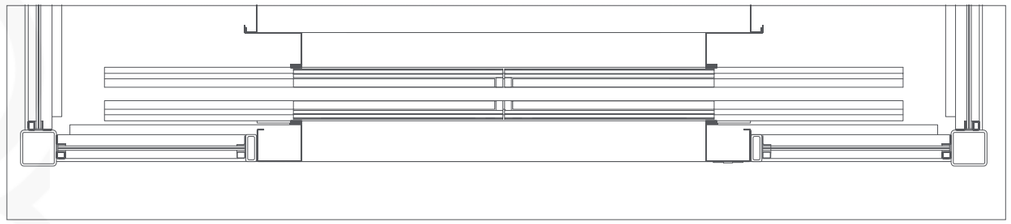
Horizontal section

Hoistway frames
Tubular hoistway frames, square tubes
Glazing between the profiles

Vertical section



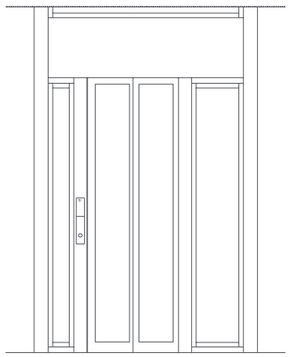
View of door portal



Horizontal section

Hoistway frames
Tubular hoistway frame, round tubes
Glazing between the profiles

Vertical section



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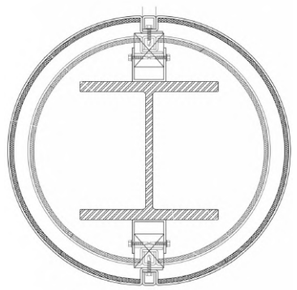
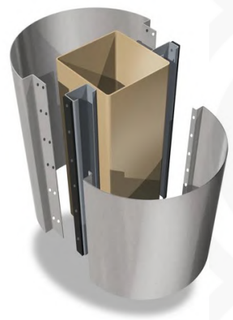
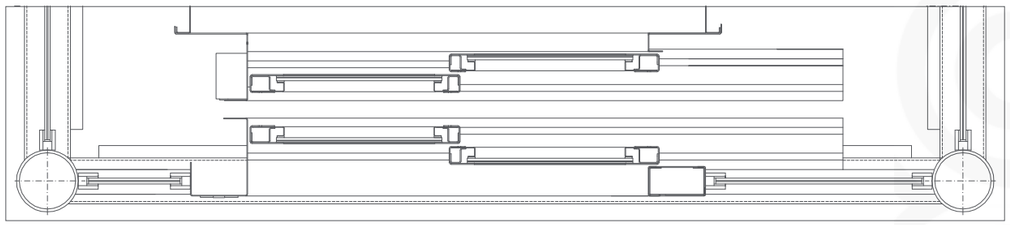


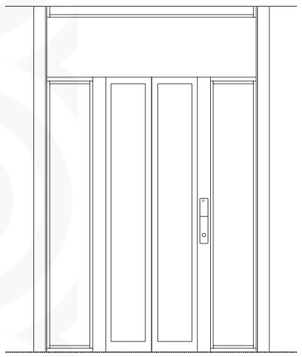




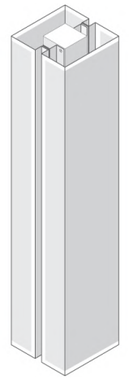
Horizontal section

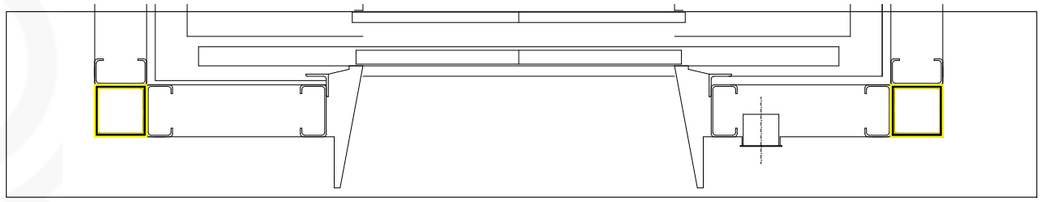
Hoistway frames
Angular hoistway frame
Outward angle

Vertical section



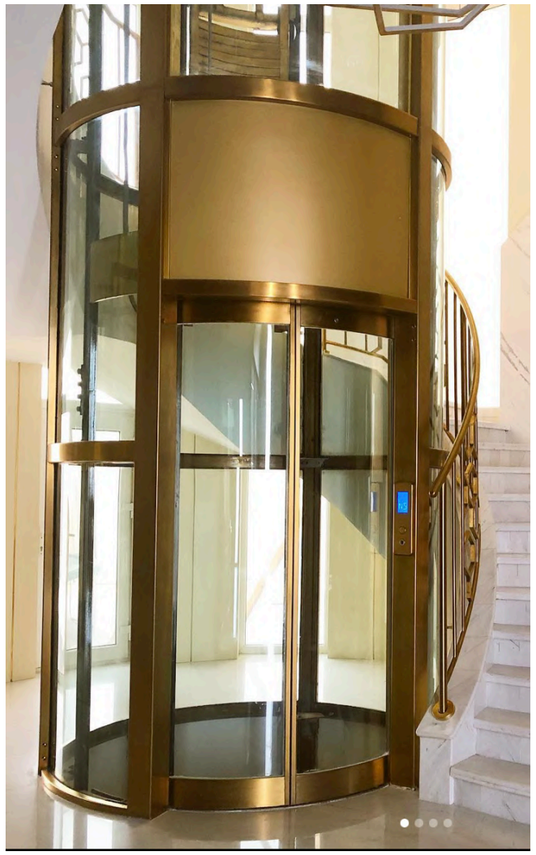
View of door portal

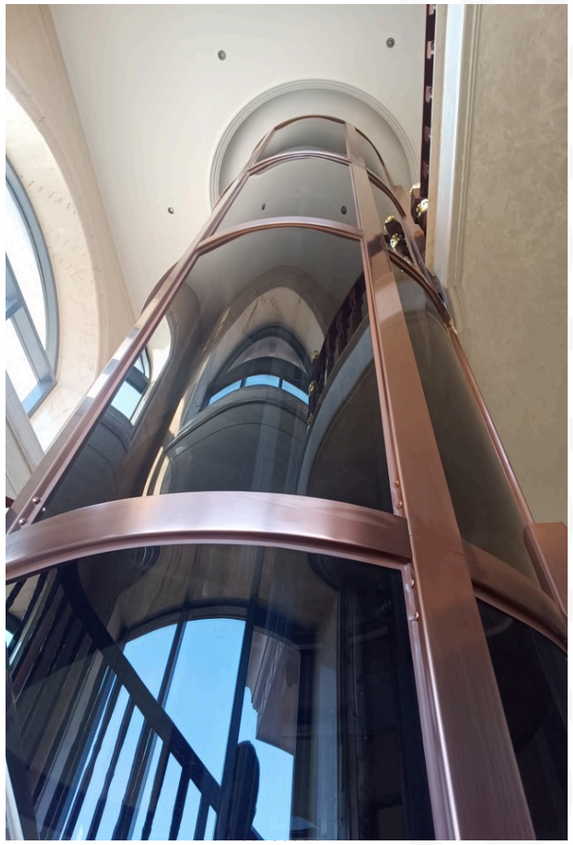




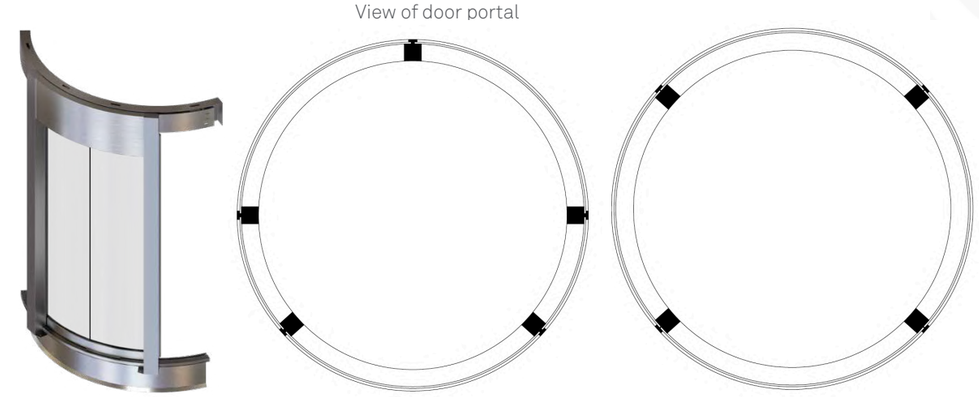
Horizontal section

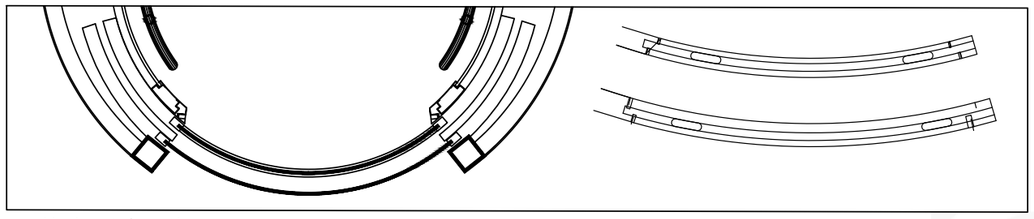
Hoistway frames
Tubular hoistway frames, square tubes
Point fixings for glass fixing, Glazing between the profiles





View of door portal

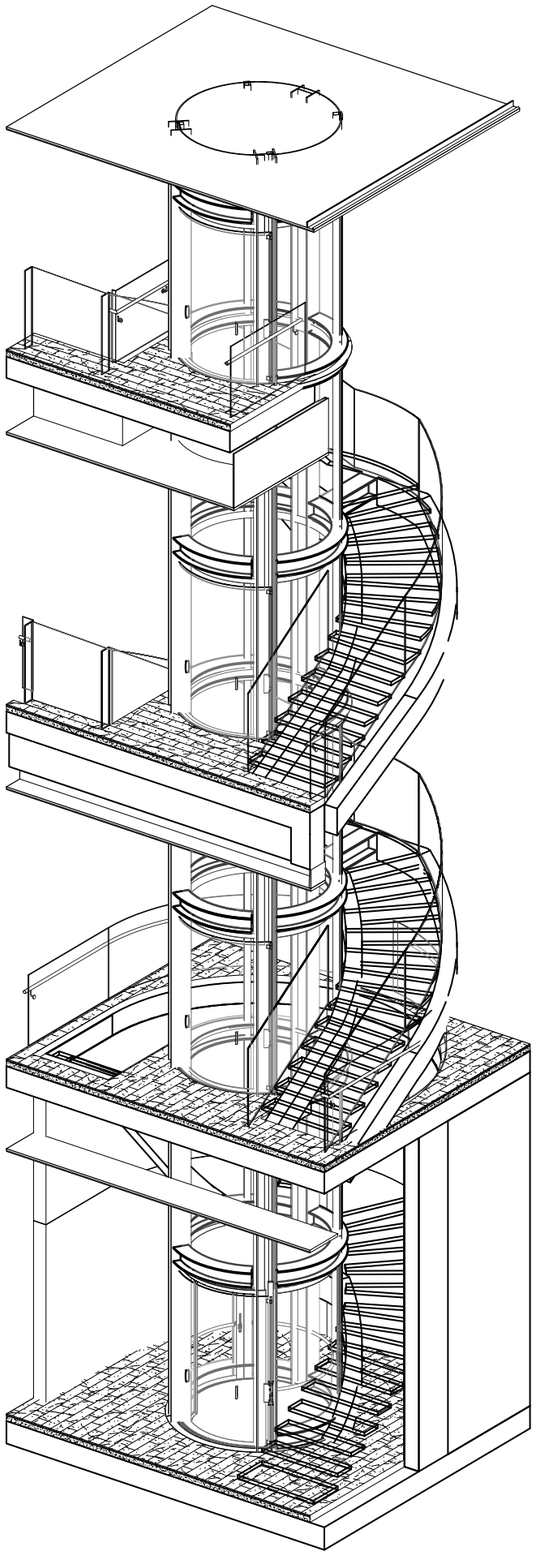


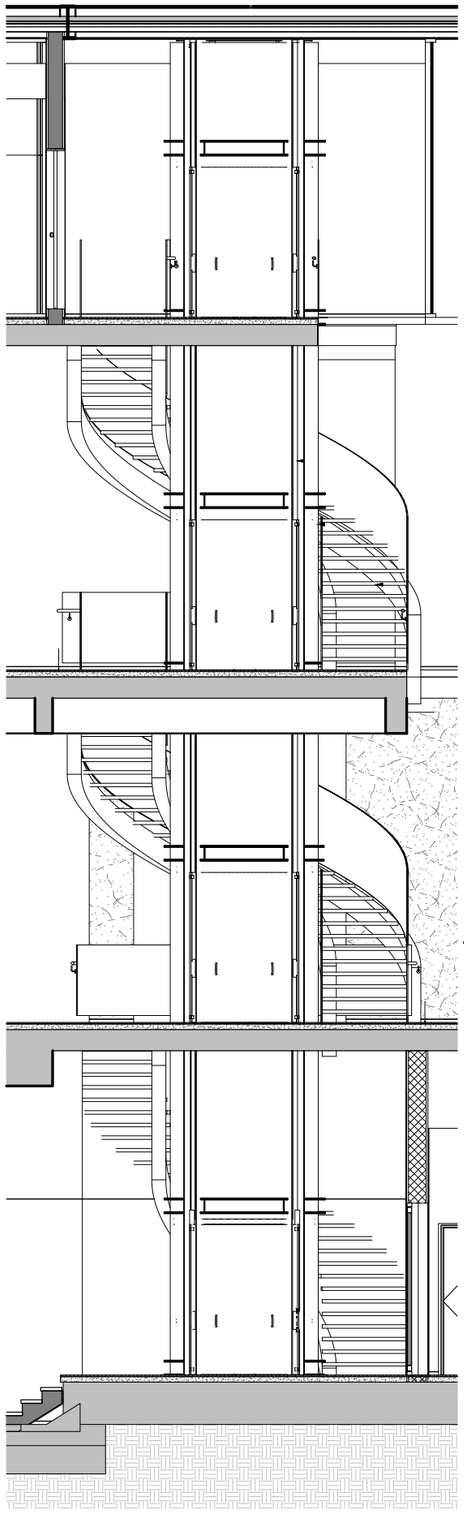


Horizontal section

Hoistway frames
Tubular hoistway frames, square tubes
Point fixings for glass fixing, Glazing in front of the profiles

