FUJITEC

REXIA

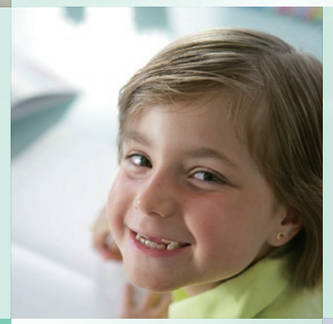
Machine-Room-Less Elevator

In Compliance With the Standards of EN81-20 and EN81-50

REXIA

“Made in Fujitec”

By providing people with the safe and reliable elevators that Fujitec manufactures in-house, Fujitec is building trust with people around in the world.



By manufacturing safe and reliable elevators, we are building trust with people around the world.

Fujitec’s “Global Common Components” are used in the REXIA brand. The quality of components, such as traction machines, elevator controllers, and operating fixtures, is controlled through Fujitec’s integrated system of global quality management. Elevators with the same high quality will be provided by Fujitec’s global production base under the concept of “Made in Fujitec”.

70th

70-Year History in the Business of Elevator, Escalator and Moving Walks

Since the foundation of Fujitec in 1948, seeing the market from a global perspective and having the spirit of being a top global company, Fujitec has been a global leading manufacturer of elevators, escalators, and moving walks. Fujitec has been providing the people with leading-edge technologies and global standards of product.

Safety & Reliability

All control-related components ranging from control circuits to inverters are independently developed by Fujitec, so that highly reliable elevator operation is established. When the elevator control system assembled with Fujitec's reliable component parts detects the possibility of the occurrence of elevator malfunction, it operates in order to maintain the elevator operation stable and efficient.

Ecology

In REXIA elevators, the gearless traction machines with a permanent magnetic synchronous motor assure low power consumption. Also, the electric power regenerative unit equipped between the elevator controller and the power supply saves the electrical energy consumption in the building.
Fujitec contributes to global society by providing for ecology-conscious products, reflecting on them 70 years of knowledge and technologies accumulated through the manufacturing of elevators.

Comfort Design

Under Fujitec's universal designs, newly adopted buttons for elevator operating fixtures are highly visible and tactually recognizable, and the numbers and letters shown on aesthetically refined displays can be easily seen and read.
Also, various styles for the decoration of elevator interior and landing floors provide the passengers with a superb and comfortable riding experience.

Capacity (kg)	SPEED (m/s)				
	1.0	1.5	1.75	2.0	2.5
450					
630					
800					
1000					
1200					
1275					
1350					
1600					
1800					
2000					

Note: Application of capacity and speed may differ due to specification.

REXIA

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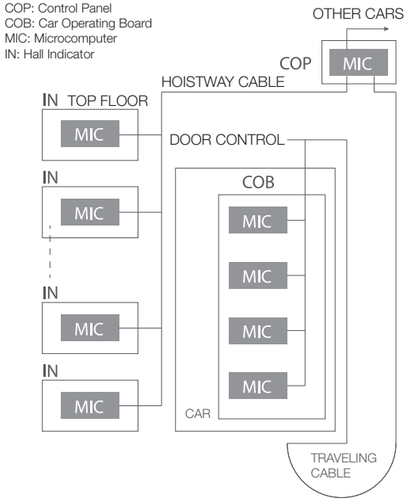
Distributed Control System

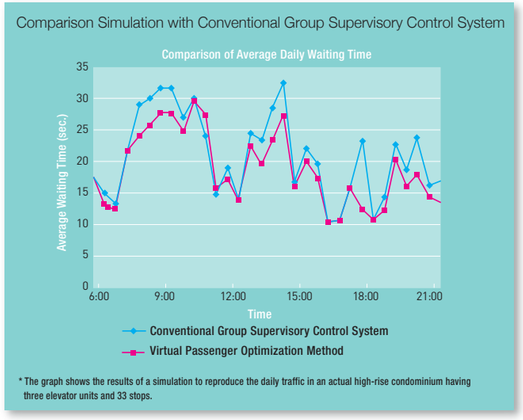


- A 32-bit data bus provides high-speed and high-precision data transmission of input-output command signals between each microprocessor located in control panels, hall-call / car-call buttons, hall indicators and hall lanterns
- High-speed data transfer with multiple protocols enables large-scale data processing at ten times the normal speed. This also improves the ability to monitor elevator running speed, landing precision and operating reliability as well as input-output command signals of car operating fixtures and operation indicators.
- The bus system is employed for data transmission between microcomputers located in every hall-call fixture, car operating board, and control panel. This bus system has strong protection against signal interference and has system-extending capability.

An elevator operation system with multiple microcomputers makes maximum use of a “Distributed Control System.” Hall indicators, car operating boards, and control panels incorporate high-performance microcomputers. These independent microcomputers analyze elevator operating conditions utilizing self-diagnostic functions and implement immediate control of elevator operations. Also, data transmission buses between microcomputers increase data processing capability.

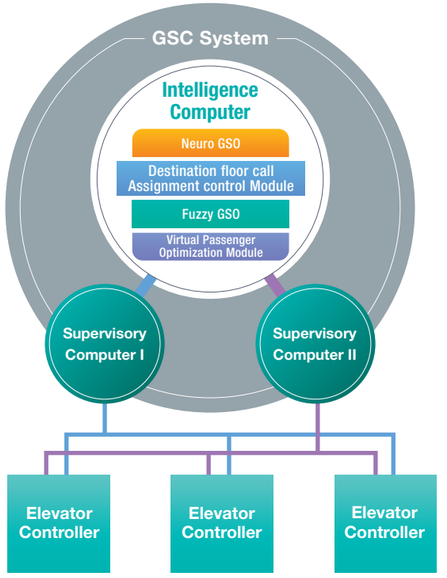
FLEX-NX series -Elevator Group Supervisory Control System- (GSC)

Fujitec has adopted the “Virtual Passenger Optimization Method” as a new elevator group control system.
This system controls elevator group operation by virtually calculating passenger waiting time in advance based on past accumulated data, such as passenger travel patterns and passenger volume at each floor. Also, this method comprehensively calculates passenger waiting time based on extrapolated data of probable future passengers, how many passengers will come to a certain floor when a hall call is registered and/or how many passengers will come to a certain floor when no hall call is registered.
This comprehensive analysis reflects whole building traffic conditions for efficient elevator operation control as well as reducing daily passenger waiting time by up to 10 %.

