



CLIPSTON
ELEVATORS

ELEVATOR
CATALOGUE

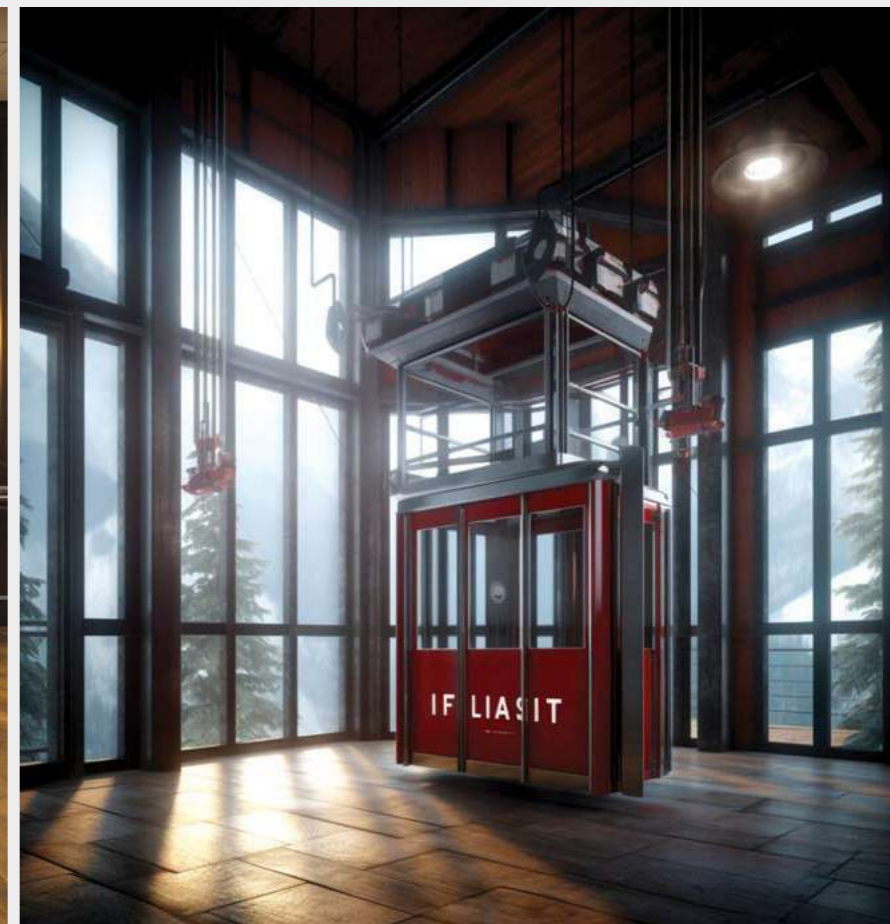


INTRODUCTION

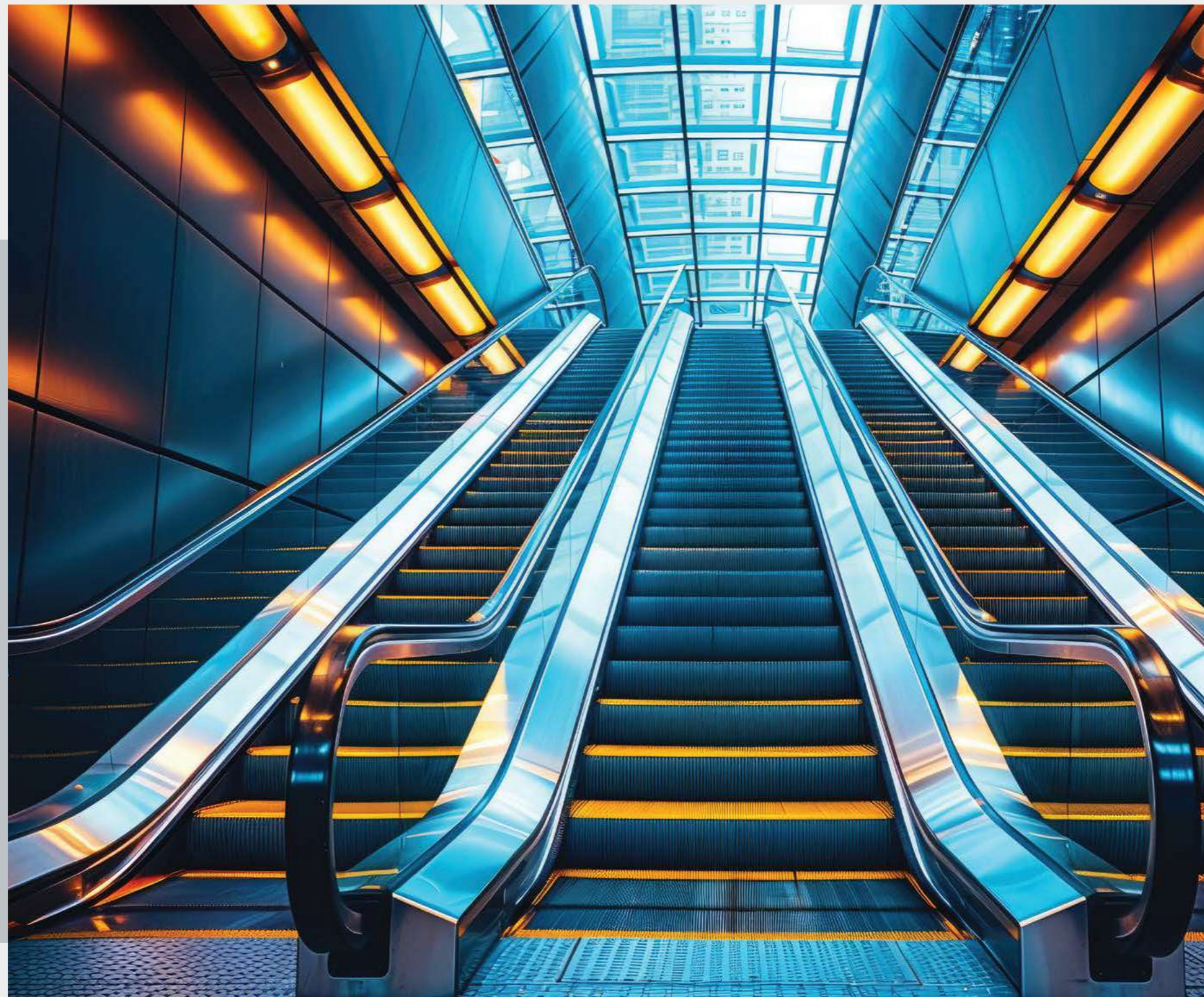
Clipston Elevator was established with passion and initiative by a group of entrepreneurs from the industry. In just a decade the company has made its mark in the market of elevators & escalators, inspired as it is by the principle of quality without compromise. It has become a brand that stands out for its capability and commitment. With a comprehensive product mix, we have installed several elevators in Star rated Hotels & Hospitals, residential building & offices. Quality and safety are the two guiding principles that are applied to all our process, from design to production, installation, and maintenance. And this commitment has made us what we are today-a name to count on.

We find pleasure in introducing ourselves as one of the reputed concerns in the world of Manufacturing and Maintenance of Elevators & escalators. Our ranges of activities cover Goods/ Bed/ passenger/Capsule/Semi Capsule with glass back elevator and supply of Equipment for the same along with supply & installation of escalators.

CONTENTS



ESCALATOR



LIFTS



MOVING WALKWAYS



Artistic background

The design of the elevator background is luxurious and unique, and the different design styles perfectly to match the various home styles.

Style lighting

Narrow space also requires well-designed lighting to create a warm and safe feeling, Clipston Elevator uses direct and indirect two kinds of lighting design, bright and soft and rich in layers to create a different artistic conception of light and shadow.

Free manipulation

The control panel of the elevator adopts a simple and beautiful design style, which is easy to operate and requires no special study. Every member of the family can operate the elevator freely



Clipston Elevator: Quality that withstand the fastidious of nobility



Driving system

Adopt the new permanent magnet synchronous gearless drive technology. Its superior driving performance has been tested repeatedly, and it is safe and reliable. Designed especially for household use, faster and more stable, comfortable and mute.

Security system

Clipston elevator performance is more reliable than you expect. Both the comprehensive safety devices and intelligent safety systems including the screen door, back source, emergency call button, can bring more careful protection for your family and you whether go up or down, come in or out.





Infinitely
possible
intelligence
and
convenience



EVS Elevator a new intelligent elevator that can be connected with the network, allowing you to enjoy the intelligence and convenience that the previous aristocracy has never enjoyed.

You can also read the elevator data through the control panel, so that you can know the operation status of elevator in real time. In addition, the remote monitoring system of the elevator will transmit the operation data to the EVS service center through the wireless network, which will give you 24 hours of intimate protection, so that the security is always around you.