Types of Round elevators

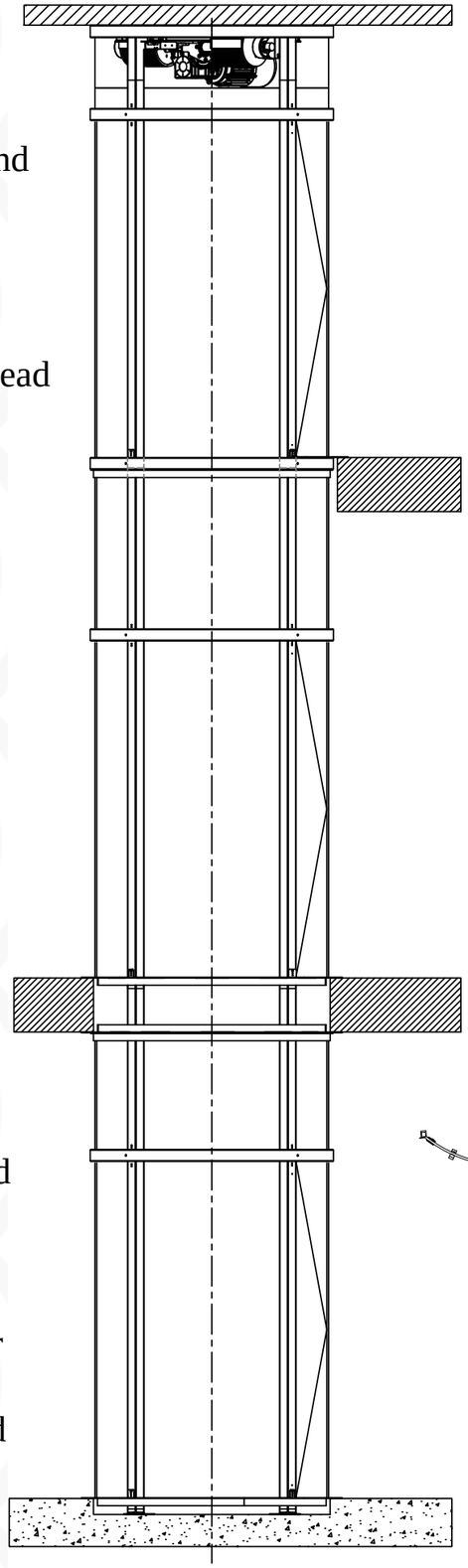


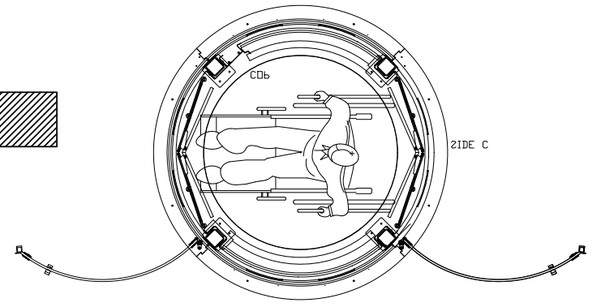


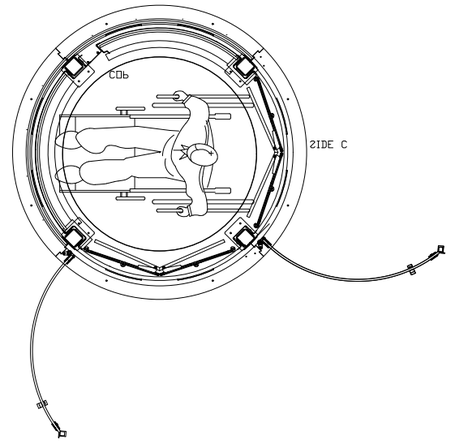
- **Gearless MRL:**
  - Capacity: Up to 800 kg
  - Speed: Up to 1 m/s
  - Requires: standard Pit and overhead height
- **Drum Drive:**
  - Capacity: Up to 500 kg
  - Speed: Up to 0.3 m/s
  - Requires: Smaller overhead (no pit needed)

Round elevator structures typically consist of four or five steel columns encased in glass. The specific number of columns required depends on the shape of the surrounding staircase and the elevator's internal components. This adaptable design allows for customization to fit various building layouts.

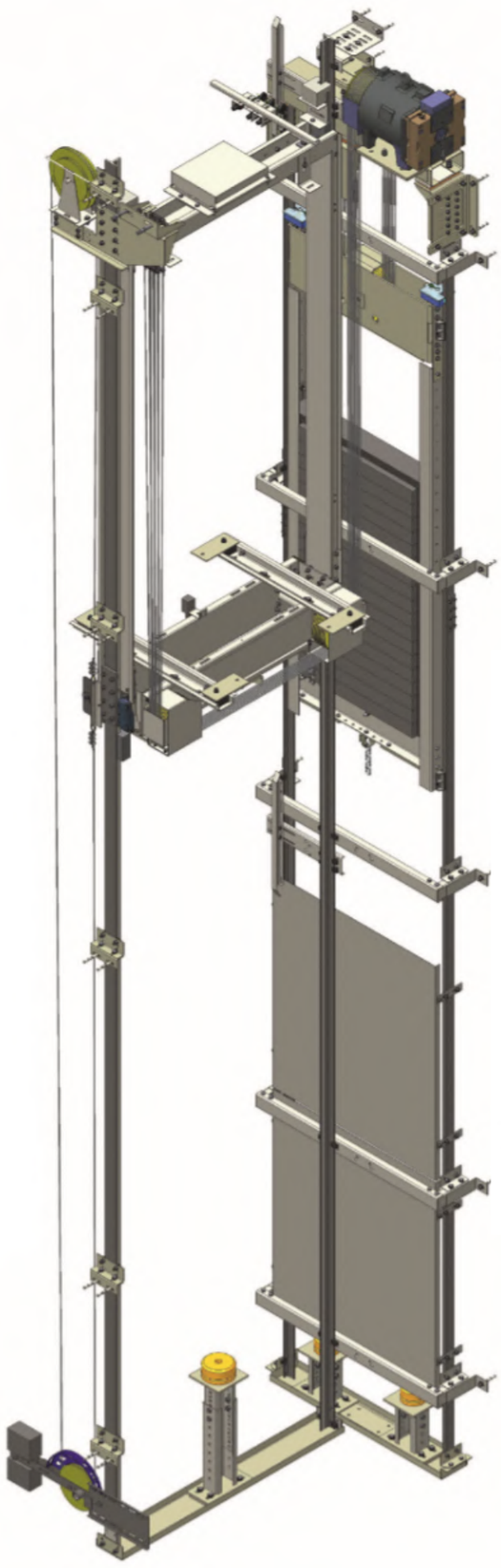
Drum-type elevators typically feature a prefabricated steel shaft. This shaft is manufactured in a factory for efficient installation. The elevator doors are commonly of the swing type and can be operated manually or automatically,depending on the desired level of convenience and safety.

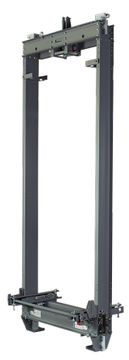






Panoramic Elevators Systems





Concept of Central slings

- **Support mechanism:** the elevator car is suspended or carried from above , the guide rails will be on the left and right side allowing **2 sides** to be fully panoramic and **2 sides** to be partially panoramic

- **Speed of the lift :** won't be affected and can reach 1 m/s normally , this is the most common type

Advantages :

- Simplicity
- Cost effectiveness

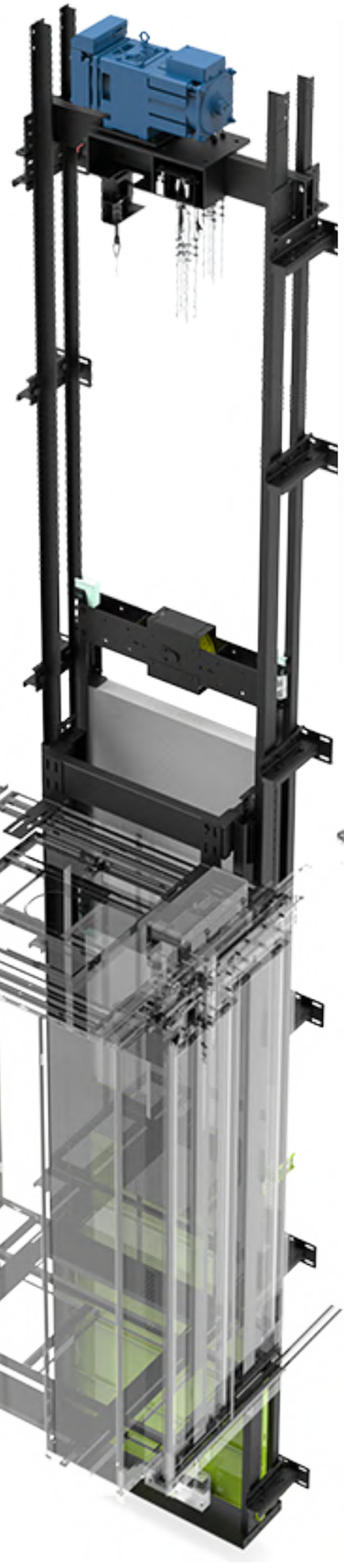
Concept of cantilivered slings

- **Support mechanism:** the whole elevator car is suuported from below and on one side of the shaft only allowing the other **3 sides** to be fully panoramic and **1 side** to be partially panoramic

- **Speed of the lift :** won't be affected and can reach 1 m/s normally

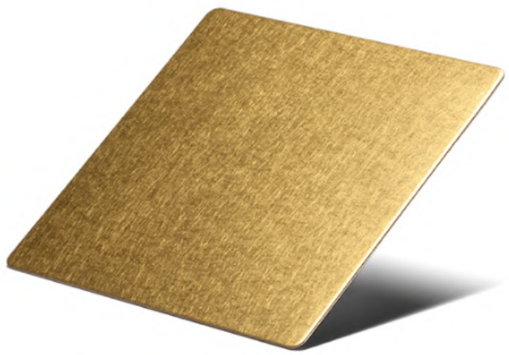
Advantages :

- Space Efficiency
- Athtetics (glass ceiling)



Finishes & Cutomization

Stainless Steel Finishes

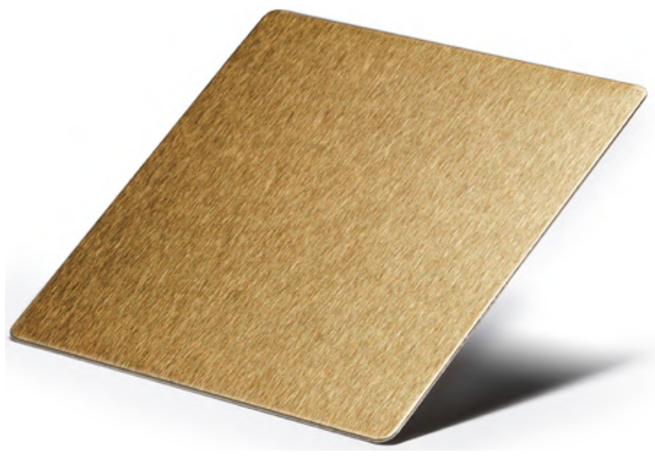


Vibration

Sand Blast

Mirror

Hairline



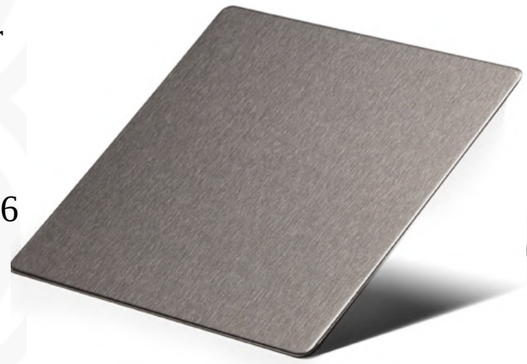
Brush

Stainless Steel in Elevator Cabins

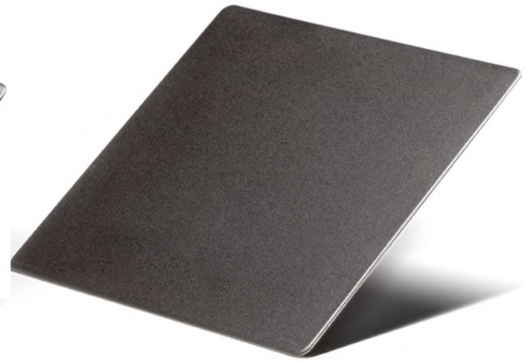
- Primary material for elevator cabins
- Durable and corrosion-resistant
- Common grades: 304 and 316
- Various finishes for aesthetic appeal:
  - Hairline: linear pattern
  - Mirror: a reflective surface
  - Bead blast: matte texture
  - Brush: soft, satin-like appearance
  - Vibration: unique, uniform pattern

Special Finishes:

- **Lenin:** A distinctive pattern created on the stainless steel surface, often resembling linen fabric.
- **Anti-Fingerprint Coating:** A protective layer applied to the stainless steel to minimize visible fingerprints and smudges, enhancing the cabin's appearance and ease of cleaning.

