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We reserve the right to change designs and specifications for the
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Passenger Elevator

Panoramic Elevator

Hospital Elevator

Service Elevator



www.lgselevator.kr

Dear Valued Customers,

It has been our pleasure to announce that we, LGS Elevator Korea, care for your safety while using vertical transportation.

Your safety and convenience are of utmost importance to us, so we maintain the highest standards of technology to ensure superior innovation in safety and environmentally friendly practices.

Our experienced engineers are dedicated to designing top-quality vertical transportation solutions that combine exceptional aesthetics and advanced features across our product line.

With over 30 years of experience in the elevator and escalator industry, LGS Elevator experts and management have built a brand dedicated to meeting the needs and demands of our customers. We are committed to producing the world's best elevators and escalators.

Furthermore, we are firmly committed to providing safety and convenience for our customers. Each day, millions of people use our elevators and escalators, and we take our responsibility to ensure the absolute safety of all our passengers very seriously. Our goal is to provide a smooth, safe, and convenient experience for all users of LGS elevators and escalators. We continuously invest in technological improvements and the development of innovative designs to uphold our company's values.

We promise to make every effort to ensure your complete satisfaction with LGS products and services. We encourage you to visit our website regularly to stay updated on our latest innovations and products.

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Attestato UE di tipo
EU-Type Certificate
n. ECM LD-B 2024-WQ64

Attestato UE di tipo di prodotto (EU-Type Certificate of Product) - Issued by the European Commission

ECM ELEVATOR KOREA CO., LTD.
18-15, Taksan-dong 1-gil, Gangnam-gu, Seoul 04524, Korea

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Ente Certificazione Macchine srl
Via S. Maria 10 - 20121 Milano (MI) - Italia
Tel. +39 02 57494111 - Fax +39 02 57494112 - Email: info@entecertificazionemacchine.it

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globalgroup
Certification

Certificate of Registration

THIS IS TO CERTIFY THAT THE
QUALITY MANAGEMENT SYSTEM
OF
LGS ELEVATOR KOREA CO., LTD.
HAS BEEN SUCCESSFULLY REGISTERED TO THE PROVISIONS OF
ISO 9001:2008
(International Standard)

Design, manufacture and service of elevators and related parts

Registration Number: 12010001
Registration Date: 01 January 2017
Expiry Date: 31 December 2019

globalgroup
Certification

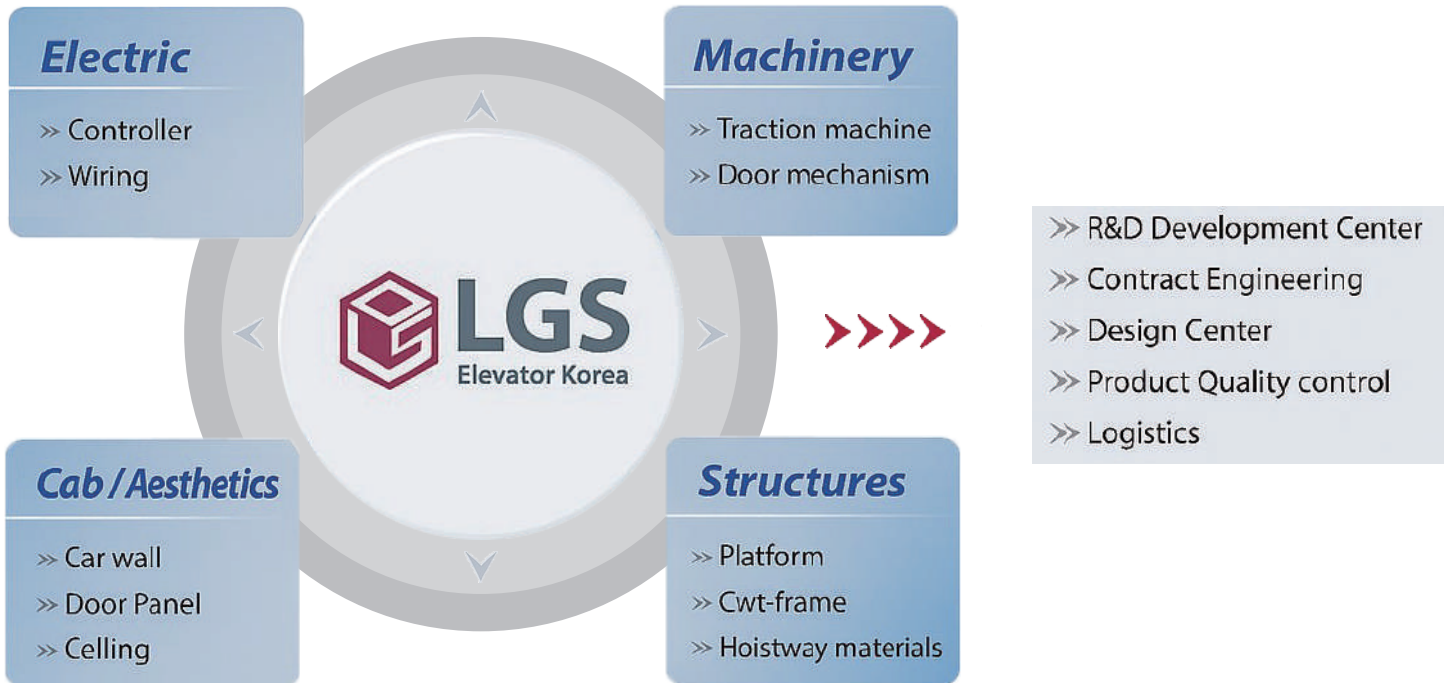
Certificate of Registration

THIS IS TO CERTIFY THAT THE
ENVIRONMENTAL MANAGEMENT SYSTEM
OF
LGS ELEVATOR KOREA CO., LTD.
HAS BEEN SUCCESSFULLY REGISTERED TO THE PROVISIONS OF
ISO 14001:2004
(International Standard)

Design, manufacture and service of elevators and related parts

Registration Number: 12010002
Registration Date: 01 January 2017
Expiry Date: 31 December 2019





Mini Machine Room Gearless Elevator

The advanced gearless traction machine by energy saving and environmental protection is applied. This can save construction space and cost.

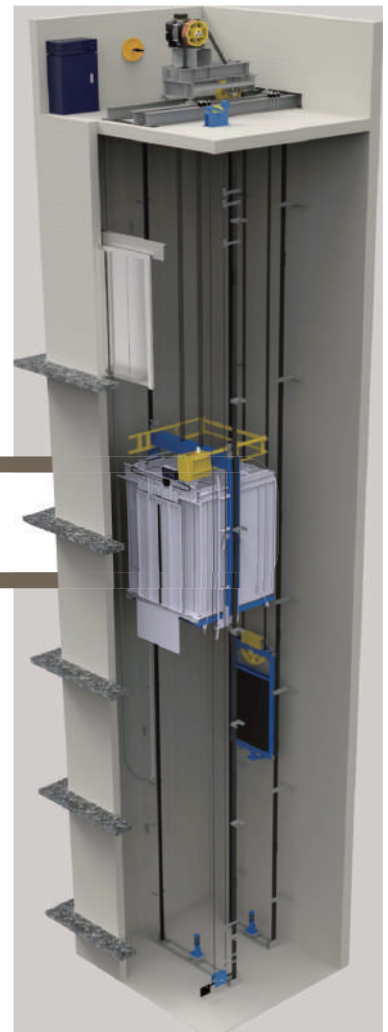
Machine Roomless Gearless Elevator

MRL can optimize building space with excellent hoistway utilization. In addition, it is possible to save the construction cost of building a machine room, enabling flexible construction design and cost reduction.

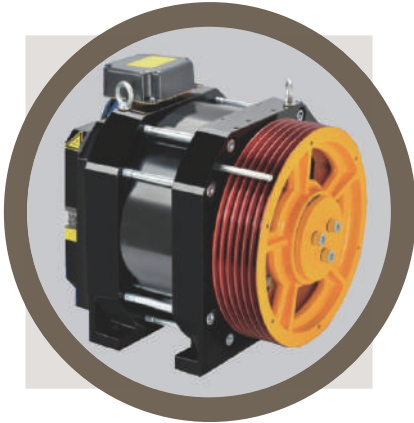


MRL

MMR



Reliable Elevator System



PMSM Traction Machine

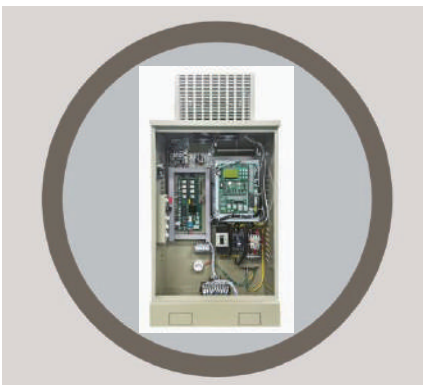
The energy saving effect of PMSM gearless traction machine is sup
It can save 40% energy compared to geared traction machines.
It can save 35% energy compared to previous VVVF gearless elevato

VVVF Drive Korean Controller

Powerful 32-bit integrated control system.

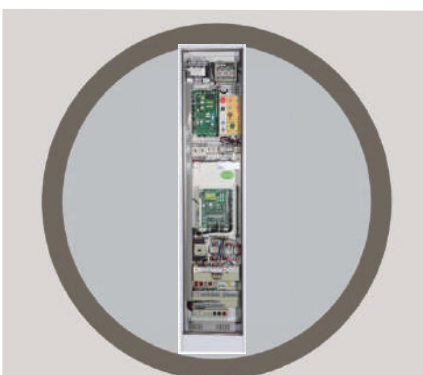
The drive system of the elevator applies variable frequency speed regulation technology, which makes the elevator's control more intelligent, improves the elevator's running control performance, effectively saves energy, reduce losses and ensure stable and efficient operations.

Standard Specation	
Power	3-Phase 380/400/415
Frequency	50/60Hz
Rated power	5.5~45KW
Control Type	Rope type
Usage	Passenger/Freight
Motor Type	PMSM,IM
No. of Stop	62Floors
Max Speed	240m/min



> MMR Controller

This controller is a high-performance controller especially enhanced with easy installation and maintenance.



> MRL Controller

MRL Controller is ultra-modern elevator system which is specialized for machine roomless type.

It performs optimized function of synchronous motor control.

▶ ELITE I

■ CAR DESIGN

Front View



Rear View



Specification

CEILING	LG-CE61(STS-HL+STS-MR)
CAR DOOR	STS-MR-ET(LG-ET054)
CAR WALL	Front: STS-MR Side/Rear: STS-MR+STS-MR-ET (LG-ET054)+STS-MR
HANDRAIL	HR-01(STS-MR)
FLOOR	MARBLE(By Local)

■ ENTRANCE

Ground Floor



Specification

Ground Floor	
JAMB	J-311 STS-MR
DOOR	STS-MR-ET(LG-ET054)
Typical Floor	
JAMB	J-101 STS-HL
DOOR	STS-HL-ET(LG-ET054)

Typical Floor



Note
The printed image might be different from actual product.
Car wall image (partition) can be different (changed) depending on capacity or Car size.