EVS ELEVATOR

Our Elevator Products

- LIFT CABIN
- ELEVATOR DOORS
- OPERATIONAL PANELS
- FALSE CEILINGS
- HANDRAIL



Product Name
SS HAIRLINE FINISH
STANDARD CABIN

Description

- Rear Wall : SS Hairline Finish
- Side Wall : SS Hairline Finish
- False Ceiling : SS Hairline Finish
- Flooring : PVC



Product Name
SS MIRROR
FINISH CABIN

Description

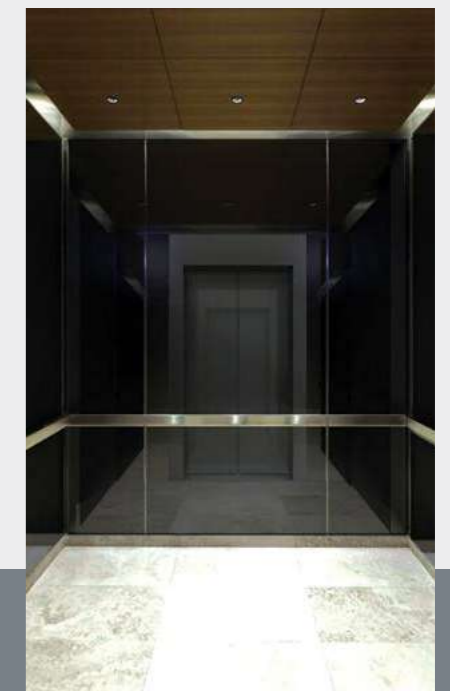
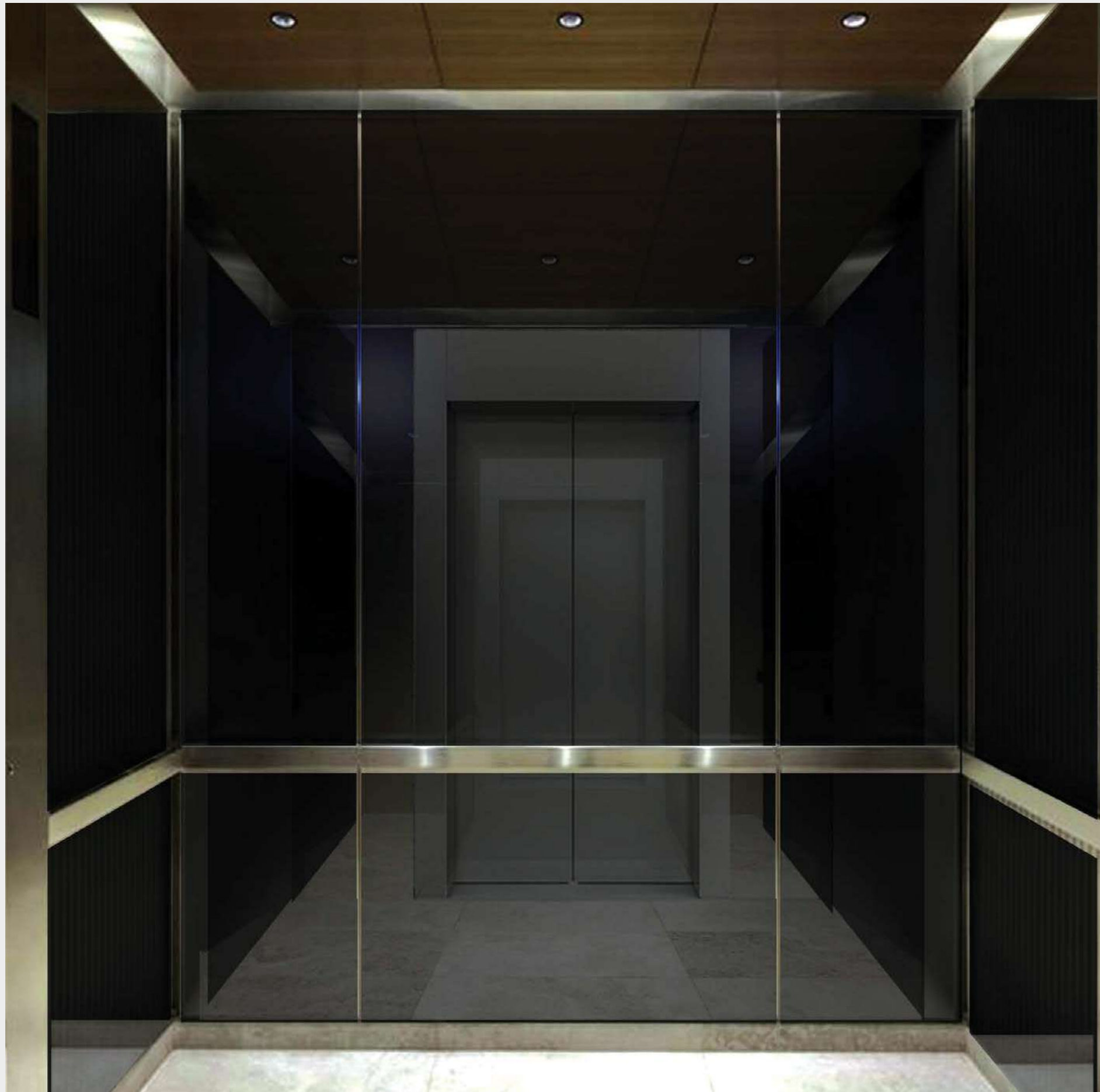
Rear Wall : SS Mirror Finish
Side Wall : SS Mirror Finish
False Ceiling : SS Copper PVD Finish
Flooring : PVC



Product Name
SS DESIGNER
CABIN- 001

Description

Rear Wall : SS Hairline Finish Combined with SS Gold Matte PVD Finish
Side Wall : SS Hairline Finish Combined with SS Gold Matte PVD Finish
False Ceiling : SS Copper PVD Finish
Flooring : PVC



Product Name
SS DESIGNER
CABIN- 002

Description

Rear Wall : SS Black Mirrored PVD Finish
Side Wall : SS Black Mirrored PVD Finish
False Ceiling : SS Copper PVD Finish
Flooring : PVC



Product Name
SS DESIGNER
CABIN- 005

Description

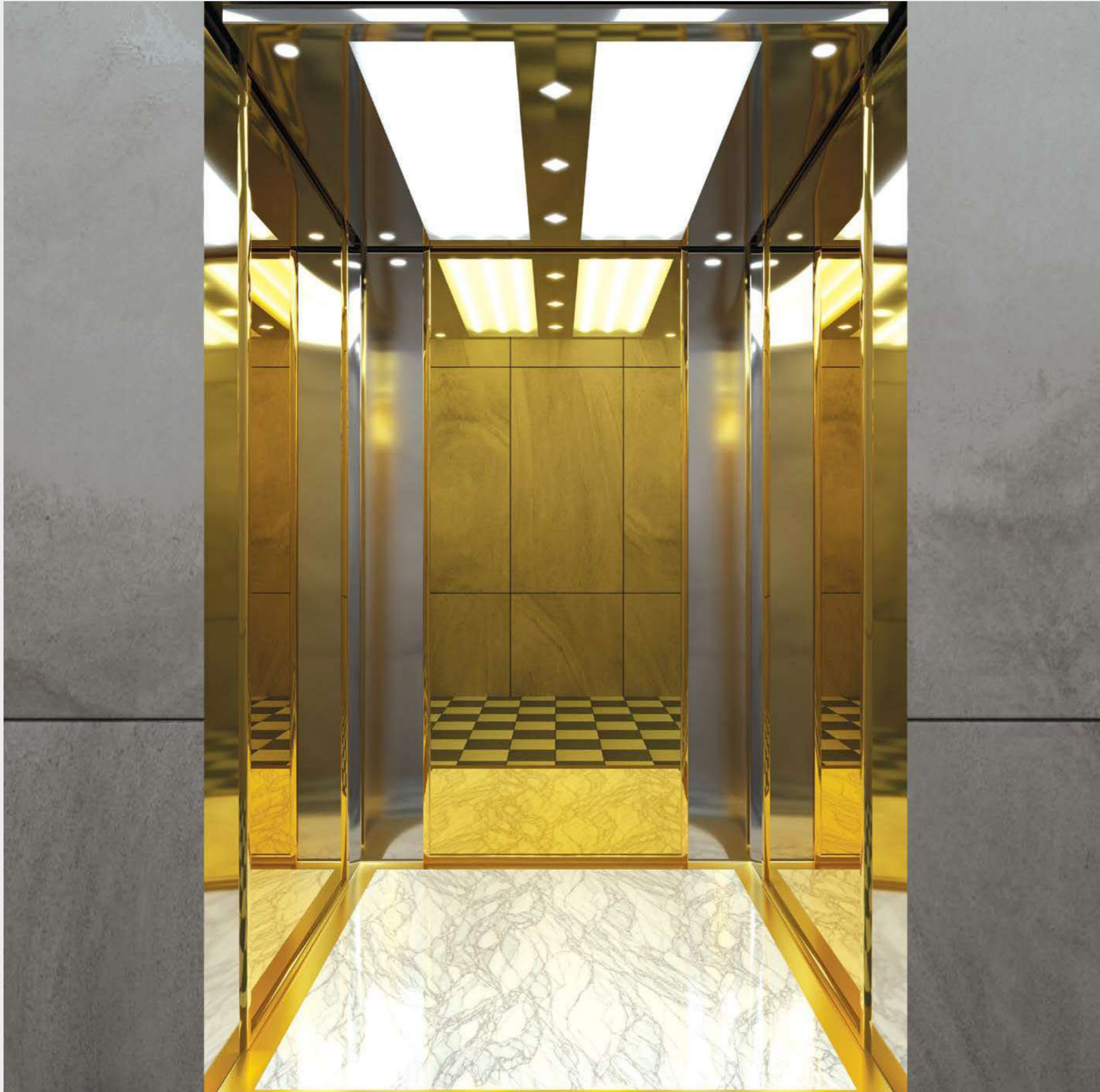
Rear Wall : SS COPPER Mirrored Finish
Side Wall : SS Wooden Matte PVD Finish
False Ceiling : SS Copper Matte Finish
Flooring : PVC



