

For Address

NEXA -NEO

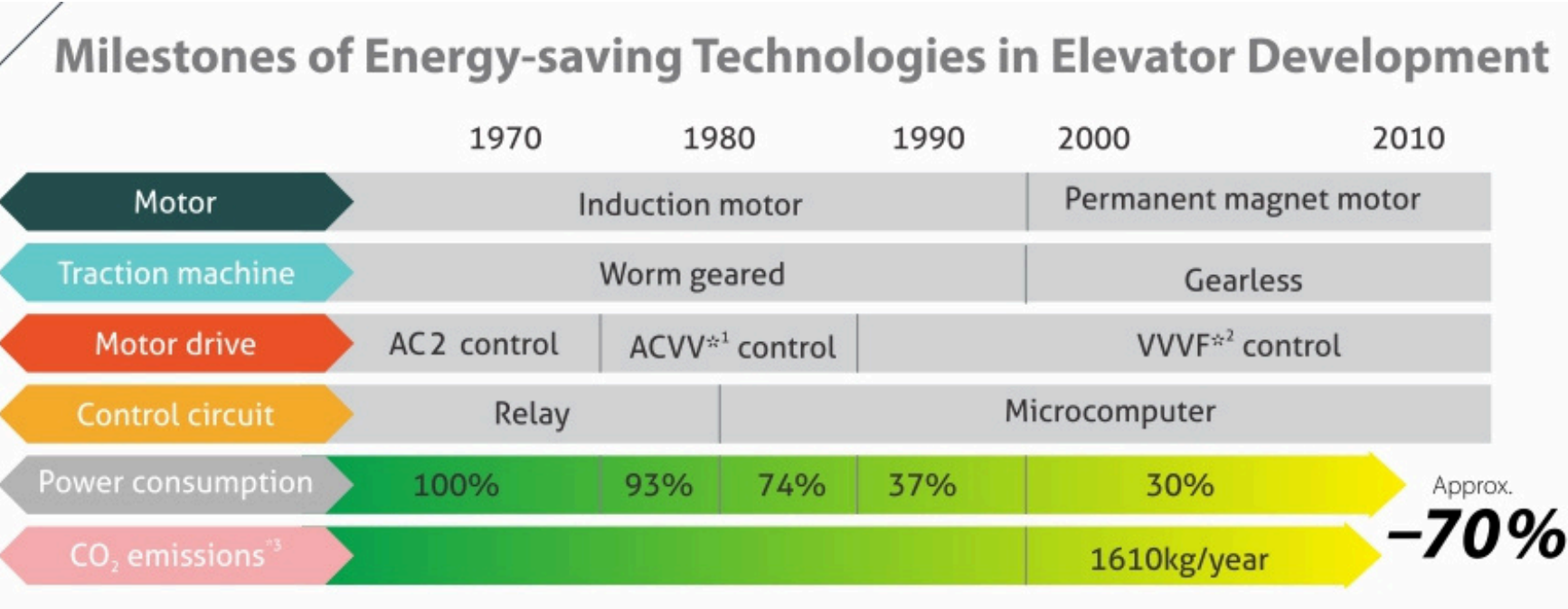
khatrielevator/



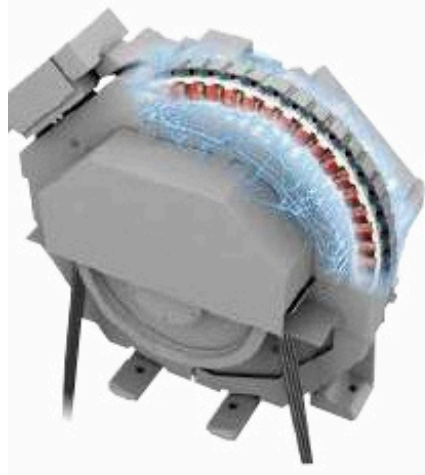
Ecology

Using Energy Wisely

Our long-term commitment to developing energy-efficient elevators has created systems and functions that make intelligent use of power.



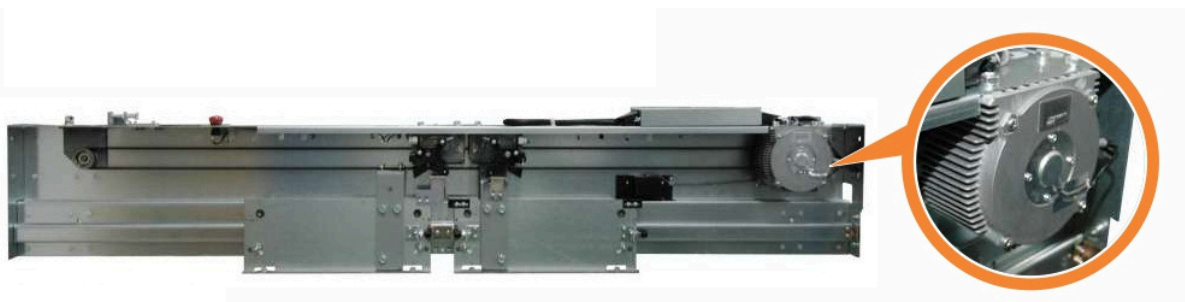
Traction Machine with PM Motor (PMP)



The joint-lapped core built into the PM motor of the traction machine features flexible joints. The iron core acts like a hinge, which allows coils to be wound around the core more densely, resulting in improved motor efficiency and compactness. A high-density magnetic field is produced, enabling lower use of energy and resources and reduced CO2 emissions.

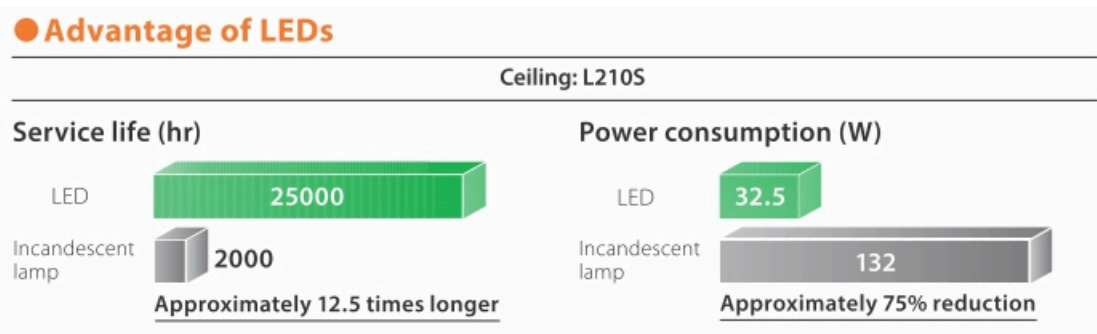
Permanent Magnet (PM) Door Motor

The direct-drive PM door motor and the VVVF inverter realize efficient door opening and closing.



LED Lighting

Used for ceiling lights, LEDs boost the overall energy performance of the building. Furthermore, a long service life eliminates the need for frequent lamp replacement.



Car Light/Fan Shut Off – Automatic (CLO-A/CFO-A)
The car lighting/ventilation fan is automatically turned off if there are no calls for a specified period.



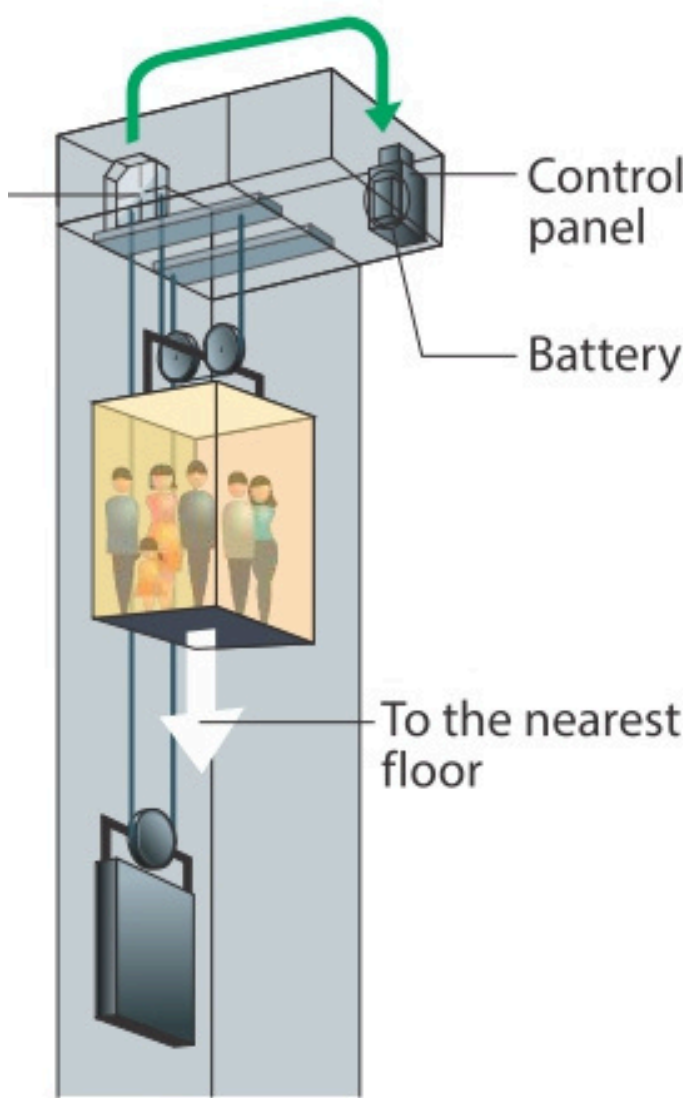
Ceiling: L210S LED downlights



Safety and Comfort

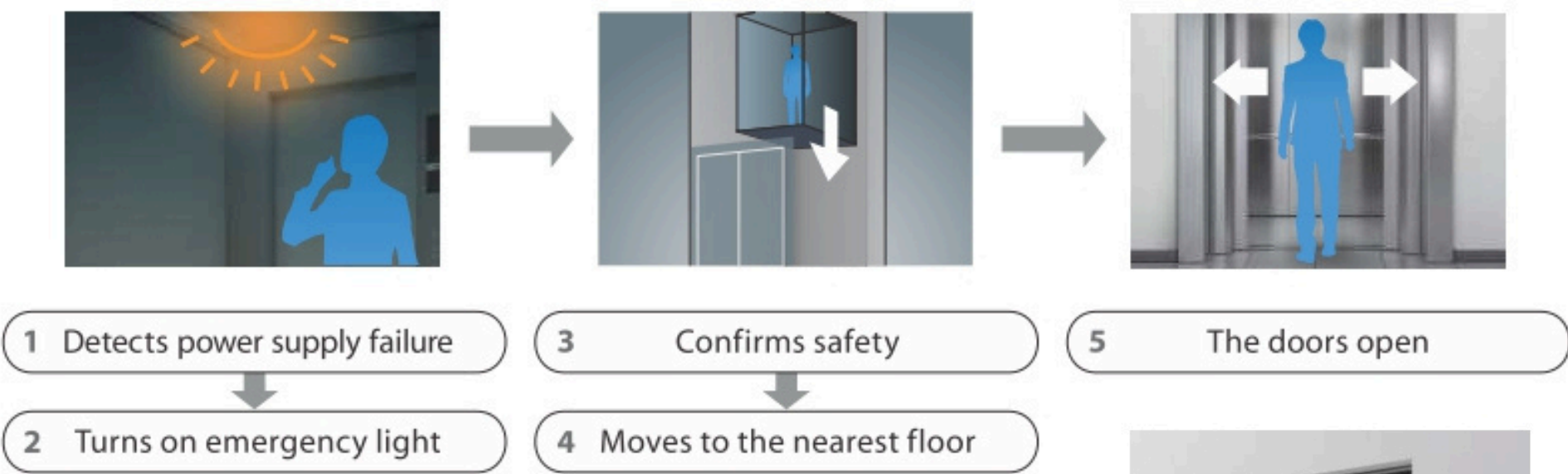
Providing a Safe Ride

Whether the user is elderly or a person with special needs, our elevators deliver every passenger to the destination floor safely -and-comfortably-



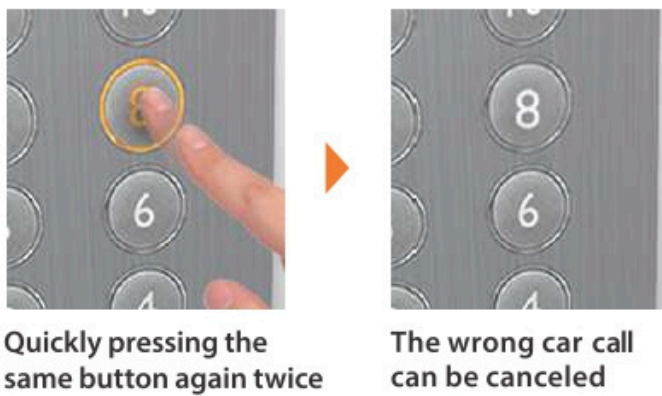
Khatri Elevators & Escalator Pvt. Ltd.

Upon power failure, the car automatically moves to the nearest floor using a rechargeable battery to facilitate the safe evacuation of passengers.



Multi-beam Door Sensor

Multiple infrared-light beams cover a door height of approximately 1800mm to detect passengers or objects as the doors close.



Quickly pressing the same button again twice



The wrong car call can be canceled

User-friendly Features

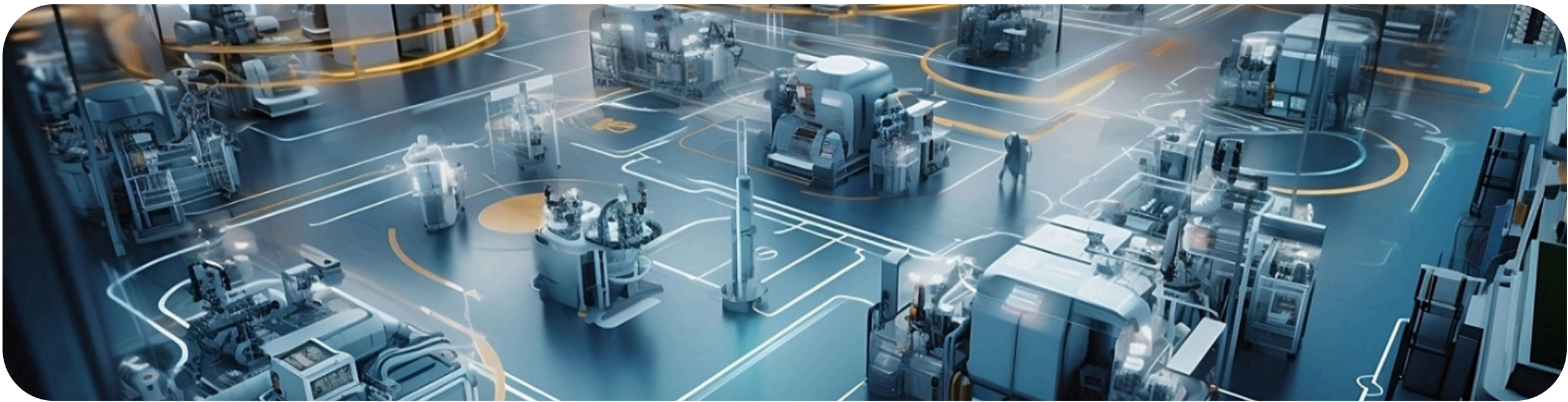
Great care is taken in the design and manufacture of each and every elevator part to ensure a comfortable, user-friendly ride.



False Call Canceling- Car Button type (FCC-P)

If the wrong car button is pressed, it can be canceled by quickly pressing the same button again twice.

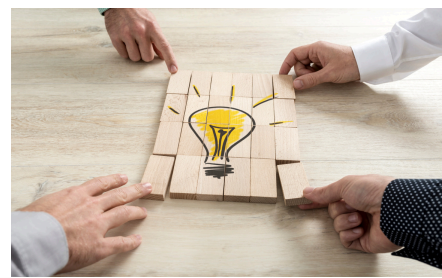
At Khatri Elevators & Escalator Private Limited, our state-of-the-art manufacturing facility is the heart of our commitment to quality and innovation. Here’s a glimpse into our meticulous factory and manufacturing process:



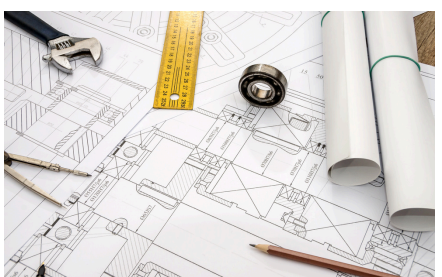
MANUFACTURING PROCESS

All manufacturing processes are approved by Mitsubishi elevators' mother factory, Inazawa Works in Japan, which ensures the highest quality

DESIGN AND PLANNING



Conceptual Design: The process begins with understanding the client's requirements and conceptualizing a design that meets those needs. This involves considering the type of building, load capacity, speed, and specific features like energy efficiency and safety measures.



Detailed Engineering: Once the concept is approved, detailed engineering designs are created. These include mechanical, electrical, and structural specifications. Computer-aided design (CAD) software is often used to produce precise drawings and simulations.