▶ ELITE II

CAR DESIGN

Front View



Rear View



Specification

CEILING	LG-CE64(STS-HL+STS-MR)
CAR DOOR	STS-MR-ET(LG-ET091)
CAR WALL	Front: STS-MR Side/Rear: STS-MR+STS-MR-ET (LG-ET091)+STS-MR
HANDRAIL	HR-01(STS-MR)
FLOOR	PVC TILE(T8030)

ENTRANCE

Ground Floor



Specification

Ground Floor	
JAMB	J-311 STS-MR
DOOR	STS-MR-ET(LG-ET091)
Typical Floor	
JAMB	J-101 STS-HL
DOOR	STS-HL-ET(LG-ET091)

Typical Floor



Note
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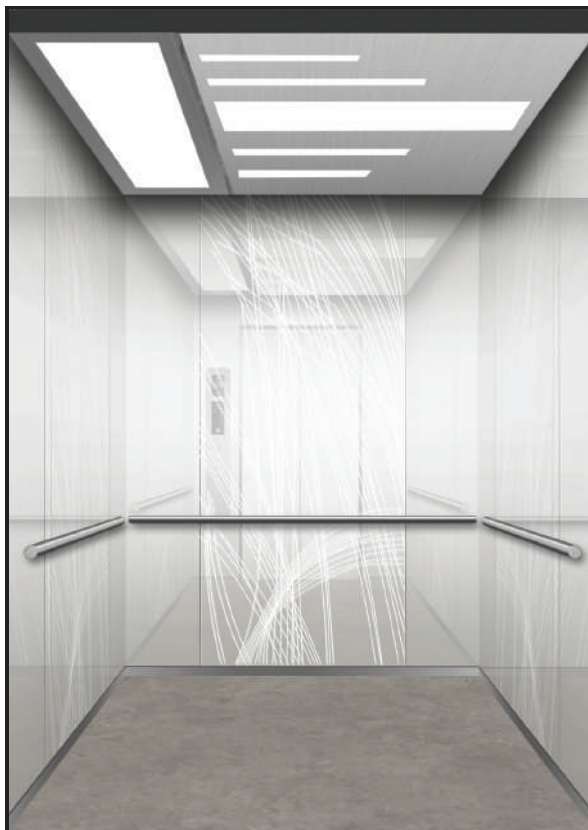
▶ ELITE III

▮ CAR DESIGN

Front View



Rear View



Specification

CEILING	LG-CE73(STS-HL+STS-MR)
CAR DOOR	STS-MR-ET(LG-ET108)
CAR WALL	Front: STS-MR Side/Rear: STS-MR+STS-MR-ET (LG-ET108)+STS-MR
HANDRAIL	HR-01(STS-MR)
FLOOR	MARBLE(By Local)

▮ ENTRANCE

Ground Floor



Specification

Ground Floor	
JAMB	J-311 STS-MR
DOOR	STS-MR-ET(LG-ET108)
Typical Floor	
JAMB	J-101 STS-HL
DOOR	STS-HL-ET(LG-ET108)

Typical Floor



Note
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▶ ELITE IV

CAR DESIGN

Front View



Rear View



Specification

CEILING	LG-CE74(STS-HL+STS-MR)
CAR DOOR	STS-MR-ET(LG-ET109)
CAR WALL	Front: STS-MR Side/Rear: STS-MR+STS-MR-ET (LG-ET109)+STS-MR
HANDRAIL	HR-01(STS-MR)
FLOOR	MARBLE(By Local)

ENTRANCE

Ground Floor



Specification

Ground Floor	
JAMB	J-311 STS-MR
DOOR	STS-MR-ET(LG-ET109)
Typical Floor	
JAMB	J-101 STS-HL
DOOR	STS-HL-ET(LG-ET109)

Typical Floor



Note
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Car wall image (partition) can be different (changed) depending on capacity or Car size.

▶ ELITE V

CAR DESIGN

Front View



Rear View



Specification

CEILING	LG-CE20(STS-HL+STS-MR)
CAR DOOR	STS-MR-ET(LG-ET003)
CAR WALL	Front: STS-MR Side/Rear: STS-MR+STS-MR-ET (LG-ET003)+STS-MR
HANDRAIL	HR-01(STS-MR)
FLOOR	PVC TILE(T8870)

ENTRANCE

Ground Floor



Specification

Ground Floor	
JAMB	J-311 STS-MR
DOOR	STS-MR-ET(LG-ET003)
Typical Floor	
JAMB	J-101 STS-HL
DOOR	STS-HL-ET(LG-ET003)

Typical Floor



Note
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Car wall image (partition) can be different (changed) depending on capacity or Car size.

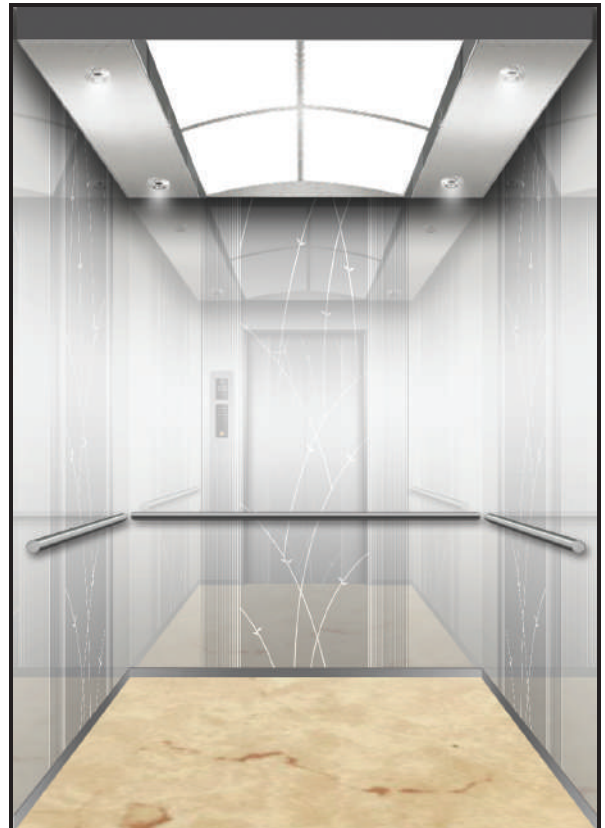
▶ ELITE VI

CAR DESIGN

Front View



Rear View



Specification

CEILING	LG-CE30(STS-HL+STS-MR)
CAR DOOR	STS-MR-ET(LG-ET002)
CAR WALL	Front: STS-MR Side/Rear: STS-MR+STS-MR-ET (LG-ET002)+STS-MR
HANDRAIL	HR-01(STS-MR)
FLOOR	PVC TILE(T8021)

ENTRANCE

Ground Floor



Specification

Ground Floor	
JAMB	J-311 STS-MR
DOOR	STS-MR-ET(LG-ET002)
Typical Floor	
JAMB	J-101 STS-HL
DOOR	STS-HL-ET(LG-ET002)

Typical Floor



Note
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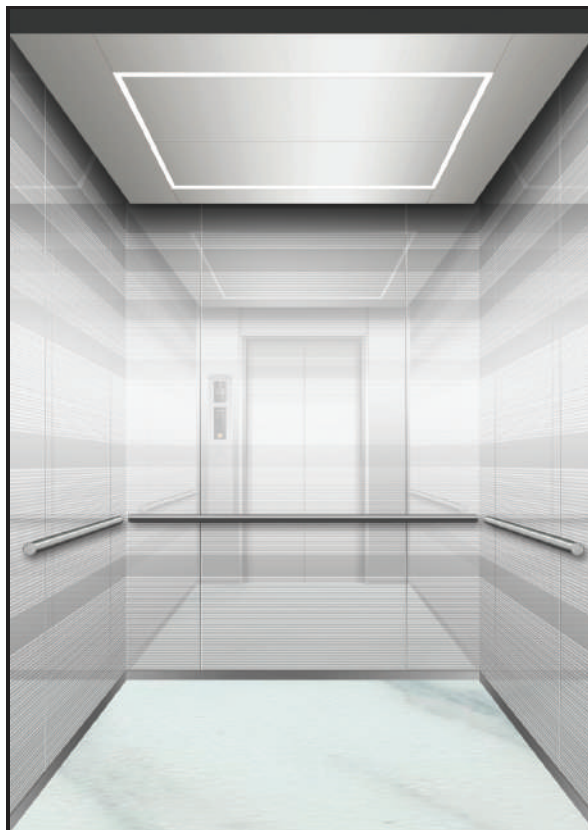
▶ ELITE VII

■ CAR DESIGN

Front View



Rear View



Specification

CEILING	LG-CE72(STS-HL+STS-MR)
CAR DOOR	STS-MR-ET(LG-ET001)
CAR WALL	Front: STS-MR Side: STS-MR-ET(LG-ET001) Rear: STS-MR-ET(LG-ET001)
HANDRAIL	HR-01(STS-MR)
FLOOR	PVC TILE(T8022)

■ ENTRANCE

Ground Floor



Specification

Ground Floor	
JAMB	J-311 STS-MR
DOOR	STS-MR-ET(LG-ET001)
Typical Floor	
JAMB	J-101 STS-HL
DOOR	STS-HL-ET(LG-ET001)

Typical Floor



Note
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► ELITE VIII

CAR DESIGN

Front View



Rear View



Specification

CEILING	LG-CE13(STS-HL+STS-MR)
CAR DOOR	STS-MR-ET(LG-ET092)
CAR WALL	Front: STS-MR Side: STS-MR-ET(LG-ET092) Rear: STS-MR-ET(LG-ET092)
HANDRAIL	HR-01(STS-MR)
FLOOR	PVC TILE(T1109)

ENTRANCE

Ground Floor



Specification

Ground Floor	
JAMB	J-311 STS-MR
DOOR	STS-MR-ET(LG-ET092)
Typical Floor	
JAMB	J-101 STS-HL
DOOR	STS-HL-ET(LG-ET092)

Typical Floor



Note
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▶ ELITE IX

CAR DESIGN

Front View



Rear View



Specification

CEILING	LG-CE74(STS-HL+STS-MR)
CAR DOOR	STS-MR-ET(LG-ET061)
CAR WALL	Front: STS-MR Side: STS-MR-ET(LG-ET061) Rear: STS-MR-ET(LG-ET061)
HANDRAIL	HR-01(STS-MR)
FLOOR	PVC TILE(T8080)

ENTRANCE

Ground Floor



Specification

Ground Floor	
JAMB	J-311 STS-MR
DOOR	STS-MR-ET(LG-ET061)
Typical Floor	
JAMB	J-101 STS-HL
DOOR	STS-HL-ET(LG-ET061)

Typical Floor



Note
The printed image might be different from actual product.
Car wall image (partition) can be different (changed) depending on capacity or Car size.

▶ ELITE X

CAR DESIGN

Front View



Rear View



Specification

CEILING	LG-CE73(STS-HL+STS-MR)
CAR DOOR	STS-MR-ET(LG-ET052)
CAR WALL	Front: STS-MR Side: STS-MR-ET(LG-ET052) Rear: STS-MR-ET(LG-ET052)
HANDRAIL	HR-01(STS-MR)
FLOOR	PVC TILE(T1101)

ENTRANCE

Ground Floor



Specification

Ground Floor	
JAMB	J-311 STS-MR
DOOR	STS-MR-ET(LG-ET052)
Typical Floor	
JAMB	J-101 STS-HL
DOOR	STS-HL-ET(LG-ET052)

Typical Floor



Note
The printed image might be different from actual product.
Car wall image (partition) can be different (changed) depending on capacity or Car size.

► PRESTIGE I

▮ CAR DESIGN

Front View



Rear View



Specification

CEILING	LG-CE71(STS-HL+STS-MR)
CAR DOOR	STS-HL
CAR WALL	Front: STS-HL Side: STS-HL+STS-MR+STS-HL Rear: STS-HL+LED BAR+STS-MR +LED BAR+STS-HL
HANDRAIL	HR-01(STS-HL)
FLOOR	MARBLE(By Local)

▮ ENTRANCE

Ground Floor



Specification

Ground Floor	
JAMB	J-311 STS-HL
DOOR	STS-HL
Typical Floor	
JAMB	J-101 STS-HL
DOOR	STS-HL

Typical Floor



Note
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Car wall image (partition)can be different (changed) depending on capacity or Car size.