Product Name
SS DESIGNER
CABIN- 003

Description

- Rear Wall : SS Hairline Cladding Enclosed with WOODEN SS PVD Finish
- Side Wall : SS Hairline Cladding Enclosed with WOODEN SS PVD Finish
- False Ceiling : SS Copper PVD Finish
- Flooring : PVC



Product Name
SS DESIGNER
CABIN- 004

Description

Rear Wall : SS Mirror Finish Combined with Bright Yellow Gold Mirrored Finish
Side Wall : SS Mirror Finish Combined with Bright Yellow Gold Mirrored Finish
False Ceiling : SS Mirror Finish
Flooring : PVC



Product Name
SS DESIGNER
CABIN- 006

Description

Rear Wall : SS Rose Old Mirrored Finish with SS Black Mirrored PVC Finish
Side Wall : SS Rose Old Mirrored Finish with SS Black Mirrored PVC Finish
False Ceiling : SS Rose Gold Mirrored Finish
Flooring : PVC



Product Name
SS PANAROMIC
CABIN

Description

Rear Wall : Clear Toughened Glass with SS Hairline Enclosure
Side Wall : Clear Toughened Glass with SS Hairline Enclosure
False Ceiling : SS Hairline Finish
Flooring : PVC



Product Name

MS STANDARD POWDER
COATING CABIN -WHITE COLOR

Description

Rear Wall : MS Powder Coated White
Side Wall : MS Powder Coated White
False Ceiling : MS Powder Coated White
Flooring : PVC



Product Name

MS STANDARD POWDER COATING
CABIN -GREY COLOR (RAL 9006)

Description

Rear Wall : MS Powder Coated Grey
Side Wall : MS Powder Coated Grey
False Ceiling : MS Powder Coated Grey
Flooring : PVC



Product Name

MS DESIGNER POWDER COATING
CABIN -WHITE & GREY COLOR (RAL 9006)

Description

Rear Wall : MS Powder Coated Grey & White Combination
Side Wall : MS Powder Coated Grey & White Combination
False Ceiling : MS Powder Coated Grey
Flooring : PVC

Elevator Doors



Product Name
SS HAIRLINE
FINISH AUTOMATIC
CENTRE OPENING



Product Name
SS HAIRLINE FINISH
AUTOMATIC TELESCOPIC
OPENING



Product Name
SS HAIRLINE FINISH
WITH DOOR JAMB



Product Name
SS HAIRLINE FINISH WITH
SMALL VISION PANEL
(Clear Toughened Glass)



Product Name
SS HAIRLINE FINISH WITH
MEDIUM VISION PANEL
(Clear Toughened Glass)



Product Name
SS HAIRLINE FINISH WITH
BIG VISION PANEL
(Clear Toughened Glass)



Product Name
SS HAIRLINE FINISH WITH
SMALL VISION PANEL
(Smoked Finish Toughened Glass)



Product Name
SS HAIRLINE FINISH WITH
MEDIUM VISION PANEL
(Smoked Finish Toughened Glass)



Product Name
SS HAIRLINE FINISH WITH
BIG VISION PANEL
(Smoked Finish Toughened Glass)



Product Name
SS FRAMELESS DESIGN
WITH FULL VISION PANEL



Product Name
SS BLACK MIRROR
PVD FINISH



Product Name
SS COPPER MIRROR
PVD FINISH



Product Name
SS GOLDEN MIRROR
PVD FINISH



Product Name
SS SILVER MIRROR
PVD FINISH



Product Name
MS POWDER COATED FINISH-GREY
(RAL 9006)



Product Name
MS POWDER COATED
FINISH-WHITE



Product Name
SS HAIRLINE FINISH 4
PANEL (1600MM ACO)



Product Name
MS POWDER COATED FINISH-GREY
(RAL 9006) 4 PANEL (1600MM ACO)



Product Name
MS POWDER COATED FINISH-
WHITE 4 PANEL (1600MM ACO)



Product Name
SS HAIRLINE FINISH
6 PANEL (2400MM ACO)



Product Name

MS POWDER COATED FINISH-GREY
(RAL 9006) 6 PANEL (2400MM ACO)



Product Name

MS POWDER COATED FINISH-
WHITE 6 PANEL (2400MM ACO)