MATERIAL SELECTION AND PROCUREMENT

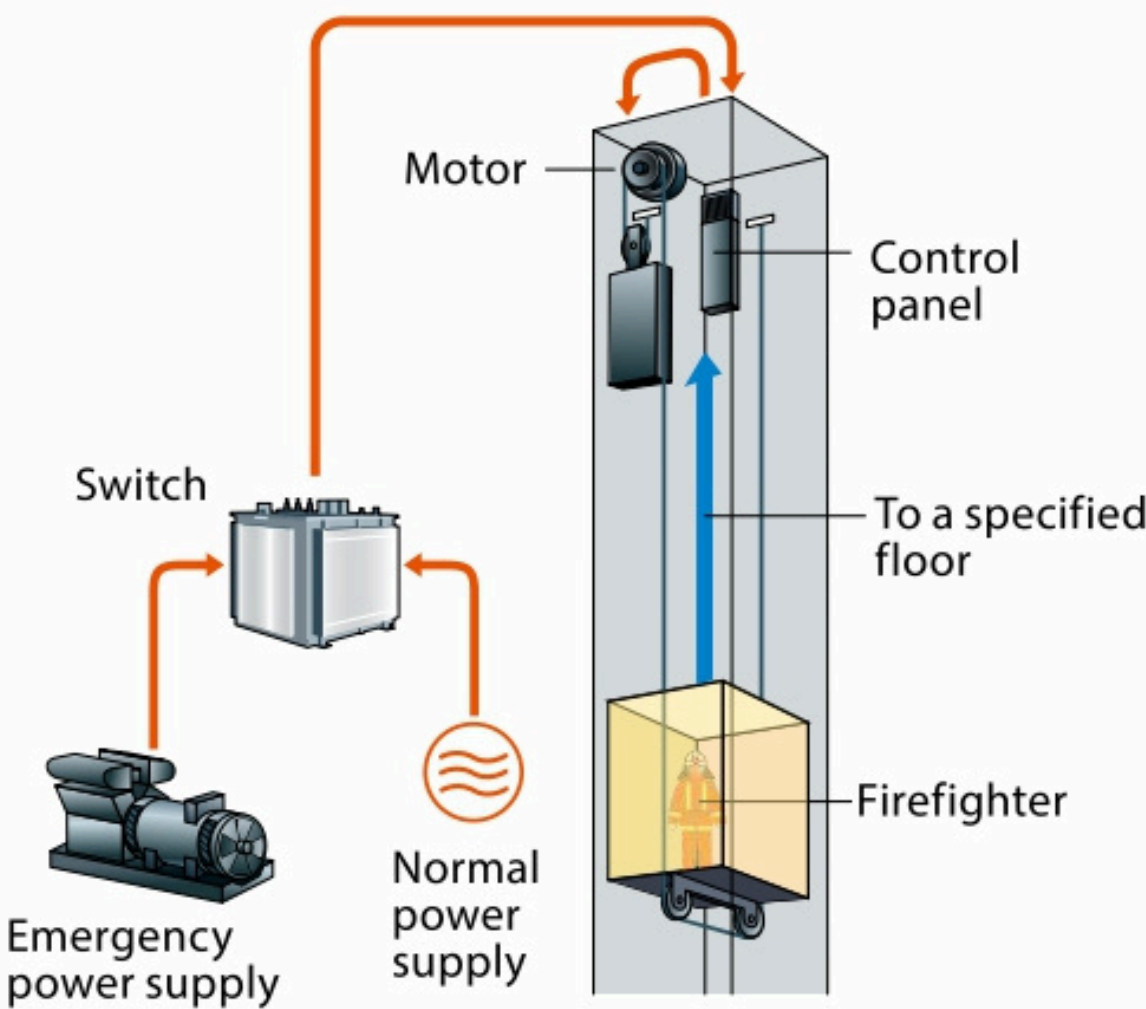


Material Selection: The quality of materials used is crucial for the durability and safety of the elevator. Common materials include steel for the framework, stainless steel for doors and cabin interiors, and high-strength ropes or belts for the lifting mechanism.

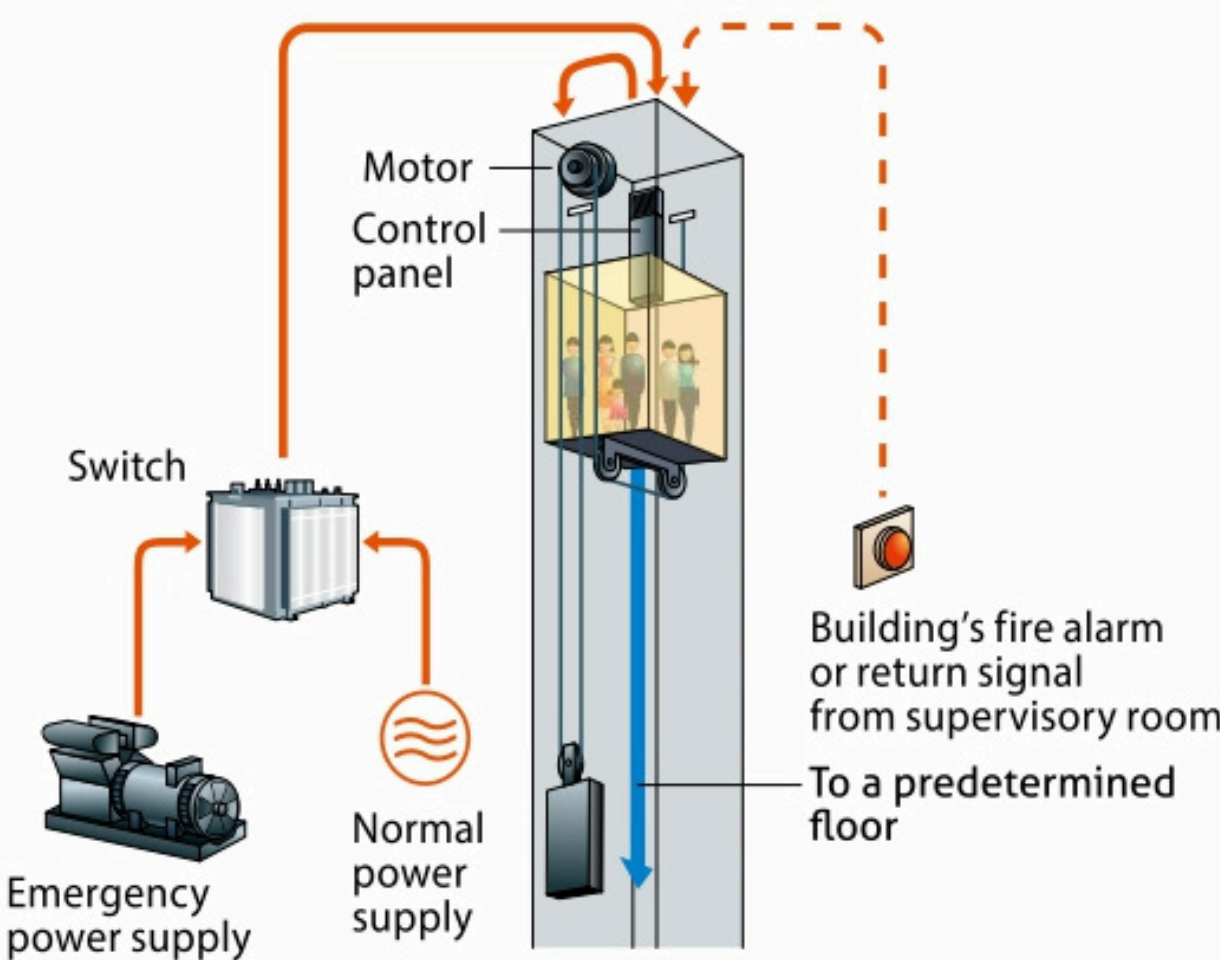


Procurement: Reliable suppliers are chosen to provide the raw materials. Ensuring the materials meet the necessary standards and certifications is essential.

FIRE

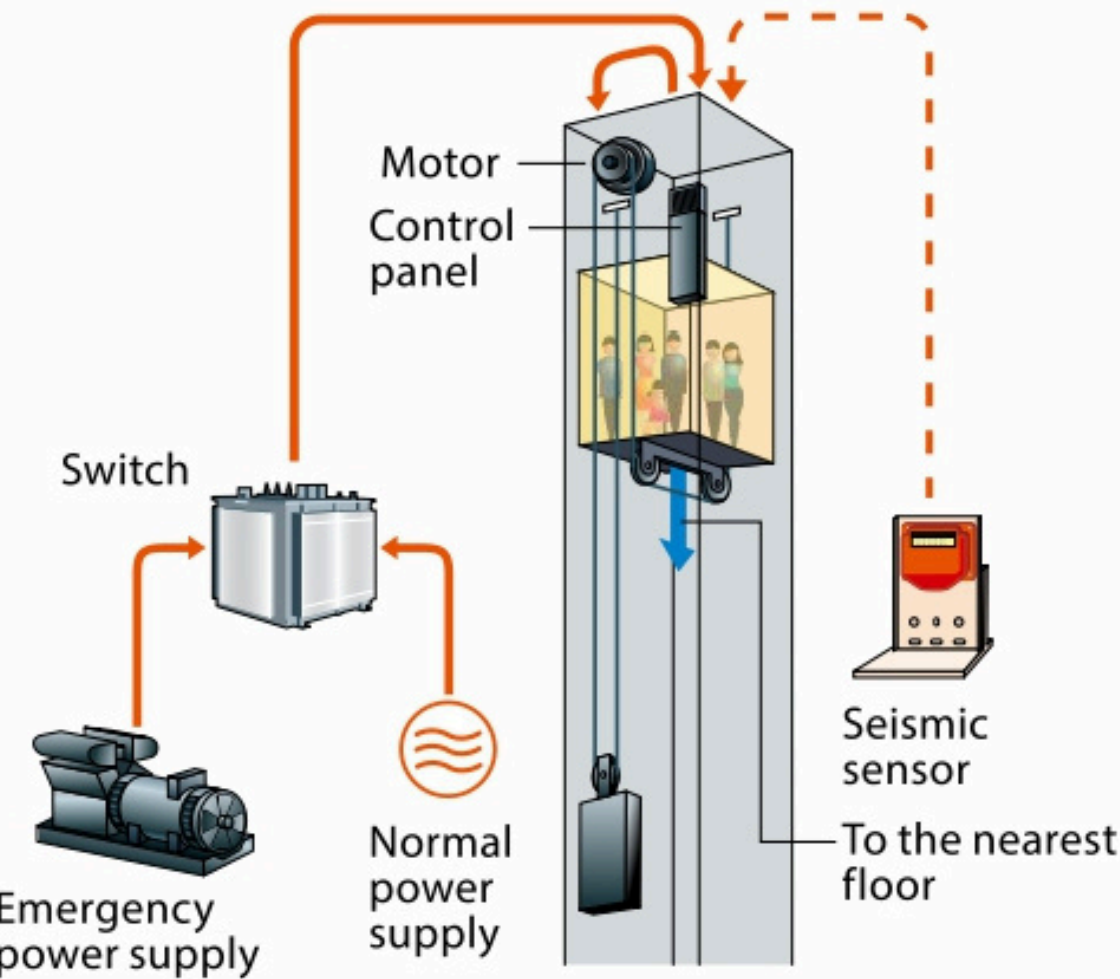


Firefighters' Emergency Operation: FE (Optional)
When the fire operation switch is activated, the car immediately returns to a predetermined floor. The car then responds only to car calls which facilitate firefighting and rescue operations.



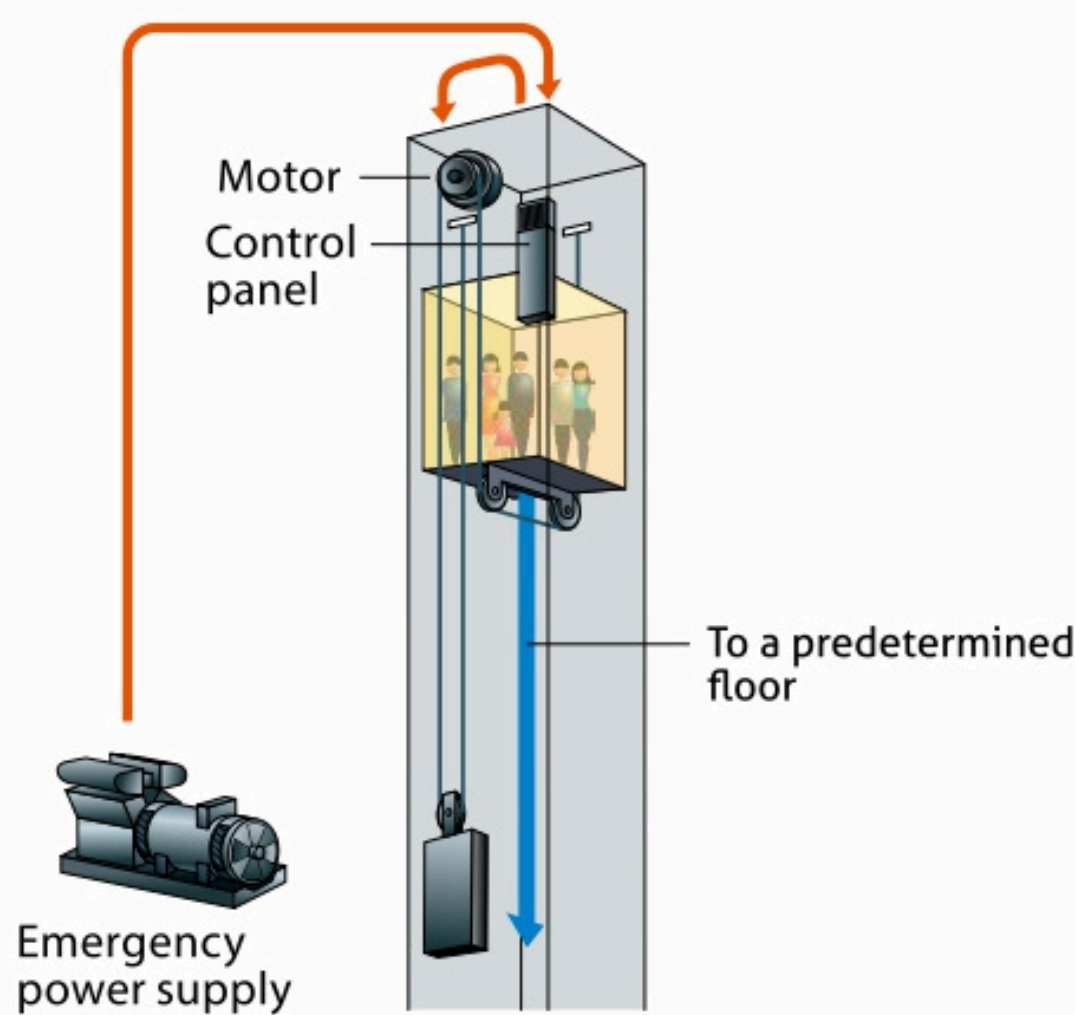
Fire Emergency Return: FER (Optional)
When a key switch or a building's fire alarm is activated, all cars immediately return to a predetermined floor and open the doors to facilitate the safe evacuation of passengers.

EARTHQUAKE



Earthquake Emergency Return: EER-S (Optional)
When a secondary wave seismic sensor is activated, all cars stop at the nearest floor and park there with the doors open to facilitate the safe evacuation of passengers.

POWER FAILURE



Operation by Emergency Power Source: Automatic OEPS (Optional)
Upon power failure, predetermined car(s) use a building's emergency power supply to move to a predetermined floor and open the doors for passengers to evacuate. After all cars have arrived, predetermined car(s) resume normal operation.

Car Designs

L210S LED

Ceiling : Stainless steel hairline-finish
Lighting: Downlights (LEDs)

Car Design Example

- Walls ————— Stainless steel, hairline-finish
 - Transom panel ——— Stainless steel, hairline-finish
 - Doors ————— Stainless steel, hairline-finish
 - Front return panels — Stainless steel, hairline-finish
 - Kickplate ————— Stainless steel, hairline-finish
 - Flooring ————— Supplied by customer
 - Car operating panel — CBV1-N710
- * Emergency exit will be provided as option

Car Finishes

Materials / Finishes	Walls	Transom panel	Doors	Front return panels	Kickplate	Sill
Painted steel sheet	S	S	S			
Stainless steel, hairline-finish	O	O	O	S	S	
Stainless-steel, hairline-finish with etched pattern (SUS-HE)	O	O	O	O		
Stainless-steel, Gold Finish	O	O	O	O		
Extruded hard aluminum						S

Note that flooring is supplied by customer.



STANDARD DESIGN

Overview: Standard designs are typically used in residential buildings, commercial offices, and smaller establishments.

FEATURES:

- **Basic Interior:** Simple yet elegant interiors with standard materials like stainless steel or painted steel.
- **Lighting:** Standard fluorescent or LED lighting.
- **Flooring:** Vinyl or rubber flooring for durability and ease of cleaning.
- **Capacity:** Varies, typically ranging from 4 to 10 passengers.
- **Control Panel:** Basic control panel with floor buttons and emergency stop button.