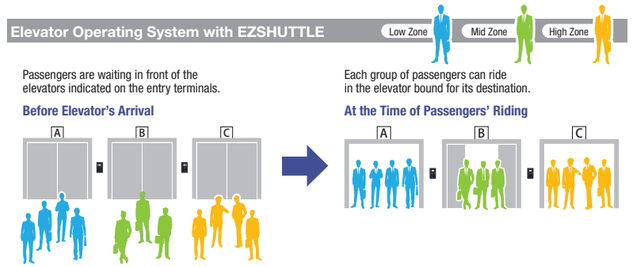


* The graph shows the results of a simulation to reproduce the daily traffic in an actual high-rise condominium having three elevator units and 33 stops.

EZSHUTTLE - Destination Floor Guidance System -



* Based on comparisons of passenger riding time obtained under a conventional elevator operating system and that under a simulated EZSHUTTLE-equipped elevator operating system.



In an elevator operating system with EZSHUTTLE, passengers are required to register their destinations at the elevator floors rather than conventionally registering them inside the elevator. The EZSHUTTLE system then guides passengers to their assigned elevators, which will have been selected to minimize the number of destination stops based on the registered destinations.
This passenger guidance and elevator assignment provides passengers with uncongested elevator service and a reduction in passenger riding time by 50%* at peak travel periods.

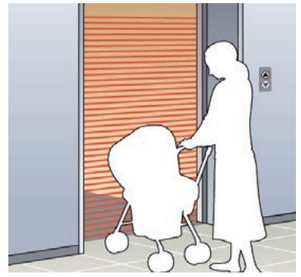
Night-Time Self-Checking Operation

- A safety enhancement for increased reliability -

Mechanical brake conditions are automatically checked by moving the elevator during the night time while not receiving any car and hall calls. This night-time self-checking operation increases passenger safety and contributes to a high after-sales product quality.

Multi-Beam Sensor

Multi-beam Sensor emits multiple infrared beams, creating an invisible curtain covering the entire doorway. If any of the beams is interrupted, the closing doors will stop and reopen.
This function results in a significantly higher detection rate of a passenger and/or an object in the doorway.



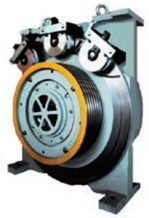
Gearless Traction Machine with Permanent Magnetic Synchronous Motor

The gearless traction machines with a permanent magnetic synchronous motor assure high riding comfort quality and low power consumption.
This newly adopted technology reduces the weight and size of a traction machine, because gears are no longer required for elevator speed control.

In addition, REXIA's small machines require less motor capacity and power consumption compared to conventional elevators. The differences are shown below.

Given elevator operating conditions:

1) The maximum number of elevator operations per day: 600 times
2) The travel distance in a single operation: 30 meters
3) The rated speed: 1.0 meter per second
4) The rated load: 1200 kgs.



Required Motor Capacity

REXIA Elevator (PMGL)	8 kW
Conventional Elevator (ACGD)	11 kW

Energy-efficient Traction Machines reduce power consumption and CO_2 emission.

LED Lights on Car Ceiling

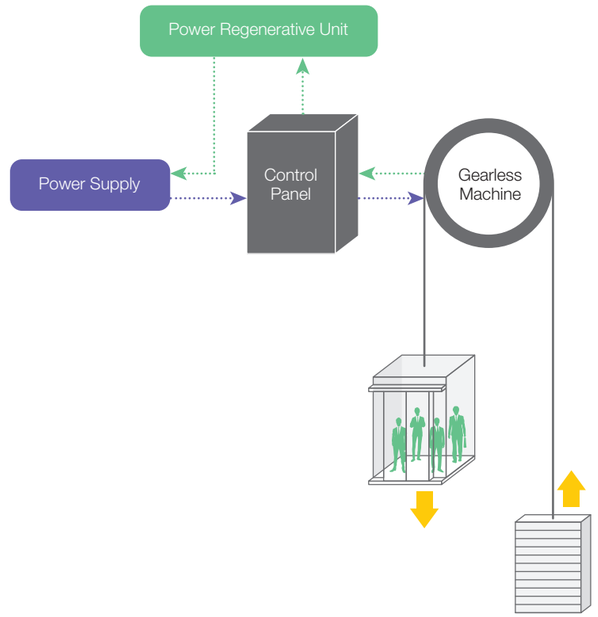
Fujitec's adoption of energy-efficient, long-lasting LED downlights for car ceiling light saves energy, and leads to the preservation of environment.

	Filament Light Bulb	LED Light Bulb	Improvement Results
Lifetime	**approx. 1,500 hours**	**approx. 20,000 hours**	**approx. 13 times**
Wattage	**90 W**	**9 W**	**1/10 (one-tenth)**

Electric Power Regenerative Unit

The adoption of electric power regenerative unit instead of conventional heat dissipation resistor allows the traction-machine-produced electricity to be fed back to the building's electrical facilities. The amount of electricity fed back to the facilities is equivalent to nearly 35 % * of the whole amount of electricity consumed by the corresponding type of elevator with heat dissipation resistor.

*: The value of this percentage differs based on the specifications of the elevator and its usage.



The latest human engineering technologies are reflected on the REXIA elevators. As the function of man-machine interface, tactile characters and letters are adopted for the buttons on the elevator operating boards and the elevator call buttons in the hall fixtures. Also, the devices and functional systems for the creation of comfort for the elevator passengers are equipped in the elevator.

Tactile Letters and Characters for Operating Buttons

Standard

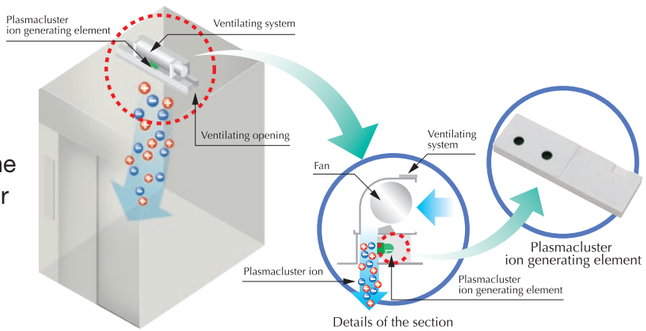
Tactile letters and characters are adopted for the elevator operating buttons. They are raised from the surface of the buttons in order for a passenger to recognize the assigned function for each button. Their unique design functions as a friendly interface between the passengers and the elevators.