Operational Panels

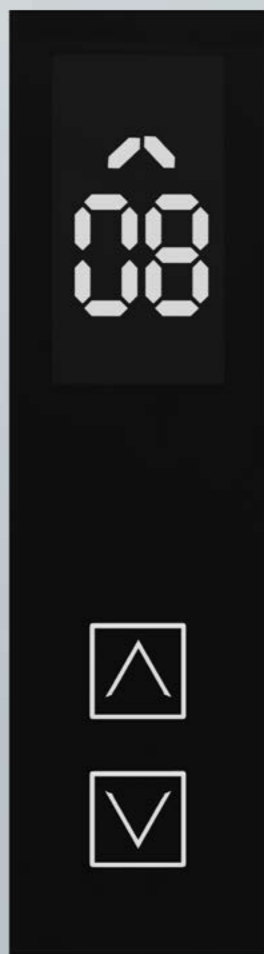




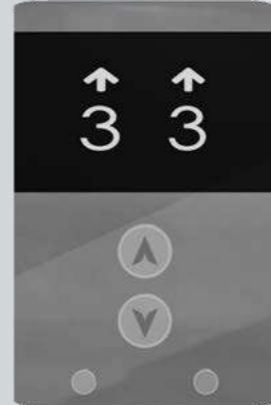
OP_01A



OP_06K



OP_01B



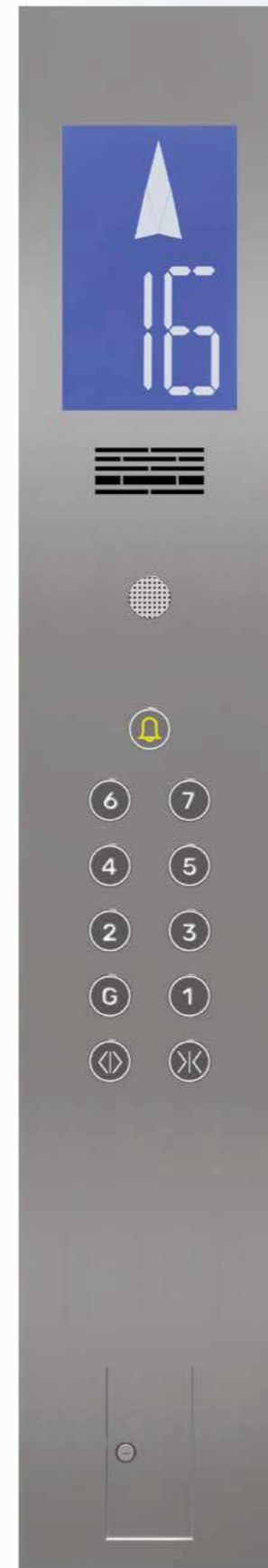
OP_06L



OP_02C



OP_02D



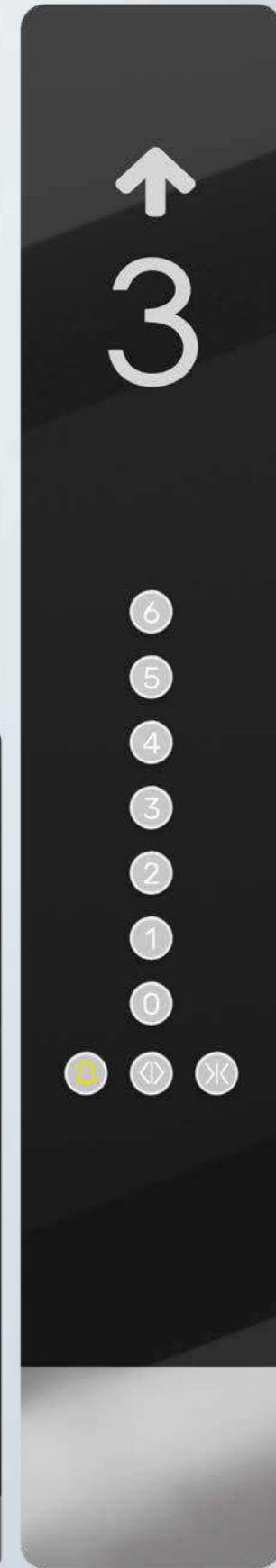
OP_04G



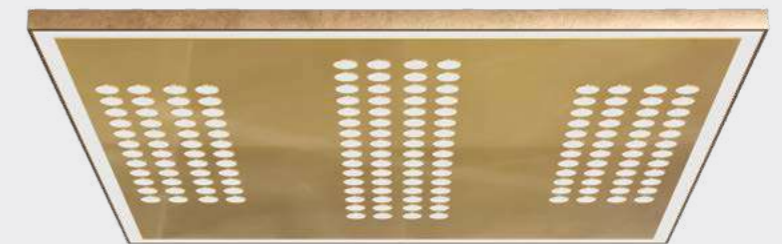
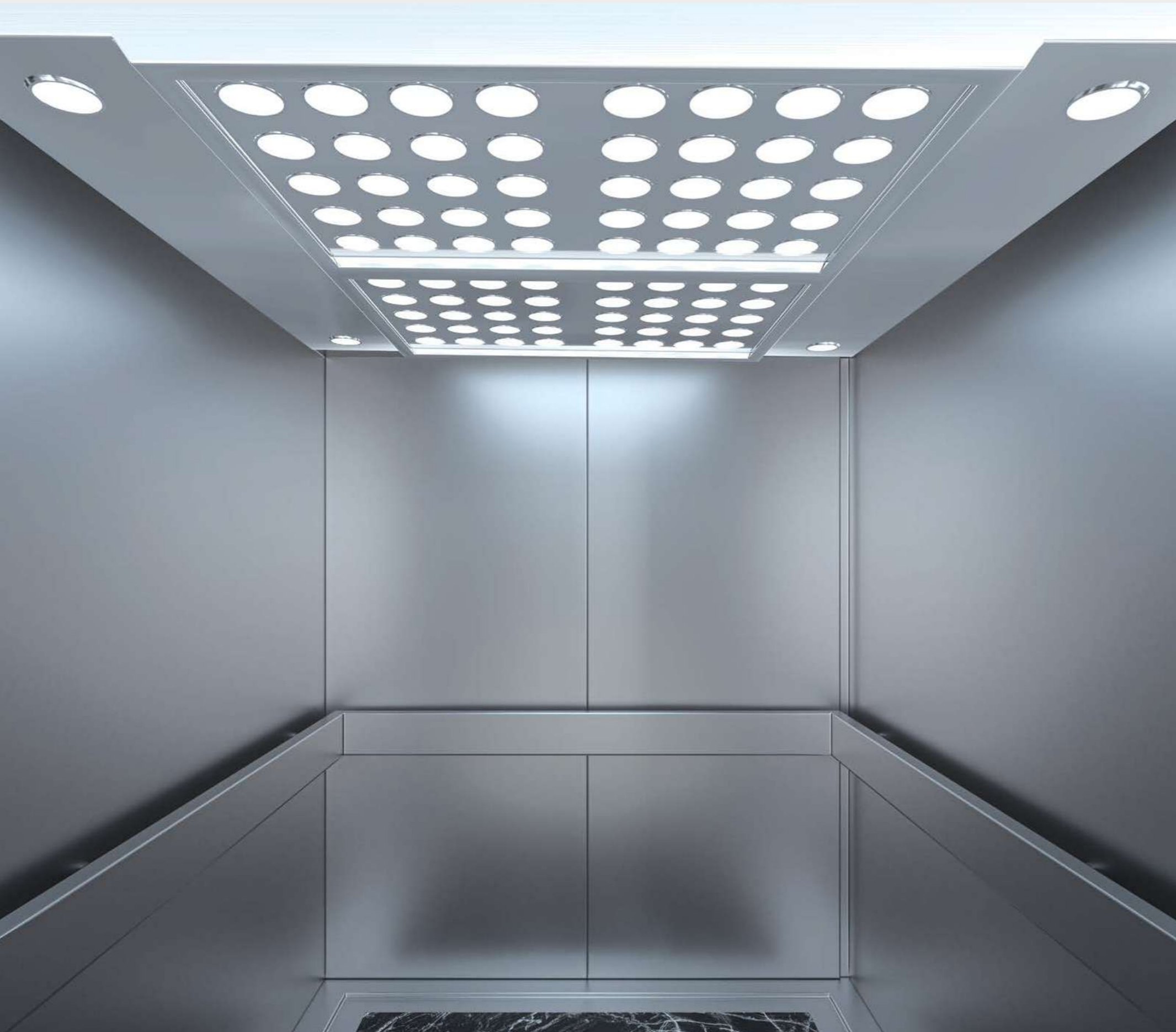
OP_04H