N600S

Ceiling : Stainless steel hairline-finish with rectangular slot pattern for ventilator
Lighting: Lighting on both sides

Car Design Example

- Walls ————— Painted steel sheet [Neutral beige]
- Transom panel ——— Painted steel sheet [Neutral beige]
- Doors ————— Painted steel sheet [Neutral beige]
- Front return panels — Stainless steel, hairline-finish
- Kickplate ————— Stainless steel, hairline-finish
- Flooring ————— Supplied by customer
- Car operating panel — CBV1-C710

N600

Ceiling : Painted steel sheet [Neutral beige]



S00S Standard

Ceiling : Stainless steel hairline-finish with a milky white resin lighting cover
Lighting: Central lighting

Car Design Example

- Walls ————— Painted steel sheet [Beige]
- Transom panel ——— Painted steel sheet [Beige]
- Doors ————— Painted steel sheet [Beige]
- Front return panels — Stainless steel, hairline-finish
- Kickplate ————— Stainless steel, hairline-finish
- Flooring ————— Supplied by customer
- Car operating panel — CBV1-S760

S00

Ceiling : Painted steel sheet (White)

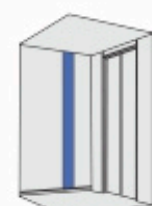


Car Operating panels

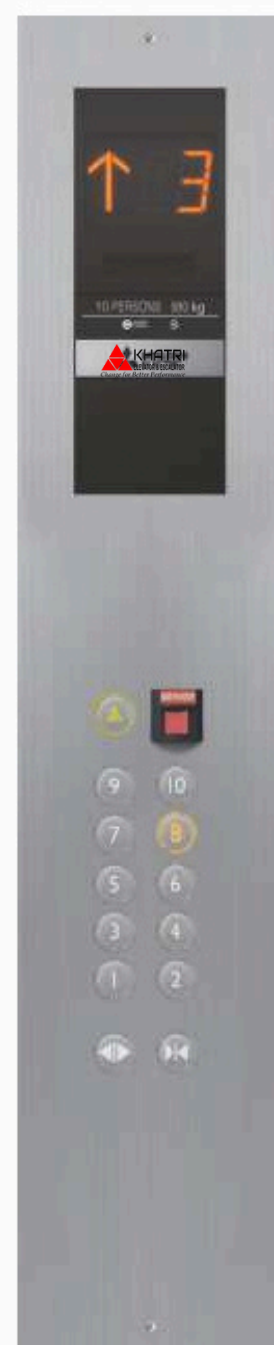
Car Operating Panels



For side wall



For FRP



CBV1-S760
(CBV1-S766)^{*3 & *5}



CBV1-N710^{*3}
(CBV1-N716)^{*3 & *5}



CBV1-C710^{*4}
(CBV1-C716)^{*4 & *5}

Handrail



YH-59S(SUS-HL)

Infrared Remote Control (EVRC-C) (optional)

A handy accessory, especially for exclusive operation and changing lighting settings, etc.



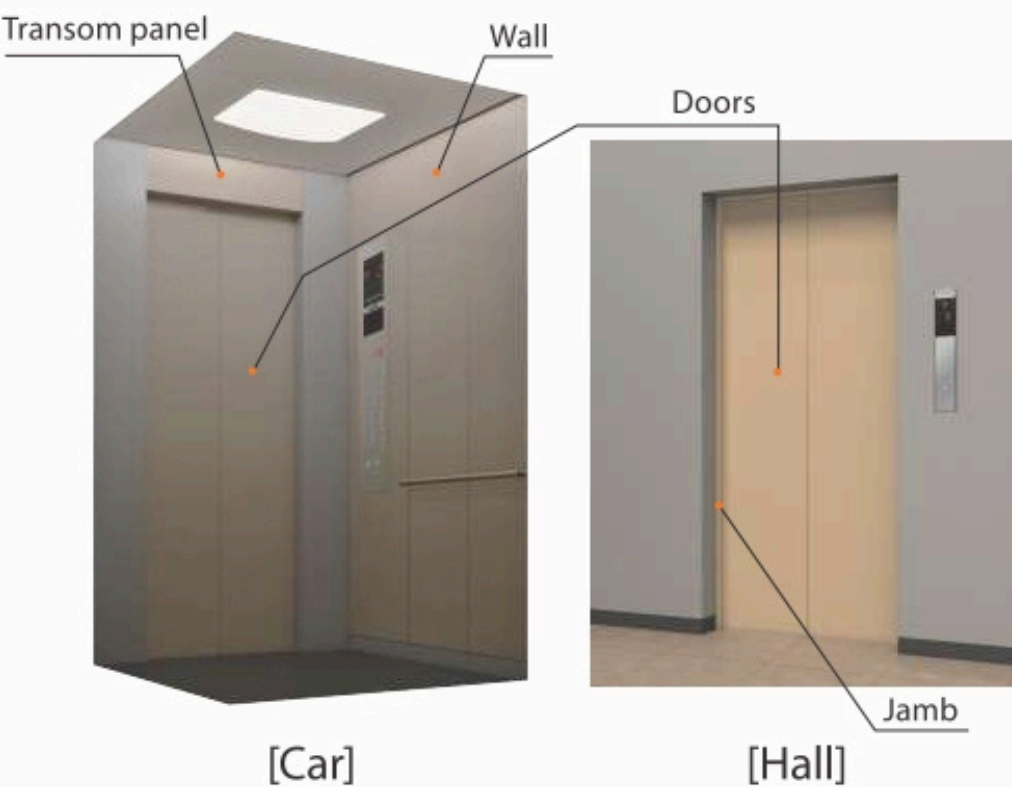
Available features

- Lighting can be turned on/off.
- Fan can be turned on/off.
- Attendant Service (AS) and Bypass (BP) setting (optional)^{*1}

Color Application

[Car] Walls, Transom Panel and Doors
[Hall] Jamb and Doors

Painted finish^{*2}



Note :
*1 AS or BP feature is applicable as an option only when EVRC-C is applied.
*2 For other finishes, please consult us.
*3 CBV1-S766, CBV1-N710 & CBV1-N716 will be applicable only P13 & P15.
*4 CBV1-C710 & CBV1-C716 will be applicable only P13 & P15 (Except Deeper Cabin).
*5 The types in parentheses () show an auxiliary car operating panels (optional). The design is slightly different from the above images.
Please consult us for further information such as installation location.

Hall Design

E-102 Narrow Jamb



Jamb ——— Painted steel sheet [Light brown]
Doors ——— Painted steel sheet [Light brown]
Hall position indicator and button — PIV1-A1010NA



Jamb ——— Stainless steel, hairline-finish
Doors ——— Stainless steel, hairline-finish
Hall position indicator and button — PIV1-C710N



Jamb ——— Stainless steel, hairline-finish
Doors ——— See-through doors
Hall position indicator and button — PIV1-A1010NA

Hall Finishes

Materials/Finishes	Jamb	Doors	Sill
Painted steel sheet	S	S	
Stainless steel, hairline-finish	O	O	
Stainless-steel, hairline-finish with etched pattern (SUS-HE)		O	
Stainless-steel, Gold Finish	O	O	
Extruded hard aluminum			S

Hall Position Indicators and Buttons

With Plastic Case



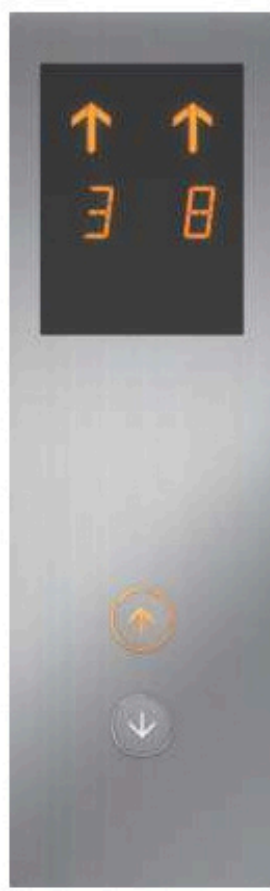
Standard
PIV1-A1010NA
PIV1-A1010BA



Standard
PIV1-A1020NA
PIV1-A1020BA



PIV1-C710N



PIV1-C720N



FE Switch
FE-C60



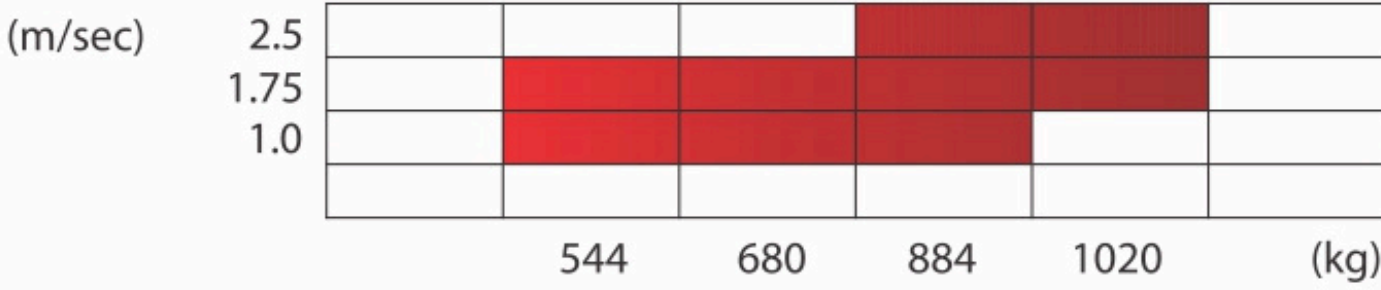
HLV-A16S



HLH-A16S

Basic Specification - With Machine Room (MR)

Application for MR



Horizontal Dimensions

Code number	Number of persons	Rated speed (m/sec)	Rated capacity (kg)	Door type	Entrance width (mm) JJ	Counter-Weight position	Car internal dimensions (mm) AA × BB	With fireproof SS Doors (Fireproof Glass Doors)		
								Minimum hoistway dimensions (mm) AH × BH	Minimum machine room dimensions (mm) AM × BM	
P8-CO	8	1.0 1.75	544	CO	800 : Standard	Rear	1300×1100	1770 (1840) × 1675	1860 (1950) × 2950	
			900 : Optional				1970 (2040) × 1675	2060 (2150) × 2950		
P10-CO	10		680		800 : Standard		1300x1350	1770 (1840) × 1925	1860 (1950) × 3200	
					900 : Optional			1970 (2040) x 1925	2060 (2150) × 3200	
P10D-CO				25	800 : Standard	Side		1100x1600	1895 × 1965	1895 × 1965
					900 : Optional				1995 (2040) × 1965	1995 (2040) × 1965
P10D-2S					900 : Optional			1735 × 2030	1735 × 2030	
P13-CO	13		1.0 1.75 2.5	884	CO	900 : Standard	Rear	1600x1350	2000 (2040) × 1925	2000 (2040) × 1950
		1000 : Optional				2200 (2240) × 1925			2200 (2240) × 1925	
		1100 : Optional				2400 (2440) × 1925			2400 (2440) × 1950	
		900 : Standard				2000x1100			2400 × 1675	2400 × 1700
P13W-CO		1000 : Optional						2400 × 1675	2400 × 1700	
		1100 : Optional				2400 (2440) × 1675		2400 (2440) × 1700		
P13D-CO		25			900 : Standard	Side	1100x2000	2075 x 2365	2075 × 2365	
					800 : Optional			1975 x 2365	1975 × 2365	
					1000 : Optional			2175 (2240) x 2365	2175 (2240) × 2365	
P13D-2S					900 : Standard			1850 × 2430	1850 × 2430	
					1000 : Optional		1850 × 2430	1850 × 2430		
P15-CO		15			1.75 2.5	1020	CO	900 : Standard	Rear	1600x1500
	1000 : Optional		2200 (2240) × 2075	2200 (2240) × 2100						
	1100 : Optional		2400 (2440) × 2075	2400 (2440) × 2100						
	900 : Standard		Side	1100x2200				2075 × 2565		
P15D-CO	800 : Optional						1975 × 2565	1975 x 2565		
	1000 : Optional						2175 (2240) x 2565	2175 (2240) × 2565		
	900 : Standard						1850 × 2630	1850 × 2630		
P15D-2S	25		1000 : Optional				1850 × 2630	1850 × 2630		

- [Terms of the table]
- The contents of this table only apply to standard specifications. Please consult us for other specifications.
 - Rated capacity is calculated as 68kg per person.
 - CO: 2-panel center opening doors, 2S: 2-panel side sliding doors.
 - Minimum hoistway dimensions (AH and BH) shown in the table are after waterproofing of the pit and do not include plumb tolerance.
 - This table shows the dimensions for IS3614-compliant fireproof doors.
 - Fireproof Glass doors are not applicable for 2S Doors.
 - Fireproof Glass doors are applicable for all CO Doors. Same Hoistway dimension & Machine room dimension required wherever red font dimension not given.

Vertical Dimensions

Rated speed (m/sec)	Rated capacity (kg)	Travel (m) TR	Maximum number of stops	Minimum overhead (mm) OH	Minimum pit depth (mm) PD	Minimum Machine room clear height (mm) HM	Minimum floor to floor height (mm)
1.0	544, 680, 884	TR ≤ 60	22	4400	1360	2200	2610
1.75	544, 680, 884, 1020	TR ≤ 90	34	4630	1410		
2.5	884, 1020	TR ≤ 90 90 < TR ≤ 120	34 36	4950 5050	1900 2000		

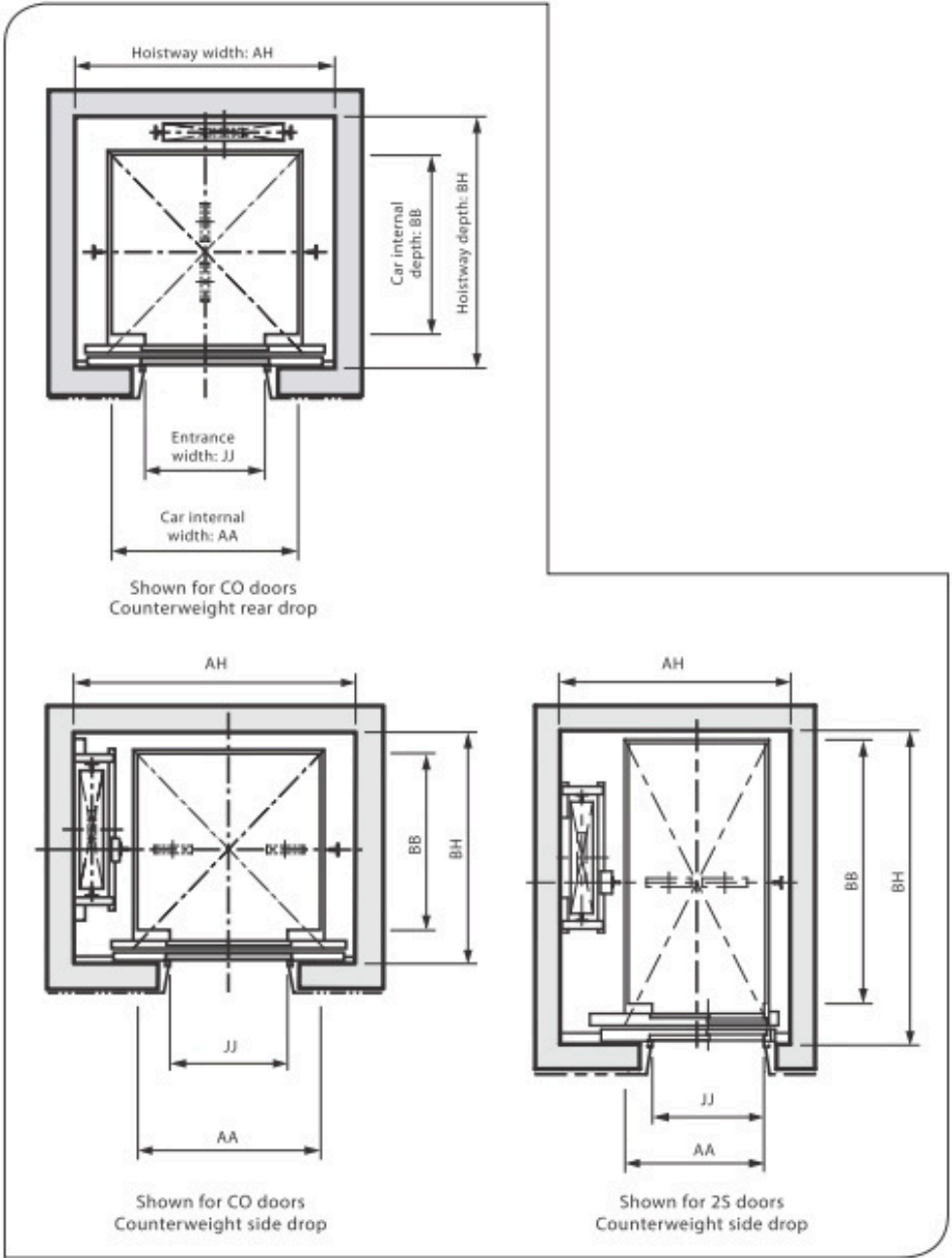
- [Terms of the table]
- The contents of this table only apply to standard specifications without counterweight safety. Please consult us for other specifications.

