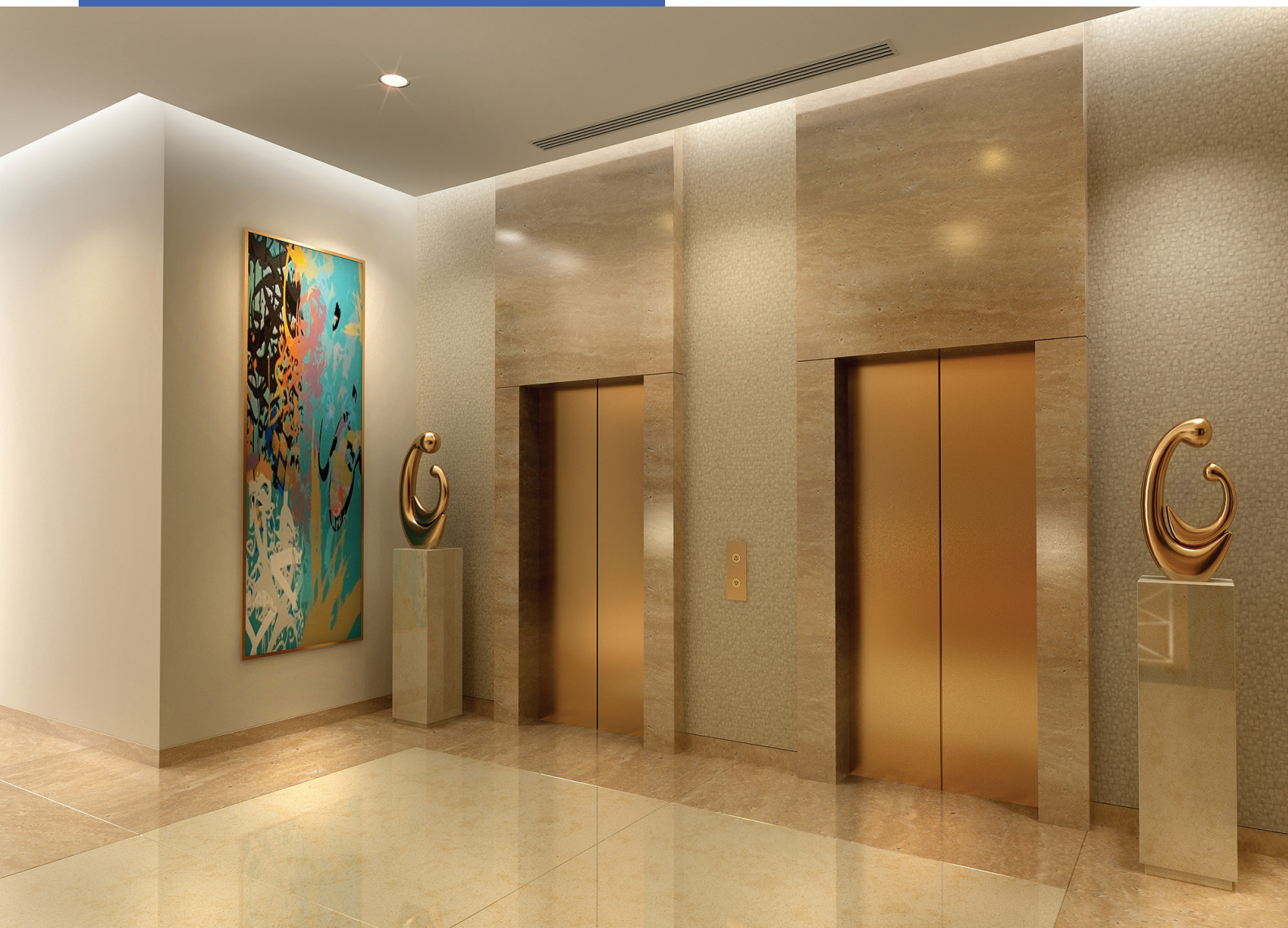


# RESIDENTIAL & COMMERCIAL ELEVATORS

**MONARCH**  
ELEVATORS



## Our range of products

Home Elevators   Freight Elevators   Hospital Elevators   Automobile Elevators   Dumb Waiters

Monarch is one of the fastest growing companies in the vertical transportation industry with in house R&D and manufacturing facilities. Safety and reliability form a part of our core values.