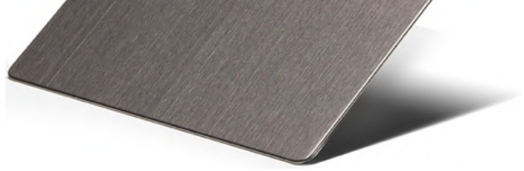


Vibration

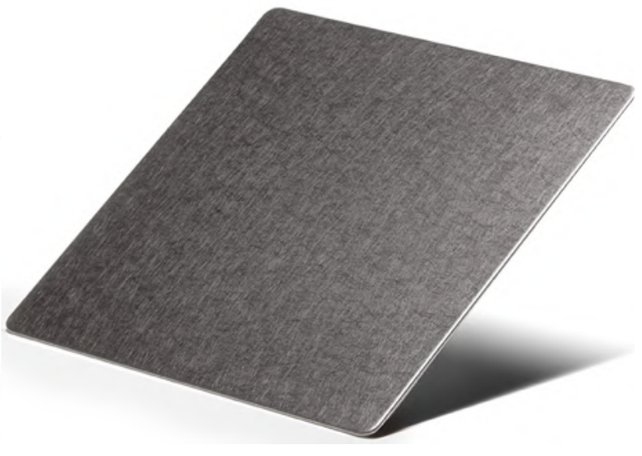


Sand Blast

Mirror



Hairline



Brush

Visual comfort (low light reflectivity, extremely matt surface)

Soft touch

Anti-fingerprint

Thermal healing of superficial micro-scratches

Glass Finishes

Clear Glass

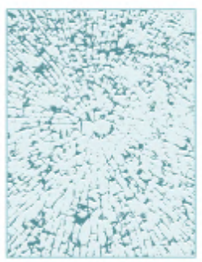
Low Iron Glass

Types of Glass and Finishes

- **Clear glass:** Offers unobstructed views.
- **Tinted glass:** Reduces glare and heat transmission.
- **Frosted glass:** Provides privacy while allowing light to pass through.
- **Textured glass:** Adds visual interest with patterned surfaces.
- **Reflective glass:** Mirrors the environment.
- **Insulated glass:** Improves energy efficiency.
- **Laminated glass:** Enhanced safety and security.
- **Tempered glass:** Stronger than regular glass, it shatters into small pieces for safety.

Annealed Glass

Heat-Stregthening Glass



Fully Tempered Glass

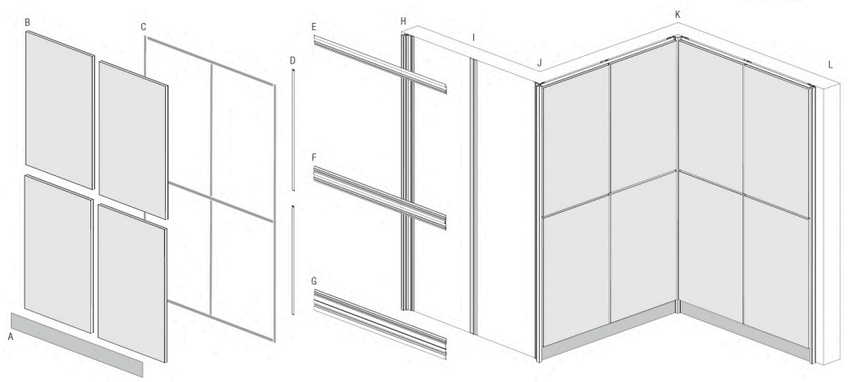
Laminated Glass

Wood Finishes

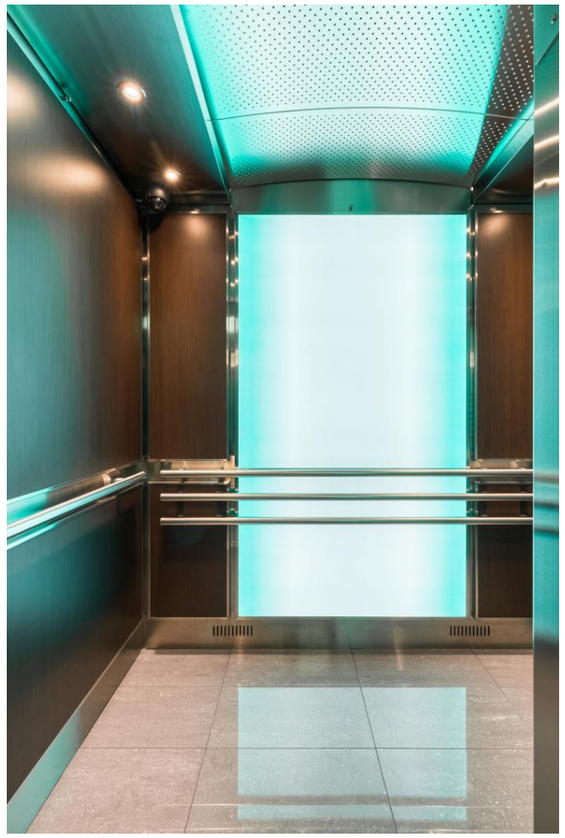
Centric Elevators
Craft. Elevate. Connect.

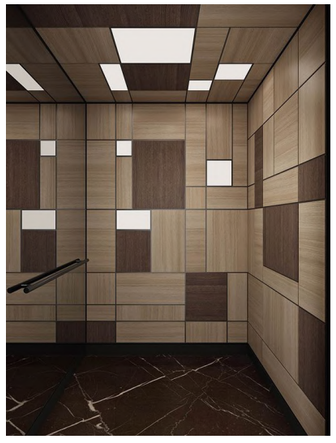
Types of Wood for Cladding

- **Real Wood Veneer:** Authentic wood slices.
- **Wood Laminate:** Synthetic imitation of wood.
- **High-Pressure Laminate (HPL):** Durable, scratch-resistant laminate.
- **Acrylic Solid Surface:** Seamless, modern look.
- **Thermofused Laminate (TFL):** Heat-pressed for durability.
- **Wood-Grain Vinyl:** Budget-friendly vinyl film.



Backlit Cabin Walls





Create an extraordinary work of art with custom LED backlighting systems many panel materials can be used:

- Backlit Stone/onyx/marble
- backlit glass/Acrylic
- Backlit wood /Laminate

Cabin modular systems

The modular panel system allows for a high degree of customization, enabling the use of virtually any material for the elevator cabin walls.

This flexibility is achieved through a robust framing system that securely supports a wide range of panels, from traditional wood and metal to more contemporary materials like glass or stone.

The frames not only provide structural integrity but also offer a versatile platform for integrating various finishes, lighting elements, and decorative accents, allowing designers to create truly unique and personalized elevator interiors.

THE POSSIBILITIES

ARE ENDLESS

Cabin Cladding Systems

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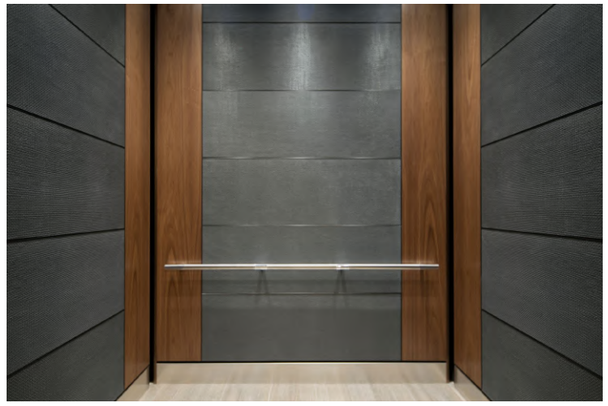
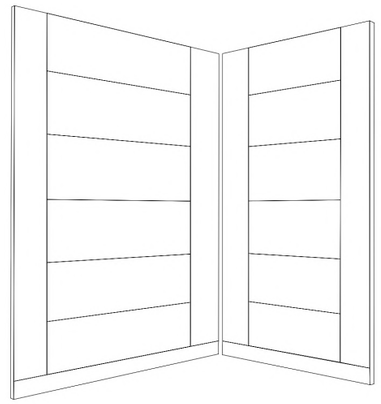
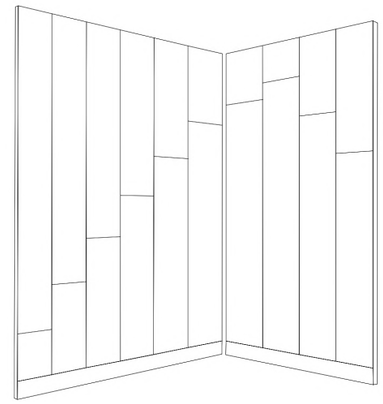
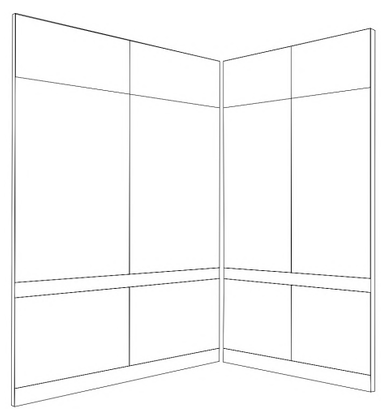
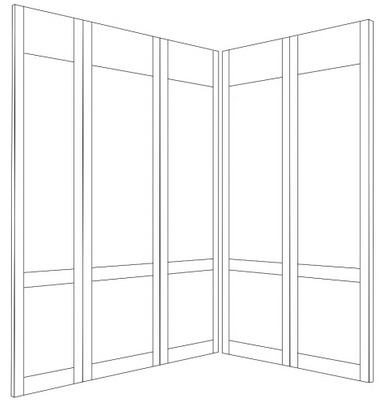


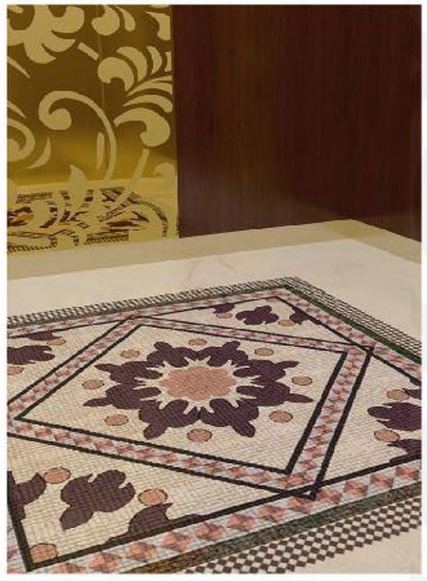






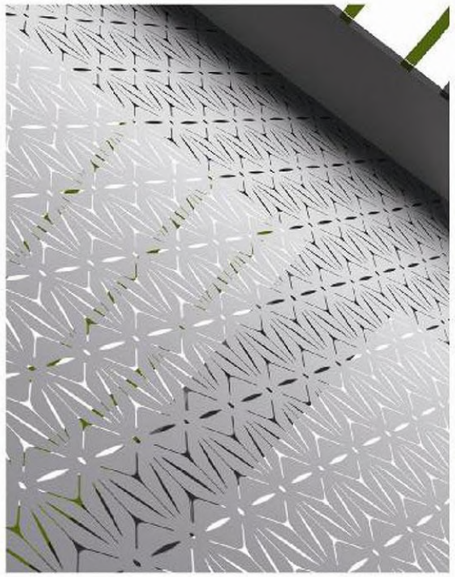


Standard And Optional Cabin Finishes

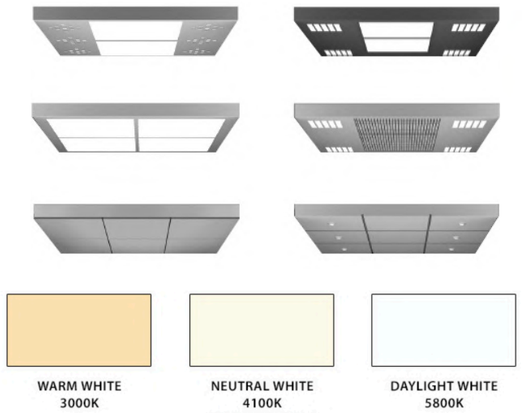


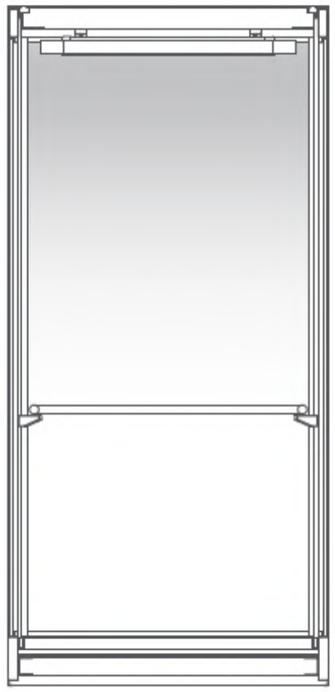
Elevator Cabin Components

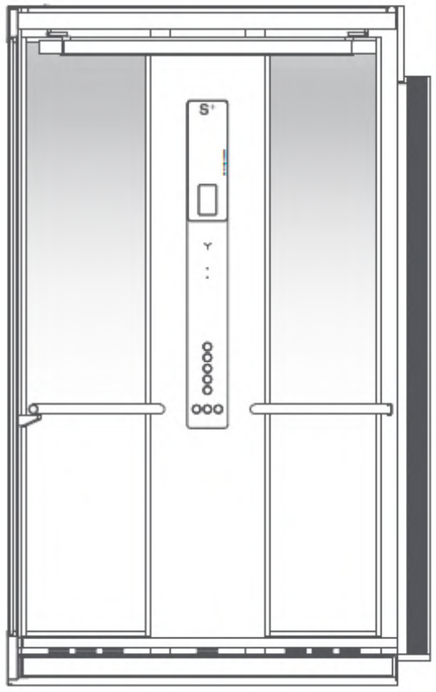
- **Car Operating Panel (COP):** Controls elevator operation from within the cabin (e.g., floor selection, door control, emergency stop).
- **Landing Operating Panel (LOP):** Controls elevator operation from outside the cabin (e.g., calling the elevator, floor selection).
- **Cabin Walls:** Enclose the elevator car, typically made of stainless steel or other durable materials.
- **Car Outer Frame:** The main structural support for the cabin.
- **Cabin Floor:** The surface passengers stand on.
- **Cabin Ceiling:** The upper enclosure of the cabin.

