

**FUJIHD**<sup>®</sup>  
Sino-Japan joint venture

**Lifting the world with ease**

## HENGDA FUJI ELEVATOR



Passenger elevator series  
Freight elevator series  
Escalator / Moving walk

### HENGDA FUJI ELEVATOR CO., LTD.

Add: No.688.Lianxi Road, Lianshi Town, Nanxun, Huzhou, Zhejiang, China  
Tel: 0086-572-3061000 Fax: 0086-572-3651211  
Mob: 0086-13587250007 Skype: hengdafuji  
Web: www.fujihd.net E-mail: export@hengdafuji.com



**HENGDA FUJI ELEVATOR CO., LTD.**  
A Class National Manufacturing Enterprise

tell!

This public is for general informational purposes and we reserve the right at any time to alter product design and specification. No statement contains should be construed as a warranty or condition, express or implied, as to any product, its fitness for any particular purpose or quality, or any modifications or representation of the terms of any purchase agreement.



# Industrial Intelligent Of 4.0 Factory Set Sail

The company has awarded dozens of titles and qualifications like "Standing Council Unit of China Elevator Association", "National Special Equipment Installation and Transform AA-class license", "National hi-tech Enterprise", "High and New Technology Research and Development Center in Zhejiang Province", "Patent Demonstration Enterprise in Zhejiang", "Well-known firms in Zhejiang Province", "Zhejiang Famous Brand Certificate", "Zhejiang Provincial Enterprise Technological Center" and so on.

HENGDA FUJI Elevator Co., Ltd holds double-A qualification which are the National Special Equipment Manufacturing License and Installation Maintenance License approved by the State Administration for Industry and Commerce of the National Professional Elevator Manufacturing Enterprise. With registered capital of 300 million RMB, the company was founded in 1987, in nearly 30 years development course, HENGDA FUJI has been into a period of innovation and development in building domestic machine elevator brand in the scale of production, and becoming one of the largest enterprises of the annual sales in market share.

Industrial intelligent 4.0 formal of a new factory set sail! As the largest, and the most advanced machine equipment modern large manufacturing base in zhejiang province, the company has developed rapidly based on the independent R&D and innovation technology. Set up the product research and development center, focus on new product development, technical innovation, we uphold the faith which is dedicated to providing our customers with high-quality products and first-class service. The quality of the products from designing to manufacturing, from installation to services, are strictly controlled. To provide customers with cost-effective elevator products, also reflects the responsibility for their own deep concern and commitment!

The company, which is based on scientific and technological innovation, has won the "two-way dynamic solar photovoltaic elevator" approved by the state Patent Office for more than one hundred invention patents and utility model patents. At the same time, dozens of invention patent which are under examination and approval have been accepted.

With the ideal of harmonious integrity mutual gratitude, HENGDA FUJI Elevator provides nanny services with preferential prices to achieve a win-win development. Our joint efforts is to make families enjoy a more security, environmental, comfortable of elevator delivery provided by HENGDA FUJI Elevator.

Invested nearly 1 billion RMB, the four stages of the project covers an area of nearly two hundred mu, with total construction area of 80000 square meters, has a new type of vertical elevators, escalators, automatic sidewalks, article 6 of the world's advanced fully automated production line, R&D center, intelligent office building and 150 meter-high elevator testing tower equipped elevator with speed of 10 meters per second. Intelligent layout in accordance with the standards of world class factory, taking lead in introducing industrial 4.0 concept, making the production capacity is improved that the annual output of 50000 sets of all kinds of elevator machine, 5000 sets of parking equipment and 20000 sets of elevator accessories production capacity.





# Introducing International Top Equipments And Make “made In China” affect The World



Optical fiber laser cutting machine production line



Its wall automated assembly line



CNC bending machine



Italy imports sarwar Nineveh flexible sheet metal processing production line



Escalator production workshop



German imports Wagner electrostatic powder coating production line



KUKA robot in Germany

Existing in zhejiang province as the largest and the most advanced machine equipment of the modern large manufacturing base.

Company introduced a close, and a series of the world's leading fully automated production lines, will be fully implemented 4.0 intelligent manufacturing industry, also reveals the enterprise in the field of "machine substitution" solid results.

Achieve the annual output of 50000 sets of all kinds of elevator machine, 5000 sets of parking equipment and 20000 sets of elevator accessories production capacity.



# The brilliant course mold supreme quality

HENGDA FUJI keep pace with you, and develop together. Towering temper, come a powerful journey of glory!

HENGDA FUJI Elevator always adhere to the quality consistent product manufacturing standards and transcend the service standard of the industry, integrating global resources with high quality. Standing in the stage of new era, HENGDA FUJI Elevator creates a unique brand of high-end elevators with higher attitude and idea for global customers to provide distinguished elevator products and services.



Enterprises to achieve restructuring, bear the courage for the first, to climb the peak of the industry mission.



Enterprises to achieve cooperation with foreign technology, the introduction of advanced control technology, changed its name to Zhejiang Hengda Fuji Elevator Co., Ltd.

And further integration of foreign negotiations, to achieve technical and capital cooperation in the field of consistency, renamed the Sino-foreign joint venture Zhejiang Hengda Fuji Elevator Co., Ltd.



Investment 180 million yuan, covering nearly 100 acres, the experimental tower height of nearly 100 meters of modern three plant completed and put into production.

National first solar lifts. The company won the Zhejiang provincial patent demonstration enterprises and provincial high-tech enterprise R & D center.



In the industry took the lead in the use of Internet of things monitoring system, effectively strengthen the remote control of the elevator operation to ensure that the elevator products run well.



Won the Huzhou City Science and Technology Progress Award, Huzhou City, the three strong industrial, export trade services, advanced trade enterprises, the top ten industrial tax and so on the title of industrial enterprises.

1993

2004

2012

2014

2016

1987

1998

2009

2010

2011

2013

2015



Huzhou Hengda elevator factory was established to create a "Hengda" brand new brilliant road.



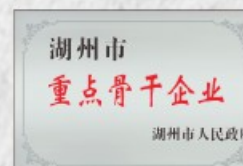
Enterprise changed its name to Zhejiang Hengda Elevator Co., Ltd.



The company capital increase to 120 million yuan, officially changed its name to Hengda Fuji Elevator Co., Ltd.



To carry out cooperation with China's well-being listed companies business model; won the national high-tech enterprises, all-round to enhance the level of production technology and scientific research and innovation capacity, to the first-line elevator brand manufacturing enterprises forward.



Won the key enterprises and developed into a scale above the enterprise representatives of HuZhou City.



Heng Fu Group's another embodiment of the German brand and skills of the "public elevator" came into being, opened the group multi-brand, multi-industry operation of the new model.



Won the labor relations harmonious enterprises, the elevator industry ten most competitive ladder brand, to win more market development initiative at the same time improve the overall strength of the enterprise.



## Environmental protection



We have made great efforts in environmental protection to make effective use of resources. Our products can effectively save energy and reduce emissions, creating a green environment. Our worldwide production base meets the latest international environmental standards.

### 1

#### Intelligence system the genius in the city

Integral control system represents the developing orientation of the elevator control system. It is a new generation of intellectual vector type integral control system. It covers distance control, direct parking, closed-loop vector control technology, CANBUS communication technology, multi-CPU running technology and applies C and assembly language programming. It perfectly combines the contemporary industrial control technology, communication technology and traditional elevator. Compared with the traditional elevator control system, it brings about a high price and performance ratio and more convenient maintenance.