With our elegant design and best-in-class functionality, Monarch elevators are perfect blend of our technical expertise and Indian design sensibilities. It also underscores our commitment to the 'Make in India' initiative.

We have formed a strong 'technical team' with years of experience to provide necessary inputs at design stage, sales, installations and after sales service. Our services will be the best in class to support our customer while exceeding their expectations.

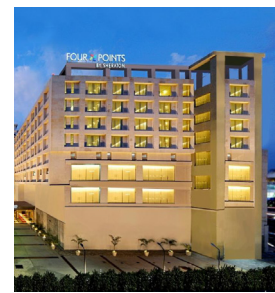
Monarch Elevator manufactures a full range of geared or gearless, machine-room or machine-roomless elevator in india. With over 33 years of experience, we've become one of india's leading elevator company with unique engineering capabilities to meet vertical traffic needs.

## We cater to many sectors in real estate such as,

**Residential Buildings:**



**Restaurants:**



**Shopping Centres:**



**Office Buildings:**



**Hospitals:**



**Factories and Warehouses:**



# Reasons to Choose Our Elevators



## Energy Efficiency:

Gearless technology with use of Regenerative and power saving LED lighting.



## Best In Comfort:

Anti vibration rubber pads with VVVF Drive gives better comfort



## Lower Noise:

Very silent operation and low Running noise.



## Design Innovative:

Our award winning design helps your elevator standout



## Smooth Ride:

Smooth ride comfort for best passenger experience



## Environmental Protection:

Lubrication free, space saving layout



## Safety And Reliability:

Monarch Rescue device for power failure multibeam sensor for doors and Accurate levelling



## Long Life Span:

High quality bearings, nylon guide shoes, High tension ropes increases life span in full load conditions



# Monarch (HAE) Series

## Hydraulic Automobile Elevator

These elevators are designed for moving automobiles vertically in car showrooms, residential apartments, shopping malls and more.

### Advantages:

- **Space savings:**

Architects are at ease while designing as it gives them lot of space saving area and flexibility.

- **Easy to use basement:**

With no requirement of ramp, it helps in easy access to basement.

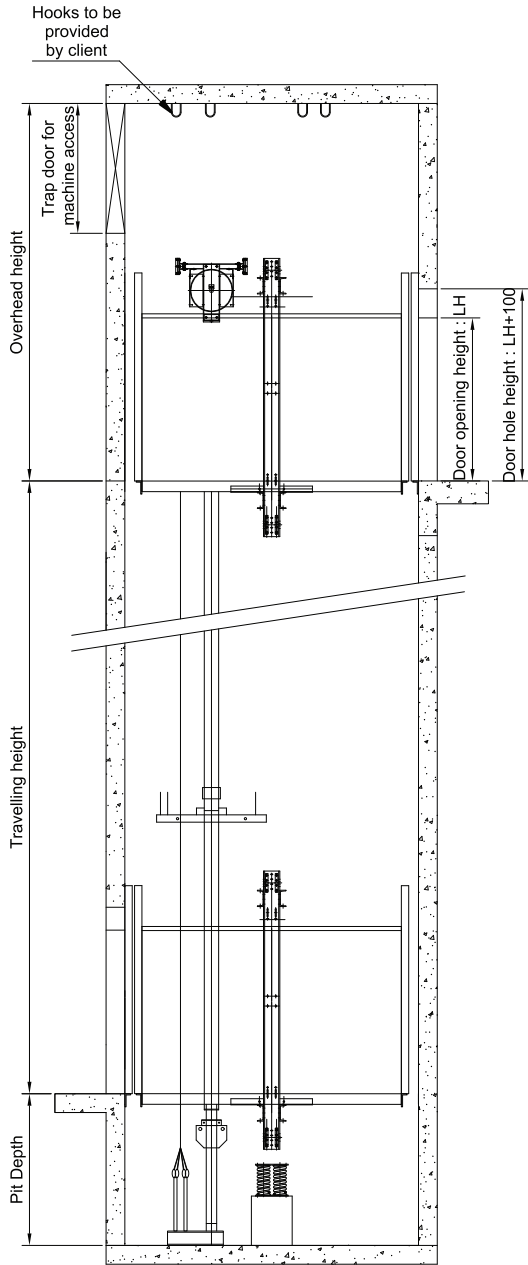
- **Rooftop packing**

High Density locations where horizontal and space is at a premium, rooftop parking solutions can be provided.