Power Feeder Data

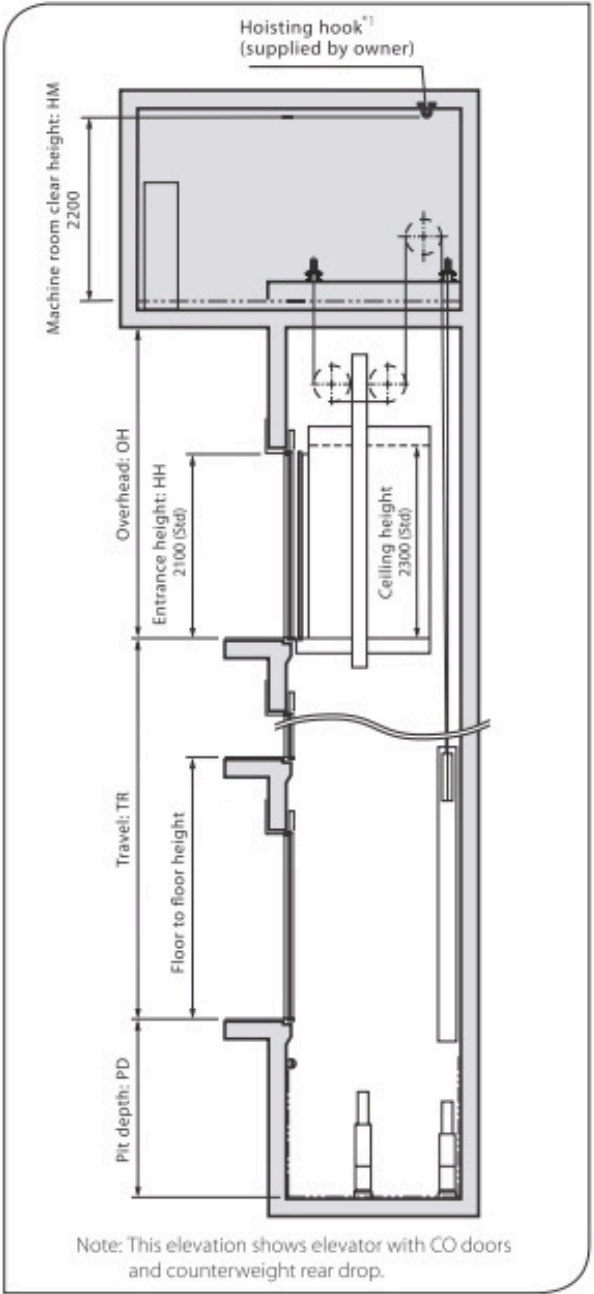
Capacity (kg)	Rated speed (m/sec)	Motor output (kW)	Current at 400V		Capacity of power supply (kVA)	Breaker current rating (A) 400V	Heat emissions (W)
			FLU (A)	FLAcc (A)			
544	1.0	3.7	10	16	5	15	850
	1.75	6.5	15	26	7	20	1500
680	1.0	4.6	12	19	5	15	1100
	1.75	8.1	19	32	8	30	1900
884	1.0	5.6	14	24	6	20	1400
	1.75	9.7	24	41	10	30	2400
	2.5	14	33	58	14	50	3450
1020	1.75	11	27	47	12	40	2800
	2.5	16	38	66	16	50	3950

FLU: current during upward operation with full load at power supply voltage of 400V.
FLAcc: current while accelerating with full load at power supply voltage of 400V.
Note: If power supply voltage (E) is a value other than 400V, FLU current and FLAcc current are obtained via the following formula.
(FLU/FLAcc current (A) at E (V)) = (Current at 400V) × (400/E (V))

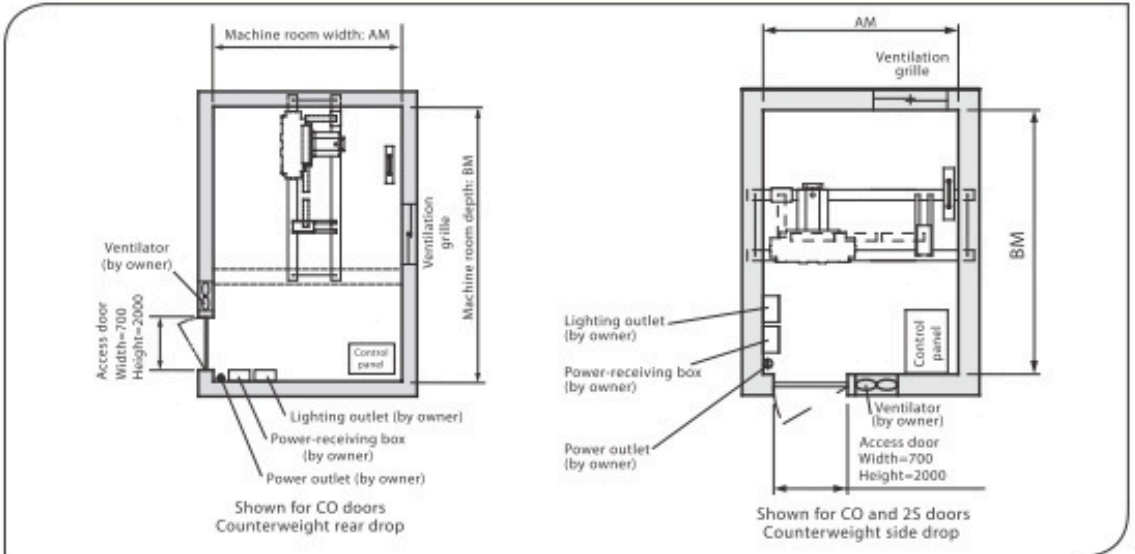
Hoistway Plan



Elevation



Machine Room Plan



Note - Operation System
4 Car Group Control operation is available in 2.5 m/sec.

Note:
*1 Each load is as follows.
Hoists equipment: 20000N
Traction machine: 20000N
Control panel: 5000N

Basic Specification - Machine Room-Less (MRL)

Application for MRL

(m/sec)						
1.75						
1.0						
	544	680	884	1020	(kg)	

Horizontal Dimensions

Code number	Number of persons	Rated speed (m/sec)	Rated capacity (kg)	Door type	Entrance width (mm) JJ	Counter-Weight position	Car internal dimensions (mm) AA×BB	With fireproof SS Doors (Fireproof Glass Doors)	
								Minimum hoistway dimensions (mm) AH×BH	
P8-CO	8	1.0 1.75	544	CO	800 : Standard	Side	1100×1300	1820 (1840) × 1735	
P8-2S				900 : Optional	2000 (2040) × 1735				
P10-CO	680		CO	900 : Optional	1300×1350		1650 × 1740		
P10D-CO				800 : Standard			1100×1600	1920 × 1735	
P10D-2S			900 : Optional	2025 (2040) × 1735					
P13-CO			13	884	CO		800 : Standard	1100×1600	1820 (1840) × 1935
P13D-CO	900 : Optional						2000 (2040) × 1935		
P13D-2S	900 : Optional						1650 × 2000		
P15-CO	2S				900 : Standard		1600×1350	2175 × 1735	
P15D-CO					1000 : Optional			2275 × 1735	
P15D-2S					1100 : Optional			2400 (2440) × 1735	
P18-CO	18		1020	CO	900 : Standard		1100×2000	2000 (2040) × 2335	
P18D-CO					800 : Optional			1820 (1840) × 2335	
P18D-2S					1000 : Optional			2200 (2240) × 2335	
P20-CO				2S	900 : Standard		1600×1500	1650 × 2400	
P20D-CO					1000 : Optional			1865 × 2400	
P20D-2S					1100 : Optional			2175 × 1835	
P25-CO	25		1300	CO	2275 × 1835		1600×1500	2400 (2440) × 1835	
P25D-CO					900 : Standard			1100×2200	2000 (2040) × 2535
P25D-2S					800 : Optional				1820 (1840) × 2535
P30-CO				1000 : Optional	2200 (2240) × 2535				
P30D-CO				2S	900 : Standard		1100×2200	1650 × 2600	
P30D-2S					1000 : Optional			1865 × 2600	

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 - Fireproof Glass doors are not applicable for 2S Doors
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Vertical Dimensions

Rated speed (m/sec)	Travel (m) TR	Maximum number of stops	Minimum overhead (mm) OH			Minimum pit depth (mm) PD	Minimum floor to floor height (mm)
			Ceiling Type				
			S00 / S00S	L210S	N600 / N600S		
1.0	TR ≤ 30	22	3750	3800	3700	1300	2610
	30<TR≤ 60		3800	3850	3750	1300	
1.75	TR ≤ 30	28	3950	4000	3900	1600	
	30<TR≤ 60		4000	4050	3950	1700	
	60<TR≤ 80		4150	4200	4100	1750	

- [Terms of the table]
- The contents of this table only apply to standard specifications without counterweight safety. Please consult us for other specifications.

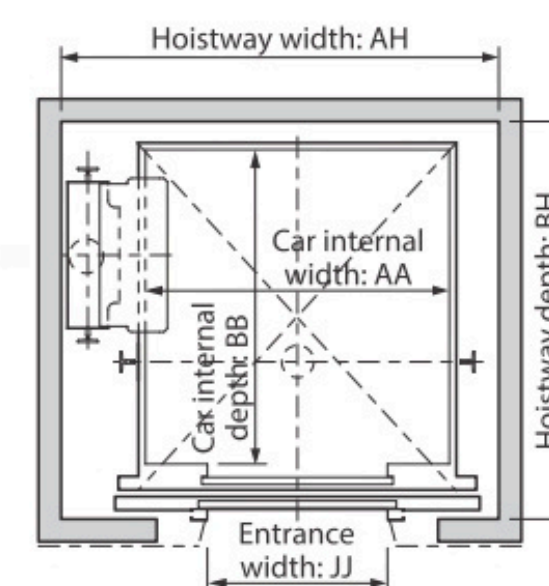
Power Feeder Data

Capacity (kg)	Rated speed (m/sec)	Motor output (kW)	Current at 400V		Capacity of power supply (kVA)	Breaker current rating (A) 400V	Heat emissions (W)
			FLU (A)	FLAcc (A)			
544	1.0	3.7	9	15	4	15	850
	1.75	6.5	15	25	6	20	1340
680	1.0	4.6	12	20	5	15	1100
	1.75	8.1	20	34	8	30	1780
884	1.0	5.6	14	24	6	20	1260
	1.75	9.7	23	40	10	30	2060
1020	1.0	6.2	16	27	7	20	1420
	1.75	11	26	46	11	40	2340

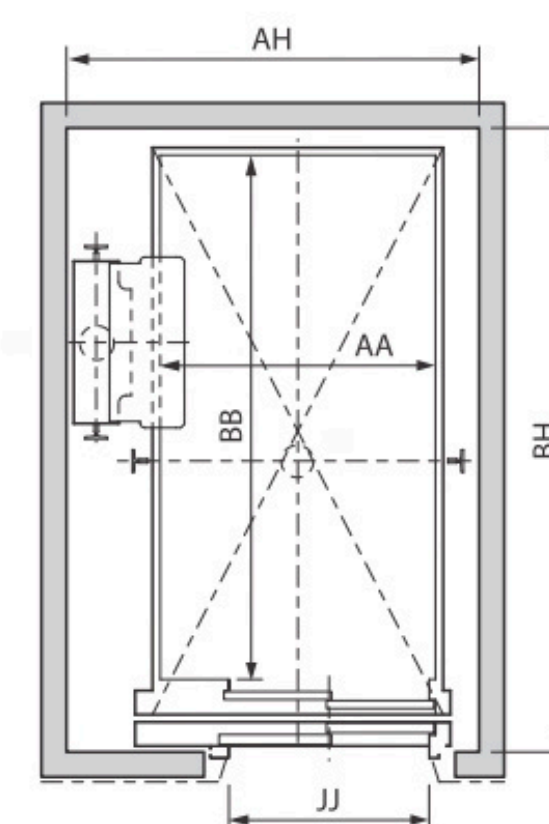
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Note: If power supply voltage (E) is a value other than 400V, FLU current and FLAcc current are obtained via the following formula.
(FLU/FLAcc current (A) at E (V)) = (Current at 400V) × (400/E (V))

Hoistway Plan



Shown for CO doors
Counterweight side drop

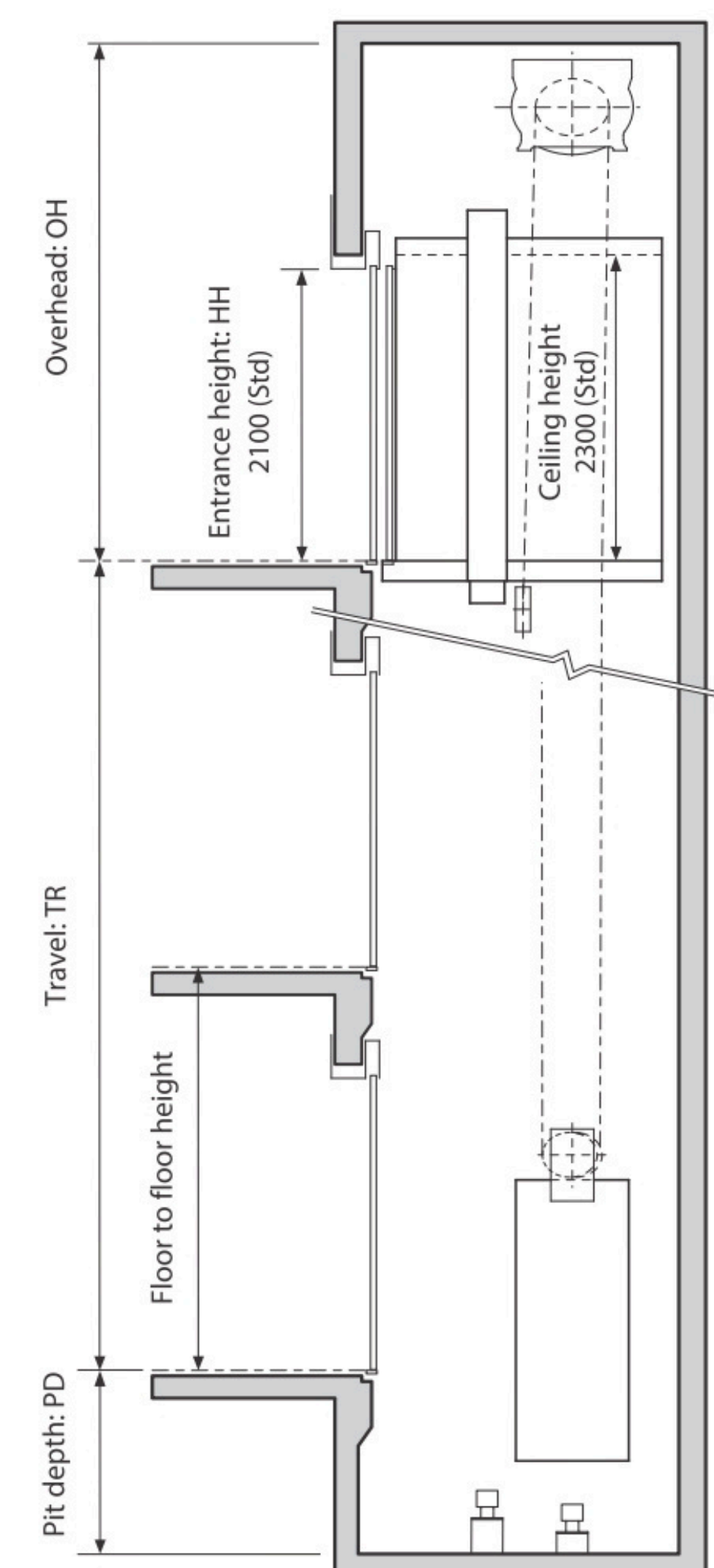


Shown for 2S doors
Counterweight side drop

Note - Operation System

4 Car Group Control operation is available in MRL.

Hoistway Section



Features

Standard Features

Feature	Abbreviation	Description	1 Car	2 Car	3 Car
Mitsubishi Emergency Landing Device	MELD	Upon power failure, a car equipped with this function automatically moves to and stops at the nearest floor using a rechargeable battery, and the doors open to facilitate the safe evacuation of passengers. (Maximum allowable floor-to-floor distance is 10 meters.)	S	S	S
Emergency Bell	EMB	A system for entrapped passengers in a car to contact a person outside by pressing the alarm button on the car operating panel.	S	S	S
Emergency Car Lighting	ECL	Car lighting which turns on immediately when power fails to provide a minimum level of lighting within the car. (Choice of dry-cell battery or trickle-charge battery.)	S	S	S
Door sensor self-diagnosis	DODA	Failure of non-contact door sensors is checked automatically, and if a problem is diagnosed, the door close timing is delayed and the closing speed is reduced to maintain elevator service and ensure passenger safety.	S	S	S
Automatic Door Speed Control	DSAC	Door load on each floor, which can depend on the type of hall door, is monitored to adjust the door speed, thereby making the door speed consistent throughout all floors.	S	S	S
Reopen With Hall Button	ROHB	Closing doors can be reopened by pressing the hall button corresponding to the traveling direction of the car.	S	S	S
Repeated Door-Close	RDC	Should an obstacle prevent the doors from closing, the doors will repeatedly open and close until the obstacle is cleared from the doorway.	S	S	S
Door Nudging Feature-with Buzzer	NDG	A buzzer sounds and the doors slowly close when they have remained open for longer than the preset period. With AAN-G, a beep and voice guidance sound instead of the buzzer.	S	S	S
Door Load Detector	DLD	When excessive door load has been detected while opening or closing, the doors immediately reverse.	S	S	S
Multi-Beam Door Sensor	-	Multiple infrared-light beams cover some of the height and full width of the doors. Closing doors can be reopened when one infrared-light beam is interrupted.	S	S	S
Safe Landing	SFL	If a car has stopped between floors due to some equipment malfunction, the controller checks the cause, and if it is considered safe to move the car, the car will move to the nearest floor at low speed and the doors will open.	S	S	S
Next Landing	NXL	If the elevator doors do not open fully at a destination floor, the doors close and the car automatically moves to the next or nearest floor where the doors will open.	S	S	S
Continuity of Service	COS	A car which is experiencing trouble is automatically withdrawn from group control operation to maintain overall group performance.	-	S	S
Overload Holding Stop	OLH	A buzzer sounds to alert the passengers that the car is overloaded. The doors remain open and the car will not leave that floor until enough passengers exit the car.	S	S	S
Car Call Canceling	CCC	When a car has responded to the final car call in one direction, the system regards remaining calls in the other direction as mistakes and clears them from the memory.	S	S	S
Car Fan Shut Off-Automatic	CFO-A	Car ventilation fan shut off automatically to conserve energy if there are no calls for a specified period.	S	S	S
Car Light Shut Off-Automatic	CLO-A	Car lighting shut off automatically to conserve energy if there are no calls for a specified period.	S	S	S
Backup Operation for Group Control Microprocessor	GCBK	An operation by car controllers which automatically maintains elevator operation in the event that a microprocessor or transmission line in the group controller has failed.	-	S	S
Independent Service	IND	Exclusive operation where a car is withdrawn from group control operation for independent use, such as maintenance or repair, and responds only to car calls.	S	S	S
False Call Canceling Car Button Type	FCC-P	If a wrong car button is pressed, it can be canceled by quickly pressing the same button again twice.	S	S	S