► PRESTIGE II

CAR DESIGN

Front View



Rear View



Specification

CEILING	LG-CE71(STS-HL+STS-MR)
CAR DOOR	STS-HL Ti-BLACK
CAR WALL	Front: STS-HL Ti-BLACK Side: STS-HL Ti-BLACK+ STS-MR Ti-BLACK+STS-HL Ti-BLACK Rear: STS-HL Ti-BLACK+LED BAR+ STS-MR Ti-BLACK+LED BAR+STS-HL Ti-BLACK
HANDRAIL	HR-01(STS-HL Ti-BLACK)
FLOOR	MARBLE(By Local)

ENTRANCE

Ground Floor



Specification

Ground Floor	
JAMB	J-311 STS-HL Ti-BLACK
DOOR	STS-HL Ti-BLACK
Typical Floor	
JAMB	J-101 STS-HL Ti-BLACK
DOOR	STS-HL Ti-BLACK

Typical Floor



Note
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Car wall image (partition) can be different (changed) depending on capacity or Car size.

► PRESTIGE III

I CAR DESIGN

Front View



Rear View



Specification

CEILING	LG-CE65(STS-MR TI-BRONZE)
CAR DOOR	STS-MR-ET TI-BRONZE(LG-ET065)
CAR WALL	Front: STS-MR TI-BRONZE Side/Rear: STS-MR TI-BRONZE+ STS-MR-ET TI-BRONZE(LG-ET065)+ STS-MR TI-BRONZE
HANDRAIL	HR-01(STS-MR TI-BRONZE)
FLOOR	MARBLE(By Local)

I ENTRANCE

Ground Floor



Specification

Ground Floor	
JAMB	J-311 STS-MR TI-BRONZE
DOOR	STS-MR-ET TI-BRONZE(LG-ET065)
Typical Floor	
JAMB	J-101 STS-HL TI-BRONZE
DOOR	STS-HL-ET TI-BRONZE(LG-ET065)

Typical Floor



Note
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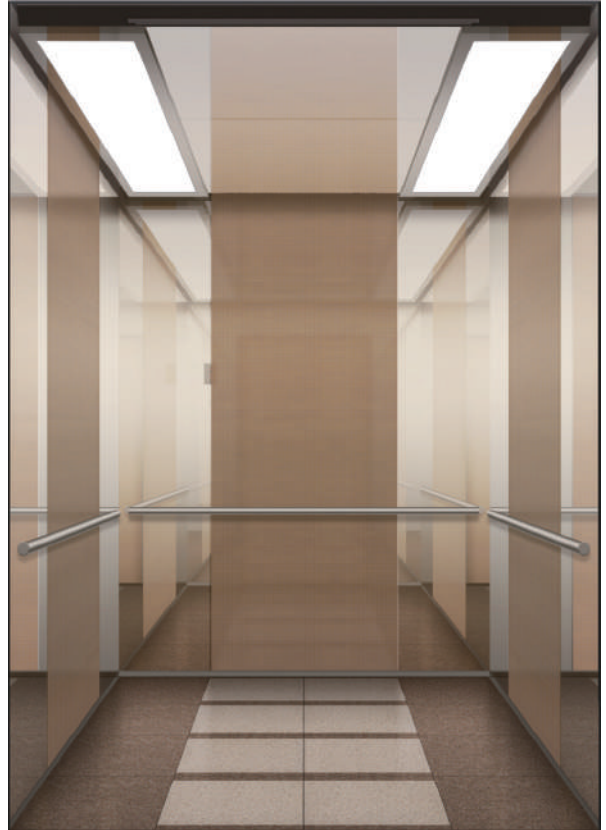
► FUTURIST I

CAR DESIGN

Front View



Rear View



Specification

CEILING	LG-CE66(STS-MR)
CAR DOOR	Rolling Stone
CAR WALL	Front: STS-MR Side/Rear: STS-MR+Rolling Stone +STS-MR
HANDRAIL	HR-01(STS-HL)
FLOOR	MARBLE(By Local)

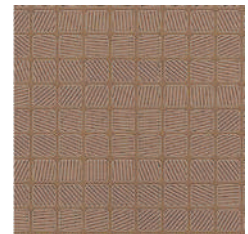
ENTRANCE

Ground Floor



Specification

Ground Floor	
JAMB	J-311 STS-MR
DOOR	Rolling Stone
Typical Floor	
JAMB	J-101 STS-HL
DOOR	Rolling Stone



Rolling Stone

Typical Floor



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► FUTURIST II

CAR DESIGN

Front View



Rear View



Specification

CEILING	LG-CE66(STS-MR)
CAR DOOR	STS-HL TI-BRONZE
CAR WALL	Front: STS-MR Side: STS-HL TI-BRONZE+STS-MR Rear: Rolling Stone+STS-HL TI-BRONZE +Rolling Stone
HANDRAIL	HR-01(STS-MR)
FLOOR	MARBLE(By Local)

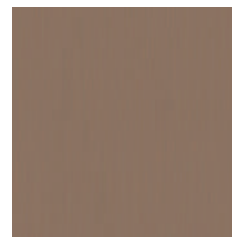
ENTRANCE

Ground Floor



Specification

Ground Floor	
JAMB	J-311 STS-HL TI-BRON
DOOR	STS-HL TI-BRONZE
Typical Floor	
JAMB	J-101 STS-HL TI-BRON
DOOR	STS-HL TI-BRONZE



ROLLING STONE

Typical Floor



Note
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► FUTURIST III

CAR DESIGN

Front View



Rear View



Specification

CEILING	LG-CE66(STS-MR)
CAR DOOR	STS-MR-ET(LG-ET063)
CAR WALL	Front: STS-MR Side/Rear: STS-3S VIB+ ART COLOR BLACK(LINE)+ STS-3S VIB
HANDRAIL	HR-01(STS-MR)
FLOOR	MARBLE(By Local)

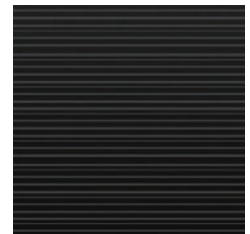
ENTRANCE

Ground Floor



Specification

Ground Floor	
JAMB	J-311 STS-HL
DOOR	STS-HL-ET(LG-ET063)
Typical Floor	
JAMB	J-101 STS-HL
DOOR	STS-HL-ET(LG-ET063)



ART COLOR BLACK(LINE)

Typical Floor



Note
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► CEILING



LG-CE11



LG-CE13



LG-CE20



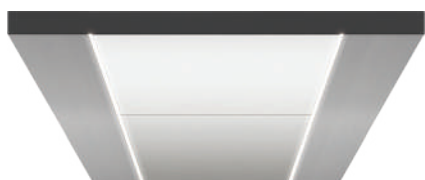
LG-CE64



LG-CE65



LG-CE66



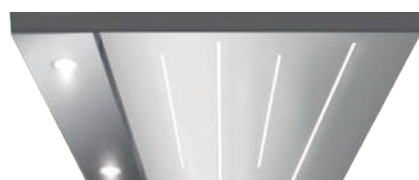
LG-CE71



LG-CE72



LG-CE73



LG-CE74



LG-CE30
(Over head 200mm Up)



LG-CE75
(Direct lighting with fan)

Note
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► HANDRAIL



HR-01



HR-02



HR-03 / Curved flat bar



HR-04 (Optional)



HR-05 (Optional)



HR-11 / Led light (Optional)

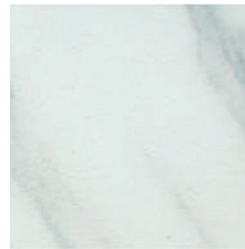
► PVC DECO TILE



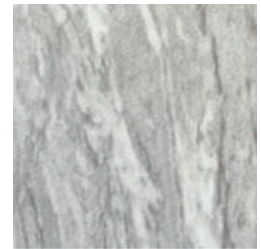
T8019



T8021



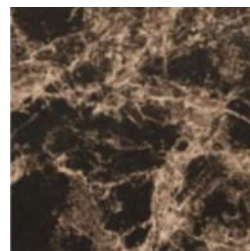
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T8026



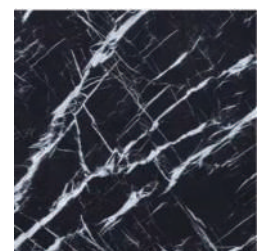
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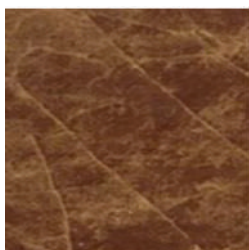
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T8080



T8870



SW-5367



T1101

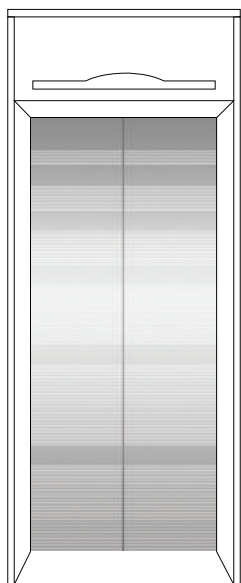


T1103



T1109

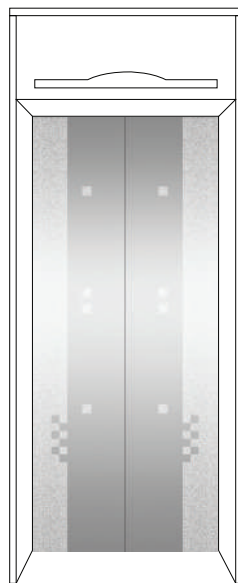
► ETCHING PATTERN



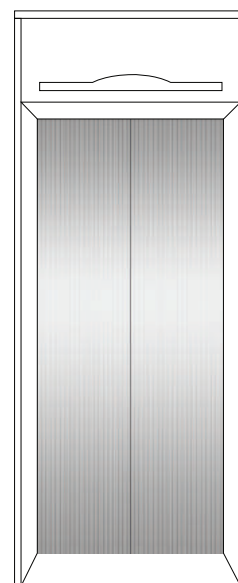
LG-ET001



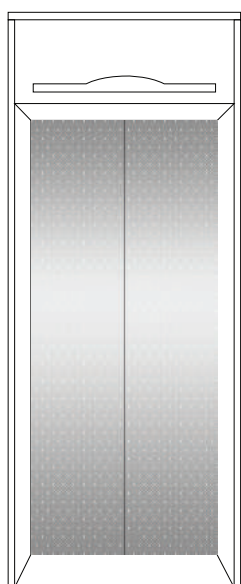
LG-ET002



LG-ET003



LG-ET004



LG-ET051



LG-ET052



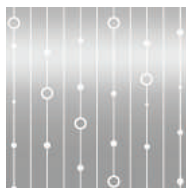
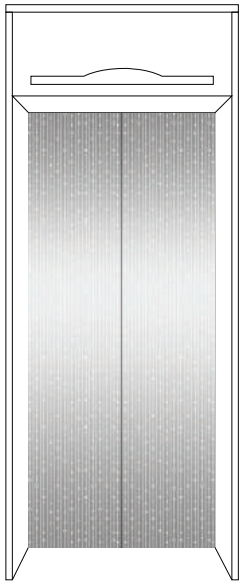
LG-ET053



LG-ET054

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Car wall image (partition) can be different (changed) depending on capacity or Car size.