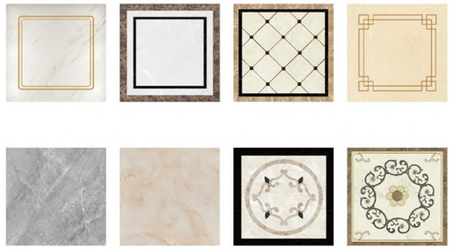


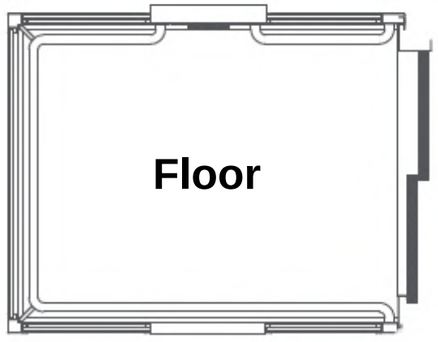
Elevator Accessories





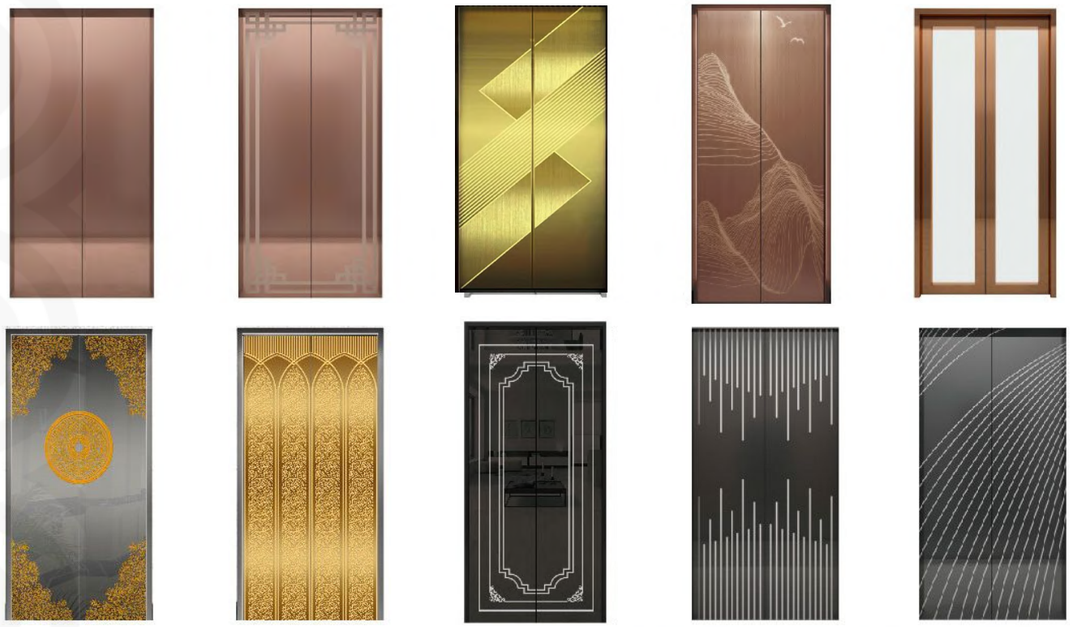


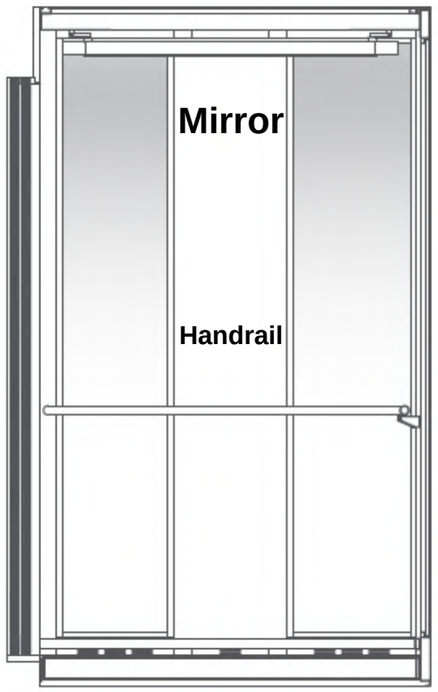




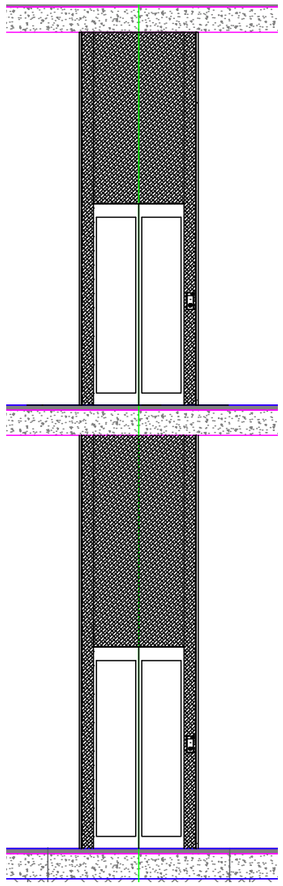
Elevator Cabin Components:

- **Doors:** Provide access to the cabin, typically made of stainless steel or other durable materials. Design options include panoramic or etched doors
- **Mirrors:** usually placed on the back wall, can be full height, half height, or narrow
- **Handrails:** Provide support for passengers, especially during elevator movement. Made of stainless steel or other non-slip materials. Various styles and finishes are available.
- **Floors** they come in PVC from the factory or you can provide a 20-30 mm recess for installing local marble

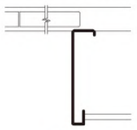




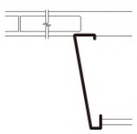
Elevator Lobby And Door Cladding



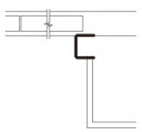
Wide type jamb with Transom



Wide type jamb



Narrow type jamb



Elevator door jambs are the vertical frames that surround the elevator door opening. They can be classified based on their width:

- **Wide jambs**
- **Narrow jambs**
- **Full height jambs**

There are two types of elevator destination dispatch systems:

FULL DCS type:

- HDCs are installed on every floor.
- No need for destination floor buttons in the elevator cars.

HYBRID DCS type:

- HDCs are installed on specific floors.
- Usual hall buttons and destination floor buttons are used on other floors.

Elevator Hall indicators:

- Digital Displays
- Illuminated Buttons
- Voice Announcements
- Vintage mechanical type

Cabin Dispatch System

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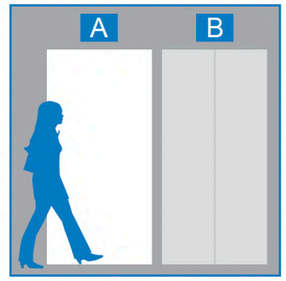
1 SELECT your destination floor

The display will tell you which elevator has been assigned to you.

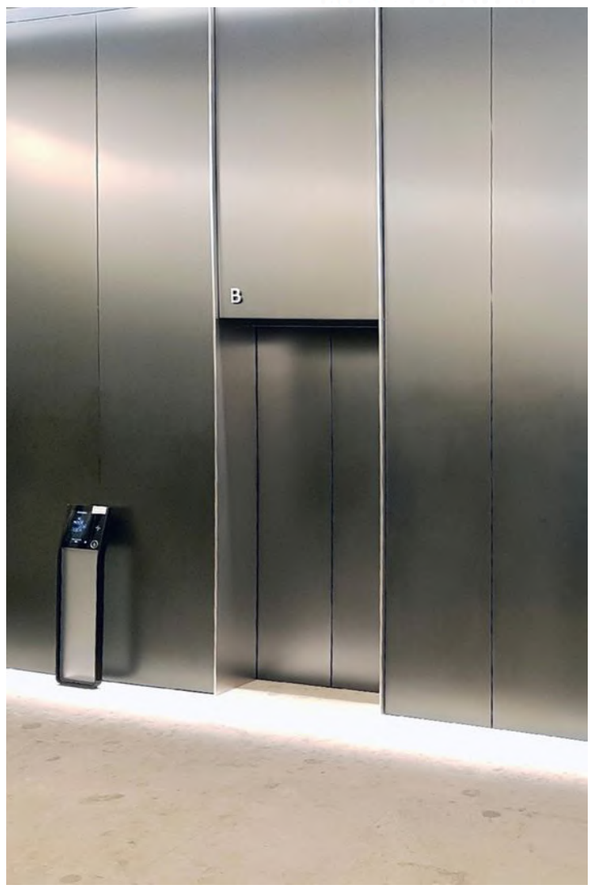
2 MOVE to your elevator

Approach the designated elevator.

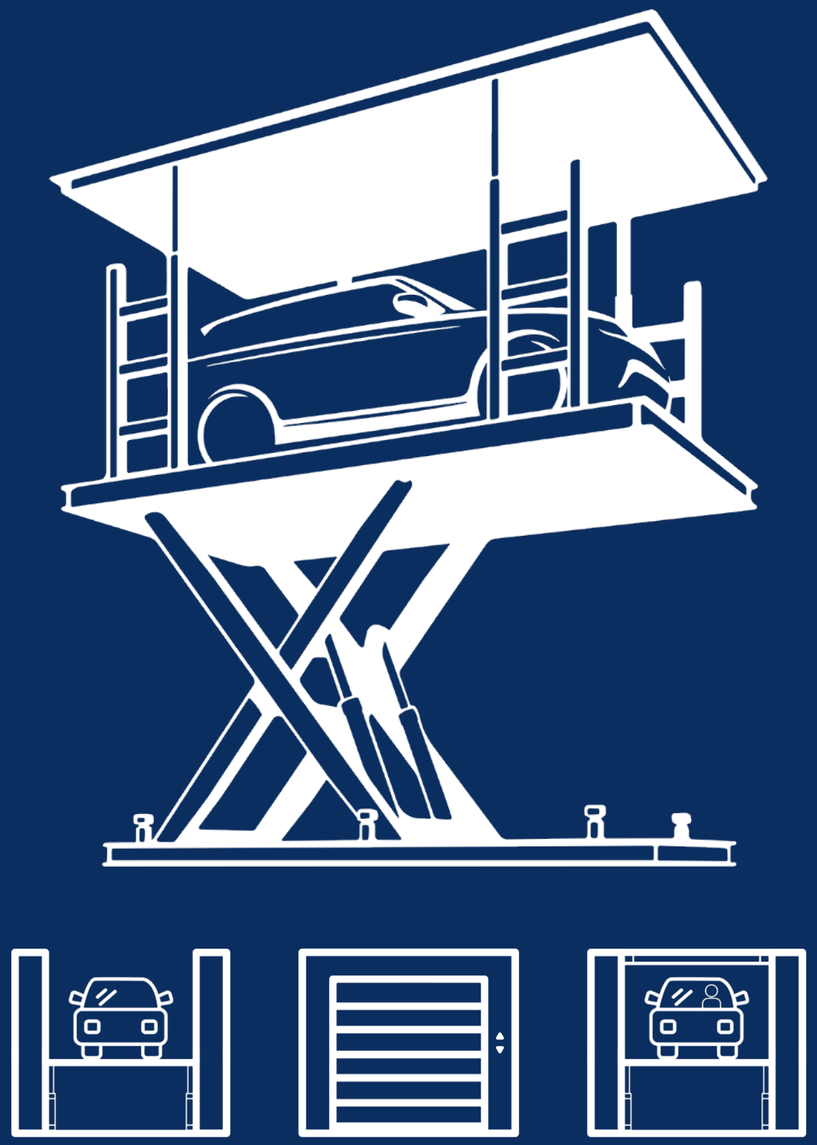
3 ENJOY the journey



Travel to your destination quickly and comfortably.