### 2

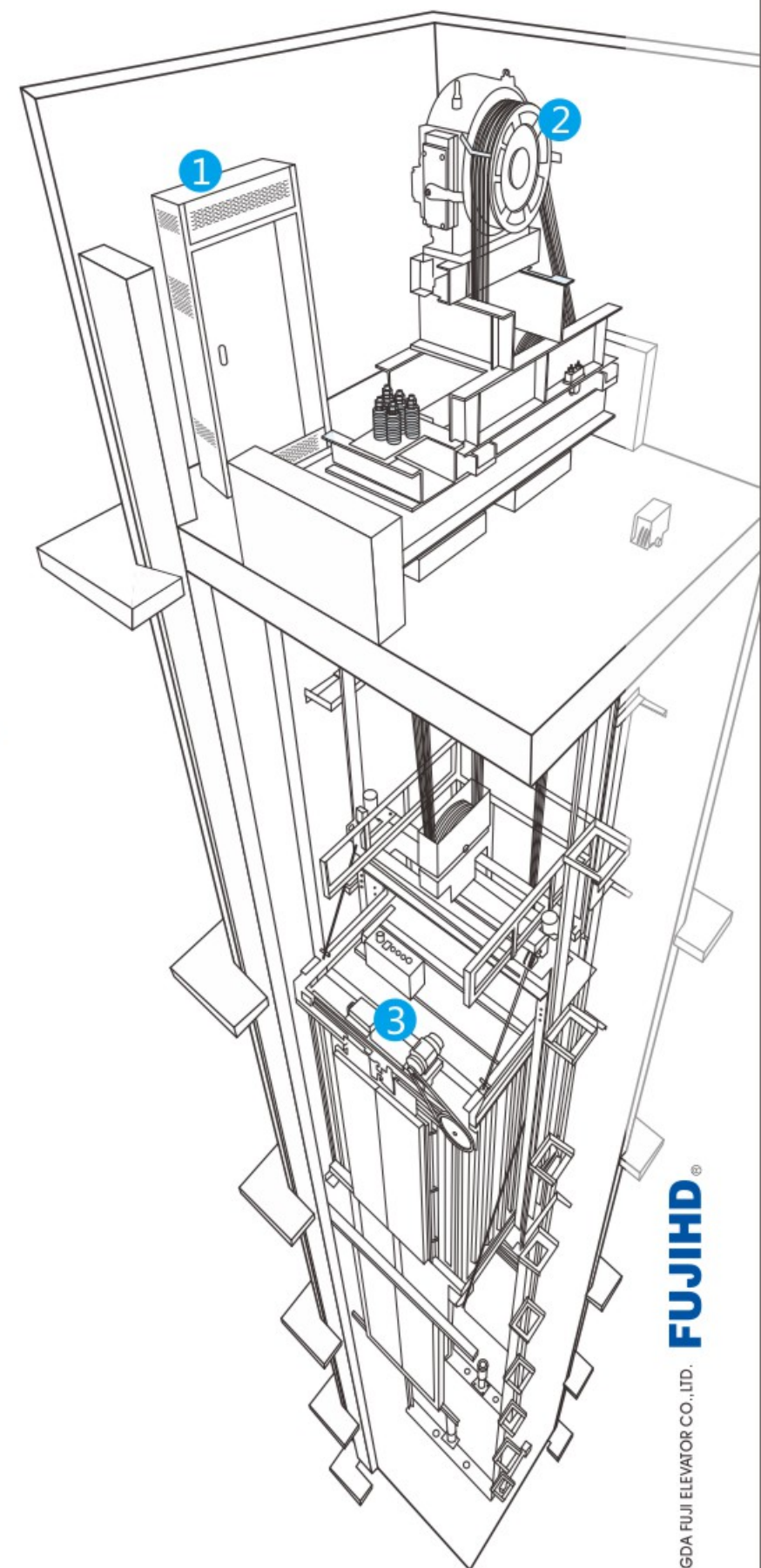
#### Permanent magnet synchronous gearless traction machine

We choose rare earth material and fully combine coaxial transmission technology and digital variable frequency technology with group computer combined control technology. With less running cost & less energy dissipated. Compared with the ordinary and traditional technology, Gearless traction machine can save more than 33% of the energy. Gearless traction machine needs no renewal of lubricant, No grease pollution, low noise, quiet & natural.

### 3

#### Top advanced door operator system

HENGDA FUJI elevator applies the advanced VVVF variable voltage and variable frequency control technology to the elevator door operator system so as to ensure the smooth elevator door and quiet switch. What is more, the self-learning door load detector increases the sensitivity of the elevator door switching on/off. It monitors the variation of elevator door load on every floor. Automatically rectifying the most appropriate open shut speed in every floor so as to guarantee the security and reliability.



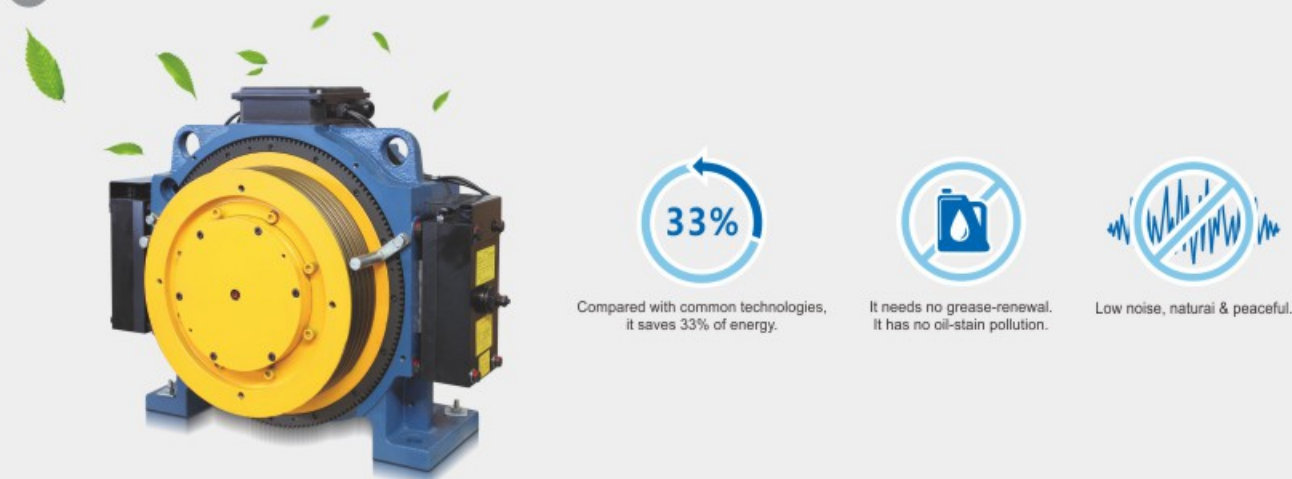


## Green energy saving

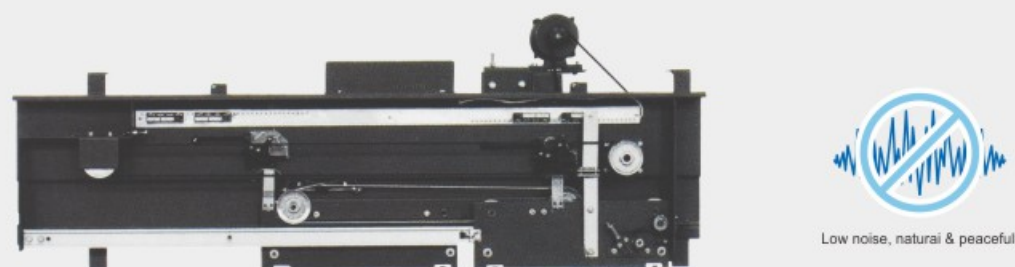
1



2



3



## Green energy saving

### Automatic lighting of LED energy-saving lamp

We use energy-saving LED lamp. When nobody uses the elevator, the lighting in the car will turn off automatically & automatically turn on once receiving any calling commands. Saving the electricity energy consumption sufficiently.



### Sterilization function

Applying advanced environment protection technology, PM2.5 dust in the air etc. will from to molecular clusters and sink to the ground by anion. It will lessen the bacterial survival ability or kill bacteria. Timing sterilizing and air cleaning improve the cabin environment.



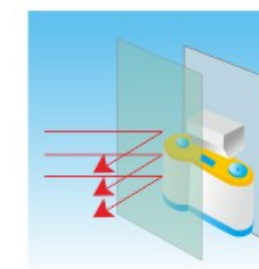
### Energy feedback system

Energy regenerating feedback technology of LHEC can recover and re-use as high as 30% energy that has been consumed by the elevators. Especially in the elevator no-load up-motion or full-load down-motion, the electric energy that has been produced by the motors is transformed into resistance heat and only be wasted in vain. Energy regenerating feedback device converts electric energy into normal current that coincides with electric grid. Therefore these newly-produced current can be used in other power equipments in the building. It fulfills a genuine energy-saving effect.



### Electromagnetic compatibility without interference with each other

HENGDA FUJI passenger elevator control system fully abides by the relevant electro-magnetic compatibility standard, removes the electro-magnetic pollution, effectively prevents from the electromagnetic wave interference between the elevator signals and various precision electrical equipments in the building.





# Operation management

## Safety of our products and services

Elevators and escalators are among the safest modes of travel. HENGDA FUJI is actively involved in the development of codes and standards that aim to further improve the safety of the equipment. We also promote safety through our participation in industry trade associations, and offer additional safety devices that exceed the minimum requirements.

We enhance the safety of HENGDA FUJI products and services through rigorous attention to our design, manufacturing, installation, and maintenance processes. Safe practices are promoted for our employees and subcontractors, as well as for customers and people who use our equipment.