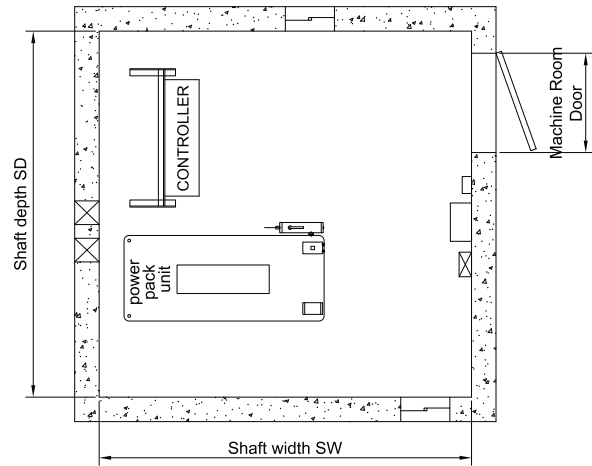


# Construction Parameters

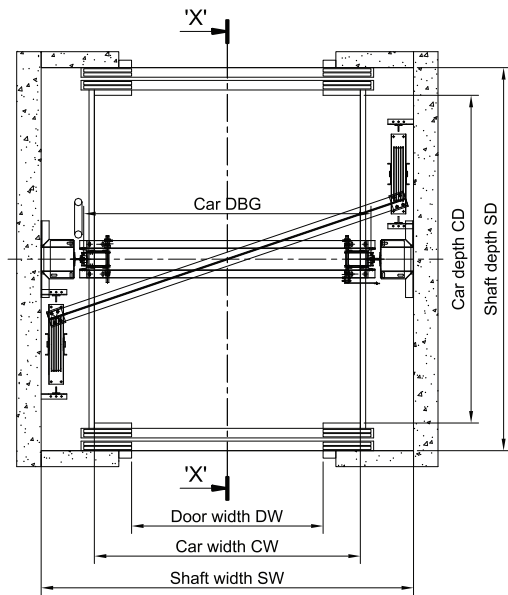
## Hydraulic Automobile Elevators-HAE series



Shaft Vertical Section-'X-X'



Machine Room Plan



Shaft Plan

### Standard Dimensions

Load (kg)	Speed (m/s)	Car Width (CW)	Car Depth (CD)	Shaft Width (SW)	Shaft Depth (SD)	Door Opening (DW)	Pit depth	Min.Headroom height
2500	0.2 / 0.5	2250	5500	3250	5925	2250 X 2100	1500	4000
2500	0.2 / 0.5	2300	5600	3320	6025	2300 X 2100	1500	4000
2500	0.2 / 0.5	2500	5700	3520	6125	2500 X 2100	1500	4000
3000	0.2 / 0.5	2800	5800	3925	6225	2800 X 2100	1500	4000

# Monarch (GMA) Series

## Gearless Machine Room Automobile Elevator

These elevators have lower average speeds, heavy load capacity and higher factor of safety.