Car Computer Backup Operation	CCBK	Failure of a car controller is immediately reported to the control system. The car parks at the next stop and opens the doors so that passengers exit.	S	S	S
Hall Computer Backup Operation	HCBK	Failure of a hall controller is immediately reported to the control system. The car parks at the next stop and opens the doors so that passengers exit.	S	S	S
Strategic Overall Spotting	SOHS	To reduce passenger waiting time, cars which have finished service are automatically directed to positions where they can respond to predicted hall calls as quickly as possible.	-	S	S
Car Top Buzzer	CTBZ	According to elevator operating condition, various buzzers are provided.	S	S	S

Optional Features

Feature	Abbreviation	Description	1 Car	2 Car	3 Car
Operation by Emergency Power Source - Automatic Only	OEPS-SA	Upon power failure, predetermined car(s) use a building's emergency power supply to move to a specified floor, where the doors then open to facilitate the safe evacuation of passengers. After all cars have arrived, predetermined car(s) will resume normal operation.	A	A	A
Fire Emergency Return	FER	Upon activation of a key switch or a building's fire sensors, all calls are canceled, all cars immediately return to a specified evacuation floor and the doors open to facilitate the safe evacuation of passengers.	A	A	A
Firefighter's Emergency Operation	FE	During a fire, when the fire operation switch is activated, the car calls of a specified car and all hall calls are canceled and the car immediately returns to a pre-determined floor. The car then responds only to car calls which facilitate fire-fighting and rescue operations.	A	A	A
Earthquake Emergency Return	EER-S	Upon activation of seismic sensors, all cars stop at the nearest floor, and park there with the doors open to facilitate the safe evacuation of passengers.	A	A	A
Emergency Stop with Switch	EMS	This feature is provided on the car operating panel and makes the running car stop in case of emergency.	A	A	A
Contact Supply of Elevator State Signal for BA/BMS	CSB	The signals of elevator state are output to the BA (Building Automation)/BMS (Building Management System) by contacts.	A	A	A
Car Arrival Chime-Car	AECC ^{*2}	Electronic chimes sound to indicate that a car will soon arrive. (The chimes are mounted either on the top and bottom of the car.)	A	A	A
Car Arrival Chime - Hall	AECH ^{*2}	Electronic chimes sound to indicate that a car will soon arrive. (The chimes are mounted in each hall.) ^{*1}	A	A	A
Voice Guidance System	AAN-G	Information on elevator service such as the current floor or service direction is given to the passengers inside a car. (English only)	A	A	A
Inter-Communication System	ITP	A system which allows communication between passengers inside a car and the building personnel.	A	A	A
Non-Service Temporary Release for Car Call - Card Reader Type	NSCR-C	To enhance security, car calls for desired floors can be registered only by placing a card over a card reader. This function is automatically deactivated during emergency operation.	A	A	A
Elevator Remote Control - Car	EVRC-C	A handy accessory, especially for exclusive operation and changing lighting settings, etc.	A	A	A
Main Floor Parking	MFP	An available car always parks on the main (lobby) floor with the doors open.	A	A	A

S = Standard A = Optional

Note :

*1 AECH will be applicable along with Selection of Hall Lantern only

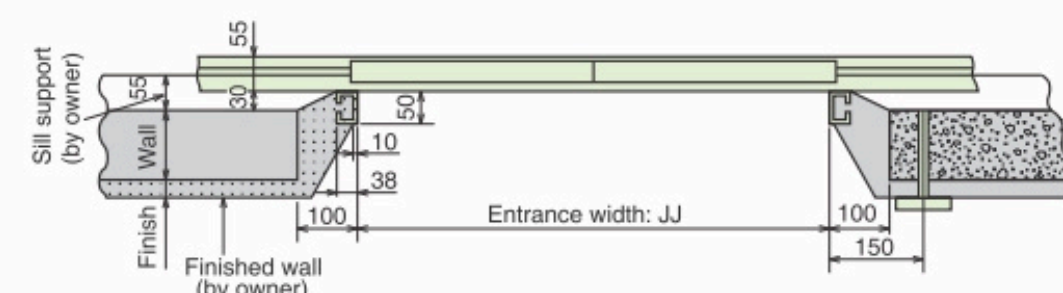
*2 AECC & AECH cannot be selected together

Entrance Layout Drawings

E-102

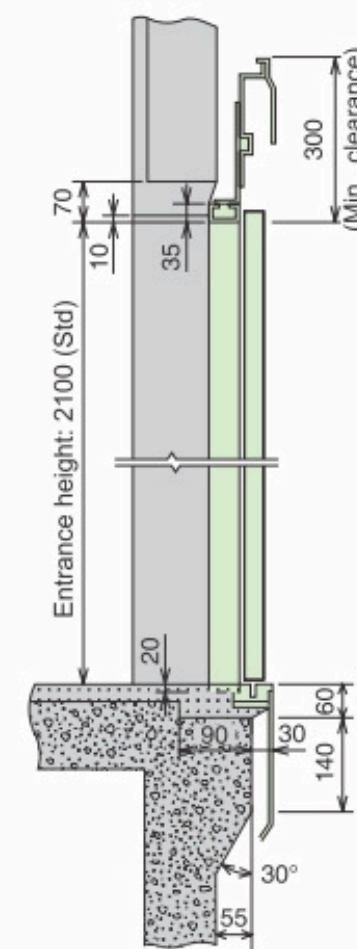
CO

Door plan (section B-B)

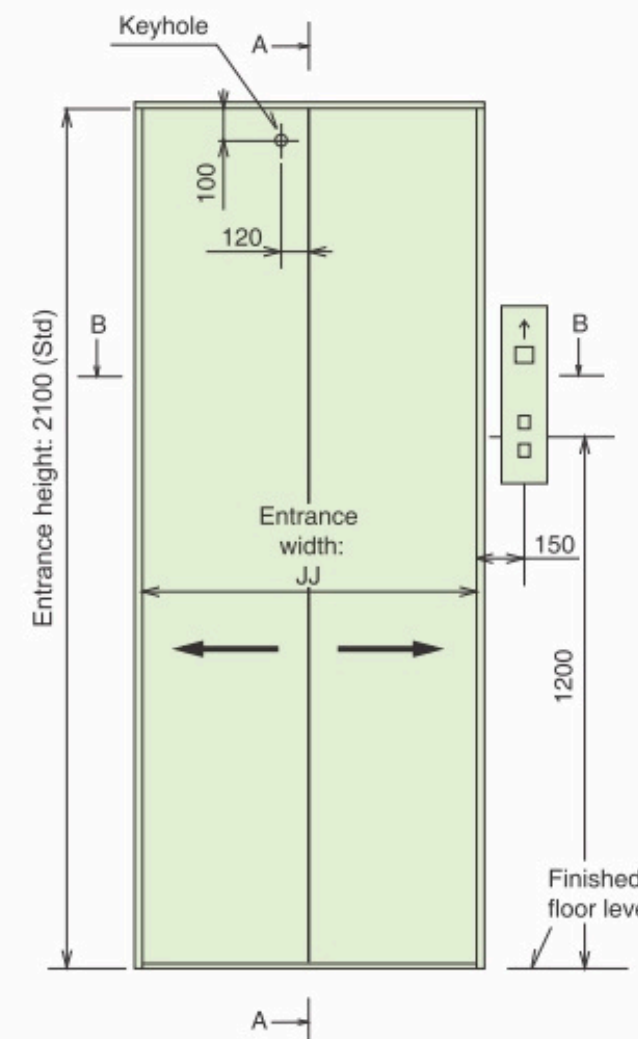


Note: This drawing indicates that boxless fixtures are mounted on the wall.

Door elevation (section A-A)

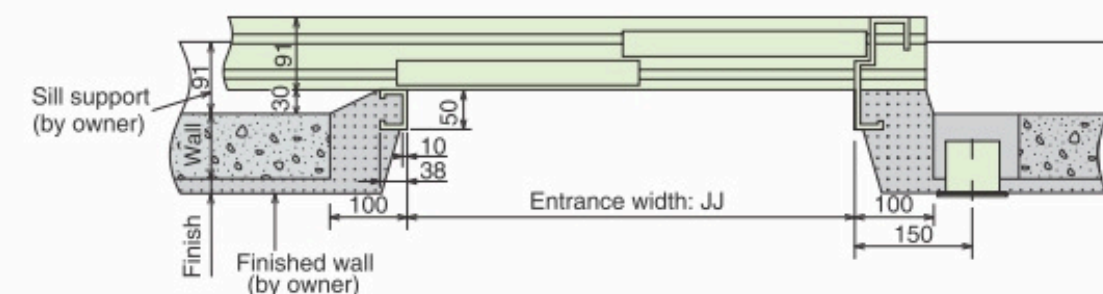


Hoistway entrance



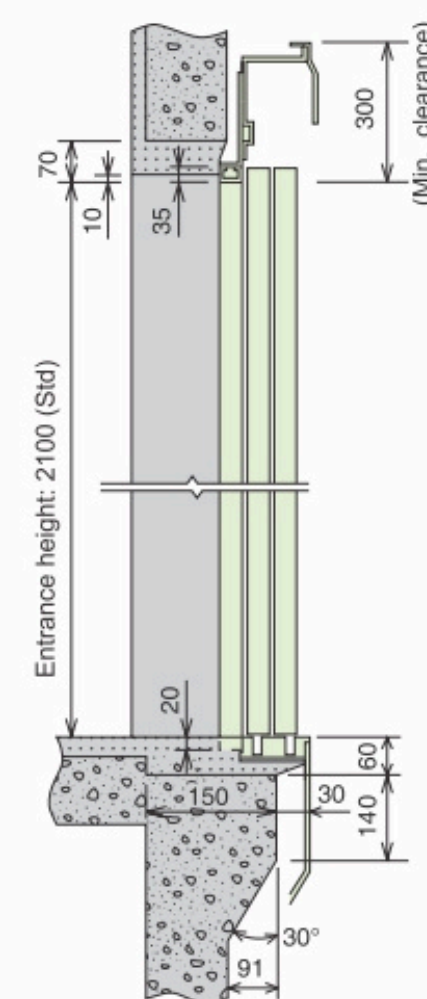
2S

Door plan (section B-B)

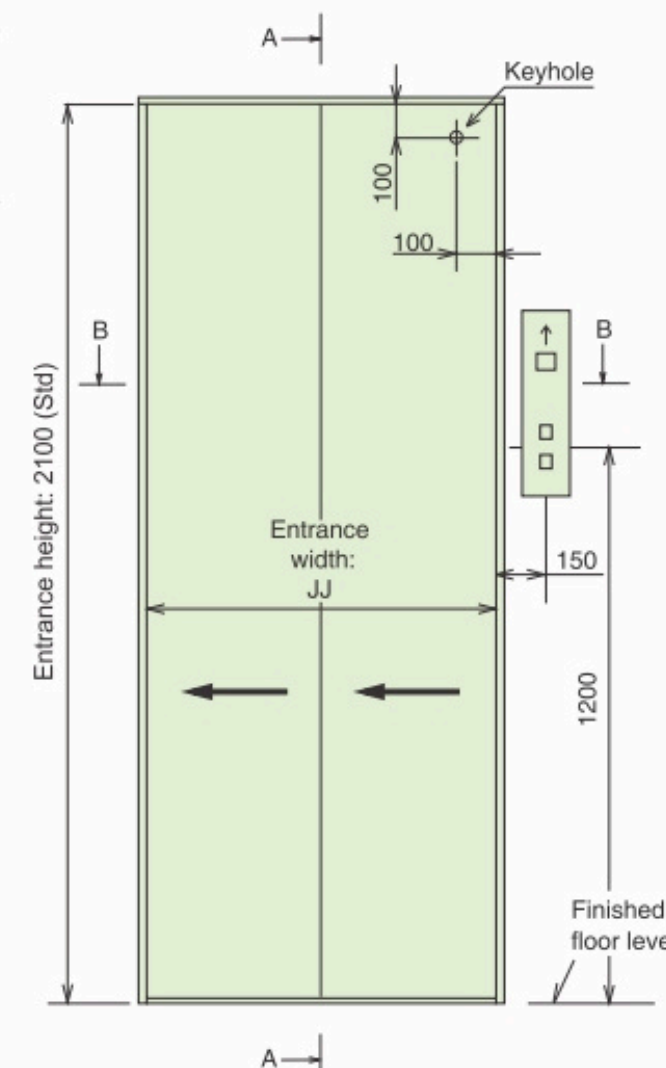


Note: This drawing indicates that fixtures with the back box are mounted on the wall.

Door elevation (section A-A)



Hoistway entrance



Important Information on Elevator Planning

Work Not Included in Elevator Contract

The following items are excluded from Mitsubishi Electric's elevator installation work, and are therefore the responsibility of the building owner or general contractor:

- Construction of the elevator machine room with proper beams and slabs, equipped with a lock, complete with illumination, ventilation and waterproofing.
 - Access to the elevator machine room sufficient to allow passage of the control panel and traction machine.
 - Architectural finishing of the machine room floor, and the walls and floors in the vicinity of the entrance hall after installation has been completed.
 - Construction of an illuminated, ventilated and waterproofed elevator hoistway.
 - The provision of cutting the necessary openings and joists.
 - Separate beams, when the hoistway dimensions markedly exceed the specifications, and intermediate beams when two or more elevators are installed.
 - All other work related to building construction.
 - The machine room power-receiving panel and the electrical wiring for illumination, plus the electrical wiring from the electrical room to the power-receiving panel.
 - The laying of conduits and wiring between the elevator pit and the terminating point for the devices installed outside the hoistway, such as the emergency bell, intercom, monitoring and security devices, etc.
 - The power consumed in installation work and test operations.
 - All the necessary building materials for grouting in of brackets, bolts, etc.
 - The test provision and subsequent alteration as required, and eventual removal of the scaffolding as required by the elevator contractor, and any other protection of the work as may be required during the process.
 - The provision of a suitable, locked space for the storage of elevator equipment and tools during elevator installation.
 - The security system, such as a card reader, connected to Mitsubishi Electric's elevator controller, when supplied by the building owner or general contractor.
 - Statutory approvals for elevator erection permission and operating license, as State wise.
- * Work responsibilities in installation and construction shall be determined according to local laws. Please consult us for details.

Elevator Site Requirements

- The temperature of the machine room and elevator hoistway shall be below 40°C.
- The following conditions are required for maintaining elevator performance.
 - a. A relative humidity below 90% on a monthly average and below 95% on a daily average.
 - b. Prevention shall be provided against icing and condensation occurring due to a rapid drop in temperature in the machine room and elevator hoistway.
 - c. The machine room and elevator hoistway shall be finished with mortar or other materials so as to prevent concrete dust.
- Voltage fluctuation shall be within a range of +5% to -10%.

Ordering Information

Please include the following information when ordering or requesting estimates:

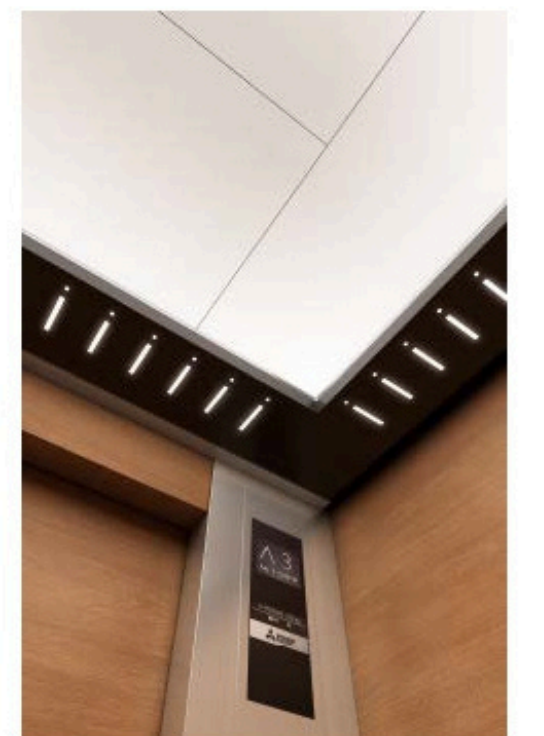
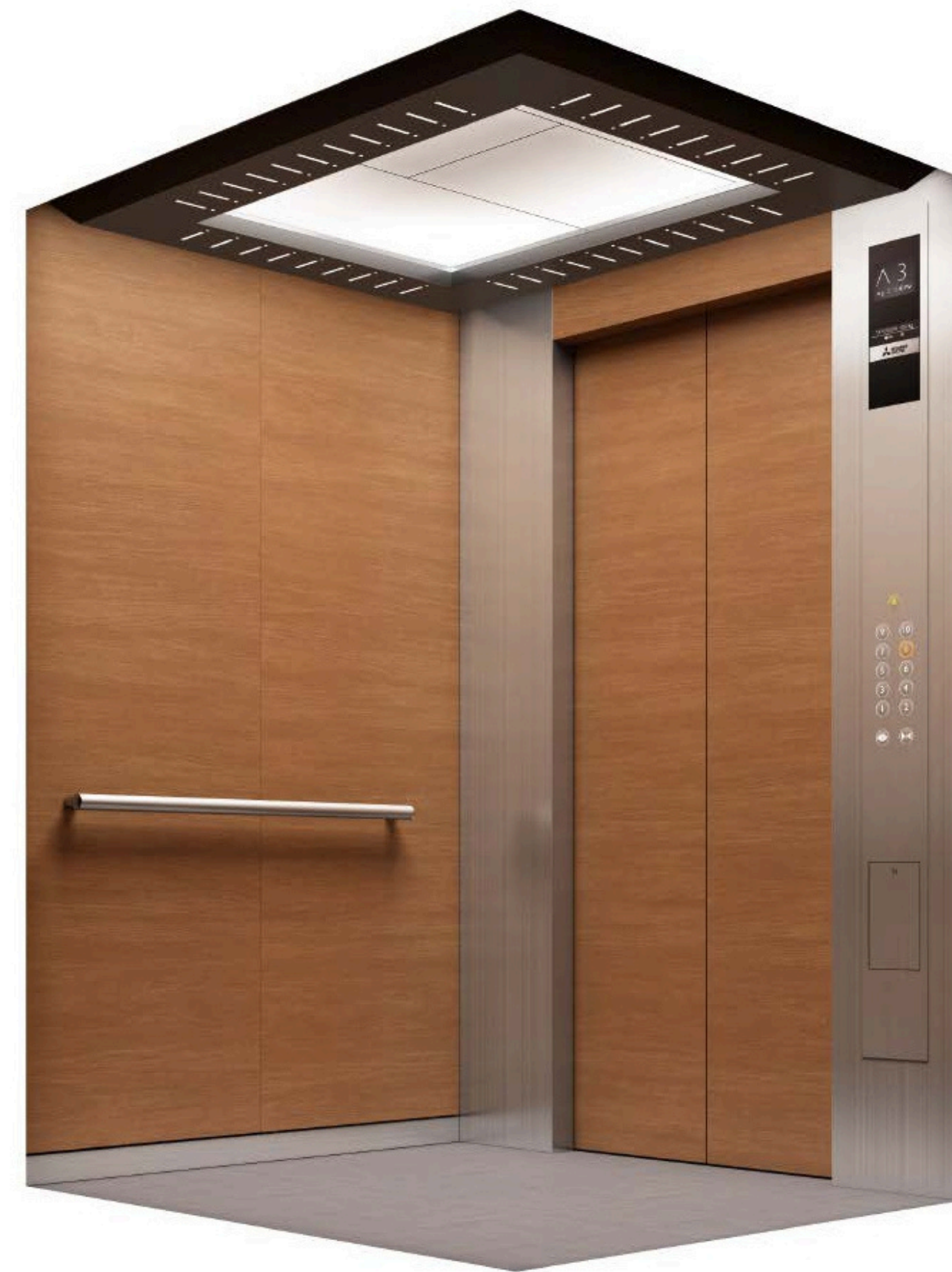
- The desired number of units, speed and loading capacity.
- The number of floors to be served or number of elevator landings along with non-stop and Emergency landing floor items.
- The total elevator travel and each floor-to-floor height.
- Operation system.
- Selected design and size of car.
- Entrance design.
- Signal equipment.
- A schematic diagram of the part of the building where the elevators are to be installed.
- The voltage, number of phases, and frequency of the power source for the motor and lighting.



Ceiling Design

L400

Softly lit illuminated ceiling with a sparkling slitted frame



Car Design Example

Ceiling (L400)	Panel: Painted steel sheet [Y055: Dark gray] Lighting: Indirect lighting (LEDs)
Walls	Pattern-printed steel sheet [CP121: Primary grain]
Transom panel	Pattern-printed steel sheet [CP121: Primary grain]
Doors	Pattern-printed steel sheet [CP121: Primary grain]
Front return panels	SUS-HL
Kickplate	SUS-HL
Flooring	PR803: Gray
Car operating panel	CBV1-C730
Handrail	YH-59S

Ceiling Design

Signal Fixtures

Interior

Hall Design

Observation Cars
(INTERVIEW ONLY)

Materials and Colors



INSTAGRAM



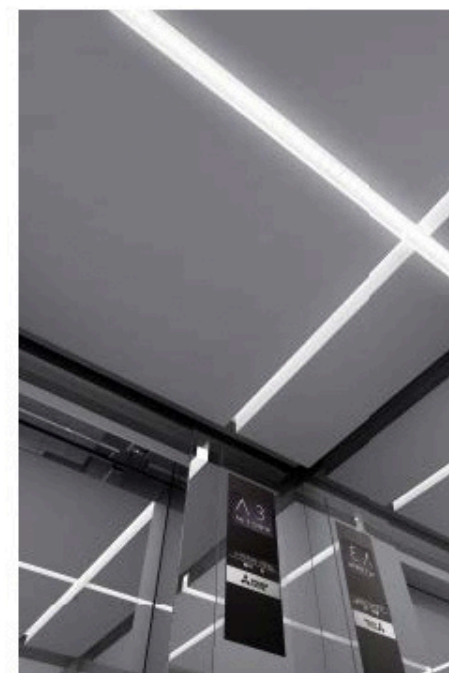
FACEBOOK



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L410

Contrast of light and shadows using sharp lines

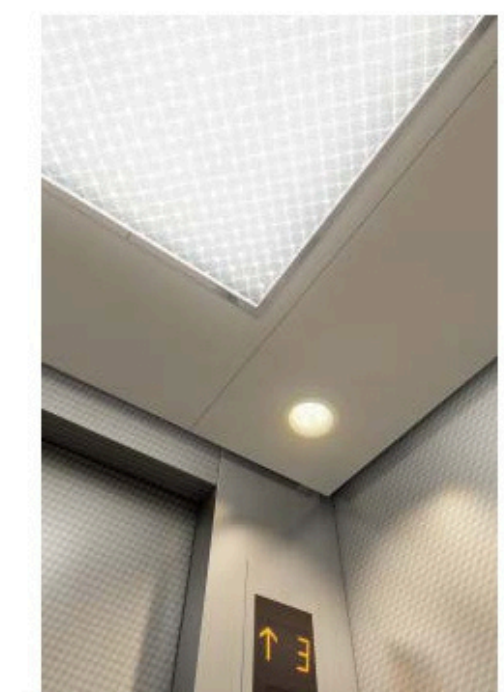


Car Design Example

Ceiling (L410)	Panel: Painted steel sheet [Y033: White] with slits Lighting: Slit lighting (LEDs)
Walls	SUS-M
Transom panel	SUS-M
Doors	SUS-M
Front return panels	SUS-M
Kickplate	SUS-HL
Flooring	PR812: Dim-gray
Car operating panel	CBV3-C730 (faceplate: SUS-M)
Handrail	YH-59M

L200

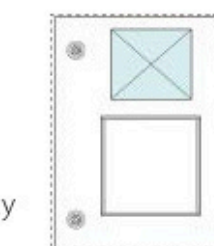
Twinkling lights through chandelier-like lighting panel



Car Design Example

Ceiling (L200)	Panel: Painted steel sheet [Y033: White] with an acrylic lighting cover Lighting: Central lighting and downlights (LEDs)
Walls	SUS-HE (EPA-4)
Transom panel	SUS-HE (EPA-4)
Doors	SUS-HE (EPA-4)
Front return panels	SUS-HL
Kickplate	SUS-HL
Flooring	PR810: Ocher
Car operating panel	CBV1-C760
Handrail	YH-59M

Note: Position of central lighting differs from images shown above when an emergency exit (the area shown in blue) is required.



Optional Ceiling Design L200S

Panel: SUS-HL
Others: Same as L200.

Actual colors may differ slightly from those shown.
Please refer to page 14 for the meaning of SUS-HL, SUS-HE and SUS-M.

Ceiling Design

Signal Fixtures

Interior

Hall Design

Observation Cars
(EXCLUSIVE, OCH)

Materials and Colors



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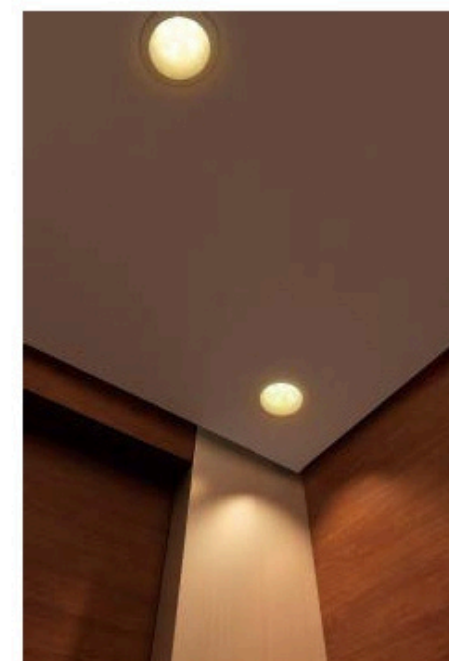
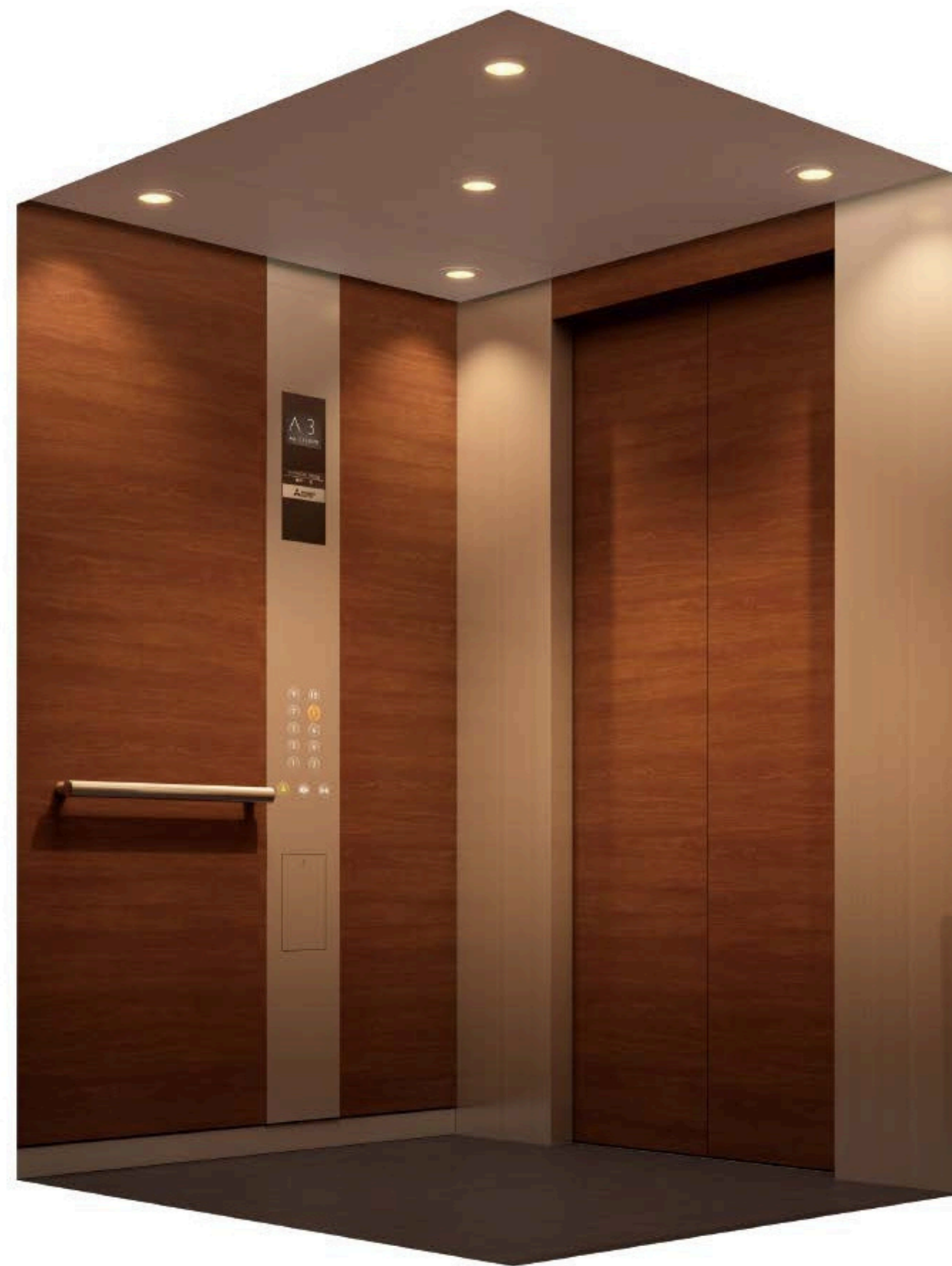
FACEBOOK



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L210

Sophisticated atmosphere created by downlights and shadows



Car Design Example

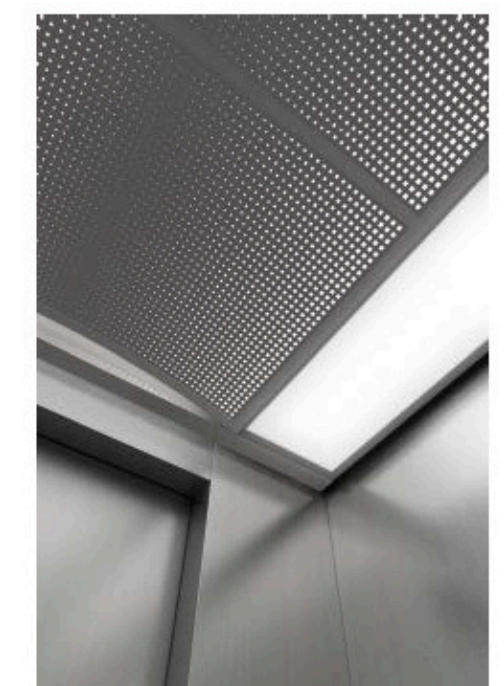
- Ceiling (L210) ——— Panel: Painted steel sheet [Y033: White]
Lighting: Downlights (LEDs)
- Walls ——— Pattern-printed steel sheet [CP111: Dark grain]
- Transom panel ——— Pattern-printed steel sheet [CP111: Dark grain]
- Doors ——— Pattern-printed steel sheet [CP111: Dark grain]
- Front return panels ——— SUS-HL
- Kickplate ——— SUS-HL
- Flooring ——— PR812: Dim-gray
- Car operating panel ——— CBV1-N730
- Handrail ——— YH-59S



Optional Ceiling Design **L210S**
Panel: SUS-HL
Others: Same as L210.

L310

Beautifully arched panel with shaded gradation



Car Design Example

- Ceiling (L310) ——— Panels: [Center] Metal-like resin panel
[Sides] Milky white resin panels
Lighting: Full lighting (LEDs)
- Walls ——— SUS-HL
- Transom panel ——— SUS-HL
- Doors ——— SUS-HL
- Front return panels ——— SUS-HL
- Kickplate ——— SUS-HL
- Flooring ——— PR803: Gray
- Car operating panel ——— CBV1-N730

Ceiling Design

Signal Fixtures

Interior

Hall Design

Observation Cars
(INTERVIEW ONLY)

Materials and Colors



N300 | Terraced design with illusion of increased ceiling height



Car Design Example

Ceiling (N300)	Panel: Painted steel sheet [Y033: White] Lighting: Central indirect lighting and downlights
Walls	Pattern-printed steel sheet [CP23: Minimal stripe]
Transom panel	SUS-HL
Doors	SUS-HL
Front return panels	SUS-HL
Kickplate	SUS-HL
Flooring	PR801: Cream beige
Car operating panel	CBV1-N710
Handrail	YH-59S



Optional Ceiling Design **N300S**

Panel: SUS-HL
Walls: SUS-HL
Others: Same as N300.

N120 | Gorgeous ceiling with lustrous translucent panels fused using refined geometric patterns



Car Design Example

Ceiling (N120)	Panels: [Center] Milky white resin panel [Sides] Resin panels with mirrored surface Lighting: Central lighting and downlights
Walls	SUS-HE (EPA-3)
Transom panel	SUS-HE (EPA-3)
Doors	SUS-HE (EPA-3)
Front return panels	SUS-M
Kickplate	SUS-HL
Flooring	PR801: Cream beige
Car operating panel	CBV5-N710
Handrail	YH-59M

Actual colors may differ slightly from those shown.
Please refer to page 14 for the meaning of SUS-HL, SUS-HE and SUS-M.