Modernization keeps elevators, escalators and automatic doors running smoothly throughout the lifetime of your building. It ensures that equipment works safely and reliably with minimum disruption. With small upgrades your old equipment can be brought up to date with the latest safety standards.

## User safety

We are strongly committed to safety and work closely with the people who rely on our products for safe and smooth transport as they go about their day. One way we promote safety is by organizing annual events that give people the opportunity to get to know how elevators and escalators operate and how to use them safely.

Enhancing elevator and escalator safety is a joint effort. Technology providers must manufacture equipment that meets applicable codes and standards. Building owners and maintenance service providers have a responsibility to make sure the equipment is professionally maintained and kept in good condition.

Elevator and escalator users also need to pay attention to their own behavior. For example, children should be properly supervised when using both elevators and escalators, and large items such as baby strollers, heavy luggage, or shopping carts should not be transported on escalators.

## Safety of our employees

At FUJIHD, we focus on making sure every one of our employees has the necessary competence to perform their work in a professional and safe manner. All employees receive training to a general level in health and safety, as well as training relevant to their respective work roles and tasks.

Every manager is responsible for ensuring that all necessary arrangements are in place to protect the safety of their teams. Employees and subcontractors follow the defined rules and methods to ensure the safety of themselves and anyone else who may be affected by their activities.

Members of the senior management teams periodically participate in workplace safety audits, and immediate corrective actions are taken if deviations are identified. If obstacles to safe working are identified, the work in question stops until a safe way to continue has been approved.

To support continuous improvement in FUJIHD's safety performance, a procedure is in place to report and investigate accidents. The underlying root causes are identified and corrective actions implemented to ensure that the accident or near-miss incident is not repeated. As a result, we have improved our safety performance steadily over the years.

FUJIHD organizes quarterly global safety network meetings to share lessons learned from accidents and near-miss incidents. The meetings also serve as a forum for sharing good practices and discussing concerns.





# Operation management

## Elevator object network monitoring system

Elevator networking is to solve the current elevator safety issues proposed concept, data acquisition part, data transmission part, the central processing part and application software together constitute a complete elevator object monitoring system.

Acquisition instrument to collect the elevator running data analysis and upload to the Internet monitoring center, combined with platform application software, in order to achieve the relevant units of the elevator real-time effective supervision and maintenance.



## Testing center

We have professional testing equipment 11, to undertake the detection of elevator locks, door machines, floor doors, speed limiters, photoelectric switches, buttons, traction wire rope, escalator roller, handrail, metal mechanical properties, salt spray test project 20 Balance item According to the development needs, the testing center this year will also plan to introduce a number of vibration testing equipment and other testing equipment, and constantly expand the scope and ability to detect. Testing Center in the "scientific management, standards, objective and fair, accurate and timely" approach, strict control management, to meet the company's production and quality inspection needs, but also have other users to provide the same project testing services.



**FUJIHD**  
Sino-Japan joint venture

We provide you with the best solution

**Vertical traffic  
system full-plan  
supplier**



## FUJIHD the best solution — Residence



Passenger elevator



Observation elevator

Anhui Lu An Baizhuang·spring Blossom

FUJIHD®



- Date of Completion: 2016
- Location: An Hui, China
- Product: 55 sets of Machine room-less elevator, 8 sets of Small Machine room elevator

LU AN BAIZHUANG SPRING BLOSSOM IS LOCATED IN bridge tower which is in the north direction of development, the project east face to MEISHAN road, west to the p.i river road, south next to LIUYUAN road, north depends on planning YAOLI road, adjacent to the 1.8 km water resources. The project covers an area of 266 mu, total construction area of 574000 square, plot ratio 2.68, 35% green area, residential area equipped with multi-layer elevator and senior houses and elegant amorous feelings, create a market of low density community quality scale, original ecological natural living environment.

Bring the residents back to the most casual life state, the layout of the entire park is clever, in all of landscape garden design, to fully demonstrate a kind of dynamic equilibrium composition, rare pure British classical architectural style, from British classical architectural style, recreate British dynasty aristocratic demeanor.

HENGDA FUJI Elevator provide 79 sets of intelligent high quality elevators for this project, promoting the quality of residential area, at the same time, provide users efficient, safe and reliable way of life. In addition, in the elevator product design fully consider the harmony of people and the environment, detail place is embodied humanistic care, to provide more comfort for enterprises in the project owner safe riding experience!

**FUJIHD®** Reliable Elevator Suppliers — Project Achievement

## FUJIHD the best solution — Office building



Passenger elevator



Observation elevator



Freight elevator



Car elevator



Hydraulic elevator

Tanzania- Mzizima Tower T1

Tanzania- Mzizima Tower T2



- Date of Completion: 2012
- Location: Tanzania

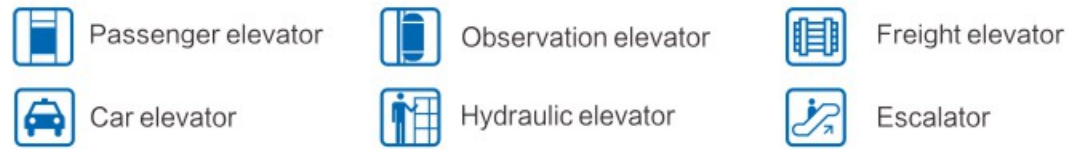
- Product: 38 sets of Machine room-less elevator

MZIZIMA TOWER was designed according to the comprehensive luxury residential and commercial building, covers an area of 4995 square meters, total construction area of 51780 square meters, building total height of 102.8 meters. Building with its spectacular, the modelling of imposing manner is grand and has contemporary feeling extremely, to add a landscape in Dodoma. Prominent European classical luxury grand design combined with modern taste, marked by the Roman beam and arch system, through the characteristics of line highlight its forceful high precision and in level, form, and combination of the space, to show the building with grand and memorial.

**FUJIHD®** Reliable Elevator Suppliers — Project Achievement



## FUJIHD the best solution — Hotel



Beirut-badaro Bulding

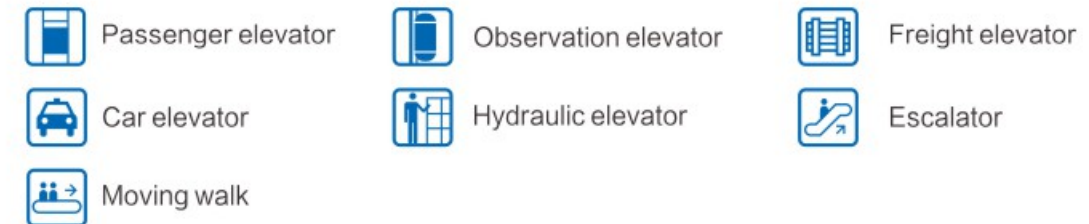


- Date of Completion: 2012
- Location: Beirut, Lebanon
- Product: 21 sets of Machine room-less elevator, 8 sets of Small Machine room cargo elevator, 10 sets of escalator

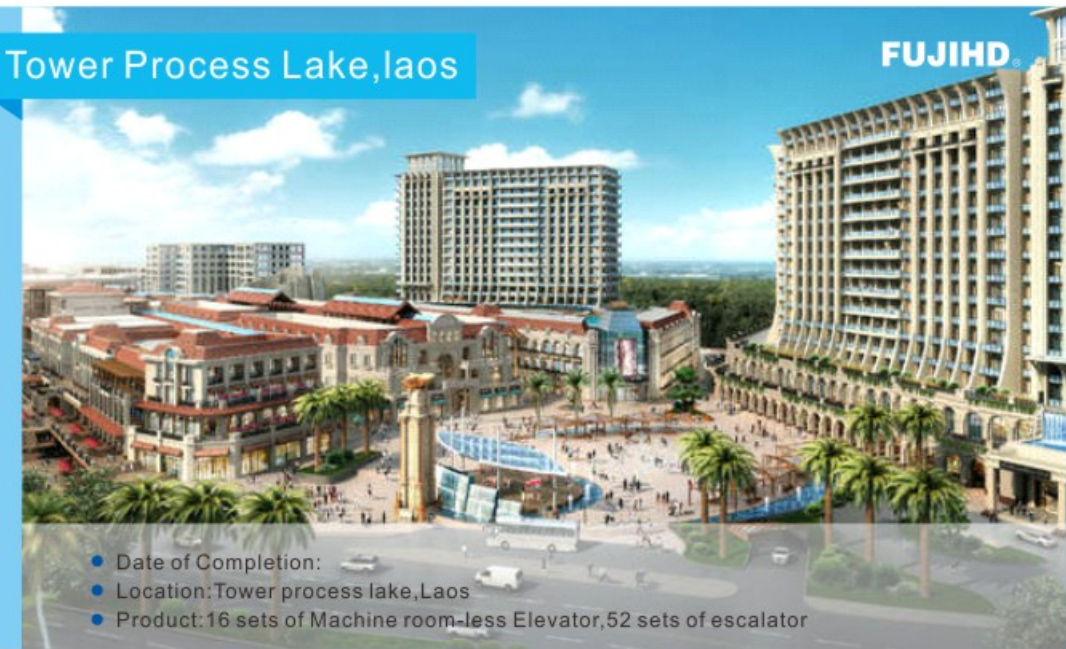
Beirut Badaro hotel is located in Beirut (Beirut) and provide elegant guest rooms, equipped with free wi-fi and a seasonal outdoor swimming pool. Warm badaro hotel provide comfortable accommodation for members of the royal family, celebrities and dignitaries from around the world for many years. Hotel enjoy the sea view, equipped balcony, bars and internal private parking lot. Some rooms have a rest area for guests to relax. Each room is equipped with bath, shower, bath robe, free private bathroom toiletries and a hair dryer. The hotel has 24 hours front desk. Hotel is located in Beirut wide beach promenade overlooking the Mediterranean coastal avenue (Corniche), from the Centre of Beirut, Beirut City Centre), the National Museum in Beirut (National Museum of Beirut) and including Beirut mart (Beirut Souks) and ham Street (Hamra Street), a popular shopping area has a pleasant walk or a short taxi ride.