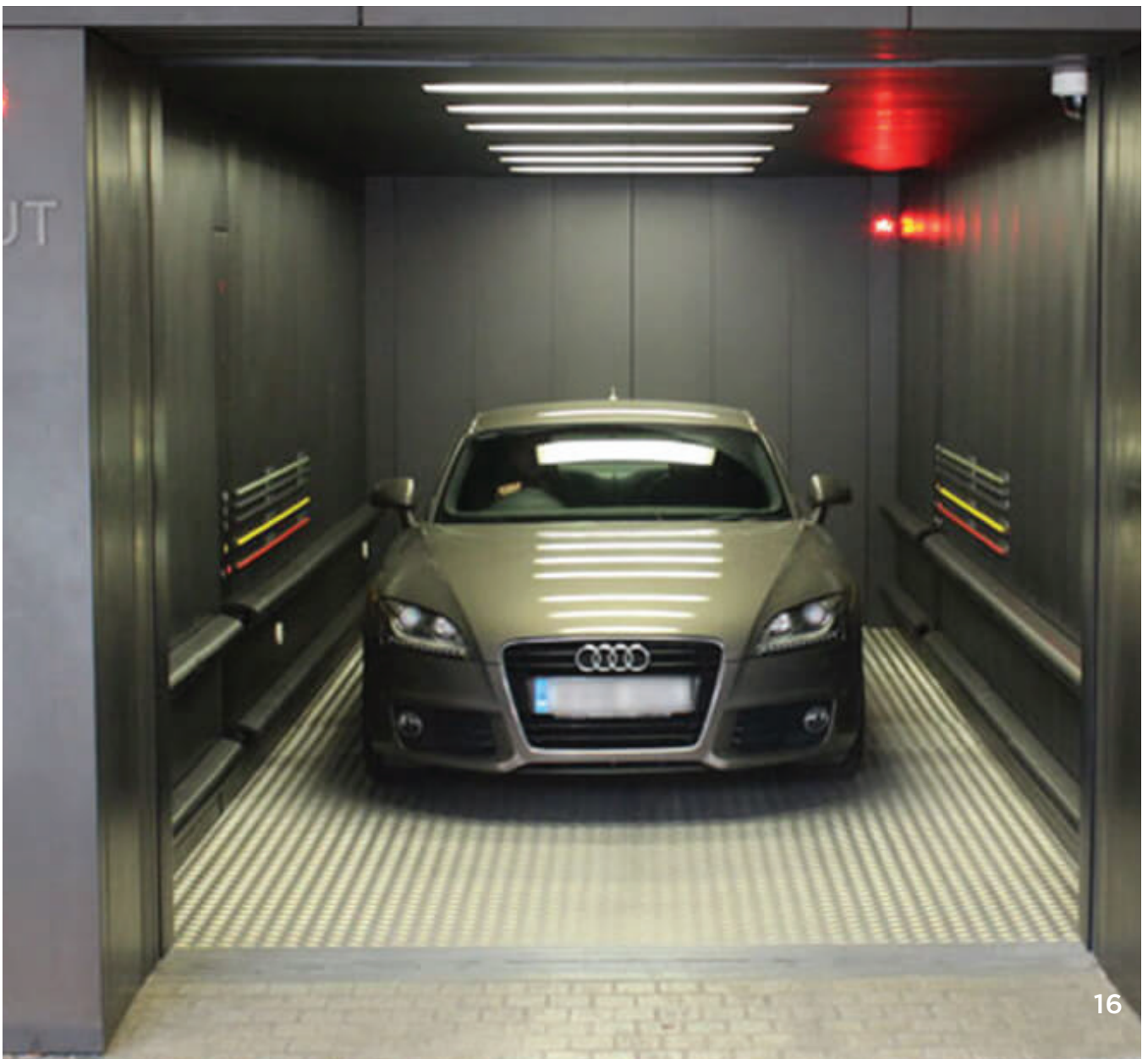
### Advantages:

- **High rise podium parking**

With Gearless traction, parking can be achieved upto higher floor of the building.