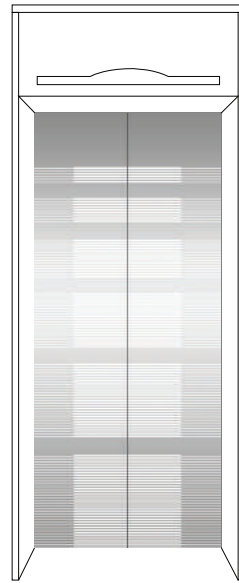
▶ ETCHING PATTERN



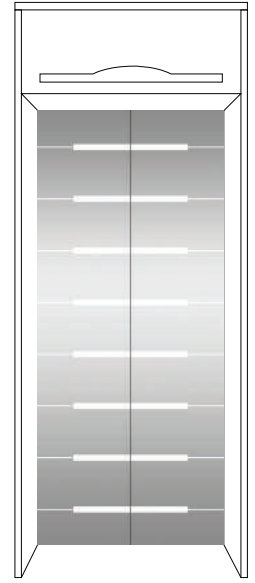
LG-ET061



LG-ET063



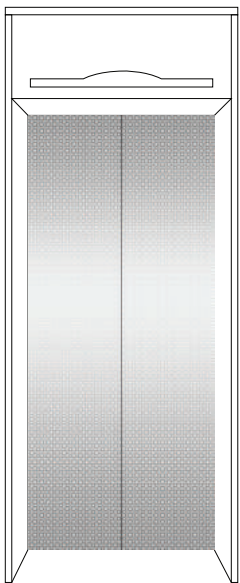
LG-ET064



LG-ET065



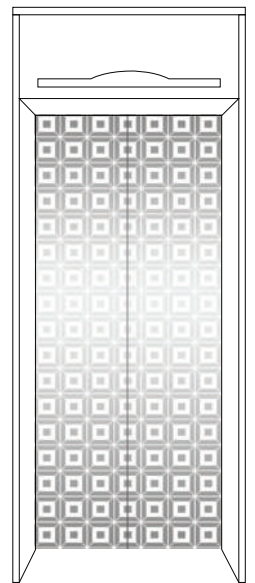
LG-ET066



LG-ET067



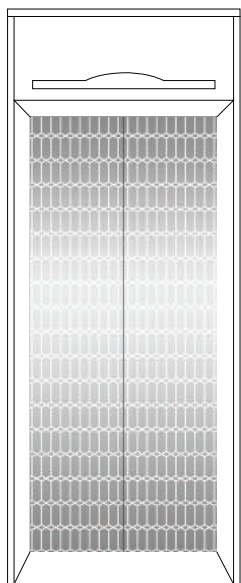
LG-ET081



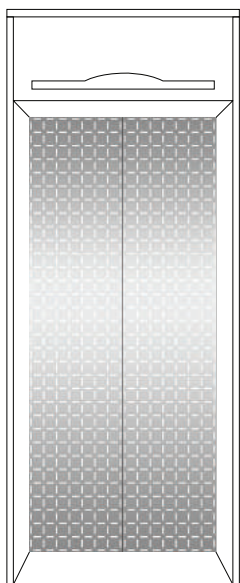
LG-ET084

Note
The printed image might be different from actual product.
Car wall image (partition) can be different (changed) depending on capacity or Car size.

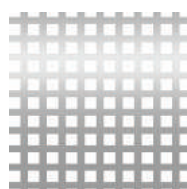
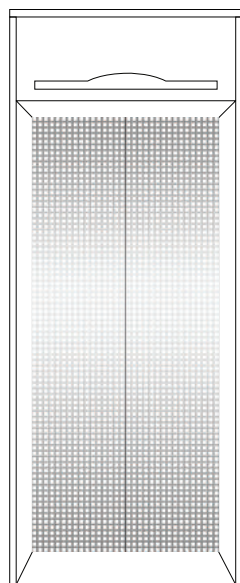
► ETCHING PATTERN



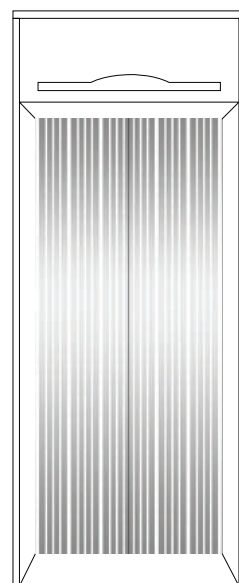
LG-ET085



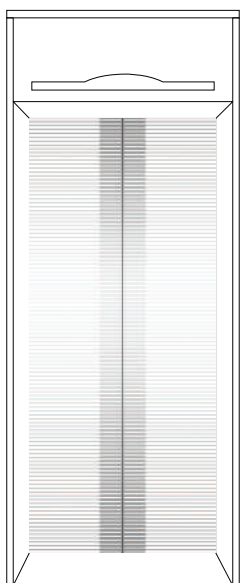
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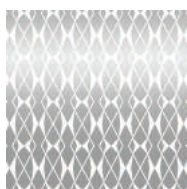
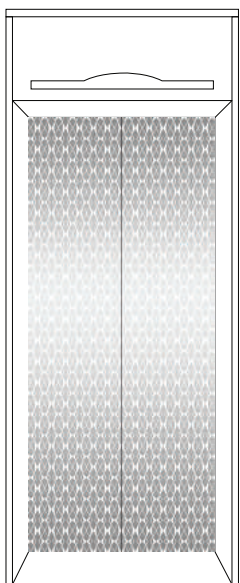
LG-ET087



LG-ET088



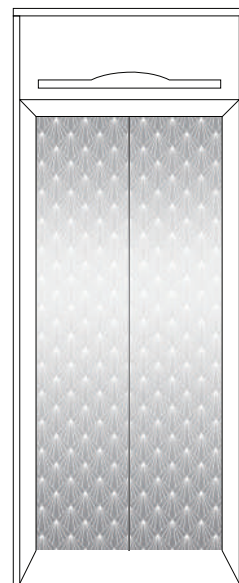
LG-ET089



LG-ET090



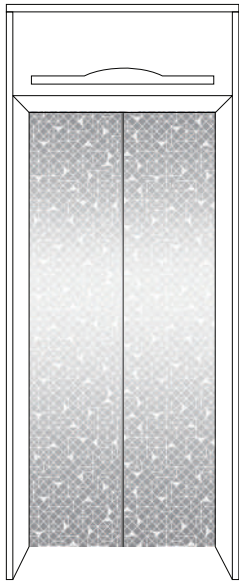
LG-ET091



LG-ET092

Note
The printed image might be different from actual product.
Car wall image (partition) can be different (changed) depending on capacity or Car size.

► ETCHING PATTERN



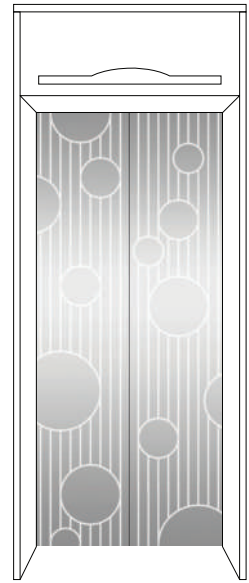
LG-ET093



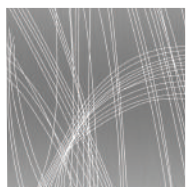
LG-ET95



LG-ET106



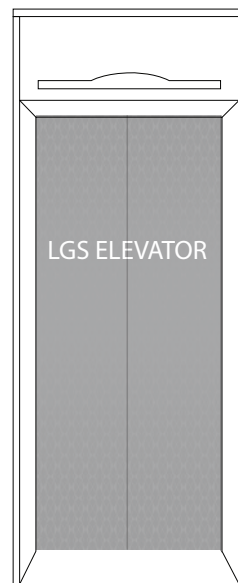
LG-ET107



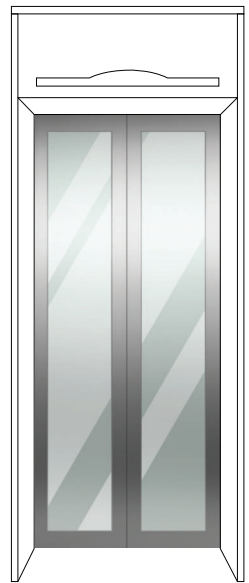
LG-ET108



LG-ET109



Customer Logo



Glass Door

Note
The printed image might be different from actual product.
Car wall image (partition) can be different (changed) depending on capacity or Car size.

► FIXTURES

COP



COP-01



COP-02



COP-03

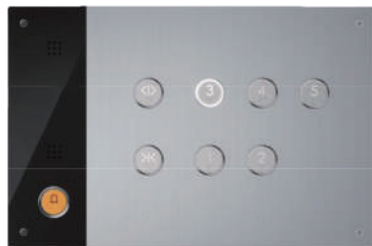


COP-04

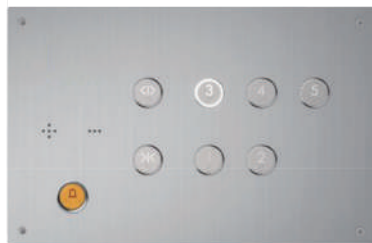


COP-05

Horizontal sub COP (Optional)



HOP-01



HOP-03



HOP-02S
(No more than 6 Floors)



HOP-04

Note
The printed image might be different from actual product.
Car wall image (partition) can be different (changed) depending on capacity or Car size.

▶ FIXTURES

| BUTTON



Round White(RW)



Round Red(RR)



Round Blue(RB)



Square White(SW)



Square Red(SR)



Square Blue(SB)



Wide White(WW)



Wide Red(WR)



Wide Blue(WB)

| LOP



HB01S



HB01SL



HB02S



HB03S



HIB01S



HIB01SL



HIB02S



HIB03S



HIB04S



HIB05S



HIB03ST

▶ FIXTURES

On Transom

Hall Position Indicator



HPI-01J



HPI-02J



HPI-03J



HPI-01S



HPI-02S



HPI-03S



HPI-04S



HPI-05S



HPI-06S

[J Type : Flush-mounted type / S Type : Slim type(Wall-mounted slim type)]

Hall Lantern

(Optional)



HL-01S



HL-02S



HL-03B

Note
The printed image might be different from actual product.
Car wall image (partition) can be different (changed) depending on capacity or Car size.



PANORAMIC Elevator CAR DESIGN

*Attractive exterior Sight
Increase building value
More Comfortable*



▶ PANORAMIC ELEVATOR

1 Side View

Front View



Rear View



Specification

CEILING	LG-CE11(STS-HL)
CAR DOOR	STS-HL-ET(LG-ET065)
CAR WALL	Front: STS-HL Side: STS-HL+STS-HL-ET(LG-ET065) +STS-HL Rear: GLASS+STS-HL FRAME
HANDRAIL	HR-01(STS-HL)
FLOOR	MARBLE(By Local)

ENTRANCE

Ground Floor



Specification

Ground Floor	
JAMB	J-311 STS-HL
DOOR	STS-HL-ET(LG-ET065)
Typical Floor	
JAMB	J-101 STS-HL
DOOR	STS-HL-ET(LG-ET065)

Typical Floor



Note
The printed image might be different from actual product.
Car wall image (partition) can be different (changed) depending on capacity or Car size.

Full Side Views

Front View



Rear View



Specification

CEILING LG-CE66(STS-HL)
CAR DOOR GLASS DOOR(STS-HL)
CAR WALL Front: STS-HL
 Side/Rear: GLASS+STS-HL FRAME

HANDRAIL HR-01(STS-HL)
FLOOR MARBLE(By Local)

ENTRANCE

Ground Floor



Specification

Ground Floor
JAMB J-311 STS-HL
DOOR GLASS DOOR(STS-HL)

Typical Floor
JAMB J-101 STS-HL
DOOR GLASS DOOR(STS-HL)

Typical Floor



Note
 The printed image might be different from actual product.
 Car wall image (partition) can be different (changed) depending on capacity or Car size.

► BED ELEVATOR

Hospital Bed Elevator

LGS bed elevator provides optimal riding space and safe door system to transport patient bed as well as comfortable ride for the safety of patients.