**FUJIHD**® Reliable Elevator Suppliers — Project Achievement

## FUJIHD the best solution — Shopping center



Tower Process Lake, Laos



- Date of Completion:
- Location: Tower process lake, Laos
- Product: 16 sets of Machine room-less Elevator, 52 sets of escalator

Laos tower process lake project is a huge city complex that gathered catering, retail, leisure, entertainment, tourism and multiple construction style hotel group and serviced apartment. On the planning project of the river landscape resources, integrated peripherals convenient traffic system, organize reasonable interior traffic system, building project subject characteristic, to cater the whole new town development orientation. Make a perfect and interesting design on space construction, to combine a fashionable street block of top grade special catering, entertainment, tourism, culture display, brand shopping and resort hotel and serviced apartment.

**FUJIHD**® Reliable Elevator Suppliers — Project Achievement



## FUJIHD the best solution — Hospital



People's Hospital, yubei District, chongqing

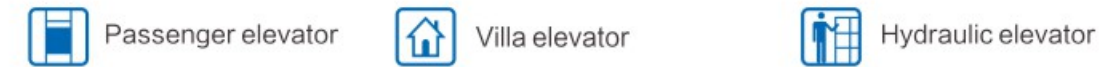
FUJIHD



Yubei District people's hospital in Chongqing is an integrity national second-class hospital with a history of over 60 years, combine medical treatment, teaching, scientific research, prevention, health care and so on, and is the medical technical guidance center of business and emergency medical center of the whole district. Contain 400 employees, including 320 technician, 5 senior titles, 56 deputy high title, 92 middle title, 10 master degree candidate. Hospitals authorized bed of 265 sets, open 360 beds. Annually outpatient service over 250000 person-time, annually receive and cure inpatient more than 20000 cases.

FUJIHD® Reliable Elevator Suppliers — Project Achievement

## FUJIHD the best solution — Home use



Yosemite Villa Zone

FUJIHD



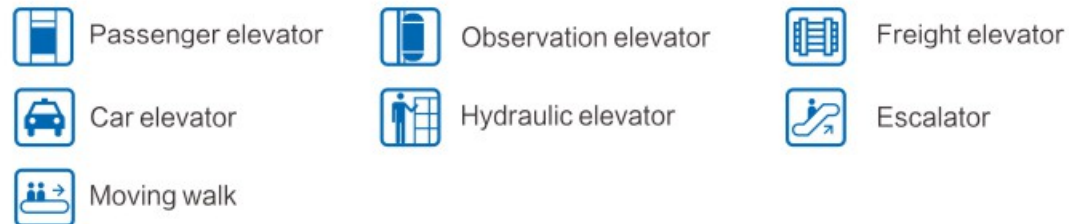
Yosemite club and villas are invested by SHANDONG LUNENG group, Yosemite villa covers an area of 1000 mu, possess 455 sets of villas and 80 sets of apartments, there will be another 136 sets of new Chinese style villa later. Yosemite is the start of your dream. Yosemite has convenient traffic, close to JINGSHUN road, JINGCHENG high-speed, airport high-speed, can reach capital airport or city center business district very fast.

One thousand mu scale only cover single-family, private courtyard, enjoy nature, hug neighborhood.

FUJIHD® Reliable Elevator Suppliers — Project Achievement



# FUJIHD the best solution — Infrastructure



## Muscat International Airport



- Date of Completion: 2011
- Location: Muscat, Oman
- Product: 16 sets of Freight Elevator

Muscat International Airport (Seeb International Airport; intermediate code: MCT; four word code: OOMS) (formerly called: Seeb International Airport) is one of the main Airport in Oman Muscat. The airport is the airline hub airport. From the old Muscat 30 km and mainly residential area 15 kilometers. This airport is in expanding and modernization. The airport will increase from twelve million to forty-eight million. On February 1, 2008, the airport was renamed Muscat international airport.

**FUJIHD**® Reliable Elevator Suppliers — Project Achievement

## Passenger Elevator-Profile

HENGDA FUJI small machine room passenger elevator only has about 65% ~ 70% of the traditional machine room. It greatly saves building space and material. Control cabinet in machine room is designed into single-face inspection layout. The host bearing beam can also be used as hitch plate. It largely saves the machine room space. Compared with the traditional elevators, under the premise of ensuring the repairers' operation space which is stipulated by the national standard, it effectively controls the machine room height. The intensive space effect grants more freedom for the architects. It expands the larger space utilization to the construction, perfectly merges the well space with the architectural style.

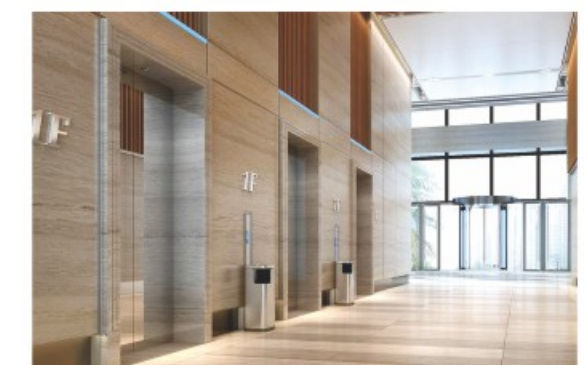
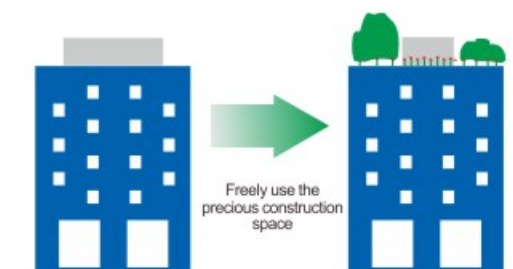


### Less space, faster construction

Compared with HENGDA FUJI small machine room elevator, machine room is only an extension of the elevator well. It brings about more convenient installation, the lower cost as well.

### Impressive energy savings

Compared with the traditional traction machine, HENGDA FUJI small machine room elevator consumes less energy and lower loss in heat energy.





## Passenger Elevator-Profile

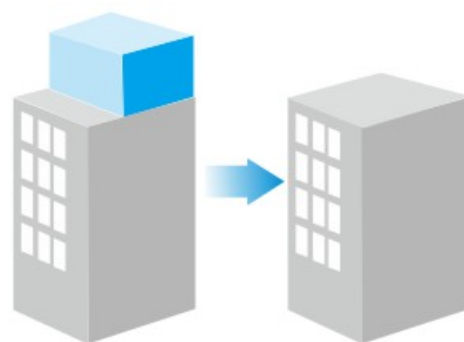


HENGDA FUJI machine roomless passenger elevator cancels the machine room, reduces total area of the elevator equipment and flexibly utilizes the effective space. It has stronger contemporary sense and more beautiful construction outline.

The host and control device are designed at the shaft top to prevent from occasional water-inlet in the shaft which damages the drive device. In this way, it guarantees a highly reliable system.

### Blended into the construction, easily and leisurely

HENGDA FUJI machine roomless passenger elevator need only one independent hoist-way and do not need the presence of machine rooms. Architects and develop-ers are allowed to conduct designing in a freer way.



We cancel the machine room to freely design the shaft position. We can flexibly and effectively apply the top space which was preset for machine room.