OP_03F



OP_03E



Ceilings

Available Colours

-  Golden
-  Copper
-  Black



FC-01A



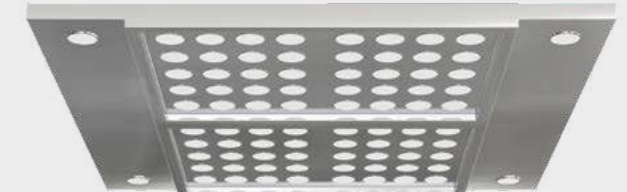
FC-03C



FC-04D



FC-05E



FC-06F



FC-02B



FC-07G

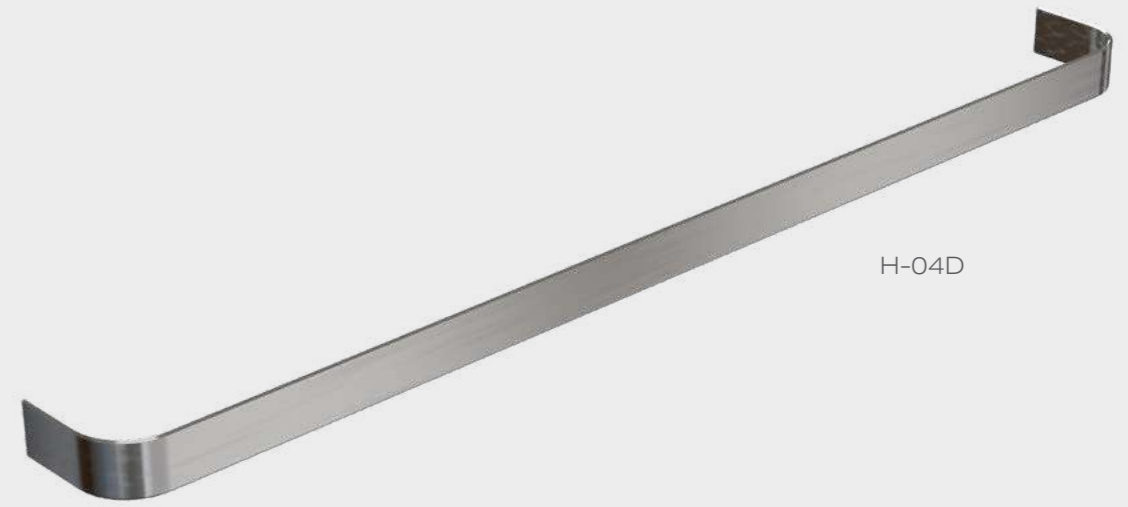


FC-08H

Handrails



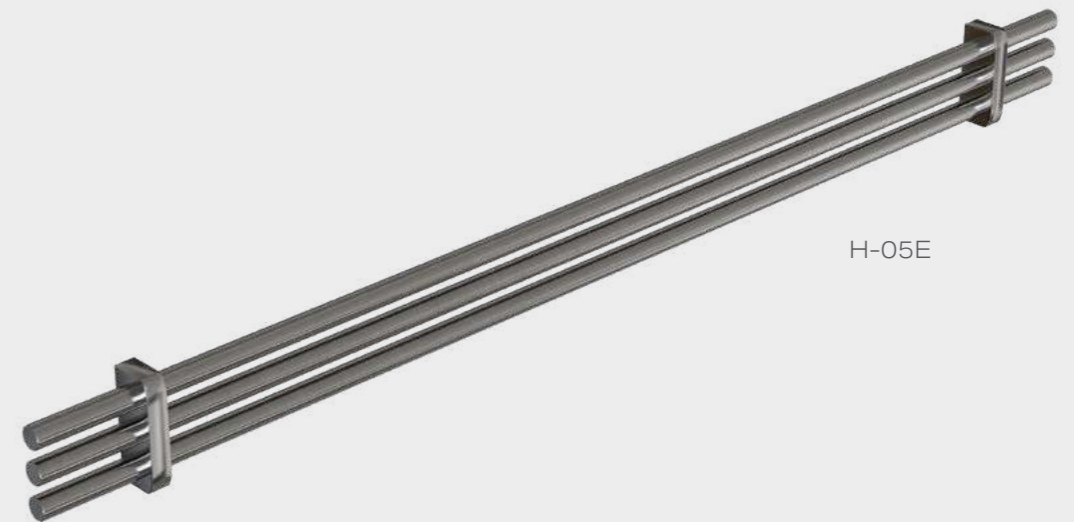
H-01A



H-04D



H-02B



H-05E



H-03C



H-06F

Specifications

MRL Passenger Lifts with Gearless Machine

Gearless	Load		Speed (mps)	Car Inside(mm)		Shaft Size(mm)		Entrance	Pit Depth	Overhead	Shaft Enclosure	Opening
	Persons	kg		(Width)	(Depth)	(Width)	(Depth)					
MRL	4	320	1	1050	750	1650	1250	700	1500	4300	Concrete	Centre
	5	375	1	1050	950	1650	1350	700	1500	4300	Concrete	Centre
	6	450	1	1050	1100	1650	1550	700	1300	4300	Concrete	Centre
			1.5	1050	1100	1650	1600	700	1300	4400	Concrete	Centre
	8	630	1	1200	1300	2100	1800	800	1500	4300	Concrete	Centre
			1.5	1200	1300	2100	1800	800	1500	4400	Concrete	Centre
			1.75	1200	1300	2100	1800	800	1600	4500	Concrete	Centre
	10	800	1	1350	1400	2250	1850	800	1500	4300	Concrete	Centre
			1.5	1350	1400	2250	1850	800	1600	4400	Concrete	Centre
			1.75	1350	1400	2250	1850	800	1700	4500	Concrete	Centre
	13	1000	1	1600	1450	2500	1900	900	1500	4300	Concrete	Centre
			1.5	1600	1450	2500	1900	900	1600	4400	Concrete	Centre
			1.75	1600	1450	2500	1900	900	1700	4500	Concrete	Centre
	15	1250	1	1800	1550	2700	2000	1000	1500	4500	Concrete	Centre
			1.5	1800	1550	2700	2000	1000	1600	4800	Concrete	Centre
	17	1350	1	1800	1650	2700	2100	1000	1500	4500	Concrete	Centre
			1.5	1800	1650	2700	2100	1000	1600	4800	Concrete	Centre
			1.75	1800	1650	2700	2100	1000	1700	5000	Concrete	Centre
	20	1600	1	1800	1900	2750	2450	1100	1500	4800	Concrete	Centre
			1.5	1800	1900	2750	2450	1100	1600	4800	Concrete	Centre
		1.75	1800	1900	2750	2450	1100	1700	5000	Concrete	Centre	

MR Passenger Lifts with Gearless Machine

Gearless	Load		Speed (mps)	Car Inside(mm)		Shaft Size(mm)		Entrance	Pit Depth	Overhead	Shaft Enclosure	Opening
	Persons	kg		(Width)	(Depth)	(Width)	(Depth)					
MR	4	320	1	900	850	1550	1250	700	1500	4300	Concrete	Centre
	5	375	1	1150	850	1600	1400	700	1500	4300	Concrete	Centre
	6	450	1	1200	920	1650	1550	700	1500	4300	Concrete	Centre
			1.5	1200	920	1650	1550	700	1500	4400	Concrete	Centre
	8	630	1	1300	1200	1900	1850	800	1500	4300	Concrete	Centre
			1.5	1300	1200	1900	1850	800	1500	4400	Concrete	Centre
			1.75-2.5	1300	1200	1900	1850	800	1600	4800	Concrete	Centre
	10	800	1	1400	1350	2000	2000	800	1500	4300	Concrete	Centre
			1.5	1400	1350	2000	2000	800	1500	4400	Concrete	Centre
			1.75-2.5	1400	1350	2100	2100	800	1600	4800	Concrete	Centre
	13	1000	1	1600	1450	2250	2150	900	1500	4300	Concrete	Centre
			1.5	1600	1450	2250	2150	900	1500	4400	Concrete	Centre
			1.75-2.5	1600	1450	2400	2200	900	1700	4800	Concrete	Centre
	15	1250	3	1600	1450	2450	2300	900	1800	5000	Concrete	Centre
			1	1850	1500	2500	2200	1000	1500	4300	Concrete	Centre
			1.5	1850	1500	2500	2200	1000	1600	4400	Concrete	Centre
	16	1350	1.75-2.5	1850	1500	2650	2200	1000	1700	4800	Concrete	Centre
			3	1850	1500	2700	2300	1000	1800	5200	Concrete	Centre
			1	1850	1600	2500	2300	1000	1500	4300	Concrete	Centre
	20	1600	1.5	1850	1600	2500	2300	1000	1600	4400	Concrete	Centre
1.75-2.5			1850	1600	2550	2300	1000	1700	4800	Concrete	Centre	
3			1850	1600	2700	2400	1000	1800	5200	Concrete	Centre	
20	1600	1	1900	1800	2550	2500	1100	1500	4300	Concrete	Centre	
		1.5	1900	1800	2550	2500	1100	1600	4400	Concrete	Centre	
		1.75-2.5	1900	1800	2600	2500	1100	1700	4800	Concrete	Centre	
		3	1900	1800	2700	2500	1100	1800	5200	Concrete	Centre	

MR Goods Lifts with Gearless Machine

Gearless	Load Kg	Speed (mps)	Car Inside(mm)		Shaft Size(mm) WIDTHDEPTH		Entrance	Pit Depth	Overhead	Shaft Enclosure	Roping	Opening
			(Width)	(Depth)	(Width)	(Depth)						
MR	2000	1	1900	2100	2850	2750	1200	1500	4800	Concrete	(2:1)	CENTRE
							(2PANEL)					
	2000	0.5	1900	2100	2850	2600	1600	1500	5200	Concrete	(4:1)	CENTRE
							(4PANEL)					
	3000	1	2200	2500	3250	3100	1500	1600	4800	Concrete	(2:1)	CENTRE
						(2PANEL)						
3000	0.5	2200	2500	3250	3000	1600	1600	5200	Concrete	(4:1)	CENTRE	
						(4PANEL)						
5000	0.5	2700	3200	3850	3800	1600	1600	5200	Concrete	(4:1)	CENTRE	
						(4PANEL)						

MR/MRL Bed Lifts with Gearless Machine

Gearless	Load kg	Speed (mps)	Car Inside(mm)		Shaft Size(mm)		Entrance	Pit Depth	Overhead	Shaft Enclosure	Roping	Opening
			(Width)	(Depth)	(Width)	(Depth)						
MR/MRL	1600	1	1400	2400	2600	2900	1200	1500	4500	Concrete	(2:1)	Centre
		1.5	1400	2400	2600	2900	1200	1500	4500	Concrete	(2:1)	Centre
		1.75	1400	2400	2600	2900	1200	1600	4800	Concrete	(2:1)	Centre
	2100	1	1700	2400	2750	2900	1200	1400	4500	Concrete	(2:1)	Centre
		1.5	1700	2400	2750	2900	1200	1500	4500	Concrete	(2:1)	Centre
		1.75	1700	2400	2750	2900	1200	1700	4800	Concrete	(2:1)	Centre
	1600	1	1400	2400	2300	2900	1200	1400	4500	Concrete	(2:1)	Side
		1.5	1400	2400	2300	2900	1200	1500	4500	Concrete	(2:1)	Side
		1.75	1400	2400	2300	2900	1200	1700	4800	Concrete	(2:1)	Side
	2100	1	1700	2400	2600	2900	1200	1400	4500	Concrete	(2:1)	Side
		1.5	1700	2400	2600	2900	1200	1500	4500	Concrete	(2:1)	Side
		1.75	1700	2400	2600	2900	1200	1700	4800	Concrete	(2:1)	Side

MRL Goods Lifts with Gearless Machine

Gearless	Load Kg	Speed (mps)	Car Inside(mm)		Shaft Size(mm)		Entrance	Pit Depth	Overhead	Shaft Enclosure	Roping	Opening
			(Width)	(Depth)	WIDTH	DEPTH						
MRL	2000	1	1900	2100	2950	2600	1200 (2PANEL)	1500	4800	Concrete	(2:1)	CENTRE
	2000	0.5	1900	2100	2950	2600	1600 (4PANEL)	1500	5200	Concrete	(4:1)	CENTRE
	3000	1	2200	2500	3400	3000	1500 (2PANEL)	1600	4800	Concrete	(2:1)	CENTRE
	3000	0.5	2200	2500	3400	3000	1600 (4PANEL)	1600	5200	Concrete	(4:1)	CENTRE
	5000	0.5	2700	3200	4050	3700	1600 (4PANEL)	1600	5200	Concrete	(4:1)	CENTRE

Automobile / Car Lifts

Gearless	Opening	Load kgs	Speed (mps)	Car Inside (m.m)		Shaft Size (m.m)		Entrance	Pit Depth	Overhead	Roping	Opening
				(Width)	(Depth)	(Width)	(Depth)					
MRL	Both Side	3000	0.5	3000	5800	4300	6700	2400	2000	5200	(4:1)	CENTRE
	Both Side	5000	0.5	3000	6000	4300	7000	2400	2000	5200	(4:1)	CENTRE

Function configuration

Function	Description of functions
Automatic operation	The lift automatically runs and stops, opens I shuts the door according to designated command.
Operation by operator	The lift automatically runs and stops, manually shuts the door according to designated command.
Overhaul operation	Under repair and inspection conditions, the lift runs at inspection speed through operating "slow up I slow down" buttons.
Call for opening of this floor	When the lift is shutting the door or it does not start but has closed the door, when there is any outer calling from this landing, it will reopen the door.
Light curtain protection	When optical curtain has been shaded, it immediately stops door-shut action and automatically opens the door.
Full-load direct running	When it reaches the rated load, it only responds to internal selection instead of outer calling.
Automatic lighting control	In the stipulated time, if the lift does not receive any travel command, the lighting will automatically die out. It automatically opens at command.
Firefight return	When it starts home landing fire-fighting switch, all the commands will be cancelled then. The lift immediately drives to the designated landing and park there.
Mal-operation removal	Repeatedly operate internal selective button to cancel mal-operation registration
Service floor setting	The lift only serves the set floor.
Home landing floor setting	Under the automatic condition, if there is no command within certain period, the car will automatic ally run to the set landing.
Landing floor, direction display	It shows the landing floor of the lift, the direction where the lift is going to travel in the car.
Opposite door service setting	Correctly open I shut the door in the corresponding floor according to service setting.
Trouble diagnosis	When there is something wrong in the travel process, it will automatically diagnose the trouble cause, display in the operation panel and automatically store the latest trouble information.
Safety circuit protection	If safety circuit is disconnected, the lift will immediately stop the travel.
Door interlocking protection	If it closes all of door interlocking, it can then start the lift. If door interlocking is disconnected or trembled, the lift will stop the operation.
Travel contactor protection	The system can detect whether motor circuit contactor action is reliable or not. If any abnormal condition happens, it will stop the lift travel.