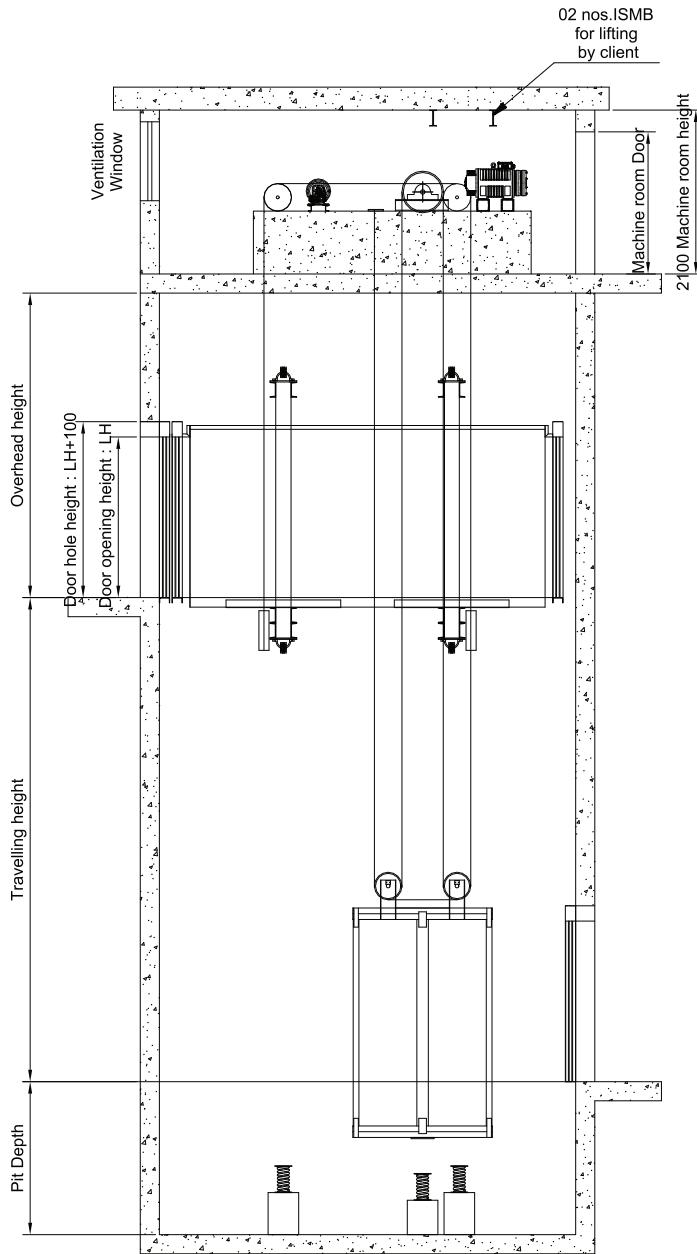
- **Easy installation and maintenance**

Large lifting capacity upto 4 tons.

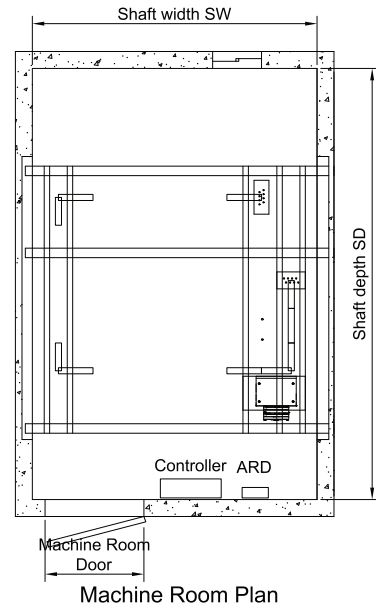


# Construction Parameters

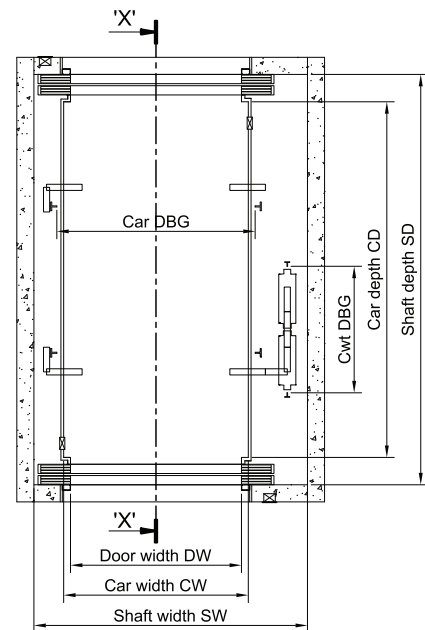
## Gearless Machine Room Automobile Elevators-GLA series



Shaft Vertical Section-'X-X'