Car Elevators



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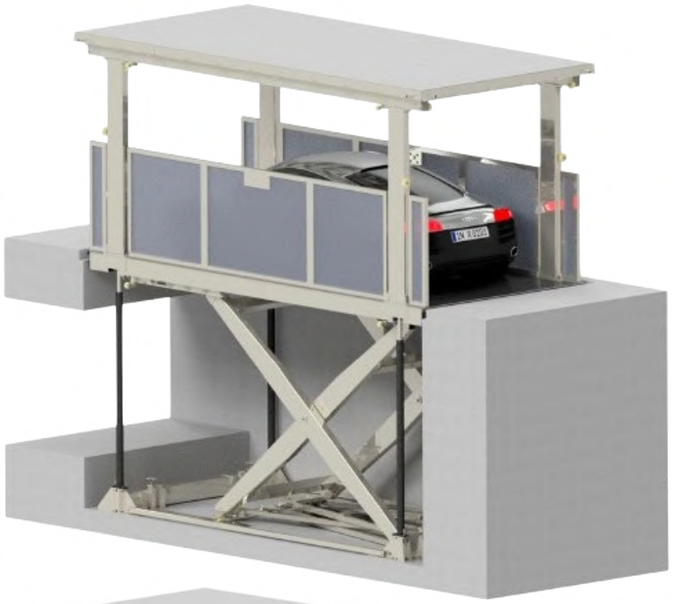
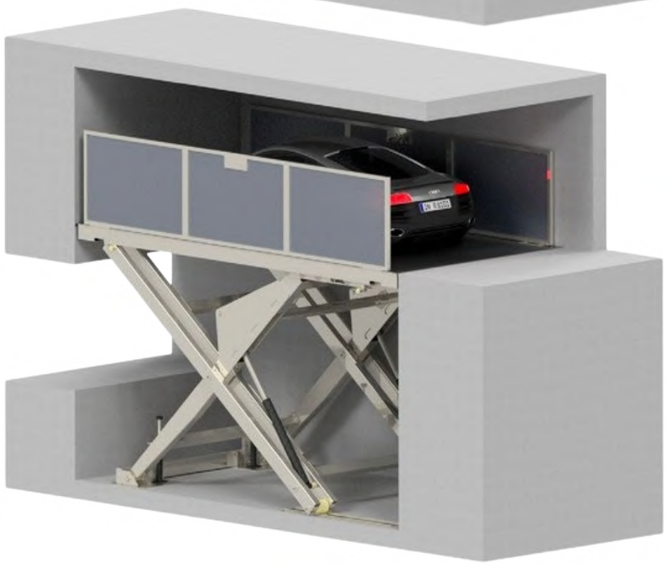
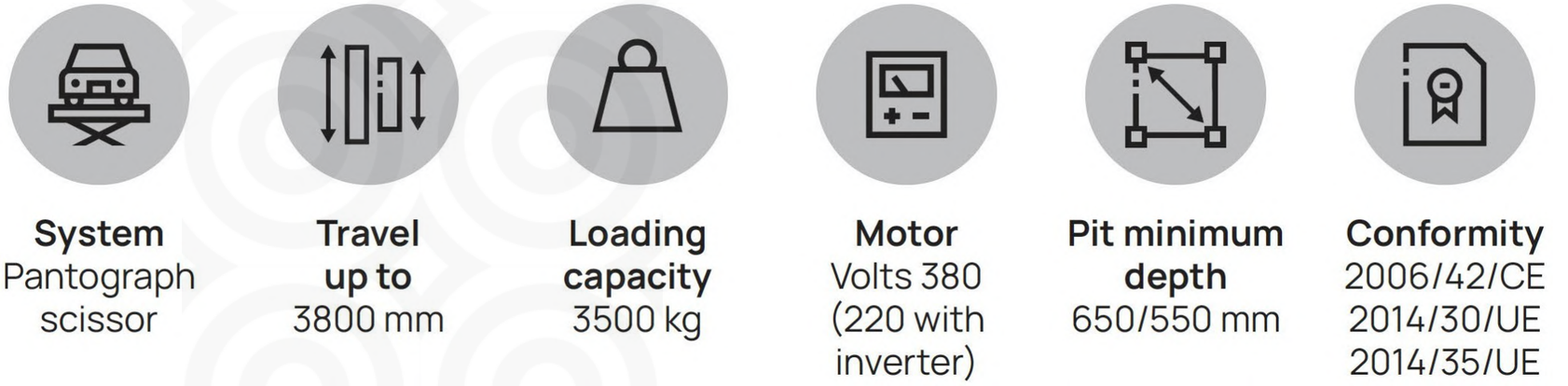
Scissor Car Elevators



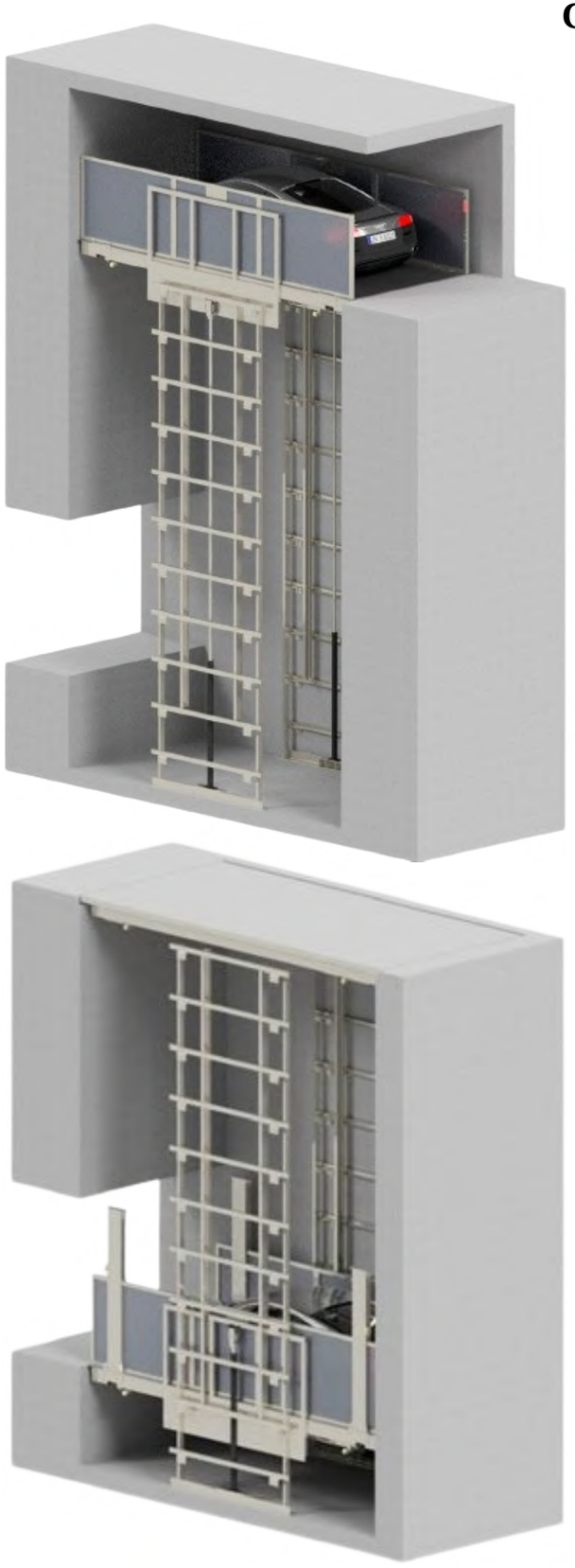


Scissor Lift Characteristics

- **Capacity:** Scissor lifts can handle heavy loads, with maximum capacities reaching up to 20,000 kg.
- **Speed:** While capable of lifting substantial weight, scissor lifts have a relatively slow operating speed, typically reaching a maximum of 0.15 m/s
- **Customization:** These lifts can be tailored to specific needs, including custom flooring options to suit various applications.
- **Safety:** Scissor lifts prioritize safety with the incorporation of multiple sensors to prevent accidents and ensure stable operation.



MRL car elevators



MRL Car Elevator Characteristics

- **Capacity:** MRL car elevators function similarly to passenger elevators, and can reach up to 4000 kg

- **Speed:** These elevators offer a higher speed compared to scissor lifts, reaching up to 1 m/s.

- **Travel Distance:** Typically designed for shorter distances, MRL car elevators can cover up to 12 meters of vertical travel, suitable for approximately 4 to 5 floors.

- **Technology:** Advanced features like access card programming allow for convenient and secure elevator callings as the car approaches the floor.

System	Travel	Loading capacity	Motor	Conformity
Column	From 0 up to 12000 mm	3500 kg	Kw 7,5 Volts 380	2006/42/CE 2014/30/UE 2014/35/UE

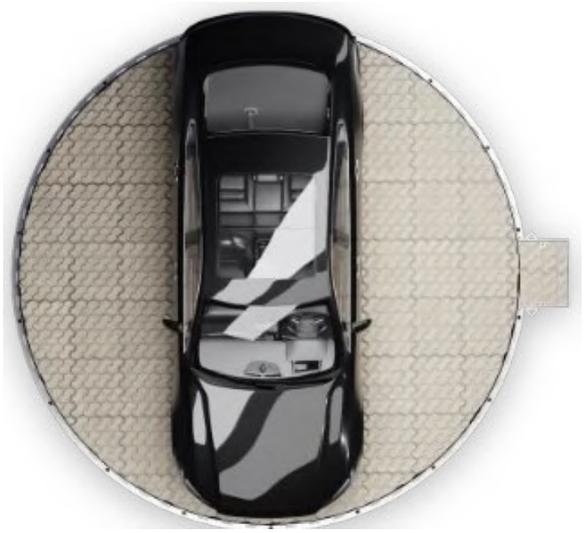
Parking stackers

Car Parking Stacker Characteristics

- **Capacity:** Car parking stackers are designed to handle the weight of vehicles, with maximum capacities reaching up to 3000 kg per vehicle.
- **Speed:** Similar to scissor lifts, car parking stackers operate at a relatively slow speed, typically reaching a maximum of 0.15 m/s.
- **Configuration:** To accommodate different parking space requirements, car parking stackers come in various configurations, including single-post, two-post, and four-post models.
- **Vehicle Height:** These systems are designed to accommodate standard vehicle heights, with a clearance of around 2.8 meters.

System	Loading capacity	Motor	Total pit height	Conformity
Column	2500/3000 kg each car	Kw 5,5/7,5 Volts 380 (220 with inverter)	2300 mm Interfloor distance: 2000 mm	2006/42/CE 2014/30/UE 2014/35/UE

Rotating platforms



Turntable Characteristics

- **Size:** Car turntables for residential use typically have a diameter of up to 6000 mm.
- **Location:** These turntables can be installed both indoors in basement parking or outdoors on ground level parking areas.
- **Capacity:** Capable of handling the weight of most vehicles, car turntables can support up to 8000 kg.
- **Rotation:** They provide a full 360-degree rotation in both clockwise and counterclockwise directions.
- **Installation:** Car turntables can be installed flush with the floor or elevated with an access ramp.
- **Control:** Operation is typically controlled using a remote control or fixed wall buttons.

Flooring options

Loading capacity
3500 kg
or upon request

Standard platform diameter
3975 / 4275 / 4975 mm
or custom-made

Height
350 mm (with flooring)
300 mm (without flooring)