ESCALATORS & MOVING WALKWAY



ENERGY SAVING

VVVF

The variable frequency controller can be used to run at variable speed. When there is no passengers, the escalator will run at a low speed or it will stop running. When detecting there are passengers to use the escalator, it will automatically run at a normal speed, which can effectively reduce the energy consumption.

Auto start-stop/slow

Matiz infrared or microwave sensors located near the floor slab can detect passengers when they are entering the escalator and will automatically start running. When it detects there are no passengers within a certain period of time, the escalator will automatically stop running to achieve the auto start-stop/slow function.



SAFETY

Skirt Brush

The skirt brush installed on the skirt panel on both sides and located above the steps can effectively prevent passengers' shoes from touching the skirt panel and prevent foreign objects from being caught into the gap between the steps.

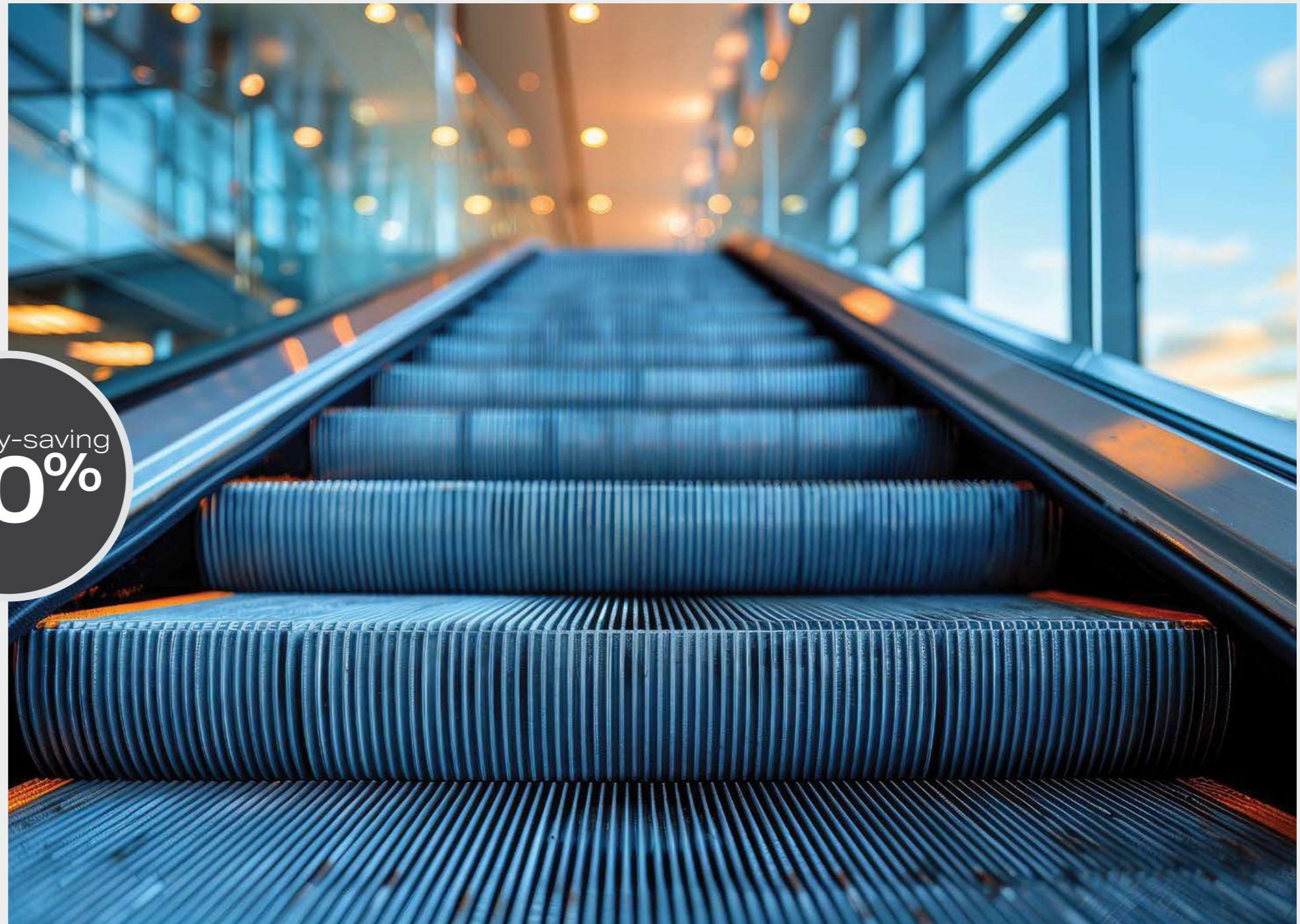
High-strength truss

It is made of high-quality square steel or angle steel, strictly made in accordance with national standards. The main welds are detected by X-ray inspection, and the overall strength is analyzed by finite element analysis.

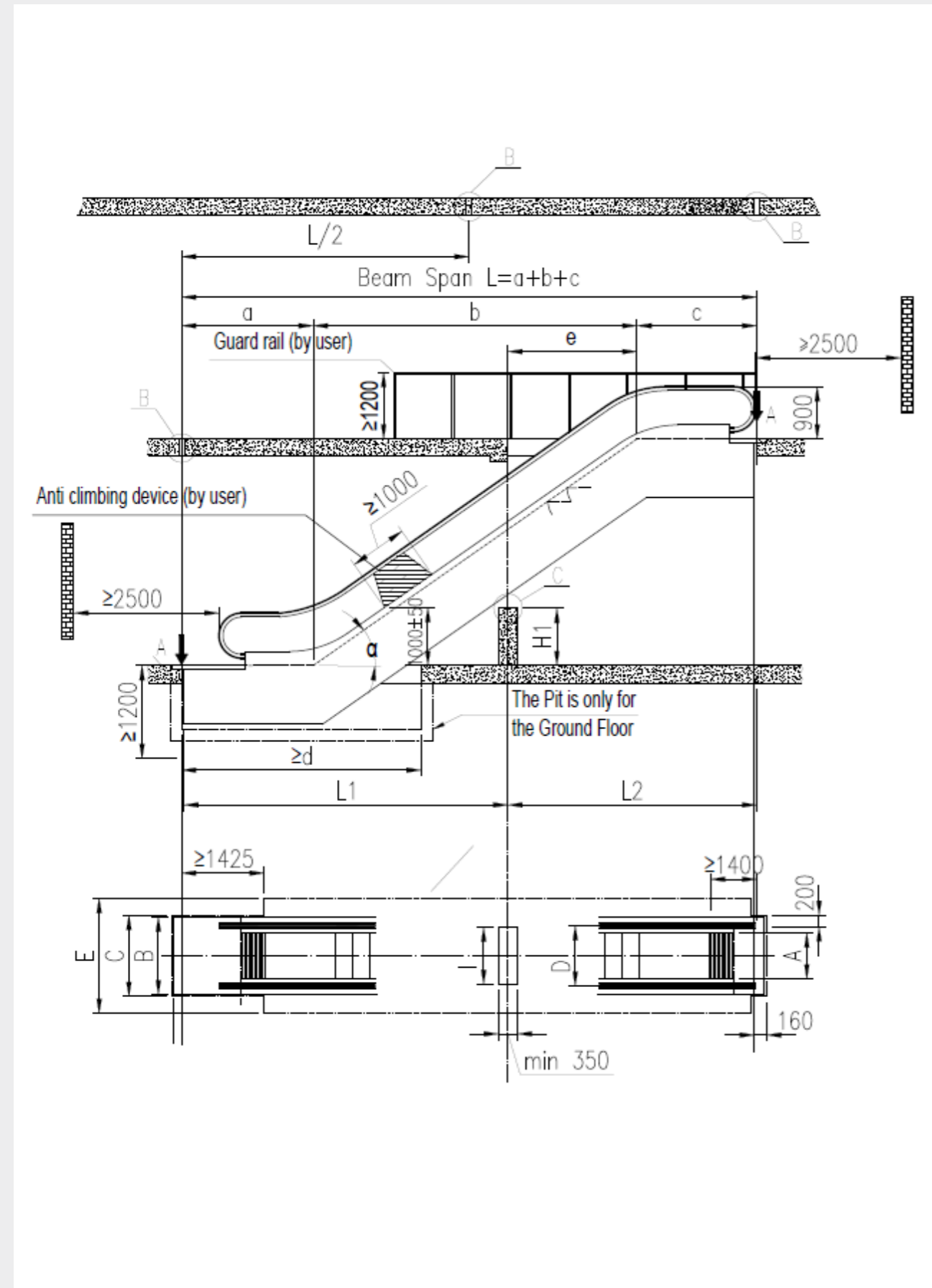
Step sinking protection

When the steps are deformed or sinking, this device can achieve effective protection.