Machine Room Plan



Shaft Plan

### Standard Dimensions

Load (kg)	Speed (m/s)	Car Width (CW)	Car Depth (CD)	Shaft Width (SW)	Shaft Depth (SD)	Door Opening (DW)	Pit depth	Min.Headroom height
2500	0.5 / 1.0	2300	5500	3800	6500	2300 X 2100	1800	5000
2500	0.5 / 1.0	2500	5700	4000	6700	2500 X 2100	1800	5000
3000	0.5 / 1.0	2600	5800	4100	6800	2600 X 2100	1800	5000
3000	0.5 / 1.0	2800	5800	4300	6800	2800 X 2100	1800	5000
4000	0.5 / 1.0	2800	6000	4300	7000	2800 X 2100	1800	5000

# Cabin Options

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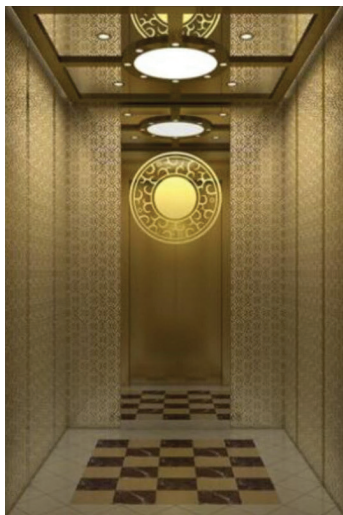
Classic Powder Coated Finish



Modern Stainless Steel



Exquisite Mirror Finish



Luxury Golden Mirror Etched



Ultra Luxury Rose Gold Finish



Black Mirror Finish



# Cabin Options

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Designer Stainless Steel



Mild Steel Powder Coated Finish



Stainless Steel Finish



Wooden Finish



Designer Wooden Finish

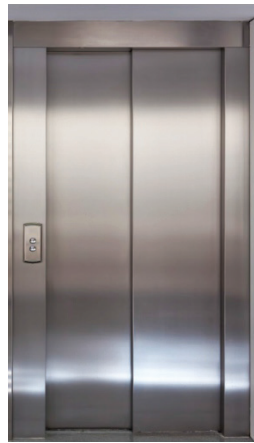


Golden Mirror Finish

# Door Options



Stainless Steel  
Centre Opening



Stainless Steel  
Telescopic



Stainless Steel  
Small Vision Door



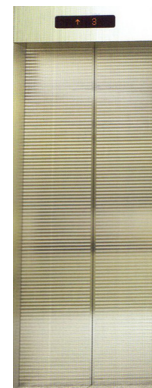
Stainless Steel Big  
Vision Glass Door



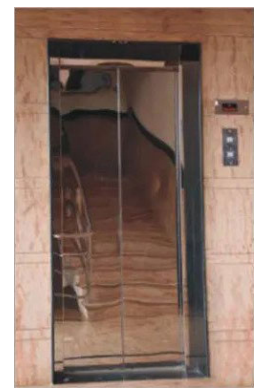
Ms Powder Coated  
Centre Opening



Ms Powder  
Telescopic Door



Stainless Steel  
Etched Finish



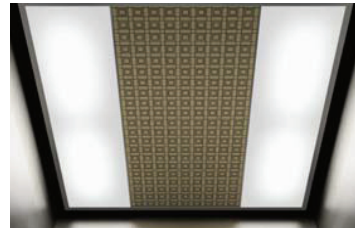
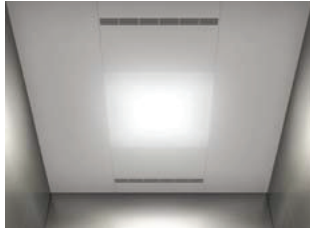
Stainless Steel  
Mirror Finish Door

Have you ever noticed how people waiting for an elevator tend to stand and look straight ahead? With that much attention, your elevator entrances better look good.

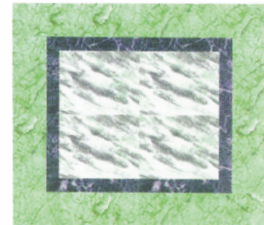
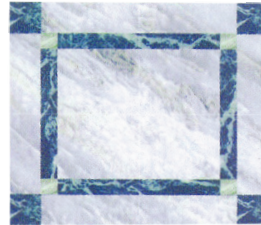
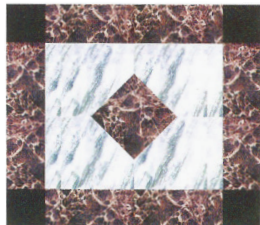
Monarch offers a variety of entrances to meet your needs for aesthetics and functionality. Centre-opening and side-slide openings are available in several stainless steel and painted finishes to add to the visual appeal of your lobby & hallways.