IONFUL

(Plasmacluster™* ION Generating Device)

Optional

The first elevator company that installed a Plasmacluster Ion generating device in an elevator is Fujitec. The device built in an elevator's ventilation unit disinfects airborne mold, bacteria, viruses, allergens, and odor molecules as well as creating clean air in the elevator. This increases the comfort of passengers.



※Plasmacluster is a trademark of Sharp Corporation.

VONIC

(Automatic Voice Announcement System)

Optional

A computerized voice system provides passengers with timely information about car directions, car arrivals, door opening and closing, and emergencies, etc.
(Voice announcement is made in English. At the customer's request, it may be made in another language.)

Standard Car Design

Car Ceiling: CT-GS01: (Ceiling with LED Downlights)	Panel: Steel Sheet with Paint Finish Color in the image: white (5AABJ001) The other two standard colors are available.
Car Panel, Car Transom, Return Panel, Car Door	Steel Sheet with Paint Finish Color in the image: light green (5AABJ008) The other seven standard colors are available.
Car Floor: PVC Tiles with 2-mm Thickness	PVC Tiles Color in the image: white (L51) The other five standard PVC tiles are available.
Car Sill	Extruded Aluminum
Car Operating Board	Type: COB-GS01 Stainless Steel with Hairline Finish

Color Variation

For Car Ceiling

5AABJ001	5AABJ002	5AABJ003
White	Ivory	Light Gray

For Car Panel

(Light Green: 5AABJ008)

(Ivory: 5AABJ004)

(Ocean Blue: 5AABJ009)

(Light Gray: 5AABJ005)

(Silver: 5AABJ010)

(Beige: 5AABJ006)

(Gold: 5AABJ011)

(Sakura: 5AABJ007)

For Car Floor

L51	L52	L53	L54	L55	L56
White	Light Gray	Medium Gray	Black	Light Brown	Brown

* Actual colors may differ from the image.

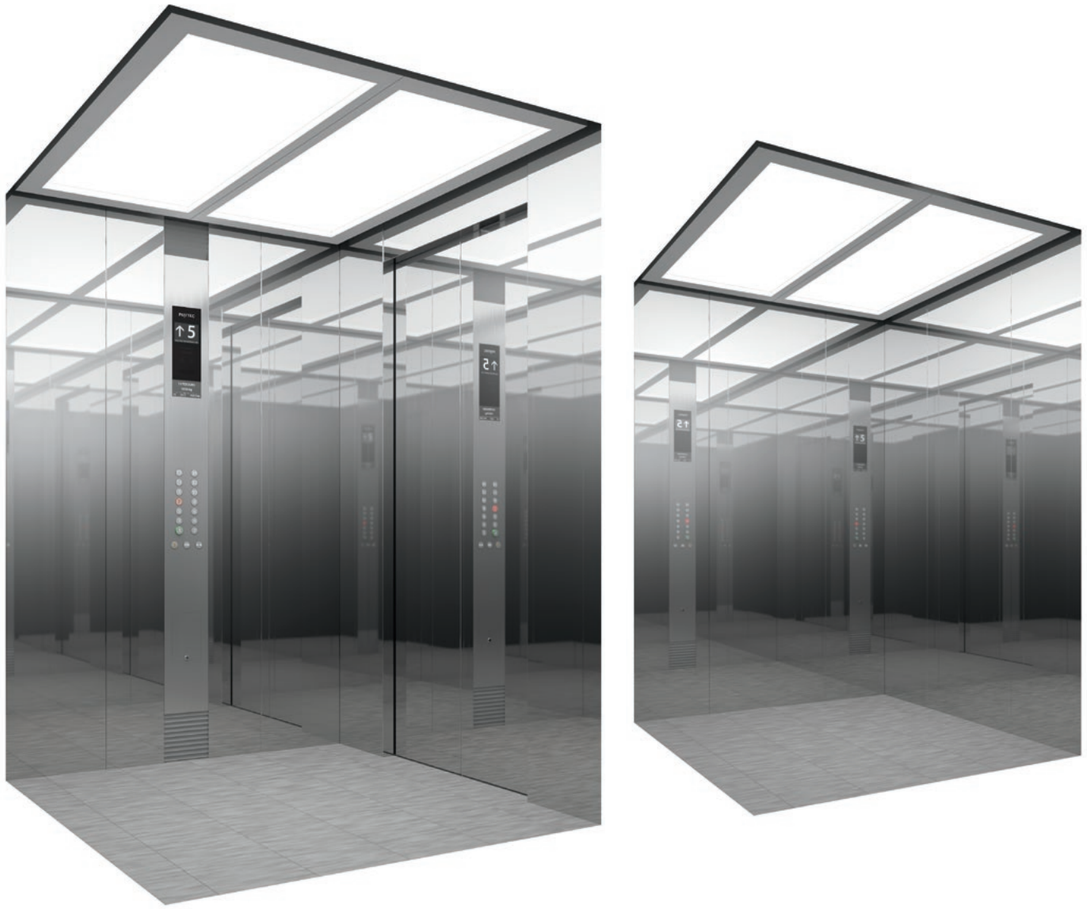
Design 1

Car Ceiling	CT-GS01 Ceiling with LED downlights
	Steel Sheet with Paint Finish Color: Light Gray (5AABJ003)
Car Panel	Stainless Steel with Hairline Finish
Return Panel	Stainless Steel with Hairline Finish
Car Transom	Stainless Steel with Hairline Finish
Car Door	Stainless Steel with Hairline Finish
Car Floor	PVC Tiles with 2-mm Thickness Color in the image: Light Gray (L52)
Car Sill	Extruded Aluminum
Car Operating Board	COB-GS02 Stainless Steel with Hairline Finish
Ventilation Fan	With Two Air vents