Ceiling Design

Signal Fixtures

Interior

Hall Design

Observation Case
(INTERVIEW ONLY)

Materials and Colors



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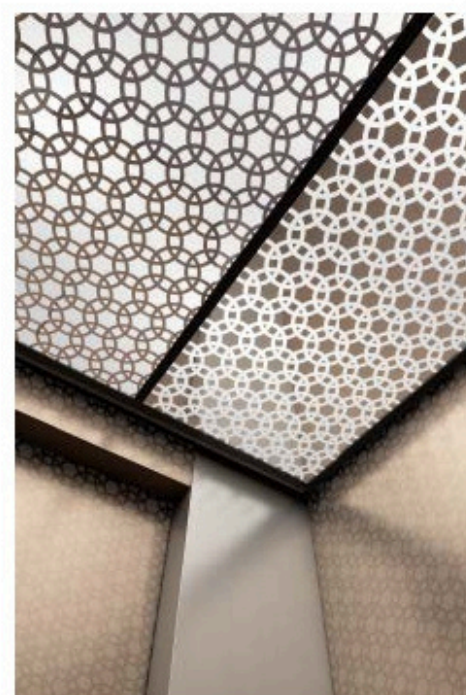
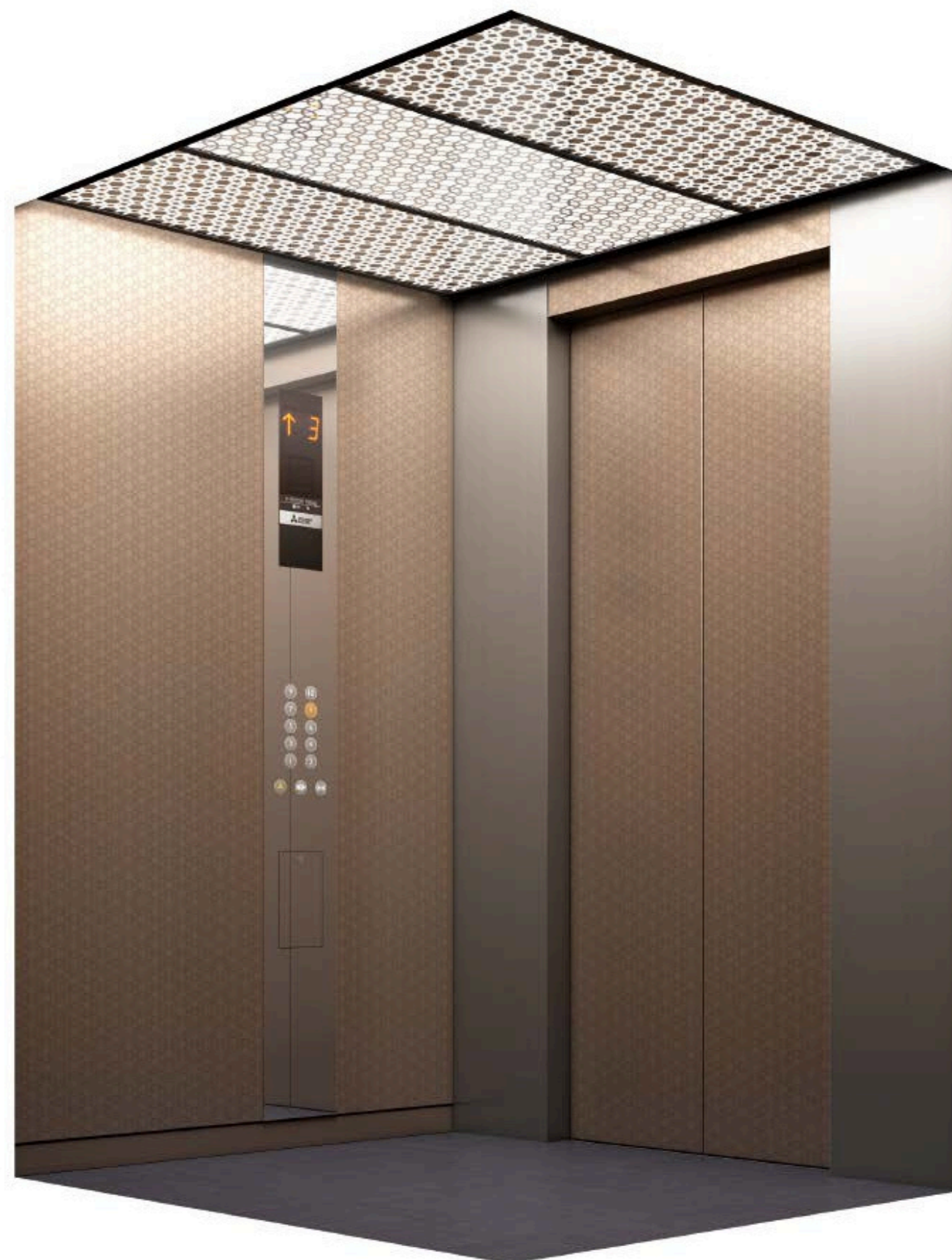


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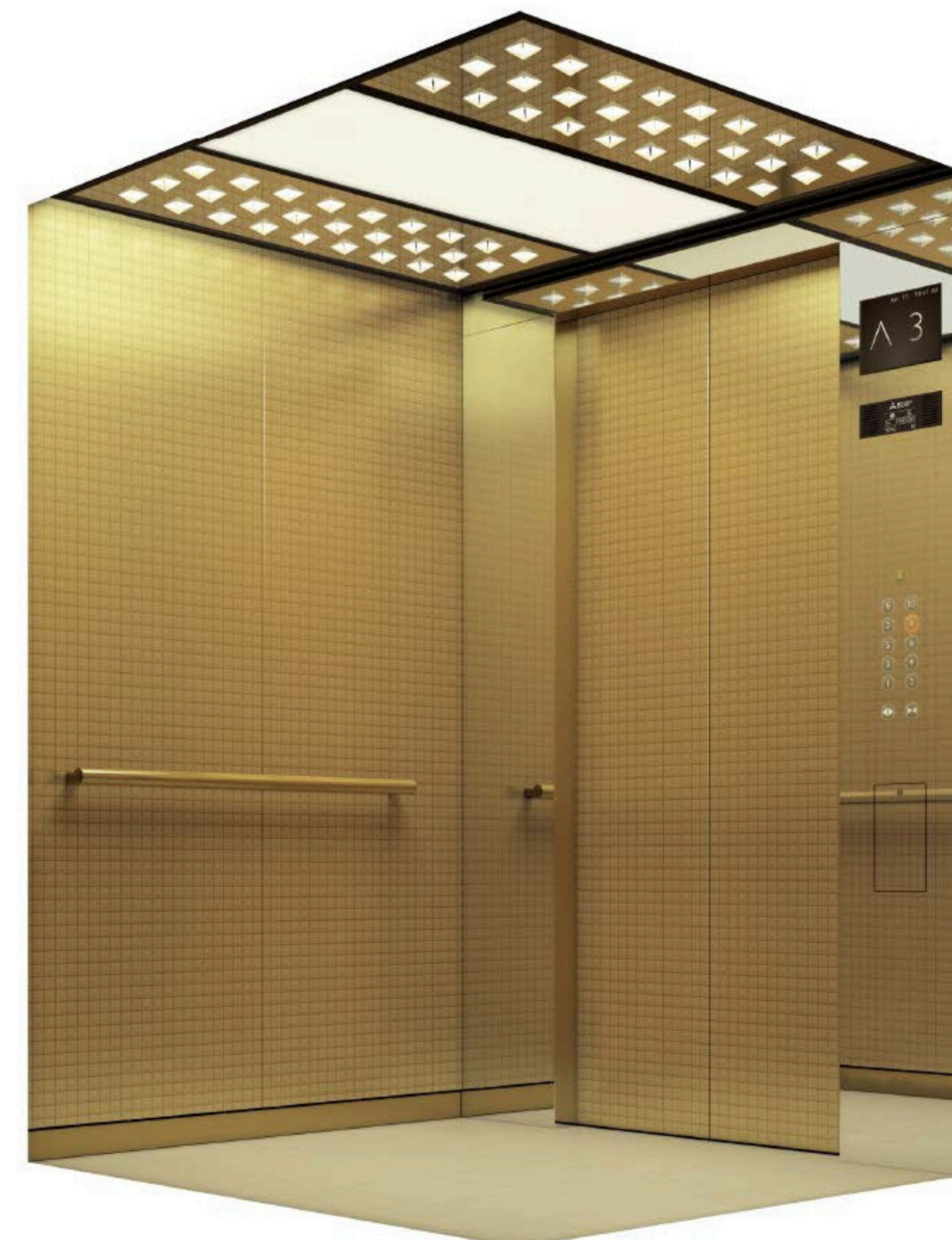
N130 | Light transmitted through exotic ceiling patterns



Car Design Example

Ceiling (N130)	Panel: Milky white resin panels Lighting: Full lighting
Walls	Colored (bronze) SUS-HE (EPA-2)
Transom panel	Colored (bronze) SUS-HE (EPA-2)
Doors	Colored (bronze) SUS-HE (EPA-2)
Front return panels	SUS-HL
Kickplate	Colored (bronze) SUS-HL
Flooring	PR812: Dim-gray
Car operating panel	CBV1-N710 (faceplate: SUS-M)

N140 | Stylish ceiling accented with crystal-like blocks



Car Design Example

Ceiling (N140)	Panels: [Center] Milky white resin panel [Sides] Resin panels with mirrored surface and acrylic blocks Lighting: Full lighting
Walls	Colored (gold) SUS-HE (EPA-1)
Transom panel	SUS-M
Doors	Colored (gold) SUS-HE (EPA-1)
Front return panels	SUS-M
Kickplate	Colored (gold) SUS-HL
Flooring	PR810: Ocher
Car operating panel	CBV1-D740 (faceplate: SUS-M)
Handrail	YH-59G

Actual colors may differ slightly from those shown.
Please refer to page 14 for the meaning of colored SUS-HL, colored SUS-HE and SUS-M.

Ceiling Design

Signal Features

Interior

Hall Design

Observation Cars
[RIBBON/RL/OW]

Materials and Colors



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S00

Standard

Simple and easy to coordinate with various car designs



Car Design Example-1

Ceiling (S00) ——— Panel: Painted steel sheet [Y033: White]
with a milky white resin lighting cover
Lighting: Central lighting

Walls ——— SUS-HL

Transom panel ——— SUS-HL

Doors ——— SUS-HL

Front return panels ——— SUS-HL

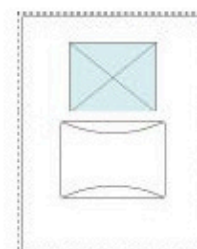
Kickplate ——— Aluminum

Flooring ——— PR803: Gray

Car operating panel ——— CBV1-C760

Handrail ——— YH-59S

Note: Position of central lighting differs from images shown above when an emergency exit (the area shown in blue) is required.



Car Design Example-2

Ceiling (S00) ——— Same as Car Design Example-1

Walls ——— Painted steel sheet [Y004: Beige]

Transom panel ——— Painted steel sheet [Y004: Beige]

Doors ——— Painted steel sheet [Y004: Beige]

Front return panels ——— SUS-HL

Kickplate ——— Aluminum

Flooring ——— PR803: Gray

Car operating panel ——— CBV1-C760

Handrail ——— YH-59S



Car Design Example-3

Ceiling (S00) ——— Same as Car Design Example-1

Walls ——— Painted steel sheet [Y117: Lime green]

Transom panel ——— Painted steel sheet [Y117: Lime green]

Doors ——— Painted steel sheet [Y117: Lime green]

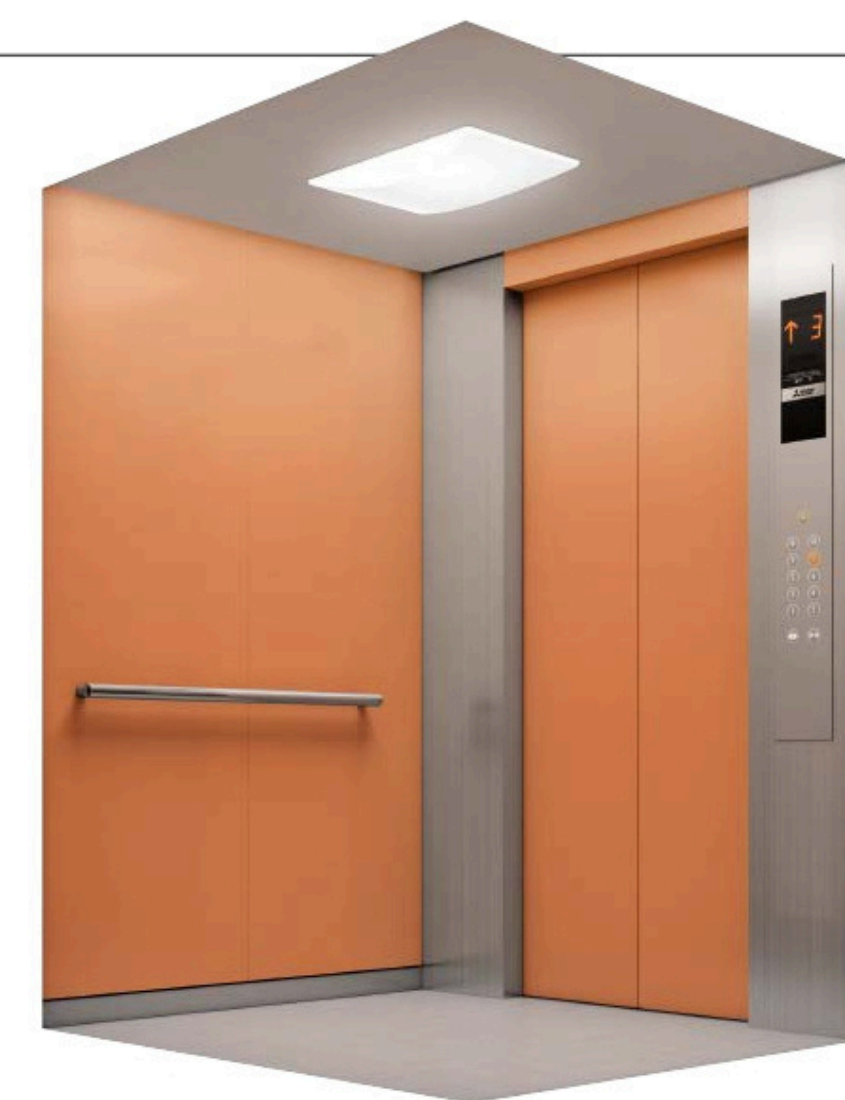
Front return panels ——— SUS-HL

Kickplate ——— Aluminum

Flooring ——— PR803: Gray

Car operating panel ——— CBV1-C760

Handrail ——— YH-59S



Car Design Example-4

Ceiling (S00) ——— Same as Car Design Example-1

Walls ——— Painted steel sheet [Y119: Carrot orange]

Transom panel ——— Painted steel sheet [Y119: Carrot orange]

Doors ——— Painted steel sheet [Y119: Carrot orange]

Front return panels ——— SUS-HL

Kickplate ——— Aluminum

Flooring ——— PR803: Gray

Car operating panel ——— CBV1-C760

Handrail ——— YH-59S

Car Finish Application Table

Please refer to pages 29 and 30 for materials and colors.

Materials/ Finishes	Walls	Transom panel	Doors	Front return panels	Kickplate	Flooring	Sill
Stainless-steel, hairline-finish (SUS-HL)	Standard	Standard	Standard	Standard	Optional		
Pattern-printed steel sheet	Optional	Optional	Optional				
Painted steel sheet	Optional	Optional	Optional	Optional ^{*3}	Optional ^{*4}		
Stainless-steel, hairline-finish with etched pattern ^{*1} (SUS-HE)	Optional	Optional	Optional				
Colored stainless-steel, hairline-finish (colored SUS-HL)	Optional	Optional	Optional		Optional		
Colored stainless-steel, hairline-finish with etched pattern ^{*2} (colored SUS-HE)	Optional	Optional	Optional				
Stainless-steel, mirror-finish (SUS-M)	Optional	Optional	Optional	Optional			
Aluminum					Standard		
Glass windows [1300(H)×200(W)/1300(H)×300(W)]			Optional				
See-through doors			Optional				
Durable vinyl tiles (2mm thick)						Standard	
Aluminum checkered plate (3t)						Optional	
Rubber tile/carpet/marble/granite (supplied by customer)						Optional	
Extruded hard aluminum							Standard
Stainless-steel							Optional

Note:

^{*1}: Etching pattern EPA-1~6 only.

^{*2}: Etching pattern EPA-1~3 only.

^{*3}: Painted steel sheet may not be available for front return panel depending on the manufacturing factory, please consult our local agents for details.

^{*4}: Only available in dark gray.

Actual colors may differ slightly from those shown.



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Ceiling Design

Signal Features

Interior

Hall Design

Observation Cars
Interior/Car Call

Materials and Colors



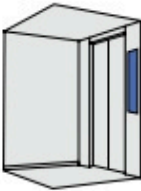
Signal Fixtures

Segment LED* Indicators

*Some letters of the alphabets are not available. Please consult our local agents for details.

Car operating panel*^{1,2}

For front return panel



Standard

CBV1-C760*³
(CBV1-C766)*^{3,4}

Tactile button with yellow-orange lighting

Hall position indicators and buttons*¹

With plastic case



Standard

PIV1-A1010N Boxless
PIV1-A1010B
Tactile button with
yellow-orange lighting



Standard

PIV1-A1020N Boxless
PIV1-A1020B
Tactile button with
yellow-orange lighting

Button line-up

Illumination colors	Yellow-orange	White	Blue
Tactile	CBV1/PIV1/HBV1 Standard	CBV3/PIV3/HBV3	CBV5/PIV5/HBV5
Flat			
	CBV2/PIV2/HBV2	CBV4/PIV4/HBV4	CBV6/PIV6/HBV6

Tactile or flat button (stainless-steel, non-directional hairline) is selectable from three types of illumination colors (yellow-orange, white or blue).

Notes:
*1: Dot LED indicators are also available (optional). Please consult our local agents for details.
*2: A faceplate with stainless-steel, mirror-finish is also available (optional). Please consult our local agents for details.
*3: Maximum number of floors: 22 floors.
*4: The type in parentheses () shows an auxiliary car operating panel (optional). The design is slightly different from the above image. Please consult our local agents for further information such as installation location.

Ceiling Design

Signal Fixtures

Interior

Hall Design

Observation Case
(Reference Only)

Materials and Colors



INSTAGRAM



FACEBOOK



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Segment LED* Indicators

*Some letters of the alphabets are not available. Please consult our local agents for details.