With Monarch you can choose from a wide variety of colours and finishes to complement your architectural style. In fact you can create a custom look by mixing and matching the choices that are available to you.

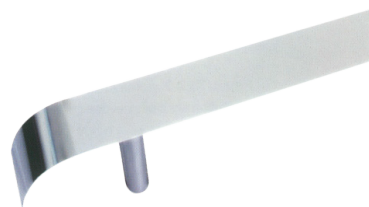
## Car Ceilings :



## Designer Floorings :



## Handrails:



# Car And Landing Operating Panels



## LCD And TFT Display



# Elevator Functions

● : Standard, ○ : Option

No.	Name	Description	
<b>Operating systems</b>			
1	<b>Simplex collective control</b>	This is a fully automatic operation used for a single elevator system. Hall calls in the direction in which the elevator is travelling are responded to sequentially and when all calls in that direction are cleared, calls in the opposite direction are responded to. When there are no more calls, the elevator will stop at the last floor served.	●
2	<b>Duplex collective control</b>	This is a fully automatic operation used for a two-elevator system. Hall calls are responded to by whichever elevator that can serve the hall call faster. When there are no more calls, one of the elevators will stand by at the stand by floor while the other elevator will stay at the last floor served.	○
<b>Service functions</b>			
1	<b>Attendant operation</b>	For this system the stop floor is manually set by an attendant such as in a department store.	○
2	<b>Independent operation</b>	This operation system is used when there is a need to serve special passengers. Under this operation, all hall calls are disabled for the elevator and it is reserved for exclusive use of the special passengers.	○
3	<b>Separated simplex operation</b>	When duplex collective control or group control is used, a selector switch on the control panel is used to switch between parallel operation and independent operation.	○
4	<b>Interphone system</b>	An interphone system is provided for emergency communication between the elevator and the master unit on the ground floor.	●
5	<b>Floor lock-out operation</b>	Specific service floors can be locked-out by activating a switch.	○
6	<b>Temporary call registration of certain restricted floor</b>	By inputting a pre-programmed code using the car operating board floor buttons, passengers can gain access to certain restricted floors.	○
<b>Safety functions</b>			
1	<b>Abnormal speed protection function</b>	In the event that the elevator is moving downwards at an abnormally high speed, the brakes will be automatically engaged and the elevator will cease operation.	●
2	<b>Out of door-open zone alarm</b>	In the event that the elevator stops out of the door-open zone of a selected floor, doors will not open, and an alarm will be sound in the elevator.	●
3	<b>Rescue operation</b>	When the elevator stops out of the door-open zone, it will move to the nearest floor at slow speed to release passengers.	●
4	<b>Micro-leveling</b>	Automatic correction of elevator landing level when there is a level difference between car and floor.	●
5	<b>Car emergency lighting</b>	In the event of a power failure, an emergency light inside the elevator will be automatically activated.	●
6	<b>Emergency battery</b>	In the event of a power failure, this emergency supply allows the operation of a light, fan and alarm bell.	○
7	<b>Multi-beam door sensor</b>	In the event that the beam paths are obstructed, this sensor, installed at the edge of the doors, will keep the doors open.	●
<b>Information functions</b>			
1	<b>IC auto announcement (English)</b>	Preset standard messages are announced to the passengers.	○
2	<b>Arrival audio signal</b>	An electrical chime (located at the top and bottom of the elevator) will sound just before the arrival of the elevator.	○
<b>Energy-saving functions</b>			
1	<b>Regenerative system</b>	When traveling downwards with a heavy car load or upwards with a light car load, the traction machine acts as a power generator to transmit power back to the electrical network in the building.	○
2	<b>Automatic turn-off of elevator light and fan</b>	In the event that the elevator is not in use, the light and ventilation fan in the elevator are automatically turned off to conserve energy.	○



# MONARCH

ELEVATORS



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