Design 2

Car Ceiling	CT-GC03 Ceiling with indirect lighting LED downlights
	Steel Sheet with Paint Finish Color: Ivory (5AABJ002)
Car Panel	Steel Sheet with Paint Finish Color: Gold (5AABJ011) Stainless Steel with Hairline Finish
Return Panel	Stainless Steel with Hairline Finish
Car Transom	Stainless Steel with Hairline Finish
Car Door	Steel Sheet with Paint Finish Color: Gold (5AABJ011)
Car Floor	PVC Tiles with 2-mm Thickness Color: Brown (L56)
Car Sill	Extruded Aluminum
Car Operating Board	COB-GS01 Stainless Steel with Hairline Finish
Handrail	Side: Stainless Steel with Hairline Titanium-Gold-Finished (CPH-GC04) Rear: Stainless Steel with Hairline Finish (CPH-GC01)

Design 3



Car Ceiling	CT-GC02 Ceiling with indirect lighting LED tubes
	Steel Sheet with Paint Finish Color: Light Gray (5AABJ003)
Car Panel	Stainless Steel with Mirror Finish
Return Panel	Stainless Steel with Mirror Finish
Car Transom	Stainless Steel with Mirror Finish
Car Door	Stainless Steel with Mirror Finish
Car Floor	PVC Tiles with 2-mm Thickness Color: Light Gray (L52)
Car Sill	Extruded Aluminum
Car Operating Board	COB-GC01 Stainless Steel with Hairline Finish

Design 4

Car Ceiling	CT-GC02 Ceiling with indirect lighting LED tubes
	Steel Sheet with Paint Finish Color: White (5AABJ001)
Car Panel	Stainless Steel with Etching Finish Pattern: PH-103C
Return Panel	Stainless Steel with Hairline Finish
Car Transom	Stainless Steel with Hairline Finish
Car Door	Stainless Steel with Etching Finish Pattern: PH-103C
Car Floor	PVC Tiles with 2-mm Thickness Color: Medium Gray (L53)
Car Sill	Extruded Aluminum
Car Operating Board	COB-GC02 Stainless Steel with Hairline Finish
Mirror	Upper-side Full-width Mirror

Design 5

Car Ceiling	CT-GC01 Ceiling with indirect lighting LED lamps
	Steel Sheet with Paint Finish Color: Ivory (5AABJ002)
Car Panel	Steel Sheet with Paint Finish Color: Ivory (5AABJ004) & Ocean Blue (5AABJ009)
Return Panel	Steel Sheet with Paint Finish Color: Ivory (5AABJ004)
Car Transom	Steel Sheet with Paint Finish Ocean Blue (5AABJ009)
Car Door	Steel Sheet with Paint Finish Ocean Blue (5AABJ009)
Car Floor	PVC Tiles with 2-mm Thickness Color: Black (L54)
Car Sill	Extruded Aluminum
Car Operating Board	COB-GC01 Stainless Steel with Hairline Finish

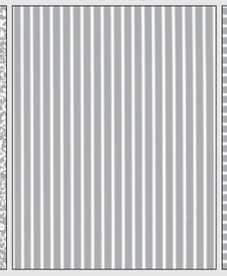
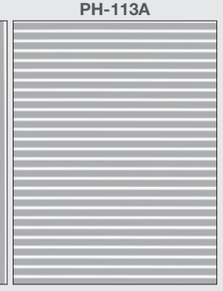
Design 6

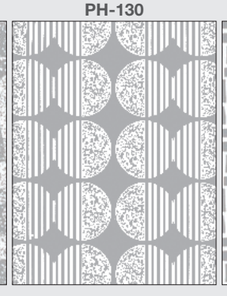
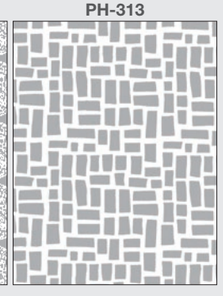
Car Ceiling	CT-GC01 with ventilation fans, Ceiling with indirect lighting LED lamps	
	Steel Sheet with Paint Finish, Color: White (5AABJ001)	
Car Panel	Side Panels:	Stainless Steel with Etching Finish Pattern: PH-313
	Rear Panels:	at the Center: Full-Height Mirrored Stainless Steel
		at the Sides: Stainless Steel with Etching Finish Pattern: PH-313
Return Panel	Stainless Steel with Hairline Finish	
Car Transom	Stainless Steel with Hairline Finish	
Car Door	Stainless Steel with Etching Finish, Pattern: PH-313	
Car Floor	PVC Tiles with 2-mm Thickness, Color: Light Brown (L55)	
Car Sill	Extruded Aluminum	
Car Operating Board	COB-GC02, Stainless Steel with Hairline Finish	
Handrail	Stainless Steel Plate with Hairline Finish (CPH-GC02)	
Mirror	Full-Height Mirror Panel flush with Car Panel	

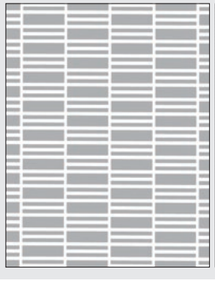
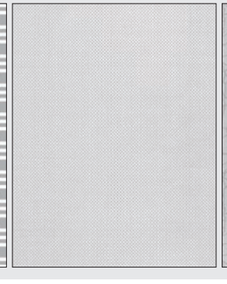
For Car Ceiling;
Paint Finish (Flat finish)