## Passenger Elevator Standard Car Decoration

The unique hairline stainless steel car made by HENGDA FUJI mixes with a distinctive ceiling creates exciting visual effects and bright contemporary look.



### HD-JX12

**Ceiling:** Diamond silver painted steel with acrylic photic board.  
(HD-DTA01)

**Car wall:** Hairline stainless steel

**Operating panel:** Integrated operating panel

**Handrail:** Stainless steel flat handrail

**Floor:** PVC  
(FJ-B01)



### HD-JX18

**Ceiling:** Simple paint roof with soft LED lighting  
(HD-DB01)

**Car wall:** Hairline stainless steel

**Operating panel:** Integrated operating panel  
(HD-C12)

**Handrail:** Stainless steel flat handrail

**Floor:** PVC  
(FJ-B01)



Landing door and jamb: Hairline stainless steel is adopted for the first floor and plastic jet steel plate is adopted for other floors.



## Passenger Elevator Car Decoration (optional)



**HD-JX06**

**Ceiling:** Mirror frame, supplemented by led on mirror stainless steel plate, the middle section is arched white plate light lighting design  
**Car wall:** Center plate mirror etched stainless steel, two flanks hair grain stainless steel  
**Handrail:** Stainless steel flat handrail  
**Floor:** Standard PVC(optional marble)



**HD-JX12-2**

**Ceiling:** Mirror stainless steel framework, acrylic arched top plate  
**Car wall:** On either side of the hairline stainless steel, wall after hair grain stainless steel and mirror etched combination  
**Floor:** Standard PVC(optional marble)



**FJ-JXA12**

**Ceiling:** Acrylic lighting decoration, stainless steel mirror  
**Car wall:** Stainless steel hairline, stainless steel mirror  
**Handrail:** Stainless steel hairline  
**Floor:** Standard PVC(optional marble)



**FJ-JXA13**

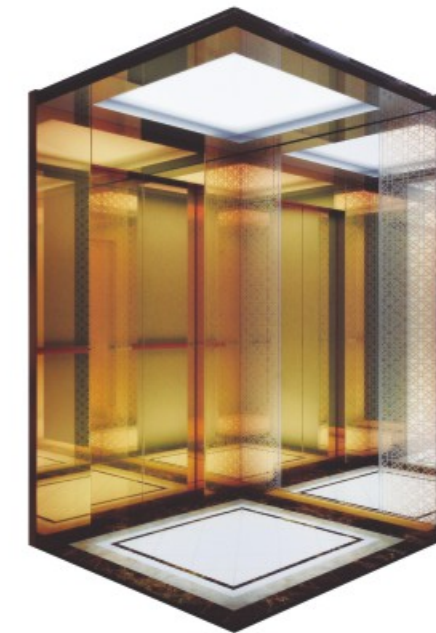
**Ceiling:** Acrylic lighting decoration, stainless steel hairline, down lamp  
**Car wall:** Etched mirror, stainless steel hairline  
**Handrail:** Stainless steel flat handrail  
**Floor:** Standard PVC(optional marble)

## Passenger Elevator Car Decoration (optional)



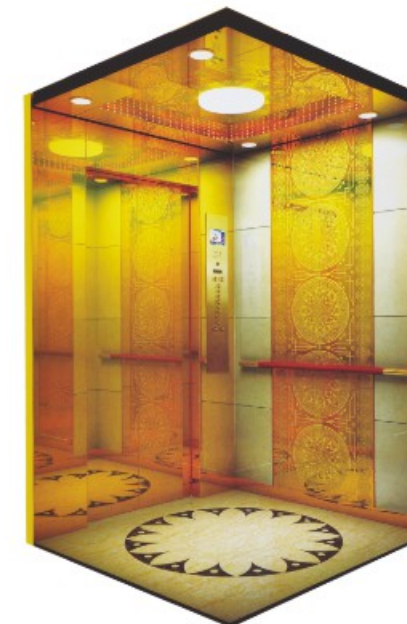
**FJ-JXA11**

**Ceiling:** Black titanium mirror stainless steel frame, down lamp, top panel LED discolor lighting  
**Car wall:** Stainless steel hairline, black titanium mirror  
**Handrail:** Stainless steel round tube  
**Floor:** Standard PVC(optional marble)



**FJ-JXA02**

**Ceiling:** Titanium gold stainless steel hairline  
**Car wall:** Etched stainless steel mirror plated with bronze color, glass mirror  
**Handrail:** Stainless steel round tube, wood handrail  
**Floor:** Standard PVC(optional marble)



**FJ-JXA01**

**Ceiling:** Titanium gold mirror frame, down lamp, etched titanium gold mirror, ceiling lamp  
**Car wall:** Marble, etched mirror, titanium gold mirror  
**Handrail:** Titanium-plated stainless steel round tube, wood round tube  
**Floor:** Standard PVC(optional marble)



**FJ-JXA03**

**Ceiling:** Titanium gold stainless steel  
**Car wall:** Combination of golden polystyle line, glass and titanium gold stainless steel  
**Handrail:** Hairline Stainless Steel with round type  
**Floor:** Standard PVC(optional marble)



# Observation Elevator

## Standard Car Decoration

The unique design fulfills charm grace and conciseness. Permeable luminance produces a sweet and bright atmosphere in the whole car reinforcing the overall space inside car, decent & harmonious.



## HD-GA01

Upper / lower hood	Upper / lower hood
Panorama wall	180°circular safety laminated glass
Decorative top	Painted steel framework, acrylic arch top plate
Car wall	Hairline stainless steel
Car door	Hairline stainless steel
Handrail	Φ25 stainless steel Tube
Floor	PVC

## Observation Elevator Car Decoration (optional)



## HD-GA02

**Upper/lower hood** : Painted steel  
**Panorama wall** : Laminated glass(3-PCS)  
**Decoration top** : Pintws steel framework, acrylic lighting decoration board, acrylic strip lighting decoration  
**Car wall** : Hairline stainless steel  
**Car door** : Hairline stainless steel  
**Handrail** : Stainless steel double-tube  
**Floor** : Standard PVC (optional marble)



## HD-GA03

**Upper/lower hood** : Mirror stainless steel press sill, red acrylic decoration cover  
**Panorama wall** : Laminated glass three pieces  
**Decoration top** : Painted steel framework, acrylic lighting decoration  
**Car wall** : Hairline stainless steel  
**Car door** : Hairline stainless steel  
**Handrail** : Stainless steel double-tube  
**Floor** : Standard PVC (optional marble)



## FJ-GA01

**Upper/lower hood** : Mirror stainless steel  
**Panorama wall** : Laminated glass  
**Decoration top** : Mirror stainless steel frame, roof light-emitting diodes (leds)  
**Car wall** : Mirror stainless steel frame  
**Car door** : Framed glass door  
**Handrail** : Stainless steel round tube  
**Floor** : Standard PVC (optional marble)



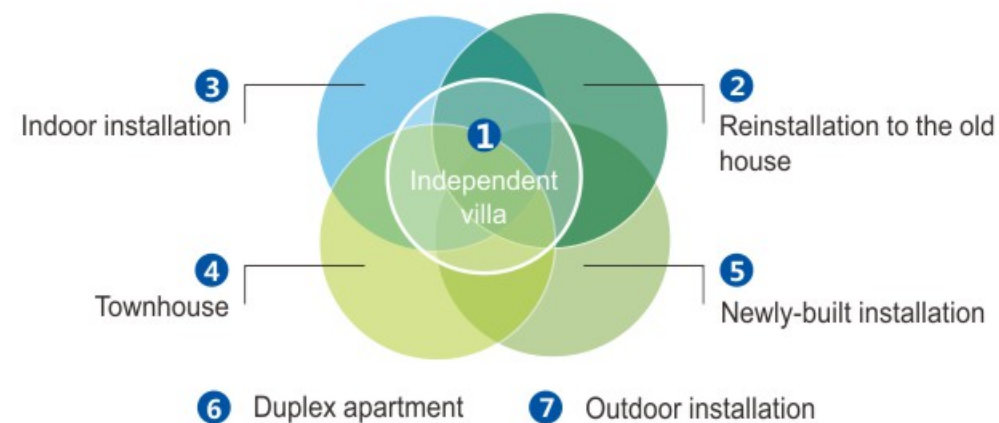
# Villa Elevator

HENGDA FUJI villa elevator adheres to the design idea of environmental protection and energy-saving and merges with the latest elevator technology nowadays in order to ensure safety and reliability of our products. The elegantly designed car, fine and exquisite craft and techniques show the outstanding performance and charm of HENGDA FUJI villa elevator.

"The journey scene" matches perfectly with the deluxe and fashionable villa. It is so comfortable and convenient in using HENGDA FUJI villa elevator. You will enjoy your noble life as well.