Conformity
2006/42/CE
2014/35/UE
2014/30/UE

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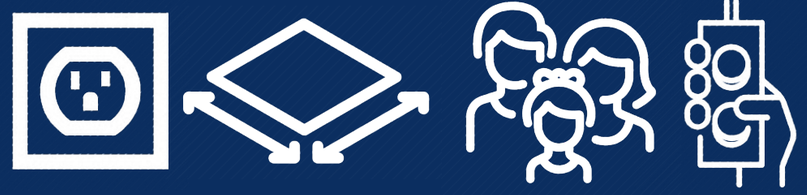
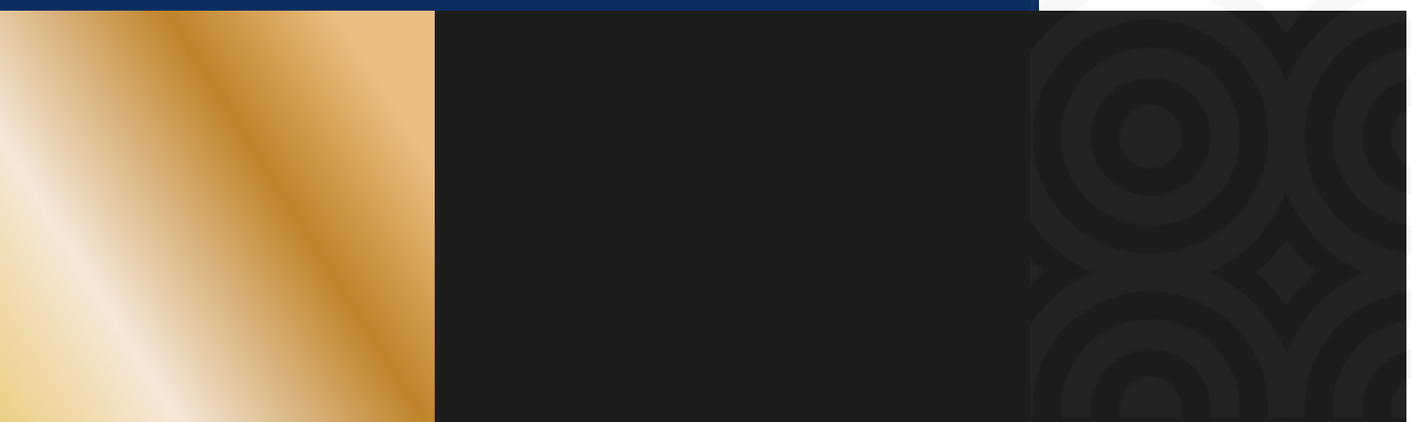
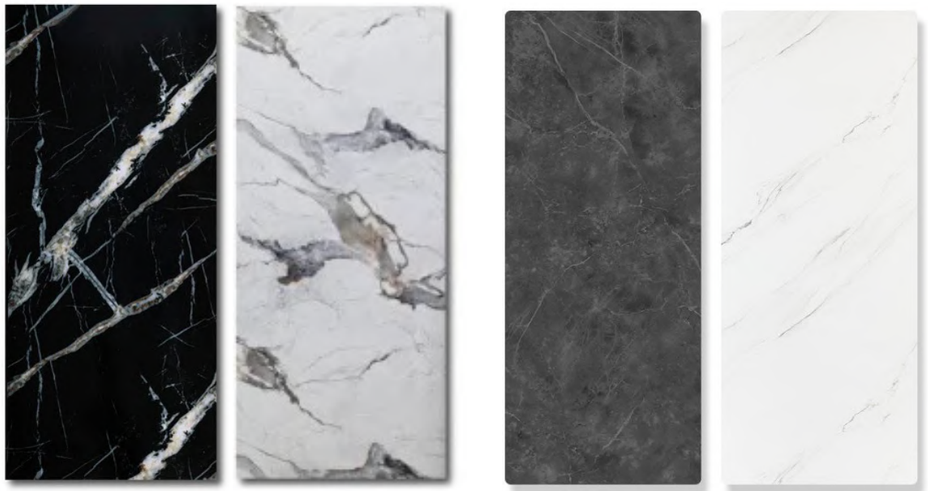
Pit-less & Platform Elevators

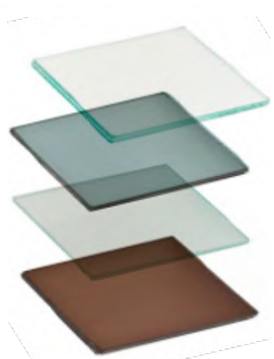




Platform lifts

Customziation





Platform Lift Characteristics

- **Panoramic Design:** Three sides of the lift can be made entirely of glass, offering stunning views.
- **Minimal Space Requirement:** Only a 5 cm pit and 2300 mm overhead clearance are required.
- **Structural Support:** A full concrete wall supports the machinery on one side.
- **Door Options:** Available with automatic double swing or single swing center opening doors.
- **Speed:** Maximum speed of 0.3 m/s.
- **Safety Features:** Equipped with sensors on all sides that immediately stop the lift upon contact.
- **Modern Controls:** Features modern screens instead of traditional buttons.
- **Customizable Lighting:** Allows for personalized lighting settings through a smartphone app.
- **Structural Stability:** Constructed with a thin steel frame for the glass panels.

Centric Elevators
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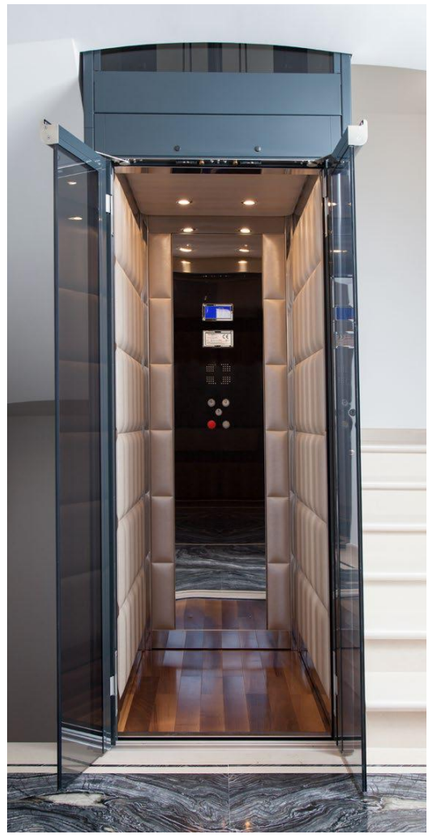
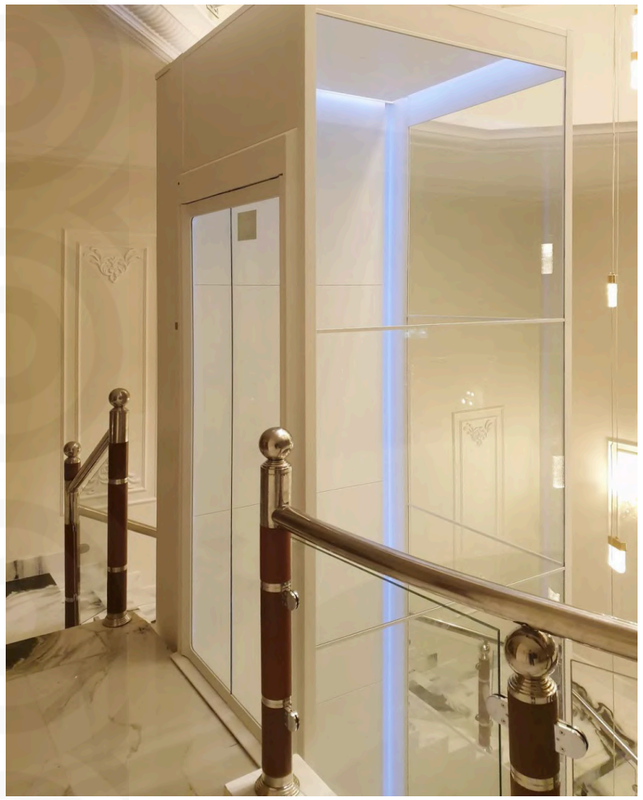
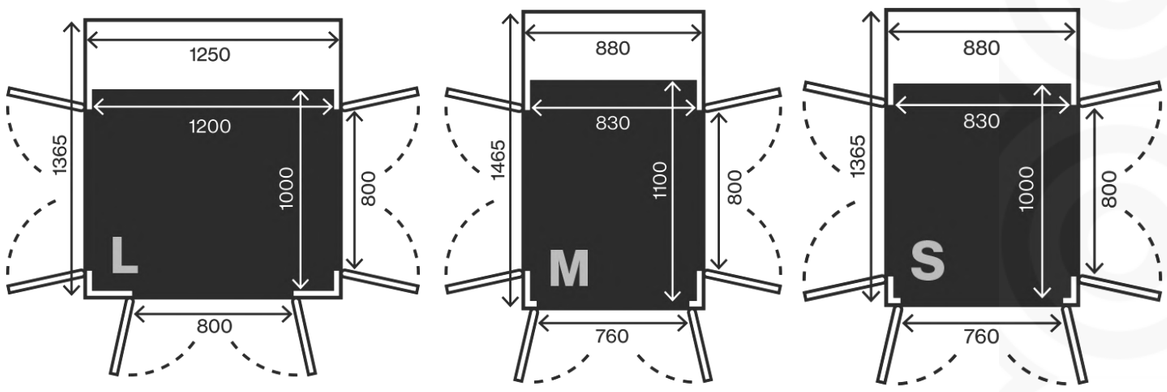
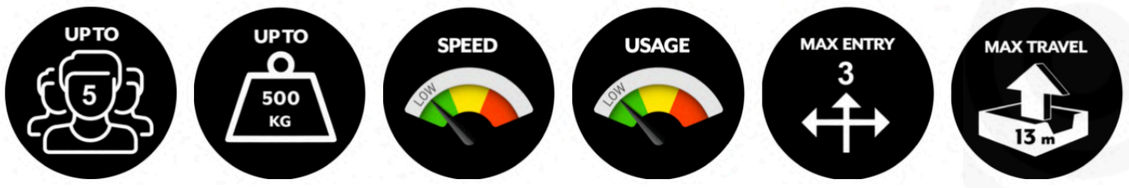


Platform lifts

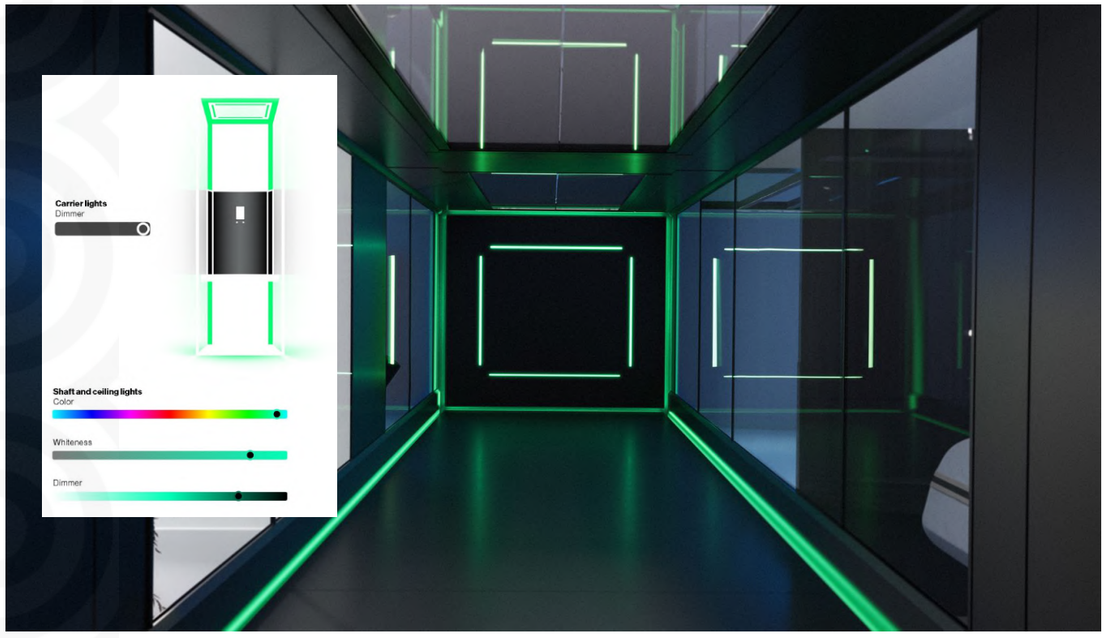


Footprints - Fits Any Size





Ceiling and lights



Centric Elevators
Craft. Elevate. Connect.

Stitlz Duo and Trio

Footprint Size

Small Footprint
One of the smallest footprint of any wheelchair lift – covers just 0.8m² surface area.

Quiet
Powered by a quiet electric self-contained motor – no noisy hydraulics.

Fast Installation
Lifts are made up of modular sections – standard installs take just one day.

Power Consumption
Plugs into normal 13 amp power socket – like any other household appliance.

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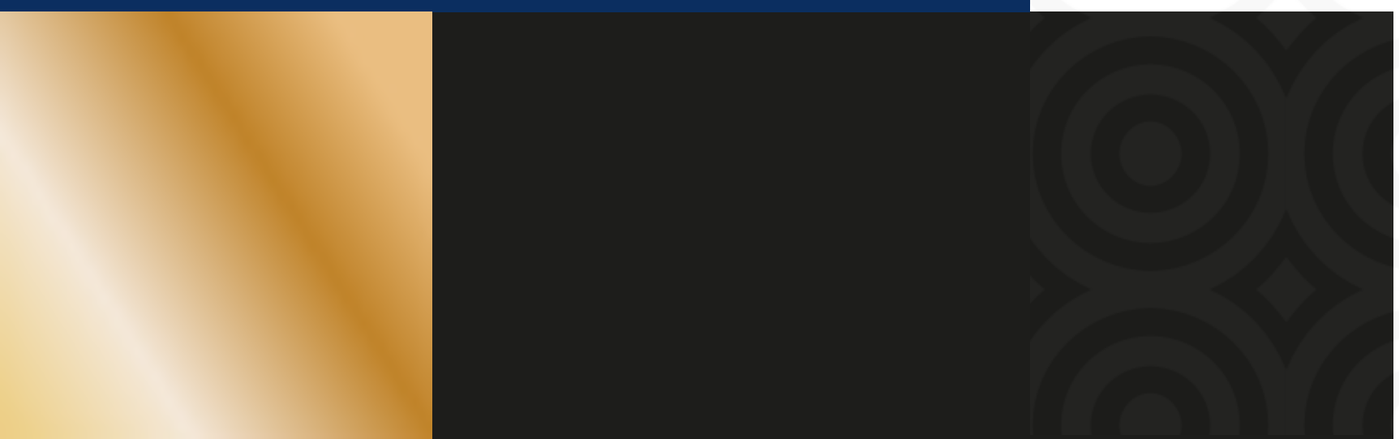
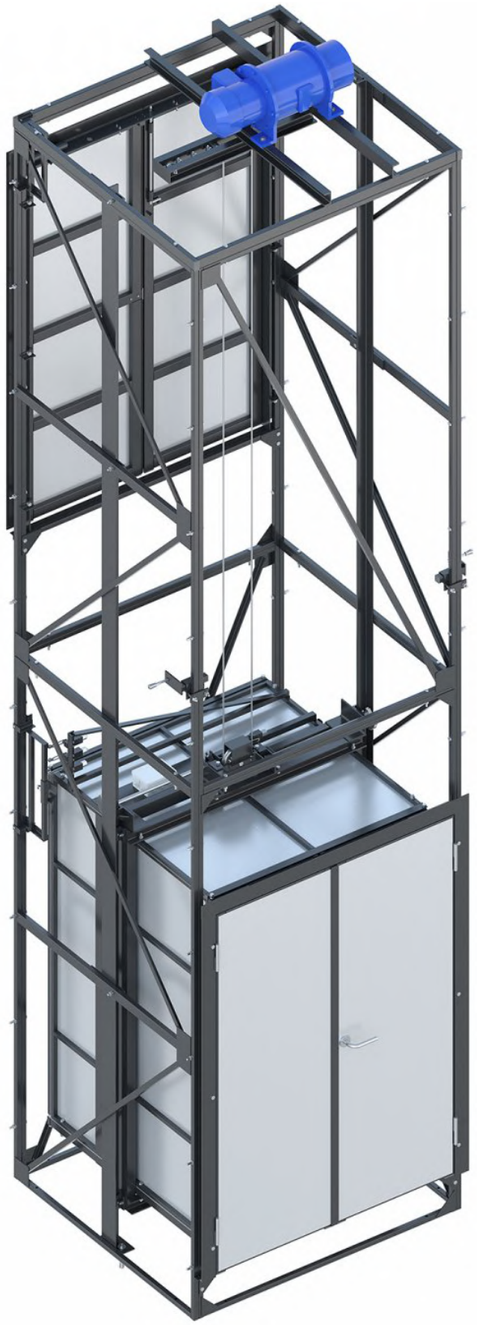
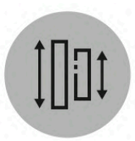
Accessibility & service lifts