5AABJ001	5AABJ002	5AABJ003
White	Ivory	Light Gray

For Car Panel, car Door, Landing Door and Landing Transom;
Etching Patterns

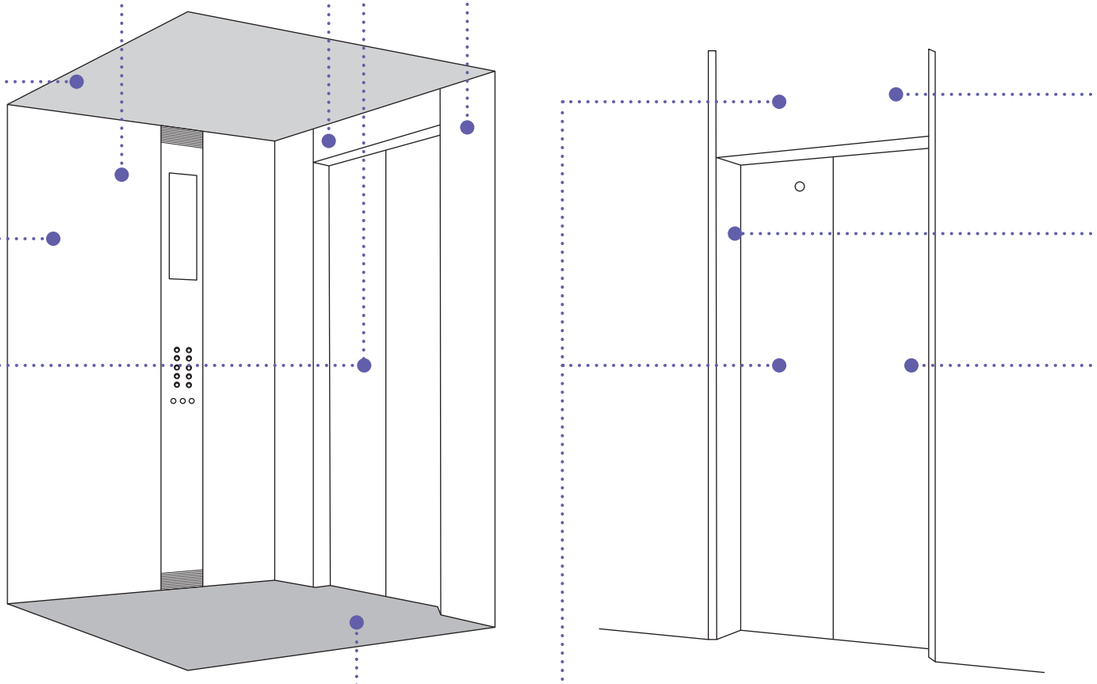
PH-103C	PH-112B	PH-113A
		

PH-206	PH-130	PH-313
		

PH-649	PH-703	PH-801
		

For Car Panel, Return Panel, Car Door, Car Transom, Jamb, Landing Door and Landing Transom;
Paint Finish (Semi-gloss finish)

5AABJ004	5AABJ005	5AABJ006	5AABJ007	5AABJ008	5AABJ009	5AABJ010	5AABJ011
Ivory	Light Gray	Beige	Sakura	Light Green	Ocean Blue	Silver	Gold



For Car Floor;
PVC Tiles (2-mm Thickness)

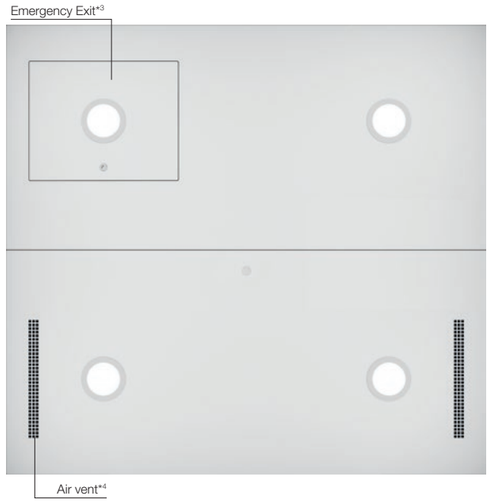
L51	L52	L53	L54	L55	L56
White	Light Gray	Medium Gray	Black	Light Brown	Brown

Note:
(1) Actual colors may differ from the image. (2) The dimensions of an actual pattern differ from the image. (3) The scale of an actual design differs from the image.

Standard | Optional

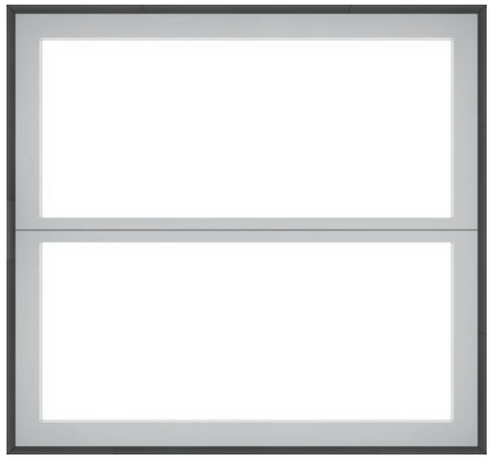
CT-GS01 *1

Lighting:	LED Downlights
Panel:	Paint Finish



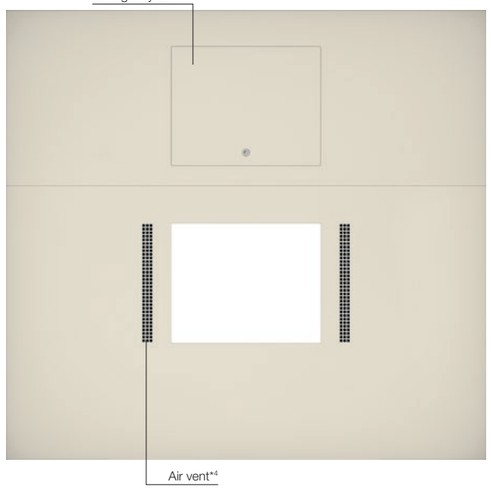
CT-GC02 *2, *5

Lighting:	Indirect Lighting LED tubes
Panel:	Paint Finish



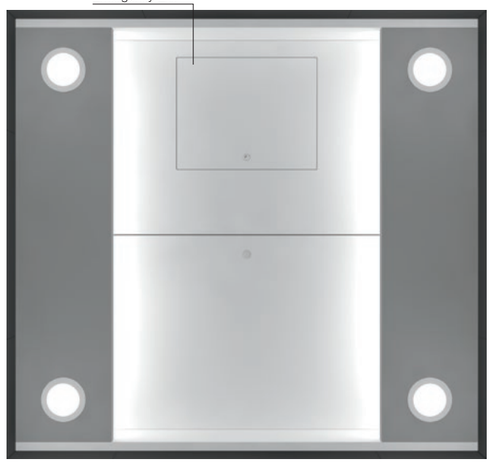
CT-GC01 *1

Lighting:	Indirect Lighting LED Lamps
Panel:	Paint Finish



CT-GC03 *2

Lighting:	Indirect Lighting LED Downlights
Panel:	Paint Finish



Note:
*1. Clear Ceiling Height: 2350mm, Top Ceiling Height: 2350mm
*2. Clear Ceiling Height: 2250mm, Top Ceiling Height: 2400mm
*3. Emergency exit (Required). Applicable for the above ceiling designs.
*4. Two Air vents added when Car Ventilation Fan is applied (Optional Specification)
*5. When the car interior width is greater than 1650mm, the acrylic ceiling will be divided into four sheets instead of two.