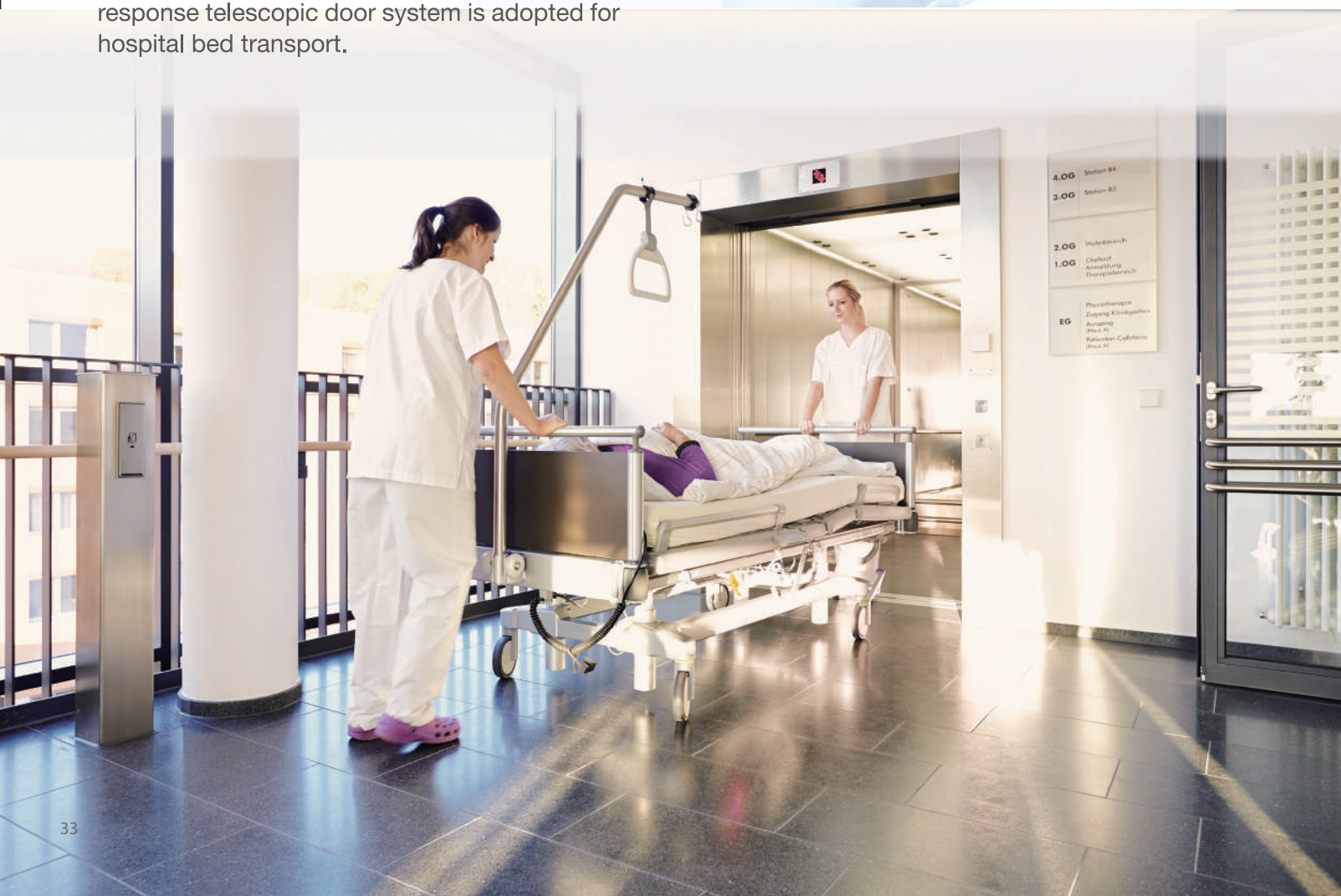
Comfortable ride for all Patients

Adopt permanent magnetic gearless traction machine and VVVF Control module, so that the elevator is more quite and smooth trip. Fresh atmosphere in car, release patient stress, it offers protection from unwanted jolts giving a ride of comfort



Safety and Convenience

Excellent door safety features(infrared beam sensor) for stretcher and passenger is provided And wide entrance opening width and quick response telescopic door system is adopted for hospital bed transport.



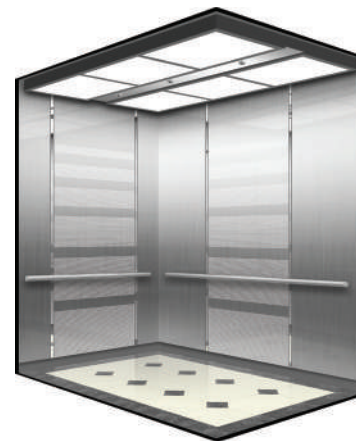
CAR DESIGN



Front View

Specification

CEILING	LG-CE11 (STS-HL)
CAR DOOR	STS-HL-ET (LG-ET001)
CAR WALL	STS-HL-ET (LG-ET001) +STS-HL + MR TRIM
HANDRAIL	HR-01 (STS-HL)
FLOOR	PVC Tile (LGP-FP21)



Rear View

CAR DESIGN

Specification

CEILING	LG-CE11 (STS-MR)
CAR DOOR	STS-MR-ET (LG-ET002)
CAR WALL	STS-MR-ET (LG-ET002) + STS-MR
HANDRAIL	HR-01 (STS-MR)
FLOOR	MARBLE (By Local)



Rear View



Front View

Note
The printed image might be different from actual product.
Car wall image (partition) can be different (changed) depending on capacity or Car size.

► SERVICE ELEVATOR



Freight Elevator

Ceiling	Direct lighting
Car Door	STS-HL
Car Wall	STS-HL
Floor	Checked Steel Plate
Sill	Steel Plate



Car Elevator

Ceiling	Direct lighting
Car Door	STS-HL
Car Wall	STS-HL
Floor	Checked Steel Plate
Sill	Steel Plate

Note
The printed image might be different from actual product.
Car wall image (partition) can be different (changed) depending on capacity or Car size.

► SERVICE ELEVATOR

| LANDING DOOR



2 Panel Telescopic Door



2 Panel Central Door

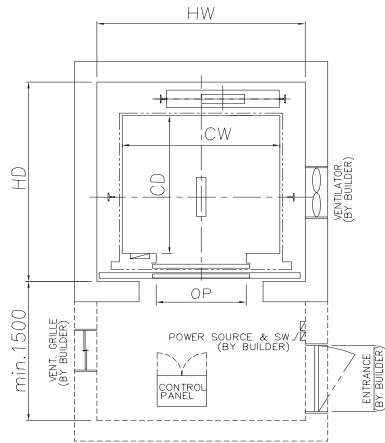


4 Panel Central Door

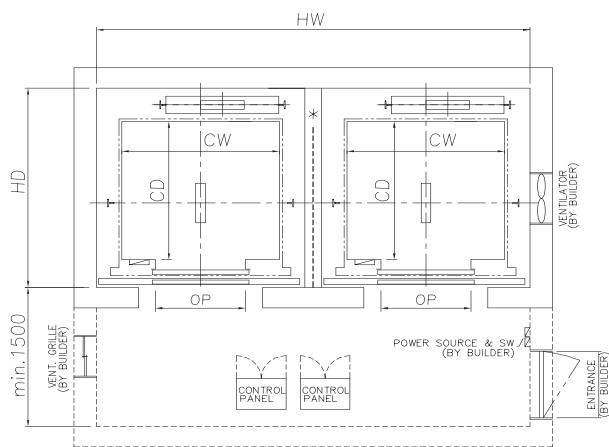
Note
The printed image might be different from actual product.
Car wall image (partition) can be different (changed) depending on capacity or Car size.

PLANNING GUIDE

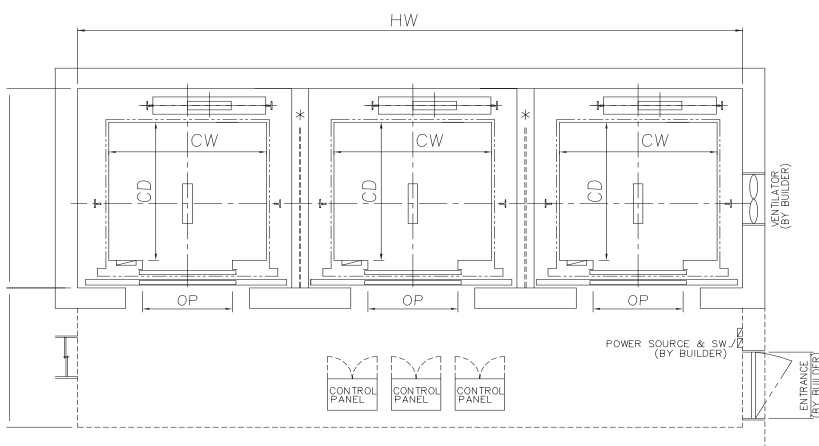
IMMR Gearless



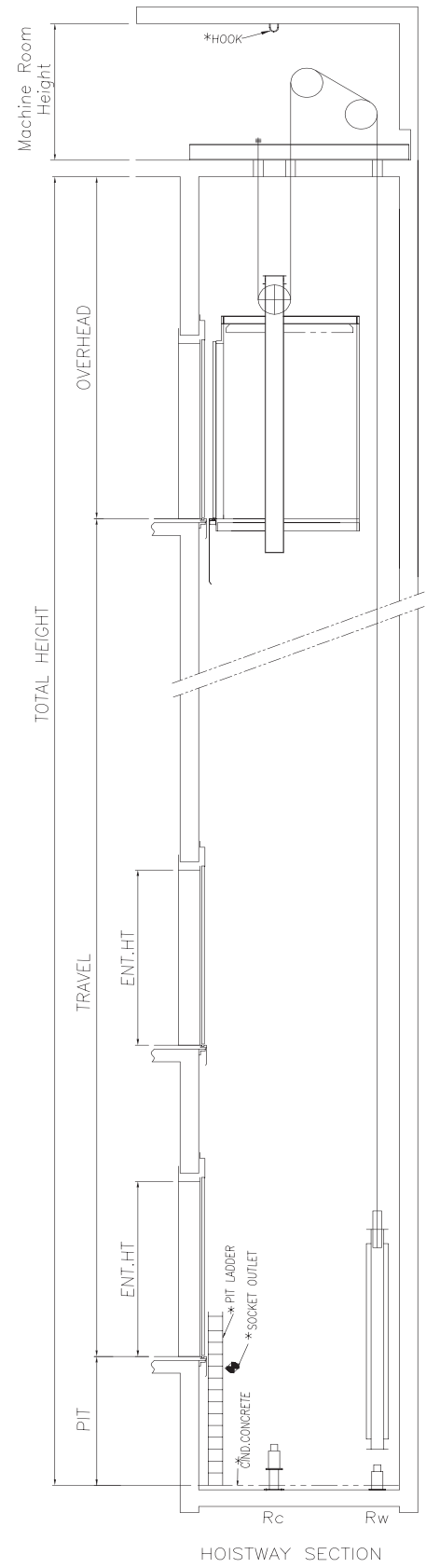
Hoistway & Machine Room Plan
(Simplex)



Hoistway & Machine Room Plan
(Duplex)



Hoistway & Machine Room Plan
(Triplex)



HOISTWAY SECTION

NOTE

- 1) Marked as* shall be provided by Builder/Others
- 2) Separated Beams shall be provided by Builder/Others

Passenger Elevator (Speed 1.0~1.75m/s)

[unit : mm]