Energy-saving
30%

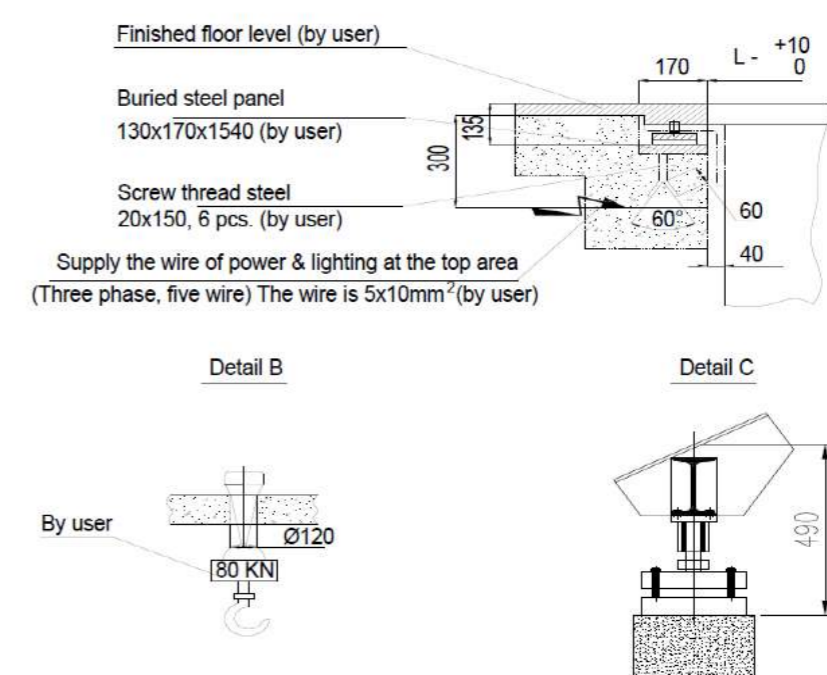


ESCALATOR CIVIL DRAWING



STANDARD SPECIFICATIONS AND DIMENSIONS

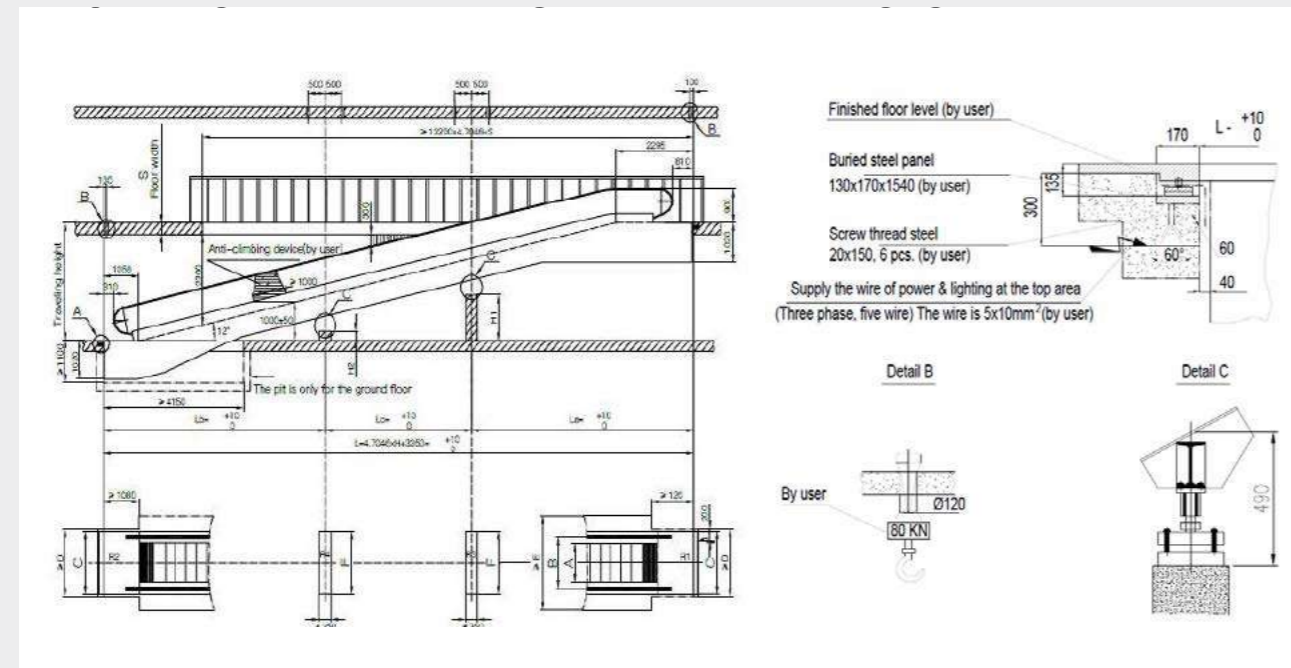
Step width	A	600	800	1000
Exterior width	B	1140	1340	1540
Construction opening	C	1200	1400	1600
Handrail center distance	D	838	1038	1238
Floor slab opening	E	1838	2038	2238
Supporting length	I	1140	1340	1540
Traveling height (H 5 6m)	α	30°	35°	
	a	2198	2242	
	b	1.732 x H	1.428 x H	
	c	2567	2663	
	d	4100	4300	
	e	4000 + 1.732 x S	3300 + 1.428 x S	
	H1	N/A	N/A	
Traveling height (6m < H 5 9m)	L1	N/A	N/A	
	α	30°		
	a	2688		
	b	1.732 x H		
	c	3057		
	d	4900		
	e	4000 + 1.732 x S		
H1	It depends on the construction drawing			
L1	It depends on the construction drawing			



TECHNICAL REQUIREMENTS

1. This drawing is based on the dimension mm. It applies to the indoor installation with traveling height less than or equal to 9m and speed at 0.5m/s.
2. When the step width=600mm,the upper truss should be extended for 417mm more.
3. When the traveling height is more than 7.8m,the upper truss should be extended for 417mm more.
4. The driving power is Three Phase AC 380V, 50HZ.
5. When the horizontal span is more than 15.0m, it needs an intermediate support and locates in the middle.
6. When the escalator installed at the second floor or above, no need the pit and the substructure should be symmetrical with the superstructure.
7. There should be a fully open area at escalator entrances and exits and the width should not be less than 1238mm, the depth (From the handrail steering end to the barrier) should not be less than 2500mm.
8. The distance between the handrail center line and any barriers should not be less than 500mm. If the distance is less than 500mm, a vertical shield with no sharp edges should be provided above the handrail.

MOVING WALKWAY CIVIL DRAWING



STANDARD SPECIFICATIONS AND DIMENSIONS

Step width A		Handrail center distance B		Exterior width C	Construction opening D	Floor slab opening E	Supporting length F		
800		1038		1400	1460	2110	1400		
1000		1238		1600	1660	2310	1600		
Inclination	Traveling height		Intermediate support		La	Lb	Lc	HI	H2
	From	To	R3	R4					
12°	1601	2508	-	-	-	-	-	-	-
	2509	5695	1	-	L/2	L/2	-	H-(La×0.2126+545)	-
	5696	6000	1	1	L/3	L/3	L/3	H-(La×0.2126+545)	HI-(Lc×0.2126)

TECHNICAL REQUIREMENTS

1. This drawing is based on the dimension mm. It applies to the traveling height less than or equal to 6m and speed at 0.5m/s.
2. If dual drive is required ,the upper truss should be extended for 417mm more.
3. The driving power is Three Phase AC 380V 50HZ.
4. When the moving walk installed at the second floor or above, no need the pit and the substructure should be symmetrical with the superstructure.
5. There should be a fully open area at the entrances and exits of the moving walk and the width should not be less than 1238mm,the depth (From the handrail steering end to the barrier) should not be less than 2500mm.
6. The distance between the handrail center line and any barriers should not be less than 500mm. If the distance is less than 500mm, a vertical shield with no sharp edges should be provided above the handrail.