REXIA

Handrail

Stainless Steel with Hairline Finish

CPH-GS01

Pipe Handrail with curved ends

CPH-GC01

Pipe Handrail with straight ends

CPH-GC02

Flat-plate Handrail with curved ends

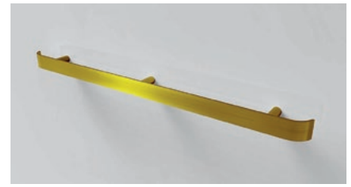
CPH-GC03

Titanium-Gold-Finished Pipe Handrail with curved ends

CPH-GC04

Titanium-Gold-Finished Pipe Handrail with straight ends

CPH-GC05



Titanium-Gold-Finished Flat-plate Handrail with curved ends

Mirror

Standard Wall-Mounted Mirror

Upper-side Full-width Mirror

Full-height Mirror Panel flush with Car Panel

Note: Material for mirror panel is required to be confirmed.

Entrance Design

Standard

Entrance with Narrow Jambs

Landing Door	Steel Sheet with Paint Finish Color: Sakura (5AABJ007)	
Jamb	Steel Sheet with Paint Finish Color: Sakura (5AABJ007)	
Sill	Extruded Aluminum	
Hall Indicator with Hall Buttons (IN-GS01)	Vertical Indicator	Orange Dot-Matrix LEDs
	Faceplate	Stainless Steel with Hairline Finish
Emergency Operation Panel (EOP)	Installed at Top floor	
	Faceplate	Stainless Steel with Hairline Finish

Optional

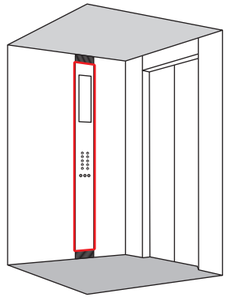
Entrance with Wide Jambs

Landing Door	Stainless Steel with Hairline Finish	
Jamb	Stainless Steel with Hairline Finish	
Sill	Extruded Aluminum	
Hall Lantern (HLL-GS01)	Round Jewel Mounted Hairline-Surface Stainless Steel with Inclined Rims at its Bottom	
Hall Buttons (HB-GS01)	Tactile Button Incorporated Hairline-Surface Stainless Steel with Inclined Rims at its Top	
Emergency Operation Panel (EOP)	Installed at Top floor	
	Faceplate	Stainless Steel with Hairline Finish

Optional

Entrance with Wide Jambs and Transom

Landing Door	Stainless Steel with Etching Finish Pattern: PH-112B	
Jamb	Stainless Steel with Hairline Finish	
Sill	Extruded Aluminum	
Hall Indicator (IN-GS01)	Horizontal Indicator	Orange Dot-Matrix LEDs
Hall Buttons (HB-GS01)	Tactile Button Incorporated Hairline-Surface Stainless Steel with Inclined Rims at its Top	
Emergency Operation Panel (EOP)	Installed at Top floor	
	Faceplate	Stainless Steel with Hairline Finish



Faceplate:	Stainless Steel with Hairline Finish
Indicator:	Orange Dot-Matrix LED or LCD

Standard Optional

Standard Types

COB-GS01

With standard car call buttons

COB-GS02

With ten-key car call buttons

Optional Types

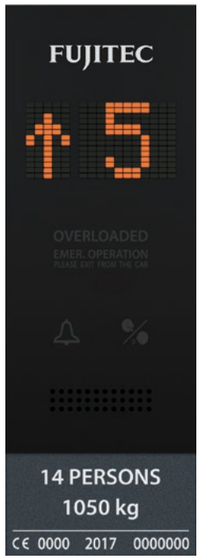
COB-GC01

With standard car call buttons

COB-GC02

With ten-key car call buttons

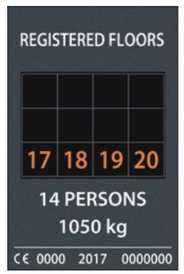
Car Position Indicator



Indication by LEDs

Indication on LCD

Destination Floor Indicator



Button

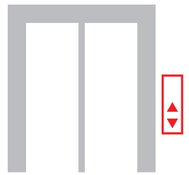
Tactile

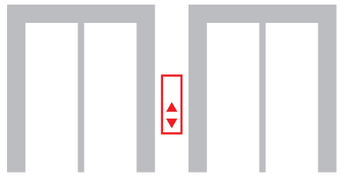
Button Head: Stainless Steel with Bead Blast Finish

Color of Illumination: Amber

Note:
1. Car Operating Boards satisfy the requirements of EN81-70.
2. Some floor names and alphabet letters are not applicable for the indication of a destination floor.
3. The incorporation of key switch on the Car Operating board (COB) is Optional.
4. For Center-opening doors; when entering the car; Car Operating Board on the right hand side
5. For Side-opening doors; Car Operating Board on the closing jamb side.

Standard | Optional





Hall Indicator with Hall Buttons

Faceplate	Stainless Steel with Hairline Finish
Indicator	Orange Dot-Matrix LEDs
Button	Tactile Type

Standard Hall Indicator with Hall Buttons

IN-GS01 *2,*3,*4,*5

Elevator Operation	Simplex Operation
Faceplate Design	With Inclined Rim at Top End

IN-GS02 *2,*3,*4,*5

Elevator Operation	Duplex Operation
Faceplate Design	With Inclined Rim at Top End

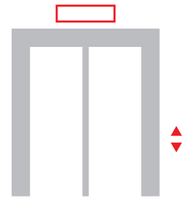
Optional Hall Indicator with Hall Buttons

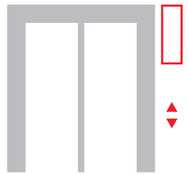
IN-GC01 *2,*3,*4

Elevator Operation	Simplex Operation
Faceplate Design	Without Inclined Rim

IN-GC02 *2,*3,*4

Elevator Operation	Duplex Operation
Faceplate Design	Without Inclined Rim





Hall indicator

Faceplate	Stainless Steel with Hairline Finish

HIN-GS01 *1,*3

Elevator Operation	Simplex Operation, Duplex Operation, and Group Operation
Faceplate Design	With Inclined Rim at Side Ends