Speed	Persons	Load	OP	Car Insize		Hoistway				Reactions		Motor Capacity [kW]	M/C Room	Overhead	PIT
						Single(1unit)		Duplex(2units)		R1(Car)	R2(C.wt)				
[m/sec]	P	[kg]	[mm]	CW	CD	HW	HD	HW	HD	[kg]	[kg]				
1.0 1.5 1.75	6	450	800	1400	850	1800	1500	3750	1500	3600	2000	3.7 / 6.3 / 7.3	2400	4300 / 4400 / 4500	1400 / 1600
	7	550	800	1400	1050	1800	1700	3750	1700	4000	2500	3.7 / 6.3 / 7.3	2400	4300 / 4400 / 4500	1400 / 1600
	8	600	800	1400	1100	1800	1750	3750	1750	4100	2600	3.7 / 6.3 / 7.3	2400	4300 / 4400 / 4500	1400 / 1600
	8	630	800	1400	1150	1800	1800	3750	1800	4150	2650	3.7 / 6.3 / 7.3	2400	4300 / 4400 / 4500	1400 / 1600
	9	700	800	1400	1250	1800	1900	3750	1900	4200	2800	5.0 / 8.0 / 9.0	2400	4300 / 4400 / 4500	1400 / 1600
	10	800	800	1400	1350	1800	2000	3750	2000	4600	2900	5.0 / 8.0 / 9.0	2400	4400 / 4500 / 4600	1400 / 1600
	12	900	900	1600	1350	2000	2000	4150	2000	5100	3800	6.7 / 10.0 / 11.7	2400	4400 / 4500 / 4600	1400 / 1600
	13	1000	900	1600	1500	2000	2150	4150	2150	5500	4300	6.7 / 10.0 / 11.7	2400	4400 / 4500 / 4600	1400 / 1600
	15	1150	1000	1800	1500	2400	2200	4950	2200	8000	5200	7.3 / 11.0 / 12.8	2400	4400 / 4500 / 4600	1400 / 1600
			1100	2000	1350	2500	2050	5150	2050	8000	5200		2400	4400 / 4500 / 4600	1400 / 1600
	18	1350	1000	1800	1700	2400	2400	4950	2400	8900	6000	8.6 / 12.9 / 15.0	2400	4400 / 4500 / 4600	1400 / 1600
			1100	2000	1600	2500	2300	5150	2300	8900	6000		2400	4400 / 4500 / 4600	1400 / 1600
	21	1600	1100	2000	1750	2600	2450	5350	2450	10200	7000	10.2 / 15.2 / 17.8	2400	4400 / 4500 / 4600	1400 / 1600
	26	2000	1100	2000	2000	2600	2700	5350	2700	10500	8000	13.4 / 20.0 / 23.4	2400	4400 / 4500 / 4600	1500 / 1700

Passenger Elevator (Speed 2.0~2.5m/s)

[unit : mm]

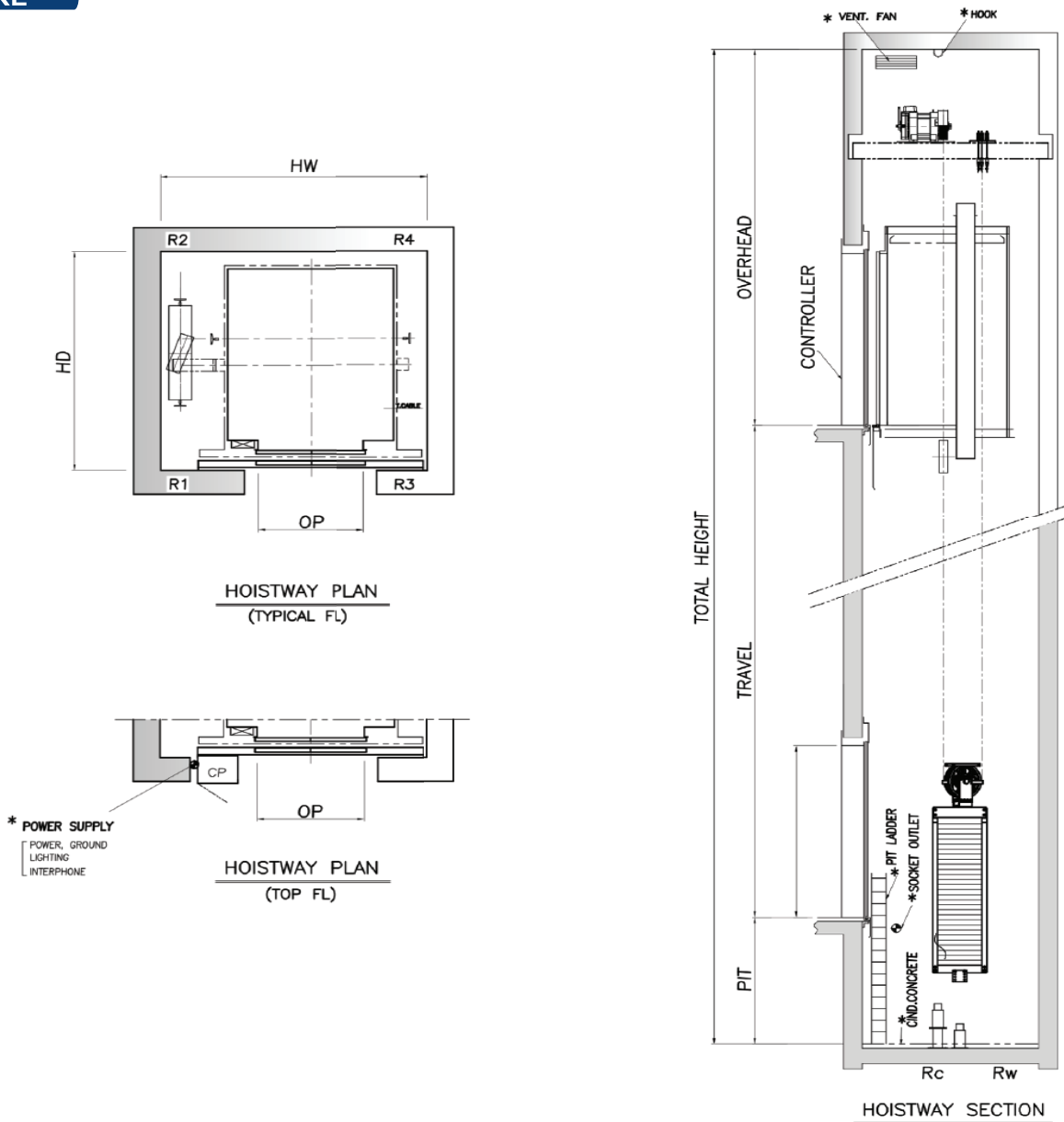
Speed	Persons	Load	OP	Car Insize		Hoistway				Reactions		Motor Capacity [kW]	M/C Room	Overhead	PIT
						Single(1unit)		Duplex(2units)		R1(Car)	R2(C.wt)				
[m/sec]	P	[kg]	[mm]	CW	CD	HW	HD	HW	HD	[kg]	[kg]				
2.0 2.5	12	900	900	1600	1350	2200	2200	4550	2200	11100	7600	13.4 / 16.7	2500	5000 / 5500	2100 / 2400
	13	1000	900	1600	1500	2200	2300	4550	2300	11700	7900	13.4 / 16.7	2500	5000 / 5500	2100 / 2400
	15	1150	1000	1800	1500	2400	2200	4950	2200	12300	8300	14.6 / 18.3	2500	5000 / 5500	2100 / 2400
			1100	2000	1350	2500	2050	5150	2050	12300	8300		2500	5000 / 5500	2100 / 2400
	18	1350	1000	1800	1700	2500	2500	5150	2500	13100	8900	17.1 / 21.4	2500	5000 / 5500	2100 / 2400
			1100	2000	1600	2600	2250	5350	2250	13100	8900		2500	5000 / 5500	2100 / 2400
	21	1600	1100	2000	1750	2600	2550	5350	2550	13900	9400	20.3 / 25.4	2500	5000 / 5500	2100 / 2400
	26	2000	1100	2000	2000	2600	2700	5350	2700	14000	9500	26.7 / 33.4	2500	5000 / 5500	2100 / 2400

Note

- Above dimensions in table shall be under the following conditions
 - Door opening : 2panel Center opening (2P-CO), 2) No. of Door in Car : 1Car 1Door
- OH, PIT dimensions shall be under the following condition
Entrance Height : 2100mm, Cab Height : Manufacturer's standard
- Single hoistway (*) for 3.5m/s and 4.0m/s shall not be allowed.(should be Duplex Hoistway)

PLANNING GUIDE

MRL



Machine Roomless Elevator(MRL)

[unit : mm]

Speed	Persons	Load	OP	Car Insize		Hoistway		Reactions				Motor Capacity [kW]	Overhead	PIT
						Single(1unit)	HD	R1(C.wt)	R2(C.wt)	R1(Car)	R2(Car)			
[m/sec]	P	[kg]	[mm]	CW	CD	HW	HD	Front[kg]	Rear[kg]	Front[kg]	Rear[kg]			
1.0	6	450	700	1100	1150	1850	1600	2200	4000	1500	400	2.9/4.3/5.0/8.4/13.4	3800/3900/3950/4100/4400	1350/1450/1500/1700/1900
	8	550	700	1100	1200	1850	1700	2200	4000	1500	400	4.0/6.0/7.0/8.4/13.4	3800/3900/3950/4100/4400	1350/1450/1500/1700/1900
	9	630	800	1250	1200	2000	1700	2200	4300	1600	600	4.0/6.0/7.0/8.4/13.4	3800/3900/3950/4100/4400	1350/1450/1500/1700/1900
	10	700	800	1250	1350	2000	1800	2200	4300	1600	600	5.1/7.6/8.9/10.0/13.4	3800/3900/3950/4100/4400	1350/1450/1500/1700/1900
1.5	11	800	800	1250	1450	2000	1900	2200	4500	1600	600	5.1/7.6/8.9/10.0/13.4	3800/3900/3950/4100/4400	1350/1450/1500/1700/1900
1.75	13	900	900	1600	1350	2300	1800	2600	5100	1900	700	6.4/9.5/11.1/13.4/16.7	3800/3900/3950/4100/4400	1350/1450/1500/1700/1900
2.0	15	1000	900	1600	1450	2300	1900	2600	5200	1900	700	6.4/9.5/11.1/13.4/16.7	3800/3900/3950/4100/4400	1350/1450/1500/1700/1900
2.5	17	1150	1000	1600	1680	2500	2100	2900	5900	2200	900	7.3/11.0/12.8/14.6/18.3	3800/3900/3950/4100/4400	1350/1450/1500/1700/2000
	20	1350	1000	1800	1700	2700	2100	3500	6800	2500	1100	8.6/12.9/15.0/17.1/21.4	4000/4100/4150/4300/4400	1500/1600/1700/1900/2100
	24	1600	1100	1800	1900	2700	2300	4700	7200	3000	1200	10.2/15.2/17.8/20.3/25.4	4000/4100/4150/4300/4400	1500/1600/1700/1900/2100
	28	2000	1100	1800	2200	2750	2600	6200	7600	3500	1400	13.4/20.1/23.4/26.7/33.7	4000/4100/4150/4300/4400	1500/1600/1700/1900/2100