TECHNICAL PARAMETERS

Model	TM
Speed	0.5m/s
Inclination a	12°
Traveling height	H
Two beams span	L=H x 4.7046+3350



STANDARD SAFETY DEVICES FOR ESCALATORS AND MOVING WALKWAYS

Standard Safety Device

01. Phase loss or phase failure protection	If there is a phase loss or phase failure event detected, the escalator (moving walk) will automatically stop its operation.
02. Motor over-load protection	When the current exceeds 15% of the current nominal, the escalator will automatically stop its operation.
03. Equipment electrical circuit protection	It provides automatic disconnection to the equipment in order to protect it
04. Handrail inlet protection	When some foreign substance has been caught in the handrail inlet, the escalator (moving walk) will automatically stop its operation.
05. Comb plate safety device	When some foreign substance has been caught in between the combs, the escalator (moving walk) will automatically stop its operation.
06. Step sagging protection device	When there is an abnormal step bending of the escalator (moving walkway), the landing step-sagging safety device will stop the operation before the step enters into the comb plate.
07. Broken drive-chain safety device	When the drive chain has been broken or under elongation, the escalator (moving walkway) will stop its operation automatically.
08. Broken step chain protection	When the step chain has been broken or undue elongation, the escalator (moving walkway) will stop its operation automatically.
09. Over-speed protection	When there is an over-speed of the escalators (moving walkway) operation, it will stop its operation automatically.
10. Direction reversal protection	When there is a change from the preset direction of running, the unintentional reversal monitoring device will stop its operation automatically.
11. Security demarcation line	The yellow synthetic resin warning line is located on the front and sides of the escalator steps to prevent passengers from stepping into the edges of adjacent steps and between the steps and skirt panel (Optional yellow painting warning lines are provided).
12. Emergency stop button	When the emergency button has been pressed, the escalator (moving walkway) will stop its operation.
13. Skirt panel protection	When some foreign substance has been caught in between the skirt panel and the step, the escalator (moving walkway) will stop its operation automatically.
14. Brake protection	When the power is not enough or any safety device has been activated, the braking device will take effect through the spring force to stop the operation of the escalator.
15. Safety inspection switch	It is a safety device that prevents the escalator to start-up during inspection and maintenance process.
16. Step lighting	Lights in the upper, lower ends of the escalator and in the lower part of the step to remind the passengers about their safety.
17. Alarm bell starting device	The alarm bell rings when it starts the escalator in order to remind the passengers of the safety issues.
18. Control device for handrail breakage	When the handrail is broken, the escalator will stop its operation automatically.
19. Handrail speed monitor	If the handrail speed is lower than the step speed at a certain percentage, the escalator (moving walk) will stop its operation automatically.

20. Skirt panel brush	It is an optional safety device. The brush that has been installed between the skirt panel and the step will prevent the passengers from touching the skirt panel. (It is not only for escalator equipment).
21. Mechanical anti-reversing device	According to a new standard, it is not mandatory to use a mechanical anti-reversing escalator device. It can also apply a programmable electronic circuit for the same purpose.
22. Step start/stop switch	Step switch is used to prevent the escalator starting operation when repairing the upper/lower cabin, It's also for the maintenance personnel's safety concern.
23. Machine brake detection switch	Brake detection switch can prevent the motor from running without opening the brake and avoid burning the motor or any other fire accident.
24. Hoist disc wheel switch	It applies disc wheel switch to prevent the motor from starting when the maintenance personnel is turning the jigger. It also protects the maintenance personnel.
25. Photo-electric detection of step loss	A photo-electric detection device will prevent the passengers from falling inside due to step loss.

Optional Safety Device

26. Fire-proof rolling door device	When this device is activated, it can stop the escalator (moving walk) operation. It has been installed near the passengers from touching the escalator (moving walk).
27. Lower machine room drain	When it exceeds the standard water level in the lower machine room it will operate the automatic drain system (outdoor type).
28. Emergency brake	When the drive chain is broken or the brake is not working properly, it will prevent the escalator from sliding and ensure passengers' safety. (It should be installed with the emergency brake when H>6m)



ESCALATOR STRUCTURE

WORKS BY CLIENT

Civil work

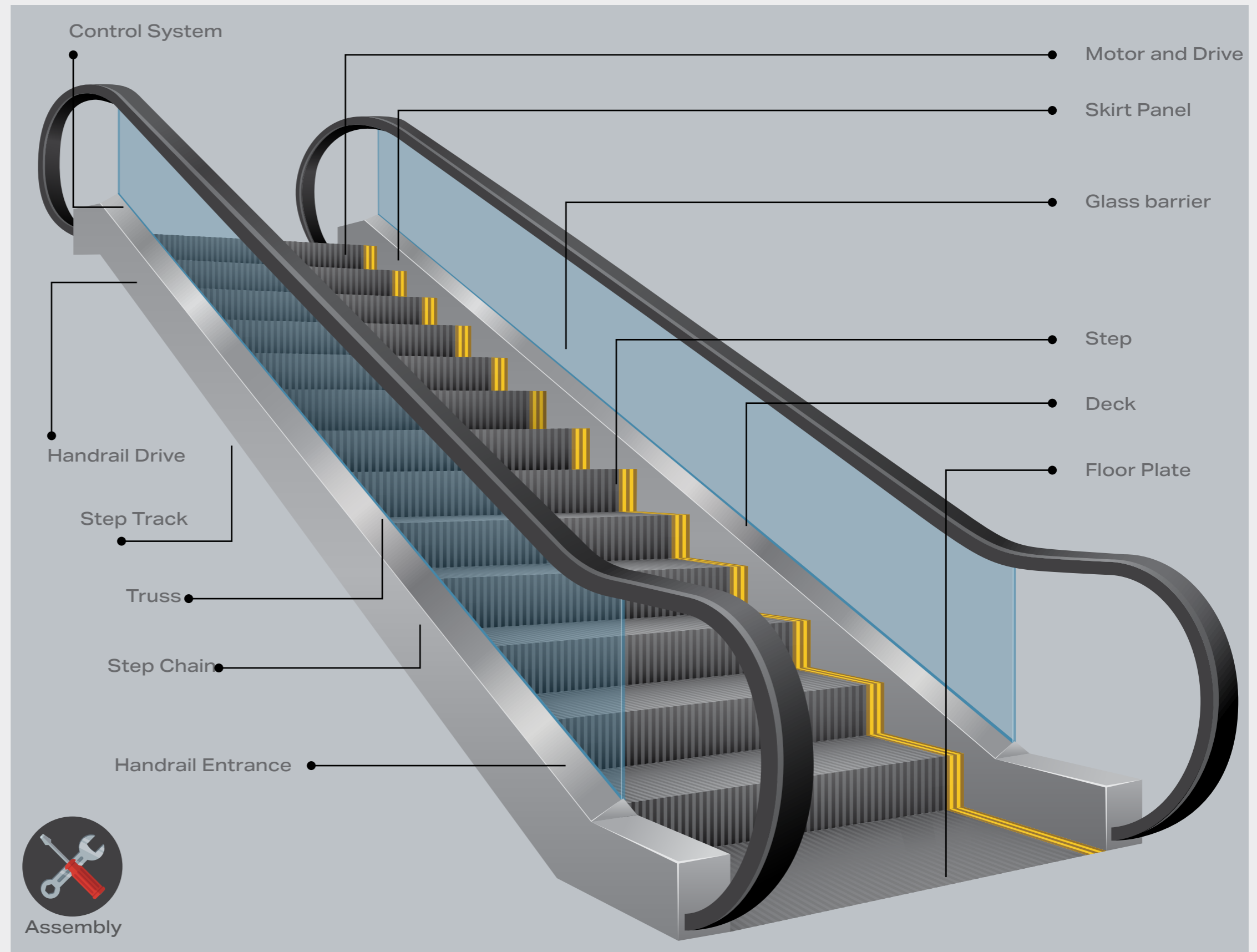
1. Install the support beams and openings required for escalators / moving walkways.
2. Waterproof works for the truss and pit.
3. After the installation of escalators / walkways is completed, the related area shall be decorated.
4. During the installation and commissioning, install the safety fence around the escalator / moving walkway
5. Exterior decoration after the installation of escalators / moving walkways
6. Reserve entrance and access for the truss and its repair works

Electric work

1. Provide the power and lighting cables, grounding cables and communication cables, etc. for the controller.
2. Supply the power for the installation and commissioning.
3. Supply emergency lighting.

Safety measures

1. Set a wedge-shaped guard plate at the intersection of the escalator. (Including the intersection with the lower floor of the adjacent escalator / moving walkway), to prevent any person or object from touching the intersection
2. If there is a gap between the escalator / moving walkway and the building floor, a safety barrier must be provided to prevent falling and entry.
3. If the gap between two escalators / moving walkways or the escalators / moving walkways on the same floor exceeds 200mm, a safety net preventing from falling shall be provided.
4. To prevent children from playing on and around escalators / moving walkway signs, warning boards, or public notice facilities are required.



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Customer data is established one, set up exclusive maintenance plan.

Maintenance initiative reminder

Even if you are so busy that you forget the elevator maintenance, our remote control center will remind you to maintain the elevator according to the actual conditions of your elevator.

Remote real -time detection

Through the remote monitoring system, real-time understand elevator operation data, and regularly send elevator operation test report to you, so that the safety information can be controlled at your hand.

24 - hour service team

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