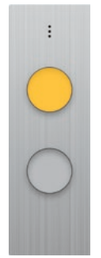
HIN-GC01 *1,*3

Elevator Operation	Simplex Operation, Duplex Operation, and Group Operation
Faceplate Design	Without Inclined Rim

Hall Lantern

HLL-GS01

Elevator Operation	Simplex Operation, Duplex Operation, and Group Operation
Faceplate Design	With Inclined Rim at Bottom End



HLL-GC01

Elevator Operation	Simplex Operation, Duplex Operation, and Group Operation
Faceplate Design	Without Inclined Rim

Hall Button Unit

Faceplate	Stainless Steel with Hairline Finish
Button	Tactile Type

HB-GS01 *1,*4

Faceplate Design	With Inclined Rim at Top End

HB-GC01 *1,*4

Faceplate Design	Without Inclined Rim

Note:
*1. The requirements by EN81-70 are satisfied.
*2. The requirements by EN81-70 are not satisfied.
*3. Some floor names and alphabet letters are not applicable.
*4. The incorporation of key-switch is Optional
*5. The hall fixtures at the bottom floor have a box behind its faceplate.

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Main Specifications

Capacity
450, 630, 800, 1000, 1200, 1275, 1350, 1600, and 2000 kg

Speed
1.0, 1.5, 1.75, 2.0, 2.5, mps
Application of 2.5 mps is subject to the satisfaction of the *Standard Dimensions* table.

Number of Served Floors
40 Stops or Less

Travel Height
90 m or less

Control Method
VVVF controlled by distributed 32-bit Microcomputers.

Traction Machine
Gearless Machine with Permanent Magnetic Synchronous Motor

Types of Elevator Operation
1-Car or 2-Car Selective Collective Operation or Group Control Operation for 3 to 8 Cars in a Bank

Door Operation System
Permanent Magnetic Motor controlled by VVVF

Door Opening Type
2-Panel Center Opening
(The elevators of 450-kg load capacity are equipped with 2-panel side opening doors as standard.)

Note: *For application range other than the above, please contact our local office for detail.
*The above specifications may change without prior notice.

1. Elevator Operation Control System

Control Systems	Details of the Systems
For One Elevator: 1-Car Selective Collective Operation (: Simplex Collective Operation)	Landing calls in the direction in which the elevator is traveling are served sequentially. After all the landing calls are served, landing calls in the opposite direction will be served. When there are no incoming calls, the elevator stops and stays at the last served floor.
For Two Elevators in a Bank: 2-Car Selective Collective Operation (: Duplex Collective Operation)	Two selective-collective-operation elevators work together in one group. Landing calls are served by either elevator that can respond first. When there are no calls, one will be on standby at the main floor; the other will stay at the last served floor.
For Two to Eight Elevators in a Bank: Group Control Operation For 2 to 8 Elevator in a bank	The operation of more than two elevators in a bank is controlled by a group supervisory system which calculates passenger waiting time in advance based on the accumulated traffic data, such as passenger travel patterns and passenger volume at each floor, etc.

2. Functions and Specific-Purpose Operations, etc.

Functions and Specific-Purpose Operations, etc.		Details	●: Standard / ■: Optional	
Passenger-Safety Functions	Alarm Buzzer	When the emergency button is pressed, the car-top-mounted buzzer will sound an alarm.	●	
	Rescue Operation to Nearest Floor	In the event that an elevator stops between floors, a safety circuit will automatically analyze the situation and slowly move the elevator to the nearest available floor.	●	
	Automatic Releveling	In the event that an elevator floor isn't leveled with the landing floor, the Automatic Releveling function will initiate and make the elevator floor flush with the landing floor.	●	
	Emergency Car Lighting	In the event of a power failure, a self-charging-battery-equipped emergency lighting system will light up the elevator for passenger safety and relief.	●	
	Intercom System (2 way Communication System)	An intercom for 2-way communication is installed in the elevator. It allows 4 remote telephones to communicate with the elevator; one on the car top, one in the pit, one at the top floor entrance and one in the building-system control room.	●	
	Multi-Beam Sensor	Multi-beam Sensor emits multiple infrared beams, creating an invisible curtain covering the entire doorway. If any of the beams is interrupted, the closing doors will stop and reopen.	●	
	Multi-Beam Sensor with Mechanical Safety Edge	A multiple-beam sensor can be incorporated in mechanical safety edges of elevator doors.		■
	Night-Time Self-Checking Operation	During the night time when the elevator doesn't receive any car and hall calls, the system will move the elevator and check the mechanical brake conditions automatically.	●	
	Open Door Warning	If a passenger tries to forcibly open the doors while the elevator is in operation, the warning device will sound an alarm.	●	
	Unintended Car Movement Protection (UCMP)	The Unintended Car Movement Protection system prevents elevator movement from the landing floor, while passengers are entering and getting off the elevator.	●	

The above functions may change without prior notice.

Functions and Specific-Purpose Operations, etc.		Details	●: Standard / ■: Optional	
Efficient-Operation Functions	Anti-Nuisance Function	1) For elevators with three or more landings, when three or more car calls are registered at the same time, or when four or more car calls are registered in an extremely short period of time, the system will automatically cancel the activated car calls. 2) For elevators with five or more landings, when an elevator loaded with 100 kg or less receives four or more car call registrations, the system will cancel all the activated registrations.	●	
	Auto Adjustment of Door Open Time	This function automatically adjusts the door-hold open time (dwell time) at each floor depending on passengers' hall- and car- call registration situations.	●	
	Automatic Return to Main Floor (for Group Control Operation)	When an elevator does not receive any car- or hall- calls for a certain period of time, the Automatic Return to Main Floor function makes the elevator go to the lobby or a predetermined floor and waits in standby for passengers to board.	●	
	Door Nudging	If the car doors are held open over a given period of time, the Door Nudging function will close them slowly with an audible alarm.	●	
	Auto-Separation after Elevator Failure (for Group Control Operation)	When an elevator under group control operation fails to operate normally, it will be separated from the elevator group so as not to affect the overall group elevator performance.	●	
	Load Bypass	When a traveling car is fully loaded, it will bypass floors where hall calls are registered. Those hall calls will be assigned to another available elevator. *For Group Control Operation, Load Bypass is originally furnished		■*
	Overload Warning	When a car becomes overloaded, the warning alarm will sound. The elevator doors will not close until the overloaded state is resolved.	●	
	Reverse-Direction Car-Call Cancellation	In the event that a passenger tries to register a car call that is behind the car's current travelling direction, the elevator system will regard it as a nuisance call and ignore it in order to maintain the elevator service efficiency.	●	
	Wrong Car-Call Register Cancellation	In case a passenger presses the wrong car call button, this mistake can be cancelled by pushing the same button twice.	●	