Freight elevators

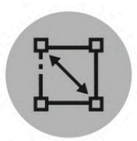




Travel
From 0 up to 12000 mm

Loading capacity
Customisable

Motor
Kw depending on the loading capacity
Volts 380
(220 with inverter)



Pit minimum depth
800 mm

Conformity
2006/42/CE
2014/30/UE
2014/35/UE

Chair stair lifts:

- It can be straight or curved
- Equipped with remote control and safety features
- Various chair finishes and colors are available

Wheelchair stair lift platforms:

- Accommodates all types of wheelchairs
- Can follow the shape of stairs

Freight Elevators and Cargo Lifts

- **Capacity:** Higher load-bearing capacity compared to passenger elevators.
- **Construction:** Robust and durable to handle heavy loads and frequent use.
- **Interior:** Typically finished with durable materials to withstand wear and tear.
- **Doors:** Often wider and larger to accommodate oversized items.
- **Safety Features:** Equipped with specific safety features to protect both goods and operators.

Dumbwaiters

- Up to 250 kg / 1m/s
- Used for items like food, laundry, or small packages

stairlifts and platforms

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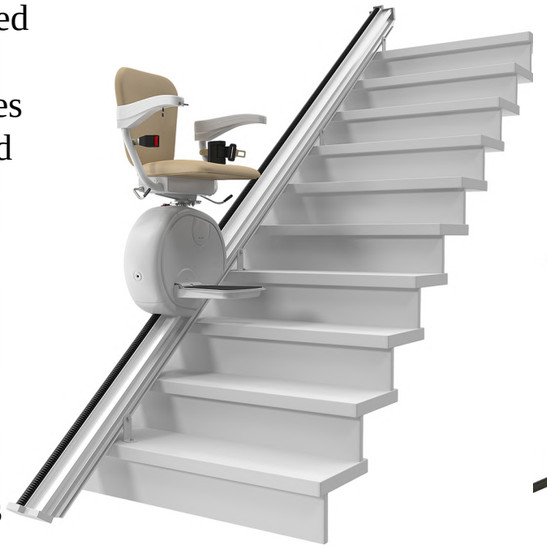
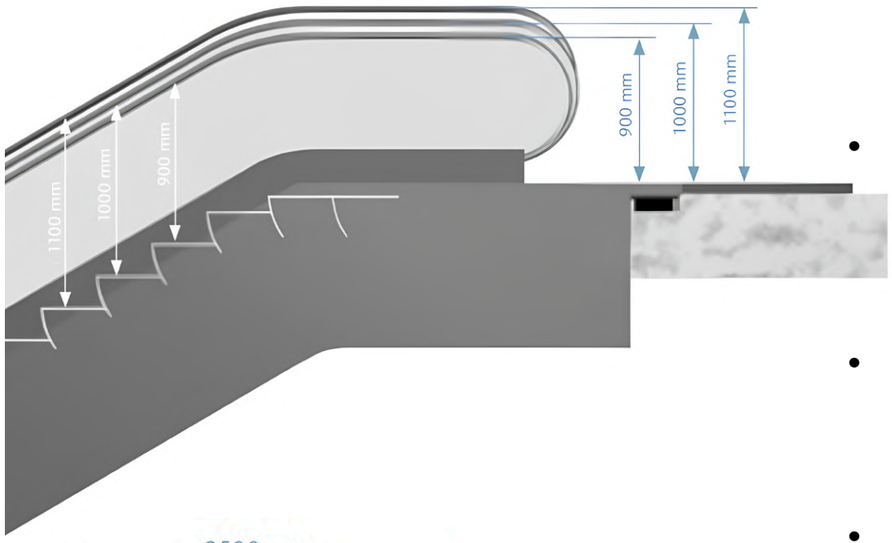
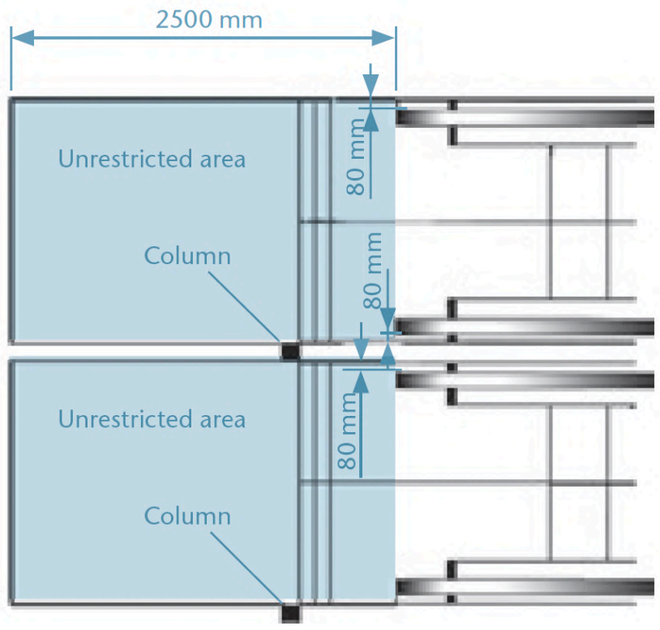
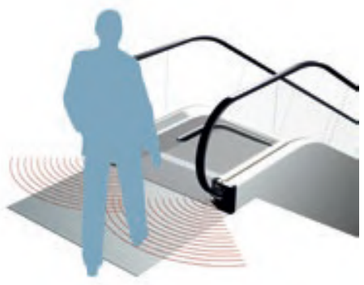


Escalators & Moving walks

Escalators

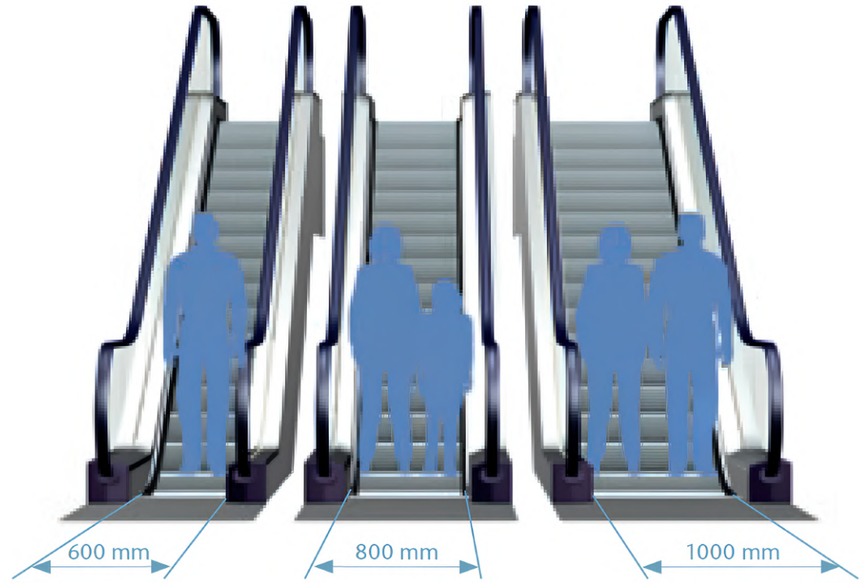


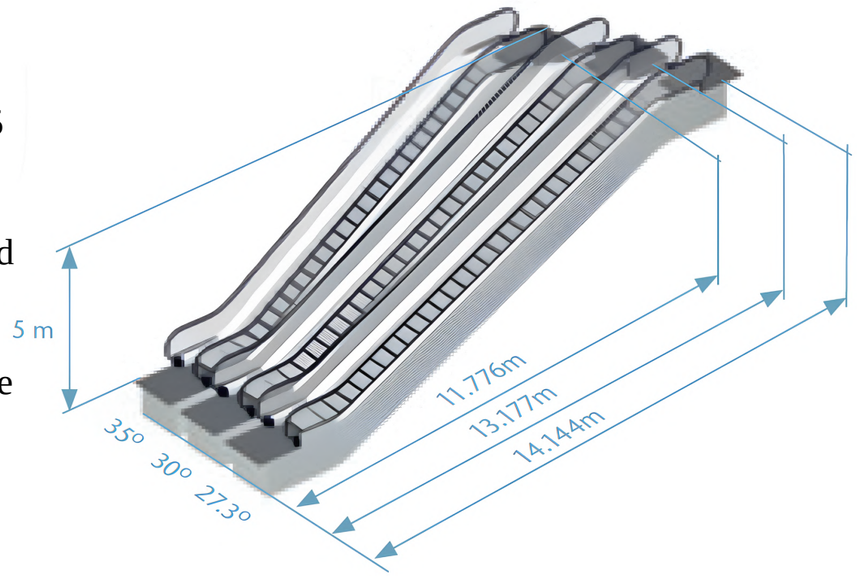


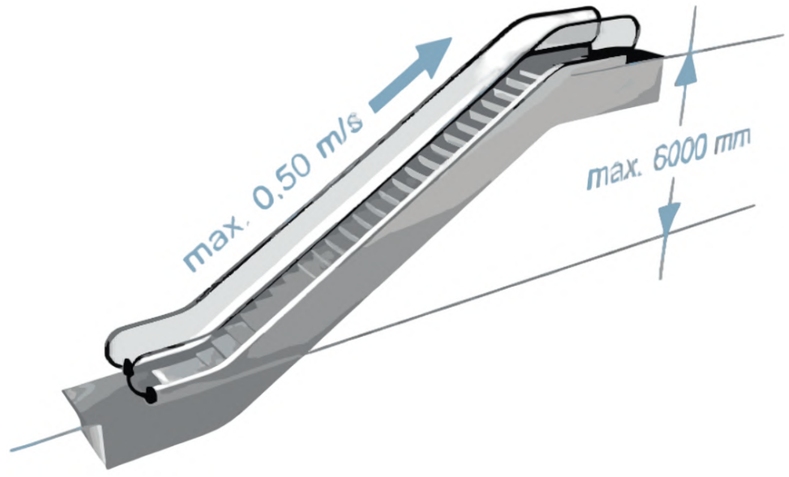


Escalators characteristics

- **Step Width:** Typically 600mm, 800mm, or 1000mm. Wider steps offer more comfort but increase the cost.
- **Inclination Angle:** Usually between 23.2° and 35°. Angles steeper than 35° are generally not recommended for heights exceeding 6 meters or speeds above 0.5 m/s.
- **Balustrade Height:** Varies based on local regulations and safety standards to protect passengers.
- **Height:** Corresponds to the vertical distance covered by the escalator.
- **Speed:** Typically ranges from 0.5 m/s to 0.65 m/s
- **Configurations:** Escalators can be configured in various ways, including parallel configurations where two or more escalators run side-by-side. Other configurations include curved, inclined, and declined escalators to suit specific architectural requirements
- **Passenger Detection:** This feature is essential for all operational modes except continuous mode. Photocells and radar devices are commonly used to detect passengers on the escalator.
- **Standby Speed and Power Saving:** To conserve energy, escalators often operate at a reduced speed when there are no passengers present. This standby mode helps in reducing energy consumption without compromising safety.