## Range of application



## Villa Elevator Car Decoration



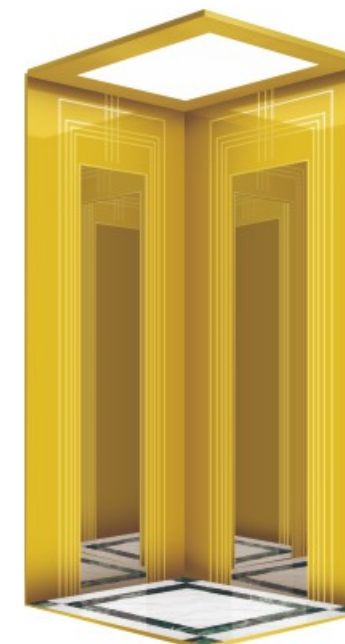
**HD-BT01** ( Standard )

**Ceiling:** Hairline stainless steel, tube light  
**Handrail:** Stainless steel  
**Car wall:** Hairline stainless steel  
**Floor:** Standard PVC



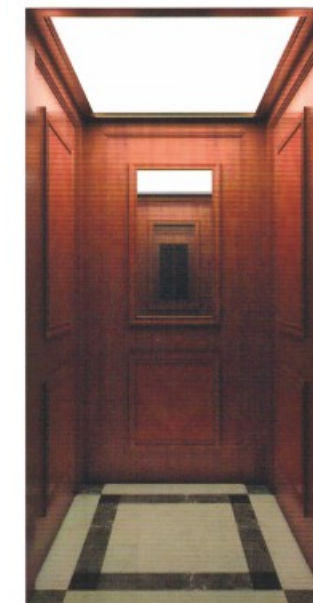
**HD-BT05** ( Optional )

**Ceiling:** Glazed stainless-steel frame, tube light  
**Handrail:** Stainless steel  
**Car wall:** Glazed / stainless steel, laminated glass  
**Floor:** Standard PVC (optional marble)



**HD-BT03** ( Optional )

**Ceiling:** Glazed stainless-steel frame, light-passing board  
**Car wall:** Titanium, etching, mirror  
**Floor:** Standard PVC (optional marble)



**HD-BT06** ( Optional )

**Ceiling:** Wooden frame, intermediate acrylic  
**Car wall:** Graining decoration / glass  
**Floor:** Standard PVC (optional marble)





## Bed Elevator Car Decoration



**HD-C04**  
Accessibility (Standard)



## HD-B02

(Optional)

<b>Car wall</b>	Painted steel
<b>Celling</b>	Painted steel with decorative lighting
<b>Handrail</b>	Stainless steel tube
<b>Flooring</b>	PVC



## Bed Elevator

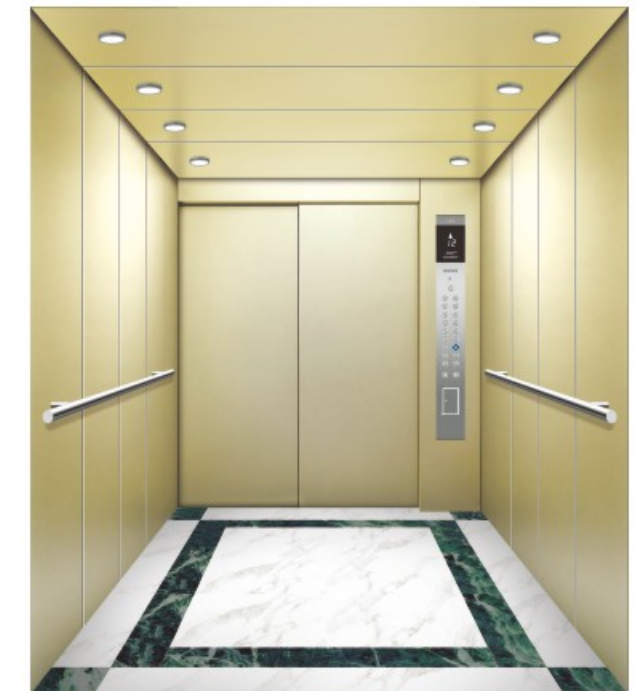
Bed elevator often competes with time in vast hospitals, modern medical treatment centers, sanatoriums, medi-care centers etc. where healing the wounded and rescuing the dying are the bounden duties. HENGDA FUJI bed elevator series adhere to the persistently humane thinking, apply fuzzy logic and group supervision technology from expert system, fulfill the intellectual elevator travel and reduce the patients' waiting period to minimum extent.



## HD-B01

(Standard)

<b>Car wall</b>	Hairline stainless steel
<b>Celling</b>	Hairline stainless steel, Vaulted light board with acrylic
<b>Handrail</b>	Stainless steel flat handrail
<b>Flooring</b>	PVC







## Freight Elevator

HENGDA FUJI series freight elevator, using the advanced permanent magnet synchronous gearless traction technology, reasonable design, without room; the traction machine has the advantage of light weight, small volume, saving the architectural space, greatly improve the performance and quality of machine room less elevator, reduce energy consumption, the failure rate.

HENGDA FUJI series MRL freight elevator with less shaft height, reduce the design height of the factories and other buildings, can meet the actual needs of the enterprise. To be the best choice for the transportation of goods, such as factories, warehouses, department stores, property centers, libraries and so on.

## Car Elevator

With economic development, people's living quality is keeping to improve, the car gradually into the homes of ordinary families. HENGDA FUJI series car elevator, make full use of HENGDA FUJI years car elevator technology, combined with the domestic market and the development of the machine room car elevator and machine roomless car elevator.

HENGDA FUJI machine room car elevator sare using the latest VVVF technology dedicated to the transport car elevator and overall elevator system to improve floor less restricted, and ensure the millimeter accurate flat layer, comfortable, low noise, technology innovation, further reducing the energy consumption of more than 30%.

HENGDA FUJI machine roomless car elevator are using machine roomless configuration, under special circumstances provides a flexible solution for designers. The intelligent microcomputer control system, high strength and strong design, avoided by car to uneven traction system load increase and produce noise and capsules jitter, make the discrepancy of the car more safe. Car elevator is widely used in the parking lot, garage, underground garage and other places.

## Freight Elevator Car Decoration



## HD-H01

( Standard )

<b>Car wall</b>	Painted steel
<b>Ceiling</b>	Painted steel
<b>Lighting</b>	Fluorescent lamp
<b>Car door</b>	Painted steel
<b>Flooring</b>	Checked steel plate

## HD-H02

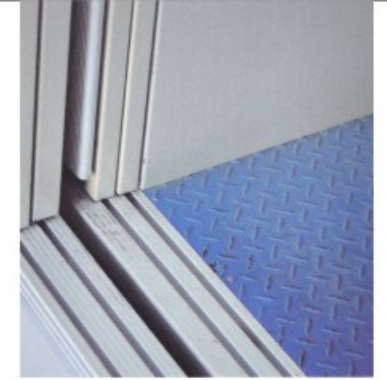
(Optional)

<b>Car wall</b>	Hairline stainless steel
<b>Ceiling</b>	Hairline stainless steel
<b>Lighting</b>	Fluorescent lamp
<b>Car door</b>	Hairline stainless steel
<b>Flooring</b>	Checked steel plate





# Freight Elevator Decoration



## Hall door Series



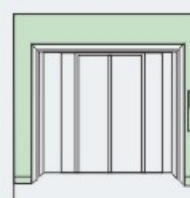
Center opening



Side opening



Double-folded center opening type



3-folded center opening type

## Control operation panel and hall buttons

Simple and elegant buttons handling facility, matching the diversified and personalized cabin to a greater extent.

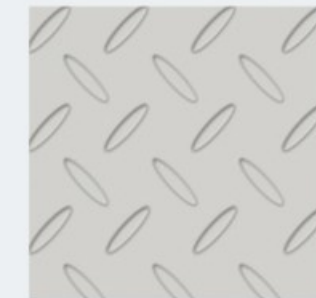


HD-H01C



HD-H01X

## Floor optional



HD-HDB01

Checked steel plate

## Optional crash barrier



Wooden



Black rubber

The pictures are plotted by computer and are likely somewhat different from the actual products.