Functions and Specific-Purpose Operations, etc.		Details	●: Standard / ■: Optional	
Passenger-Comfort Functions	Arrival Chime(In Car)	When a car arrives at a destination floor, an arrival chime will sound softly.		■
	Attendant Operation	By using attendant-operation buttons inside a car operating board's cabinet, authorized personnel can register car calls for in-car passengers. In addition to monitoring incoming hall calls, the attendant decides the car travel direction and operates the car doors with priority service for in-car passengers.		■
	Automatic Voice Announcement System (VONIC) in English	A computerized voice system provides passengers with timely information about car directions, car arrivals, door opening and closing, and emergencies, etc. At the customer's request, announcements in other languages can be added.		■
	Car Ventilation Fan	Ventilation inside car, fan attached to the ceiling to keep car ventilated well.		■
	Plasmacluster™ Ion Generating Device (IONFUL)	The first elevator company that installed a Plasmacluster Ion generating device in an elevator is Fujitec. The device built in an elevator's ventilation unit disinfects airborne mold, bacteria, viruses, allergens, and odor molecules as well as creating clean air in the elevator. This increases the comfort of passengers. *: Plasmacluster is a trademark of Sharp Corporation.		■
	Visual Display on Car Operating Board	Informing on an elevator's current condition, a visual display on the car operating board will provide passengers with timely text messages such as "OVERLOADED", "EMER. OPERATION, PLEASE EXIT FROM THE CAR." etc,	●	
	Visual Display on Landing Fixture	Informing on an elevator's current condition, a visual display on the landing fixture will provide waiting passengers with timely text messages such as "OVERLOADED", "EMER. OPERATION", etc.		■
Energy-Saving Functions	Automatic Light Control	If an elevator receives no car- and hall- calls within a certain period of time, its lights will turn off automatically.	●	
	Automatic Fan Control	If an elevator receives no car- and hall- calls within a certain period of time, its ventilation fan will turn off automatically.		■
	Elevator Operation Period Control	The elevator operation period in a day is automatically controlled by a timer mounted on the control panel's computer board.		■
	Parking Operation	When an elevator is shifted to Parking Operation mode, the elevator will move to the pre-assigned floor and park with its doors closed, and car lights and fan turned off.		■
	Electric Power Regenerative Unit	The adoption of electric power regenerative unit instead of conventional heat dissipation resistor allows the traction-machine-produced electricity to be fed back to the building's electrical facilities.		■

The above functions may change without prior notice.

The above functions may change without prior notice.

Specification Details

Functions and Specific-Purpose Operations, etc.		Details	●: Standard / ■: Optional	
Specific-Purpose Operations	Battery-Powered Automatic Landing Operation (LANDIC)	In the event of a power failure, a compact battery power source will move the car to the nearest available floor.		■
	Door Opening Failure Rescue Operation	When an elevator fails to open the doors at a landing floor, it will move to the next available floor and open them.	●	
	Earthquake Rescue Operation (WAVIC)	When a seismic sensor has detected a seismic wave (the secondary seismic wave), the elevator(s) will be shifted to rescue operation mode and automatically move to the nearest available floor for passenger evacuation.		■
	Fire Operation	In the event of a fire, the Fire Operation mode will automatically take an elevator directly to an evacuation floor and immobilize it there.		■
	Firefighter Operation	The Firefighter Operation mode allows firefighters to use an elevator during a fire. Under this mode, the elevator responds only to car call registrations made by firefighters.		■
	Independent Operation	When Independent Operation is turned on, a designated elevator can operate independently for exclusive use.		■
	Standby Power Operation	In the event of a power failure, the elevator(s) will return to an evacuation floor using standby power and will be held there on standby. Note: Standby power system shall be provided and installed by third parties.		■
Equipment for Building Security, etc.	Building-Management-System (BMS) Interface	Through a purpose-built interface, a building management system can receive up-to-date elevator operation data.		■
	CCTV-Camera Cables (between car and elevator control panel)	For a CCTV camera, video-signal cables between the hoistway and control panel are available.		■
	Elevator Operation Supervisory Panel (such as watching board, console panel, etc.)	Through an elevator operation supervisory panel, the statuses of elevator operation can be monitored and the elevator operation controlled.		■
	Elevator Visual Monitoring System (ELVIC)	By monitoring the current statuses of running elevators and giving necessary commands to elevators through desk-top PCs in a specific remote location, ELVIC manages and controls elevator operation. (Desk-top PCs shall be provided by the customer.)		■
	In-Car Power Receptacle	A power receptacle can be installed in an elevator. (Maximum allowable wattage: 1 kW)		■

The above functions may change without prior notice.

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Fujitec's Global Operations in 25 countries and Regions Delivers "Japanese Quality: Made in Fujitec" to Various Customers.

In the 1960's, Fujitec became one of the first Japanese companies in the industry and sought for global development of its business. Since then, we have helped build cities all over the world and continue to develop our business aggressively on a global basis. Fujitec and its customers benefit from close relationships and cooperation among all of the members of Fujitec Global Companies.

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Based on our global mission statement, "Respecting people, technologies and products, we collaborate with people from nations around the world to create beautiful and functional cities that meet the needs of a new age," Fujitec provides reliable products and services all over the world.

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By developing technologies as a specialized manufacturer over the years, every Fujitec base has established an integrated quality management system for each stage of manufacturing, installation and maintenance. This supports Fujitec's constant pursuit of safety, reliability and comfort.

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