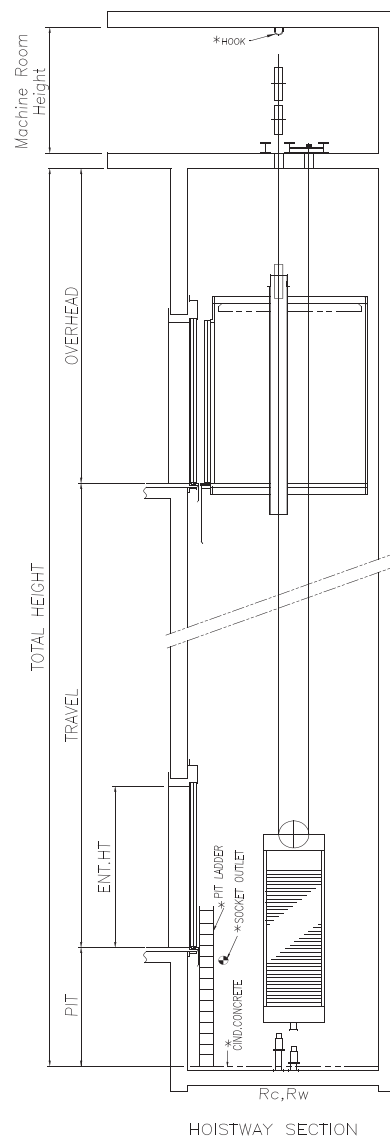
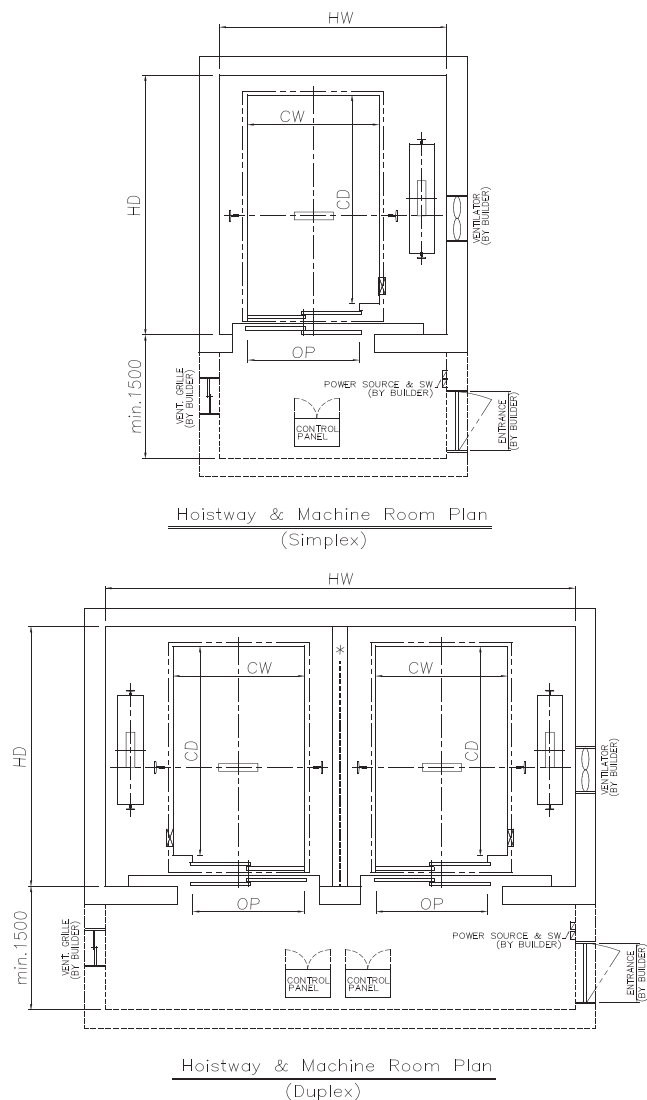
Note

1. Above dimensions in table shall be under the following conditions.

1) Door opening : 2panel Center opening (2P-CO)

2) No. of Door in Car : 1Car 1Door

MMR BED-Gearless



BED (Hospital) Elevator

[unit : mm]

Speed	Persons	Load	OP	Car Insize		Hoistway				Reactions		Motor Capacity [kW]	M/C Room	Overhead	Pit
						Single(1unit)		Duplex(2units)		R1(Car)	R2(C.wt)				
[m/sec]	P	[kg]	[mm]	CW	CD	HW	HD	HW	HD	[kg]	[kg]				
1.0	10	800	1100	1300	2300	2150	2900	4450	2900	7900	6100	5.0 / 8.0 / 9.0	2400	4400 / 4500 / 4600	1400 / 1600
1.5	13	1000	1100	1500	2300	2350	2900	4850	2900	11600	8500	6.7 / 10.0 / 11.7	2400	4400 / 4500 / 4600	1400 / 1600
1.75	15	1150	1200	1500	2500	2520	3000	5190	3000	11800	8700	7.3 / 11.0 / 12.8	2400	4400 / 4500 / 4600	1400 / 1600
2.0	10	800	1100	1300	2300	2150	2900	4450	2900	8400	6600	10.0 / 12.5	2500	5000 / 5500	2100 / 2400
2.5	13	1000	1100	1500	2300	2350	2900	4850	2900	12100	9000	13.4 / 16.7	2500	5000 / 5500	2100 / 2400
	15	1150	1200	1500	2500	2520	3000	5190	3000	12300	9200	14.6 / 18.3	2500	5000 / 5500	2100 / 2400

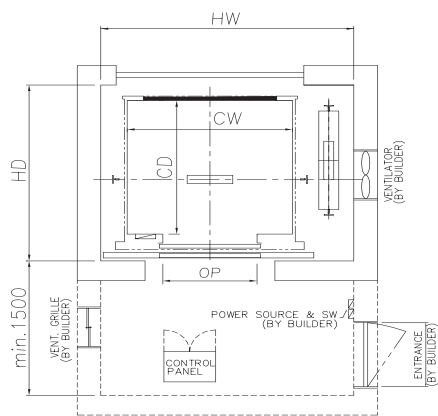
Note

- Above dimensions in table shall be under the following conditions
 - Door opening : 2panel Side opening (2P-2S), 2) No. of Door in Car : 1Car 1Door
- OH, PIT dimensions shall be under the following condition

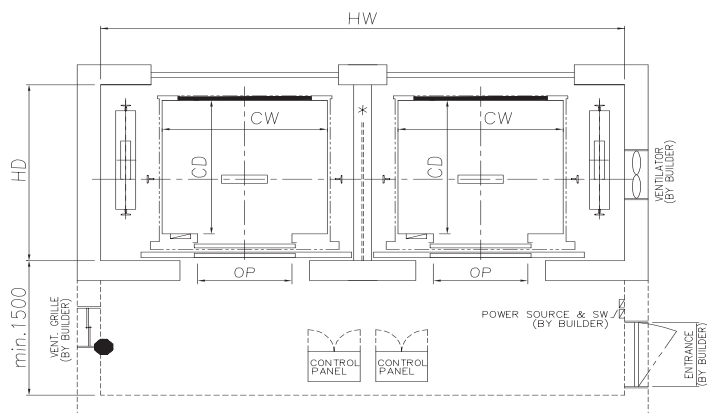
Entrance Height : 2100mm, Cab Height : Manufacturer's standard

PLANNING GUIDE

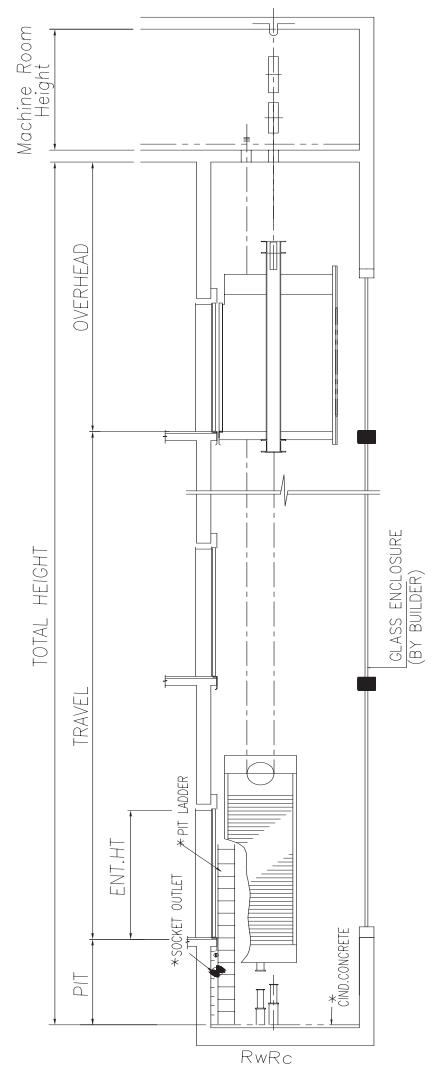
Panoramic - 1 Side View



Hoistway & Machine Room Plan
(Simplex)

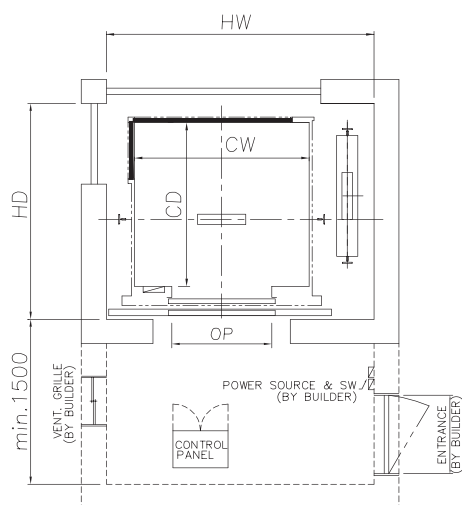


Hoistway & Machine Room Plan
(Duplex)

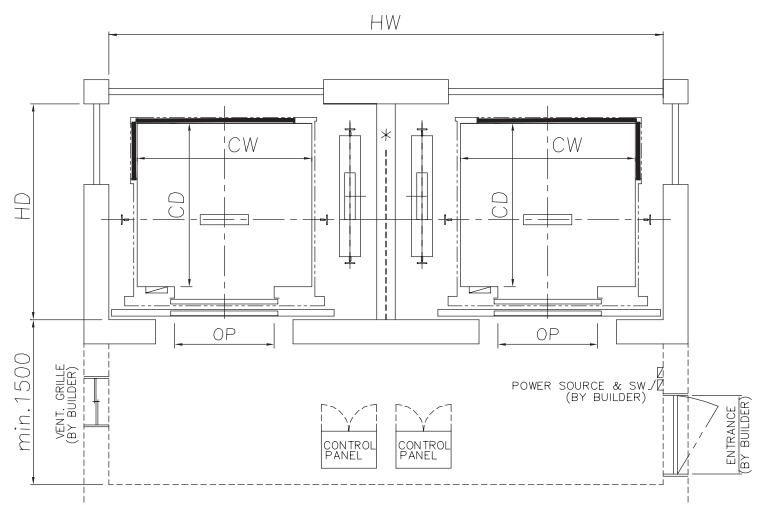


HOISTWAY SECTION

Panoramic - 2 Side Views



Hoistway & Machine Room Plan
(Simplex)



Hoistway & Machine Room Plan
(Duplex)

Panoramic (SPEED : 1.0~1.75m/s)

[unit : mm]

Speed	Persons	Load	OP	Car Insize		Hoistway				Reactions		Motor Capacity [kW]	M/C Room	Overhead	PIT
						Single(1unit)		Duplex(2units)		R1(Car)	R2(C.wt)				
[m/sec]	P	[kg]	[mm]	CW	CD	HW	HD	HW	HD	[kg]	[kg]				
1.0 1.5 1.75	6	450	800	1400	850	2200	1450	4550	1450	4000	3100	3.7 / 6.3 / 7.3	2400	4500 / 4600 / 4700	2000 / 2300
	7	550	800	1400	1050	2200	1600	4550	1600	4300	3400	3.7 / 6.3 / 7.3	2400	4500 / 4600 / 4700	2000 / 2300
	8	600	800	1400	1100	2200	1700	4550	1700	4500	3500	3.7 / 6.3 / 7.3	2400	4500 / 4600 / 4700	2000 / 2300
	8	630	800	1400	1150	2200	1800	4550	1800	4600	3600	3.7 / 6.3 / 7.3	2400	4500 / 4600 / 4700	2000 / 2300
	9	700	800	1400	1250	2200	1850	4550	1850	4700	3700	5.0 / 8.0 / 9.0	2400	4500 / 4600 / 4700	2000 / 2300
	10	800	800	1400	1350	2200	1950	4550	1950	5000	4000	5.0 / 8.0 / 9.0	2400	4500 / 4600 / 4700	2000 / 2300
	12	900	900	1600	1350	2400	1950	4950	1950	6300	4400	6.7 / 10.0 / 11.7	2400	4500 / 4600 / 4700	2000 / 2300
	13	1000	900	1600	1500	2400	2100	4950	2100	6700	4700	6.7 / 10.0 / 11.7	2400	4500 / 4600 / 4700	2000 / 2300
	15	1150	1000	1800	1500	2800	2100	5750	2100	10100	6000	7.3 / 11.0 / 12.8	2400	4500 / 4600 / 4700	2000 / 2300
	18	1350	1000	1800	1700	2800	2300	5750	2300	10700	6500	8.6 / 12.9 / 15.0	2400	4500 / 4600 / 4700	2000 / 2300
	21	1600	1100	2000	1750	3000	2350	6150	2350	12100	6700	10.2 / 15.2 / 17.8	2400	4500 / 4600 / 4700	2000 / 2300
	26	2000	1100	2000	2000	3000	2600	6150	2600	12900	7100	13.4 / 20.0 / 23.4	2400	4500 / 4600 / 4700	2000 / 2300