## Villa Elevator Operation Panel Series



HD-COP01



HD-COP02



HD-COP04



HD-COP04A



HD-COP05



HD-COP05A



HD-COP06



HD-COP06A

## Passenger Elevator Operation Panel Series(standard)



HD-C05



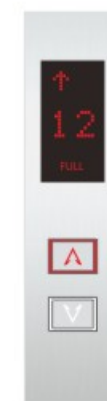
HD-C06



HD-C03



HD-C05



HD-X05



HD-X05A



HD-X06



HD-X06B  
No bottom box calling



FJ-X05A  
No bottom box calling  
(simplex)



FJ-X05B  
No bottom box calling  
(simplex)



## Passenger Elevator Operation Panel Series(optional)



FJ-C01



FJ-X01A  
No bottom box  
calling (simplex)



FJ-C02



FJ-X02B  
Hall call box (duplex)



FJ-X02A  
Hall call box (simplex)



FJ-D01



FJ-LCDA



FJ-LCDB

### » Direction lantern



FJ-DL01



FJ-DL02



FJ-DL03



FJ-DL04

### » C.O.P for the disabled

### » Hall indicator

### » Hall call box (no indicator)

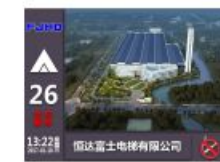
### » Optional C.O.P LCD



FJ-C03



FFA-YD360-7B



FFA-YD360-8C



FFA-YD360-104C



FJ-X03A



FJ-X03B



FJ-C06



FJ-X06A



FJ-X06B

### Hall call box(simplex)

### Hall call box(duplex)

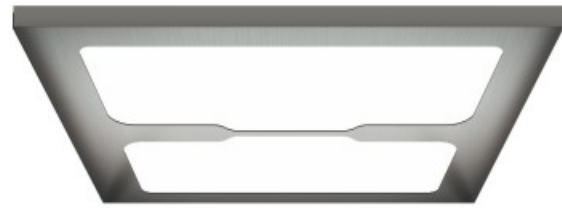
● Front wall integrated operation panel(optional)/  
fault code display, optional dot matrix

● Material: Titanium gold stainless steel mirror

● Material: Black Titanium-gold

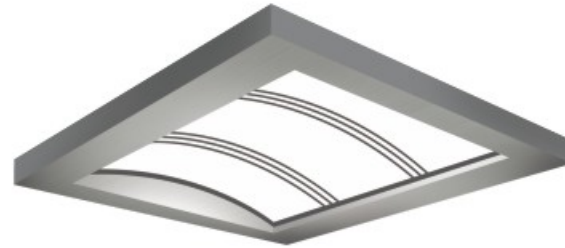


## Passenger Elevator Ceiling Series



**HD-DTA01**

Diamond silver painted steel with acrylic photic board.



**HD-DTA02**

Mirror stainless steel framework, acrylic arched top plate



**HD-DTA03**

Stainless steel mirror base-plate is supplemented by rectangle hollow transparent pole. The soft lighting design of arched white light-passing board is in the middle part



**HD-DTA04**

Mirror stainless steel framework, acrylic arched top plate, intermediate down lamp decoration



**HD-DTA05**

Mirror stainless steel framework, acrylic arch paint-jet top plate in middle acrylic lighting decoration on both sides



**HD-DTA06**

Stainless Steel Mirror finish framework with acrylic arched paint-jet top plate in middle with acrylic lighting decoration on both sides



**HD-DTA07**

Hairline stainless steel, Vaulted light board with acrylic



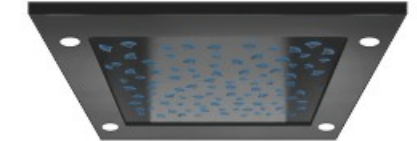
**HD-DTA08**

Painted steel plate, stainless steel hairline, return light



**HD-DTA09**

Acrylic transparent panel with metallic paint



**HD-DTA10**

Black titanium mirror stainless steel frame, down lamp, top panel LED discolor lighting



**HD-DTA11**

Acrylic lighting decoration, stainless steel mirror



**HD-DTA12**

Acrylic lighting decoration, stainless steel hairline, down lamp



**HD-DT01**

Steel plate plastic jetting frame with acrylic lighting Cover. Intermediate circular translucent lighting is used.



**HD-DT04**

Stainless steel mirror base-plate is supplemented by rectangle hollow transparent pole. The soft lighting design of arched white light-passing board is in the middle part



**HD-DT07**

Stainless steel mirror hollow plate and white organic board, with stainless steel frame



**HD-DT08**

Video vault in the middle, on both sides of the stainless steel floor with leds light lighting design



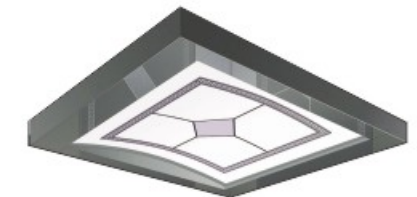
**HD-DT09**

Mirror frame, supplemented by leds on mirror stainless steel plate, the middle section is arched white plate light lighting design



**HD-DT10**

Stainless steel mirror base-plate is supplemented by rectangle hollow transparent pole. The soft lighting design of arched white light-passing board is in the middle part

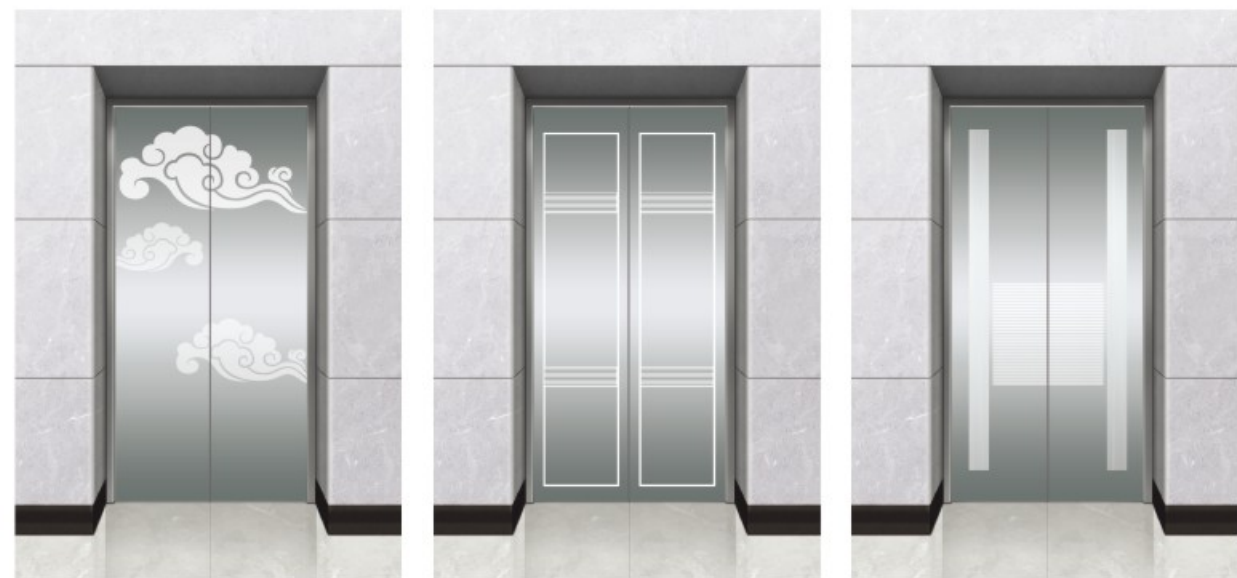


**HD-DT11**

Mirror frame, supplemented by leds on mirror stainless steel plate, the middle section is arched white plate light lighting design



**Passenger Elevator**  
**Landing Door Series (optional)**



**FJ-MA01**  
 Mirror,etched  
 (optional Titanium gold mirror,etched)

**FJ-MA02**  
 Mirror,etched,Stainless steel  
 (optional Titanium gold mirror,etched)

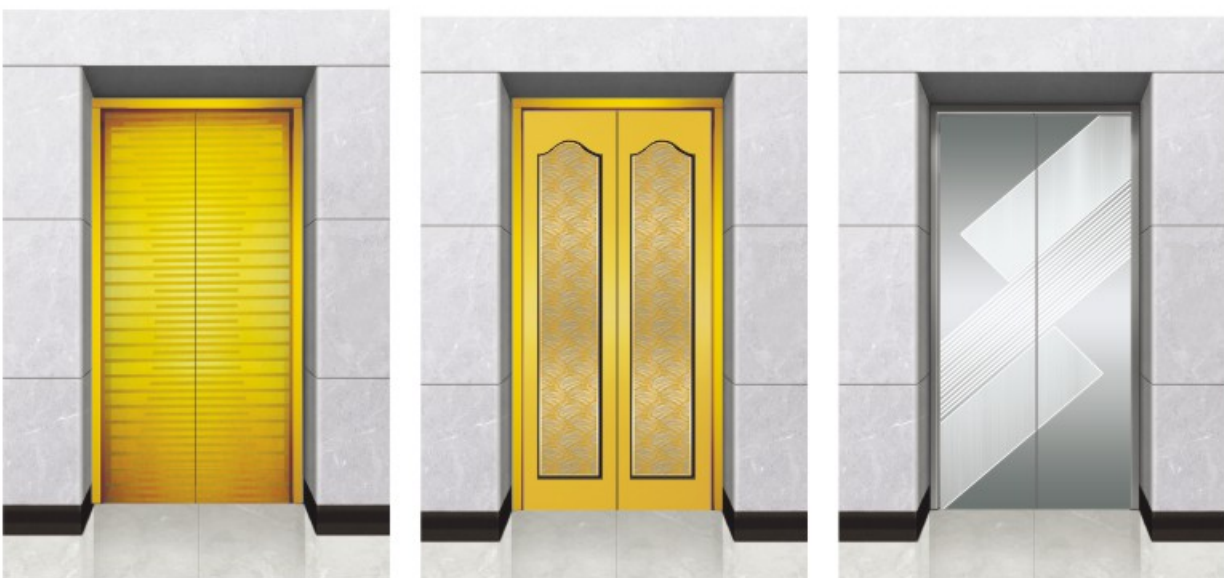
**FJ-MA03**  
 Mirror,etched,Stainless steel  
 (optional Titanium gold mirror,etched)