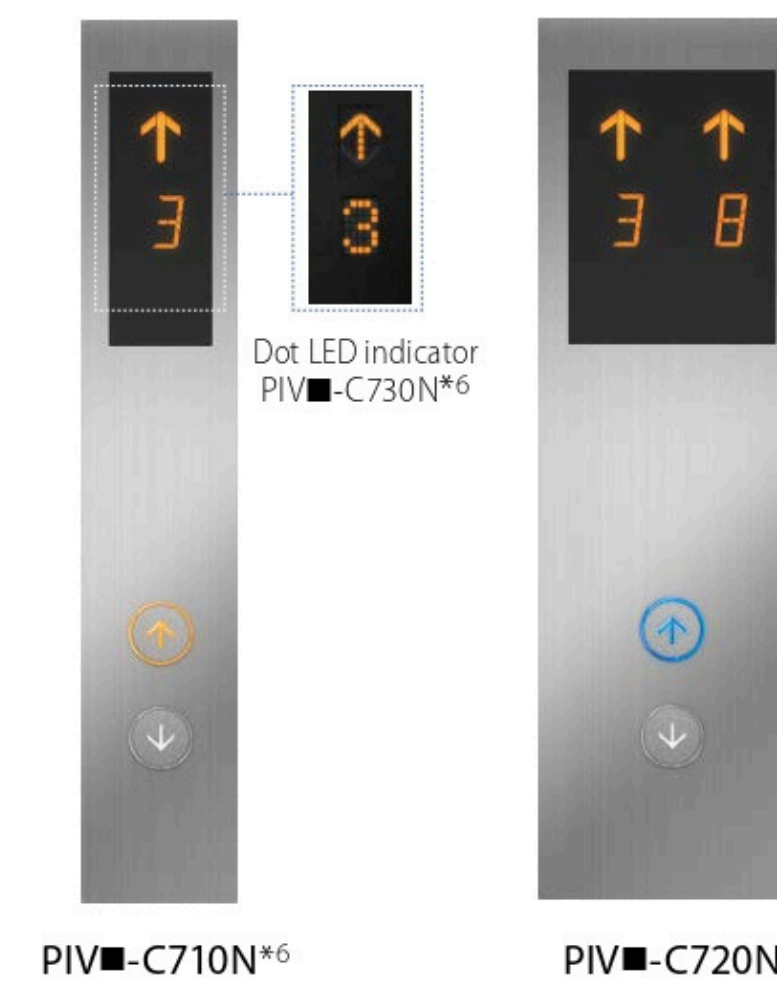
Car operating panels*1,2,3



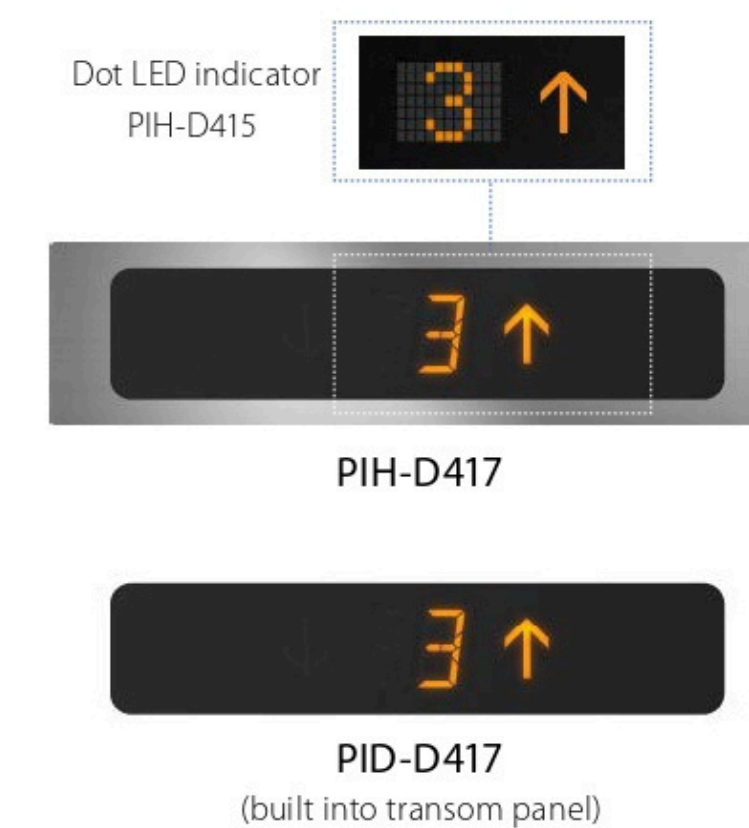
Notes:
 *1: The symbol ■ is replaced with a number representing the button type and illumination color. (e.g. CBV1, CBV2, etc). Please refer to page 16 for button line-up.
 *2: Dot LED indicators are also available (optional). Please consult our local agents for details.
 *3: Faceplates with stainless-steel, mirror-finish are also available (optional). Please consult our local agents for details.
 *4: The type in parentheses () shows an auxiliary car operating panel (optional). The design is slightly different from the above images. Please consult our local agents for further information such as installation location.
 *5: The applicable button type is tactile buttons only.
 *6: For single-car operation, these hall signal fixtures with tactile buttons conform to EN81-70.



Hall position indicators and buttons*1,2,3



Hall position indicators*2



Hall position indicator with lantern*2



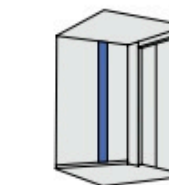
LCD Indicators

Car operating panels ^{*1,2}

For front return panel



Notes:
^{*1}: The symbol ■ is replaced with a number representing the button type and illumination color. (e.g. CBV1, CBV2, etc.)
^{*2}: Please refer to page 16 for button line-up.
^{*3}: Maximum number of floors: 22 floors.
^{*4}: The type in parentheses () shows an auxiliary car operating panel (optional). The design is slightly different from the above images.
^{*5}: Please consult our local agents for further information such as installation location.
^{*6}: The applicable button type is tactile buttons only.



For side wall



Actual colors may differ slightly from those shown.

LCD Indicators

Hall position indicators and buttons*1,2



PIV-C766N*3



PIV-C776N

LCD position indicator (for hall)

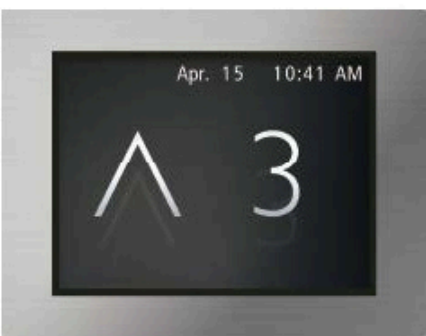


PIH-C117 (5.7-inch)

LCD information displays (for hall)



PIH-C216 (10.4-inch)



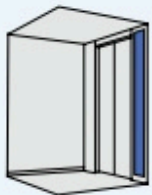
PIH-C226 (15-inch)

Notes:
*1: The symbol ■ is replaced with a number representing the button type and illumination color. (e.g. PIV1, PIV2, etc.) Please refer to page 16 for button line-up.
*2: Faceplates with stainless-steel, mirror-finish are also available (optional). Please consult our local agents for details.
*3: For single-car operation, this hall signal fixture with tactile buttons conform to EN81-70. The design is slightly different from the above images.
*4: The type in parentheses () shows auxiliary car operating panel (optional). Please consult our local agents for further information such as installation location.
*5: The symbol □ is replaced with an illumination color number as shown under the car operating panel images.

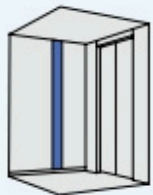


NEXIEZ-MR, NexWay-S Only

Car operating panels



For front return panel



For side wall



CBU-C710
(CBU-C716)*4



CBVF-C258
Keypad type



CBU-N710



CBVF-N228
Keypad type



CBVF-N229S
(with alarm indication
and buttons for EN81-70)
Keypad type



CBVF-N229L
(with alarm indication
and buttons for EN81-70)
Keypad type



Flat buttons
(Stainless-steel)



Number: Flat button
Star: Tactile button
(Stainless-steel matte)



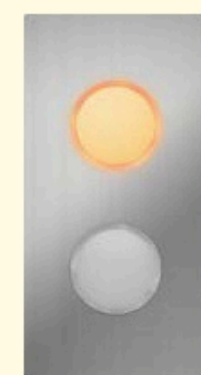
Flat buttons
(Stainless-steel)



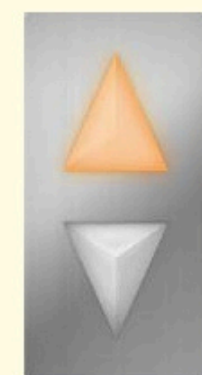
Number: Flat button
Star: Tactile button
(Stainless-steel matte)

Hall Signal Fixtures

Hall lanterns



HLV-A21S

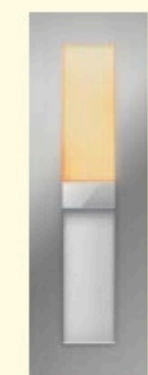


HLV-A31S



HLV-E65

Ornament: Gold



HLV-E66

Ornament: Silver



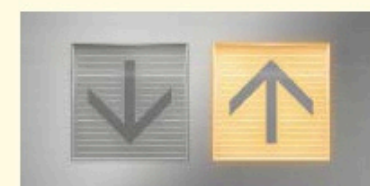
HLV-E71



HLH-A31S



HLV-A16S



HLH-A16S

Hall buttons^{*1}

With plastic case



HBV-A1010N^{Boxless}
HBV-A1010B



HBV-C710N^{*2,3}

No-entry indicators for EN81-73



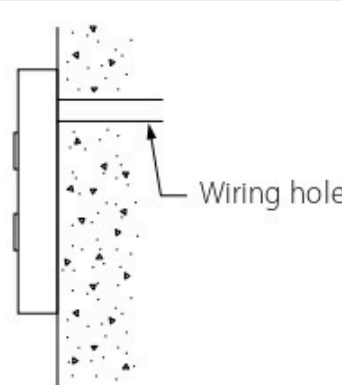
HBV-C711N^{*1,2,3}



SN-C10

Cross-section of boxless fixtures^{Boxless}

These hall signal fixtures can be easily mounted on the wall surface without having to cut into the wall to embed the back box.



Wiring hole

Notes:

^{*1}: The symbol ■ is replaced with a number representing the button type and illumination color. (e.g. HBV1, HBV2, etc.) Please refer to page 16 for button line-up.

^{*2}: A faceplate with stainless-steel, mirror finish is also available (optional). Please consult our local agents for details.

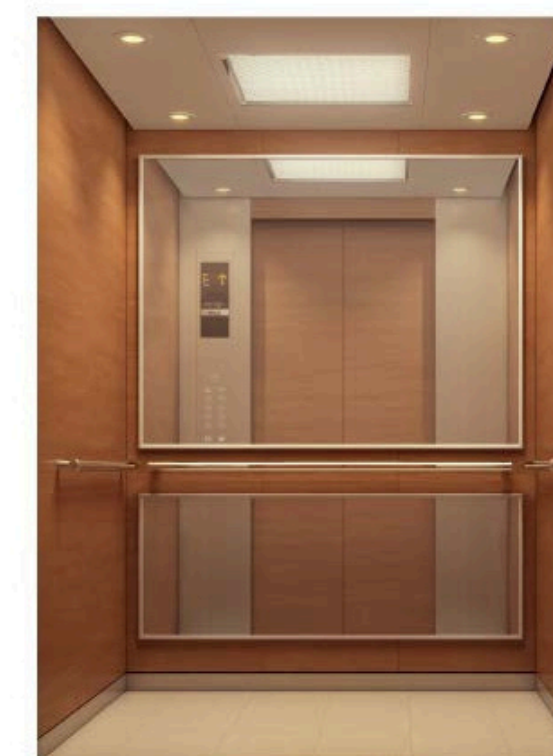
^{*3}: These hall signal fixtures with tactile buttons are applicable to EN81-70 compliant elevators.

Interior

Mirrors



YZ-52A
Half-size



YZ-53A
2-mirror set



YZ-55SN
Full height

Handrails



YH-59S (SUS-HL)



YH-59M (SUS-M)



YH-59G (SUS-M)

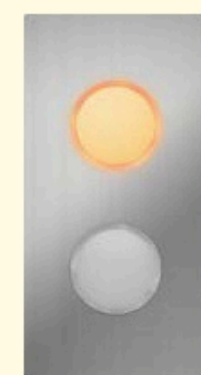


YH-57S (SUS-HL)

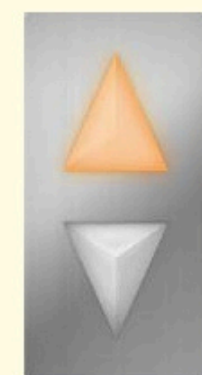
Actual colors may differ slightly from those shown.
Please refer to page 14 for the meaning of SUS-HL and SUS-M.

Hall Signal Fixtures

Hall lanterns



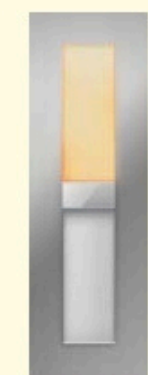
HLV-A21S



HLV-A31S



HLV-E65
Ornament: Gold



HLV-E66
Ornament: Silver



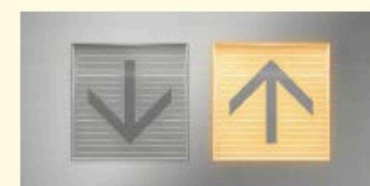
HLV-E71



HLH-A31S



HLV-A16S



HLH-A16S

Hall buttons^{*1}

With plastic case



HBV-A1010N^{Boxless}
HBV-A1010B

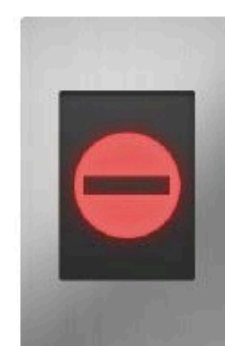


HBV-C710N^{*2,3}

No-entry indicators for EN81-73



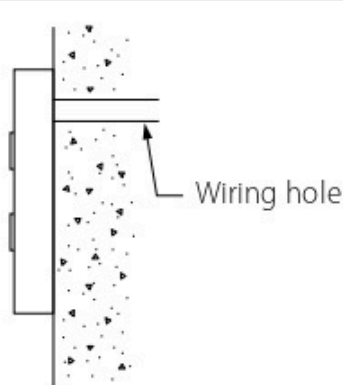
HBV-C711N^{*1,2,3}



SN-C10

Cross-section of boxless fixtures^{Boxless}

These hall signal fixtures can be easily mounted on the wall surface without having to cut into the wall to embed the back box.



Notes:

^{*1}: The symbol ■ is replaced with a number representing the button type and illumination color. (e.g. HBV1, HBV2, etc.) Please refer to page 16 for button line-up.

^{*2}: A faceplate with stainless-steel, mirror finish is also available (optional). Please consult our local agents for details.

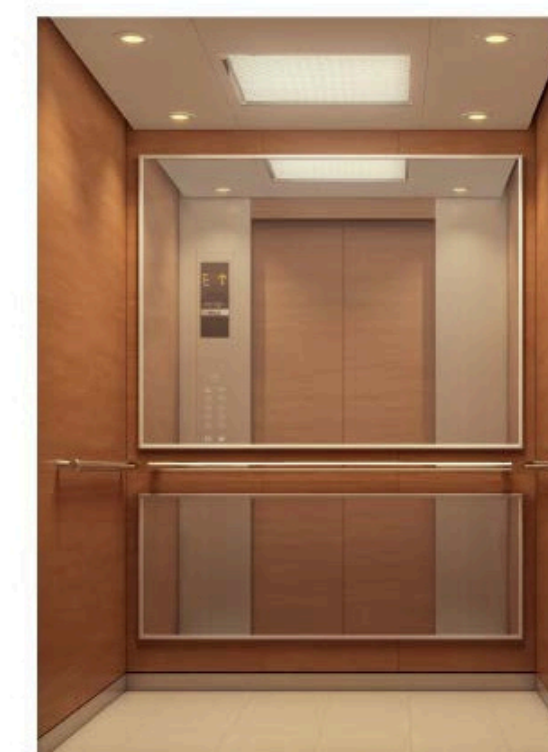
^{*3}: These hall signal fixtures with tactile buttons are applicable to EN81-70 compliant elevators.

Interior

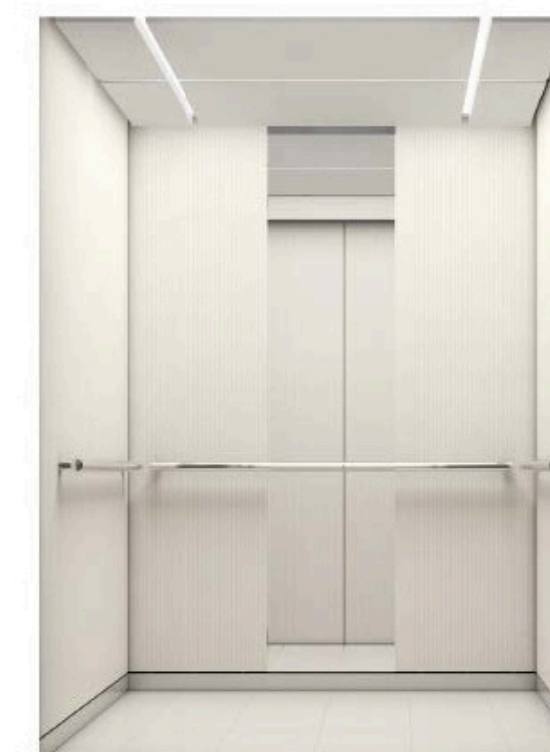
Mirrors



YZ-52A
Half-size



YZ-53A
2-mirror set



YZ-55SN
Full height

Handrails



YH-59S (SUS-HL)



YH-59M (SUS-M)

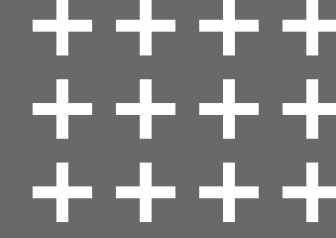


YH-59G (SUS-M)



YH-57S (SUS-HL)

Actual colors may differ slightly from those shown.
Please refer to page 14 for the meaning of SUS-HL and SUS-M.



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