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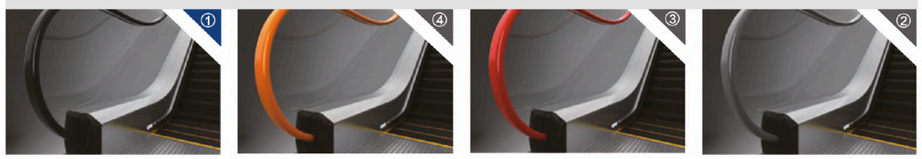
Inner and outer decking

✓ Hairline stainless steel

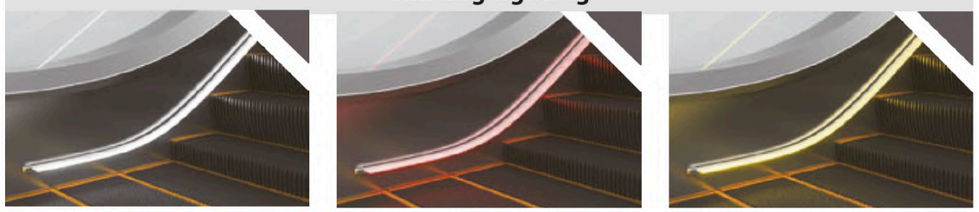
❍ Aluminium alloy

Handrail colors



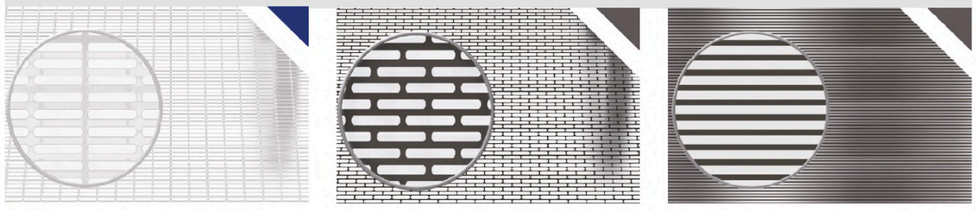
✓ Black ❍ Yellow ❍ Red ❍ Grey

Skirting lighting



❍ White ❍ Red ❍ Yellow

Front panel



✓ Square groove black painting ❍ Brick design ❍ Striped groove black painting

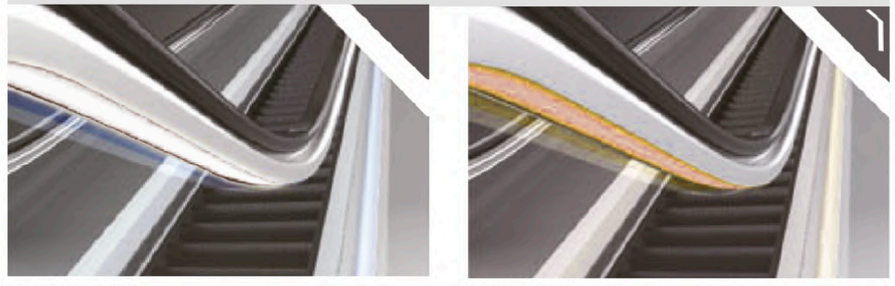
Escalator Customization Options

- **Handrail Color:** Customizable to match building aesthetics.
- **Skirting Lighting:** Enhance visual appeal and ambiance.
- **Front Panel Material:** A variety of materials and finishes are available.
- **Escalator Step Material:** Options for durability, appearance, and slip resistance.
- **Handrail Underlighting:** Creates a distinctive visual effect.
- **Running Direction Indicators:** Clear signage for passenger guidance.
- **Comb Design:** Customization for aesthetic and functional purposes.

Escalator step

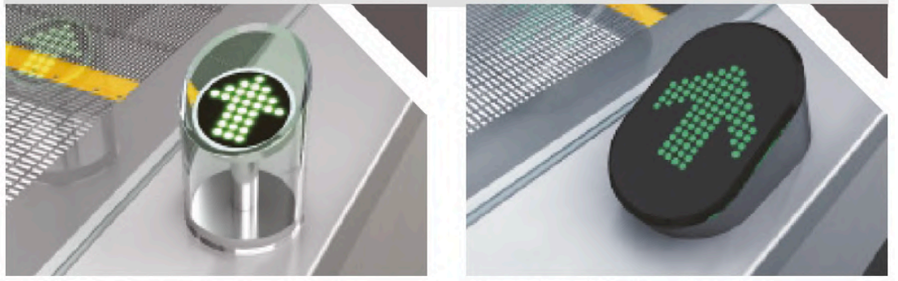
✓ Black stainless steel with yellow line ❍ Aluminium with yellow line

Handrail lighting



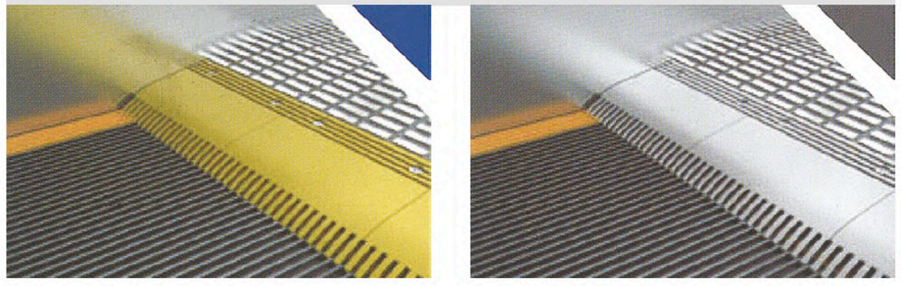
❍ White ❍ Yellow

Running direction indicator



❍ Transparent plastic Led display ❍ Black plastic dot matrix display

Combs



✓ Yellow polyester ❍ Aluminium

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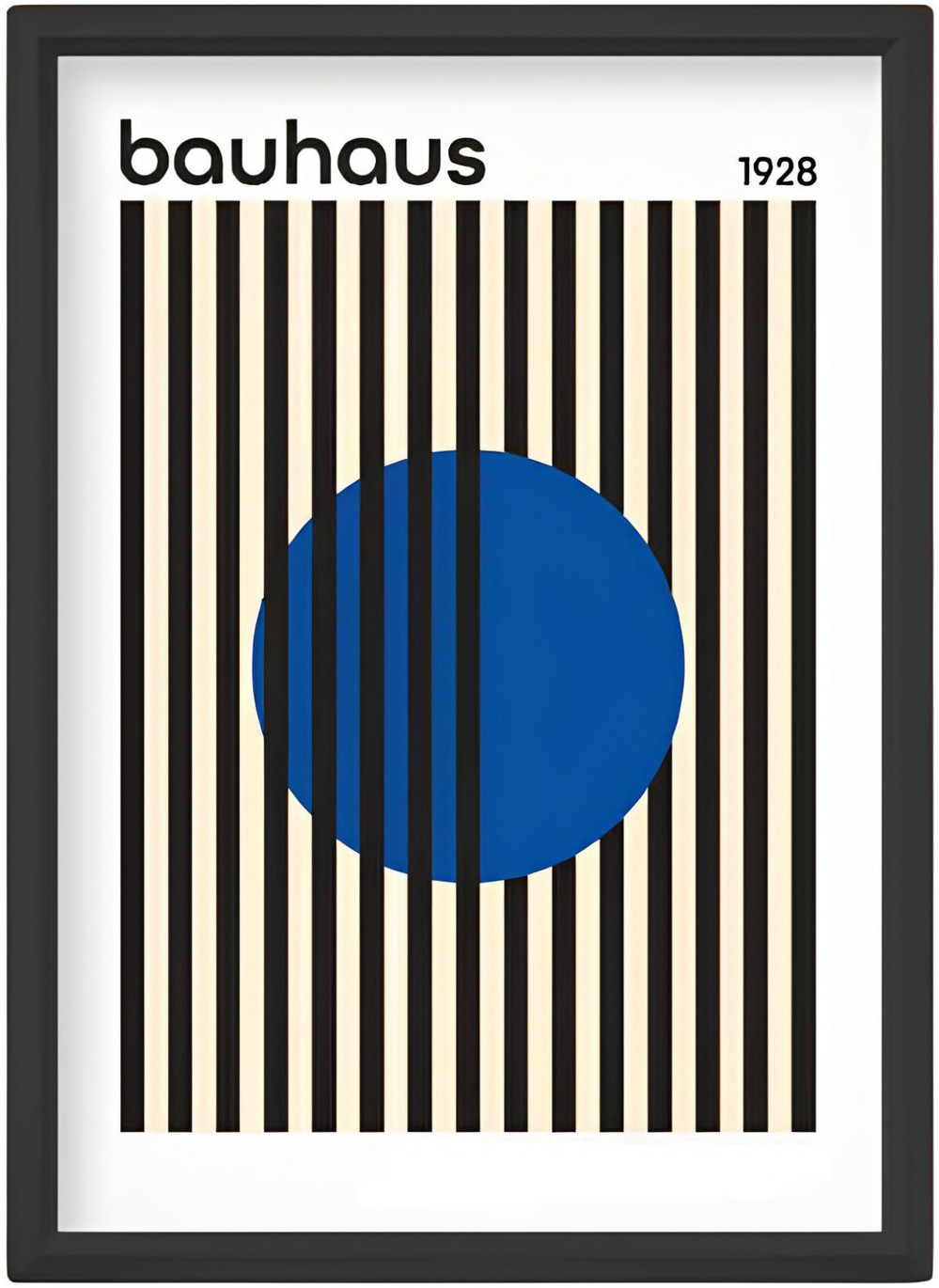
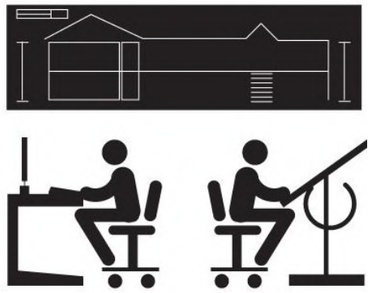
The Elevator Buying Process

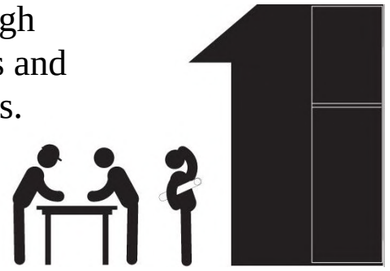


Step 1. Project Assessment and Solution Proposal



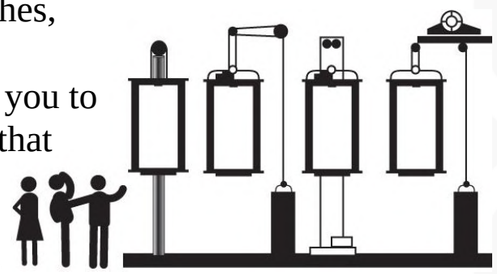
- Our experts meticulously analyze your project plans to understand your specific requirements.
- We propose the most suitable elevator solution, considering factors such as building size, capacity, speed, and aesthetic preferences.

Step 2. Site Survey and Shop Drawing Issuance and Approval



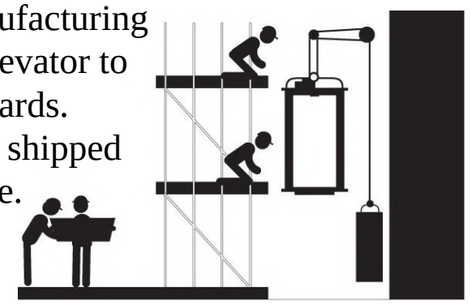
- Our engineers conduct a thorough site survey to verify dimensions and identify any potential challenges.
- Detailed shop drawings are prepared for your review and approval.
- Collaboration with consultants, contractors, or building owners ensures seamless integration.

Step 3. Design and Customization



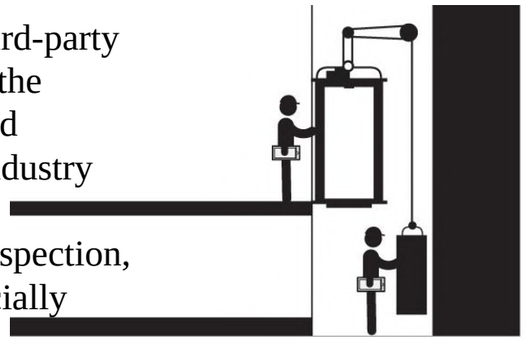
- Visit our showroom to explore a wide range of materials, finishes, and cabin designs.
- Our team works closely with you to create a customized elevator that perfectly complements your building's style.
- A detailed order specification document is prepared and signed by both parties.

Step 4. Manufacturing, Shipping, and Installation

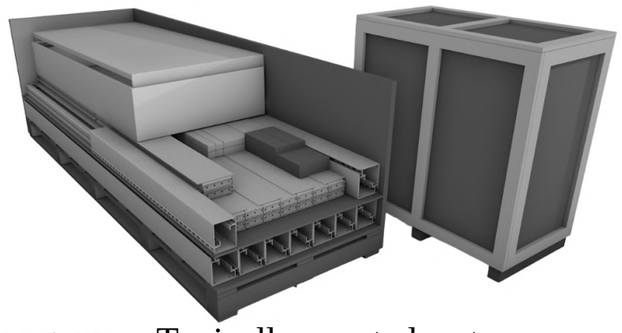


- Our state-of-the-art manufacturing facility produces your elevator to the highest quality standards.
- The elevator is carefully shipped and delivered to your site.
- Our skilled technicians handle the installation process with precision and efficiency.

Step 5. Inspection and Handover



- An independent third-party inspection verifies the elevator's safety and compliance with industry standards.
- Upon successful inspection, the elevator is officially handed over to you.
- A handover document is signed, and the warranty and free maintenance period commences.



Standard Delivery program : Typically, most elevator projects are completed within 4 months from the date of contract signing and receipt of the advance payment. Once the elevator arrives at the site, our expert installation team ensures swift and efficient setup, with completion usually within 15-20 days.

Thank you

CEC®

Craft.Elevate.Connect

Get in touch

gamal@centric-elevators.com

+971 56 9898 504

Office 1012 .1st Floor.Wavez by Danube.Liwan.Dubai. UAE

Mohamed Gamal