Panoramic (SPEED : 2.0~2.5m/s)

[unit : mm]

Speed	Persons	Load	OP	Car Insize		Hoistway				Reactions		Motor Capacity [kW]	M/C Room	Overhead	PIT
						Single(1unit)		Duplex(2units)		R1(Car)	R2(C.wt)				
[m/sec]	P	[kg]	[mm]	CW	CD	HW	HD	HW	HD	[kg]	[kg]				
2.0 2.5	12	900	900	1600	1350	2400	1950	4950	1950	6300	4400	13.4 / 16.7	2500	5000 / 5500	2100 / 2400
	13	1000	900	1600	1500	2400	2100	4950	2100	6700	4700	13.4 / 16.7	2500	5000 / 5500	2100 / 2400
	15	1150	1000	1800	1500	2800	2100	5750	2100	10100	6000	14.6 / 18.3	2500	5000 / 5500	2100 / 2400
	18	1350	1000	1800	1700	2800	2300	5750	2300	10700	6500	17.1 / 21.4	2500	5000 / 5500	2100 / 2400
	21	1600	1100	2000	1750	3000	2350	6150	2350	12100	6700	20.3 / 25.4	2500	5000 / 5500	2100 / 2400
	26	2000	1100	2000	2000	3000	2600	6150	2600	12900	7100	26.7 / 33.4	2500	5000 / 5500	2100 / 2400

Note

- Above dimensions in table shall be under the following conditions
1) Door opening : 2panel Center opening (2P-CO), 2) No. of Door in Car : 1Car 1Door
- OH, PIT dimensions shall be under the following condition
Entrance Height : 2100mm, Cab Height : Manufacturer's standard

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Technical Features

● : Standard ○ : Option

Feature	Description	Remark
Full collective selective	In automatic running or attendant state, this function enables the elevator to respond both car calls and hall calls. Passengers at any service floor can call the elevator by pressing the up call button and down call button.	●
Anti-nuisance function	The system automatically judges the number of passengers in the car and compares it with the number of registered car calls. If there are excessive car calls, the system determines that it is nuisance and cancels all car calls. In this case, passengers need to register correct car calls again.	○
Car Call Cancellation	Passengers can press the button consecutively twice to cancel wrong calls.	●
Turn Off of Car Light and Fan	If there is no running command within the set time, the system automatically cuts off the power supply to the lamp and fan in the car.	●
Full-load direct running	When the car is full-loaded in automatic running state, the elevator does not respond to hall calls from the passing floors. These halls calls, however, can still be registered, and will be executed at next time of running (in the case of single elevator) or by another elevator (in the case of parallel/group control).	●
Overload protection	When the car load exceeds the rated elevator load, the elevator alarms and stops running.	●
Button stuck check	The system can automatically identify whether a hall call button is stuck and cancel the stuck call, preventing the condition that the elevator cannot close and run due to stuck hall calls.	●
Repeat door close	If the door lock is not applied after the elevator performs door close for a certain time, the elevator automatically opens the door and then closes the door again.	●
Automatic door open upon door lock abnormality	If the system detects that the door lock circuit is abnormal during door open/close, the elevator automatically opens and closes the door again, and reports a fault after the set door open/close times is reached.	●
Door open time setting	The system automatically determines different door open time for door open for call, command, protection, or delay according to the set door open holding time.	●
Arrival gong disabled at night	Within the set time period, the arrival gong is disabled.	○
Landing at another floor	If the door open time exceeds the door open protection time but the door open limit signal is still inactive, the elevator closes the door and then automatically runs to the next landing floor.	●
Voice Announcement	The elevator automatically announces information such as the running direction and next arriving floor during running.	●
Forced door close	When the door fails to close within the set time due to the action of the light curtain or safety edge, the elevator enters the forced door close state, closes the door slowly, and gives a prompt tone.	○
Parallel / Group control	The system supports parallel control of two elevators / group control of more than three elevators	○
Micro Leveling	After landing at a floor, the elevator may move upward or downward due to the load change and the car door is not aligned with the ground, which is inconvenient for in and out of passengers and goods. In this case, the system allows the elevator to run to the leveling position in the door open state at the leveling speed.	○
Light curtain signal judgment	If the door is blocked by stuff during door close, the light curtain acts and the elevator opens the door. This function is invalid in fire emergency state.	○
Power failure emergency evacuation	For the elevator configured with standby power supply, the system uses the standby power supply (ARD System) to implement low-speed self-rescue in the case of power failure.	○
Residential monitoring	The control system can be connected to the terminal in the monitoring room. By using the NEMS software, you can view the floor position, running direction, and fault state of the elevator.	○
Parking Operation	In order for park the elevator, if the parking key is on position the car stop at the specified floor after finish servicing of all of registered call. After the car stops at the specified floor, the car light and fan are off automatically and every buttons both on the car operating panel and hall button box are no more available.	○
Fire return Operation	In case of fire every cars should be returned to the specified floor in order to evacuate passengers safety.	○
Fireman Operation	In case of fire, a fireman can use the elevator which is stopped at the specified floor in order to support fireman for fire-fighting.	○

Power Supply plan

Speed [m/s]	Load [kg]	Speed [m/s]	Motor Capa. [kW]	N.F.B [A]	Transformer [kVA]	Lead-in Wire [mm ²]	Earth Wire [mm ²]
1.0 1.5 1.75	450		3.7	16	5.9	1.5	1.5
		1.5	6.3	32	11	4	4
		1.75	7.3	32	11	4	4
	550	1	3.7	16	5.9	1.5	1.5
		1.5	6.3	32	11	4	4
		1.75	7.3	32	11	4	4
	630	1	3.7	16	5.9	1.5	1.5
		1.5	6.3	32	11	4	4
		1.75	7.3	32	11	4	4
	680	1	5	25	8.9	2.5	2.5
		1.5	8	40	17	6	6
		1.75	9	40	17	6	6
	750	1	5	25	8.9	2.5	2.5
		1.5	8	40	17	6	6
		1.75	9	40	17	6	6
	900	1	6.7	32	11	4	4
		1.5	10	40	17	6	6
		1.75	11.7	50	21	6	6
	1000		6.7	32	11	4	4
		1.5	10	40	17	6	6
		1.75	11.7	50	21	6	6
	1150	1	7.7	40	17	6	6
		1.5	11.5	50	21	6	6
		1.75	13.5	50	21	6	6
	1350		9	40	17	6	6
		1.5	13.5	50	21	6	6
		1.75	15.8	63	24	10	10
	1600		10.7	40	17	6	6
		1.5	16	63	24	10	10
		1.75	18.7	80	30	10	10
	2000		13.4	50	21	6	6
		1.5	20	80	30	10	10
		1.75	23.4	80	40	16	16
2.0 2.5	630	2	8.4	40	17	6	6
		2.5	15	50	21	6	6
	680	2	12.5	50	21	6	6
		2.5	15	50	21	6	6
	750	2	12.5	50	21	6	6
		2.5	15	50	21	6	6
	900	2	13.4	50	21	6	6
		2.5	16.7	63	24	10	10
	1000	2	13.4	50	21	6	6
		2.5	16.7	63	24	10	10
	1150	2	15.4	63	24	10	10
		2.5	19.2	80	30	10	10
	1350	2	18.0	80	24	10	10
		2.5	22.5	100	40	16	16
	1600	2	21.4	80	30	10	10
		2.5	26.7	100	40	16	16
	2000	2	26.7	100	40	16	16
		2.5	33.4	100	57	25	16

Heat Output of Machine

Room Kcal/H = F x L x S

L : Rated Load [kg] F : Factor(1/40)

S : Rated Speed [m/min] *cal = 4.2J

H : Hour

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Works by Others

Work by Others

The works below are not included in the elevator installation work and should be carried out by building contractors in accordance with our drawing, relevant international or codes and regulations.

Hoistway

- A properly framed and enclosed hoistway, including any ventilation as required by the governing code or authority.
- A dry pit constructed to the elevator manufacture's specifications to reinforce or sustain any vertical forces on the guide rails impacted loads from the car and counterweight buffers.
- A metal still angle or concrete haunch across the full width of the hoistway at each elevator landing.
- Provision of steel bars to fix jamb around the entrance of each floor.
- All cutting, including cutouts to accommodate hall signal fixtures, patching, painting of wall, floors, or partitions, together with finish painting of entrance doors and frame, if required.
- Provision of entrance or ladder for pit access.
- Supply and installation of fascia plate
- Installation of emergency exits and electric wiring in blind sections of hoistway where required.
- the tolerance of emergency exits and electric wiring in build sections of hoistway where required.
- The tolerance of perpendicular line over the whole hoistway height must not exceed $\pm 30\text{mm}$.
- A waterproof outlet and light fixture in the elevator pit area with the light switch being located adjacent to the access door ladder.
- Suitable light fixture and convenience outlet in the pit with a light switch adjacent to the access door or ladder. The receptacles shall have protection for ground.

Machine Room

- Provision of wiring between controller and building management system.
- A construction hoisting beam or hook, if require, with the correct location and size as determined by elevator contractor for each hoistway.
- Noise insulation should be installed between machine room and adjacent residential area.
- A suitable machine room with legal access, ventilation and concrete floor . The temperature in the machine room should be maintained between 5°C and 40°C Relative humidity should not exceed 90%(monthly) and 95%(daily) non-condensing. Ventilation fan or air conditioner should be provided as per heat dissipation by the elevator contractor.
- The size of entrance shall be min. 1000mm(w) X 2000mm(H).
- Installation of lead-in wire and earth wire between building main power board and room incoming distribution board. However, machine room lighting source supply shall be install separately.
- Provision of suitable light fixture and convenience outlets in the machine room.

Miscellaneous

- Wiring and piping between each machine room and monitoring system.
- Machine room and hoistway shall be free or harmful gas.
- All electric power for lighting, tools, welding, etc during installation.
- All single phase receptacles installed in machine room, pit and machinery spaces shall ground fault circuit interrupter protection.
- Fire detector for emergency operation.
- A secured area for storage of elevator equipment and materials during installation.

Elevator Confirmation Sheet

Project Name: _____
 Q'ty: _____
 Date: _____
 Confirmed by Customer: _____

Elevator type :

Rated Speed: _____ [m/sec]

Rated Load: _____ [kg]

No. of Building; _____

No. of Stop: _____

Total Height []mm

= Travel + OH + PIT = []+[]+[]mm

Hoistway Size (W x D) [w]mm x [d]mm

Car	Ceiling Type	
	Car Wall	
	Car Door	
	COP type	
	Hand Rail	
	Flooring	
	Car Insize	[w]mm x [d]mm

Landing	G Floor		TYP.FLs
	Landing Door		
	JAMB	Type	
		Material	
	JAMB Width		
	Hall Button		
	HPI	Horizontal	
		Vertical	

Reamrk & Options