**FJ-MA04**  
 Titanium gold,etched,  
 (optional stainless steel mirror,etched)

**FJ-MA05**  
 Mirror,etched,rose gold  
 (optional stainless steel mirror,etched)

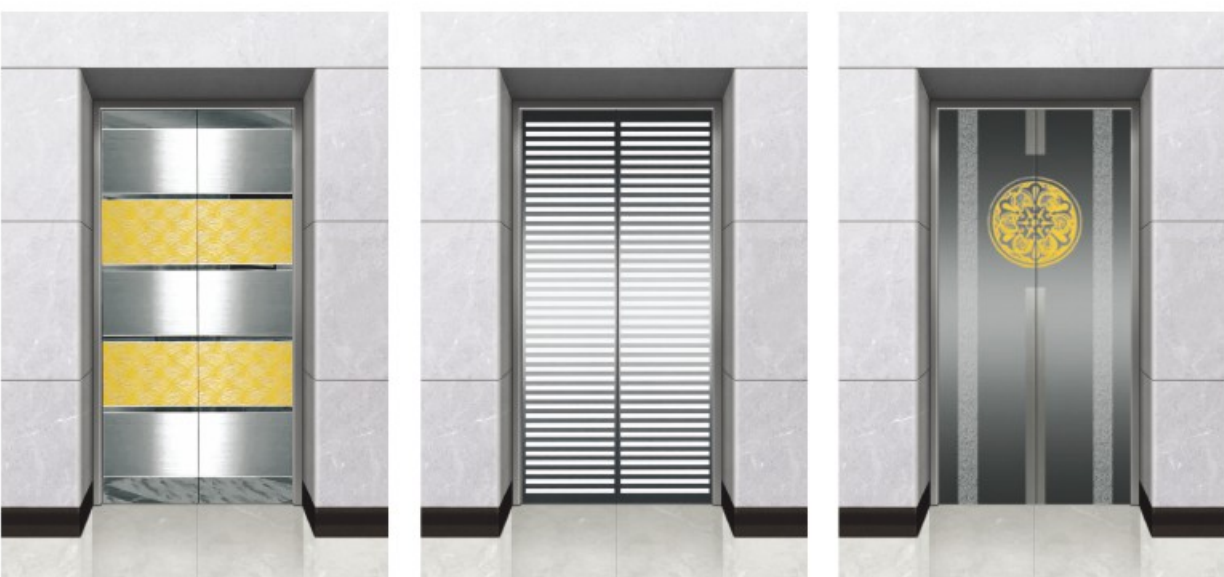
**FJ-MA06**  
 Mirror,etched,rose gold  
 (optional stainless steel mirror,etched)



**FJ-MA07**  
 Mirror,etched,titanium gold  
 (optional stainless steel mirror, etched)

**FJ-MA08**  
 Titanium gold, Mirror, etched,  
 Stainless steel, And grain  
 (optional stainless steel mirror, etched)

**HD-M01**  
 Mirror,etched, Stainless steel



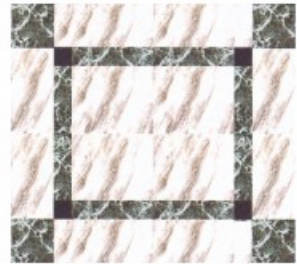
**HD-M02**  
 Mirror,etched, Stainless steel, Golden recess

**HD-M03**  
 Mirror,etched

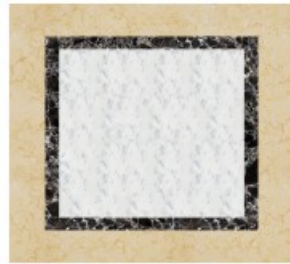
**HD-M04**  
 Mirror,etched, Spraying



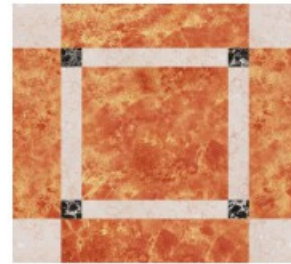
## Passenger Elevator Floor Decoration PVC (optional marble)



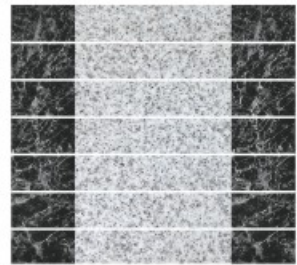
**FJ-B01**(PVC)  
**FJ-B01D**(Marble)



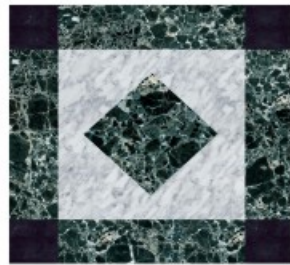
**FJ-B02**(PVC)  
**FJ-B02D**(Marble)



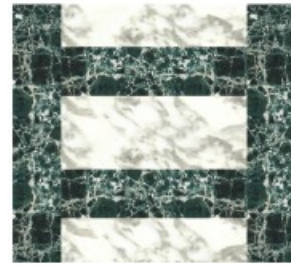
**FJ-B03**(PVC)  
**FJ-B03D**(Marble)



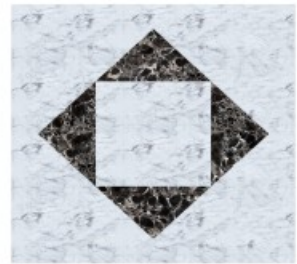
**FJ-B04**(PVC)  
**FJ-B04D**(Marble)



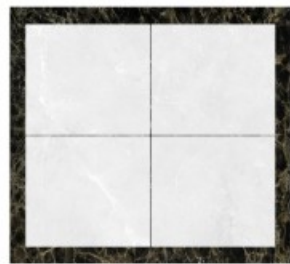
**FJ-B05**(PVC)  
**FJ-B05D**(Marble)



**FJ-B06**(PVC)  
**FJ-B06D**(Marble)



**FJ-B07**(PVC)  
**FJ-B07D**(Marble)



**FJ-B08**(PVC)  
**FJ-B08D**(Marble)



**FJ-B09**(PVC)  
**FJ-B09D**(Marble)



**FJ-B10**(PVC)  
**FJ-B10D**(Marble)



**FJ-B11**(PVC)  
**FJ-B11D**(Marble)



**HD-DB05**(PVC)  
**HD-DB05D**(Marble)



**HD-DB06**(PVC)  
**HD-DB06D**(Marble)

## Passenger Elevator Handrail Series (optional )



**FJ-FS01**



**FJ-FS02**



**FJ-FS03**



**FJ-FS04**



**HD-F03**

**FJ-FS01:**Stainless steel handrail

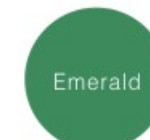
**FJ-FS02:**Chromed steel base,central material is acrylic crystal handrail

**FJ-FS03:**Titanium-gold and stainless steel handrail base,central material is solid wood

**FJ-FS04:**Stainless steel flat handrail

**HD-F03:**Triple combination mirror stainless steel tube

## Optioal colors



**HD-01**



**HD-02**



**HD-03**



**HD-04**



**HD-05**





**HD-06**


Note:There might be silight difference between the samples and real products,please take the real products as criterion.





# Passenger Elevator Function

## Standard Function


 TRAVEL FUNCTION	VVVF drive	Motor rotating speed can be precisely adjusted to get smooth speed curve in elevator start, travel and stop and gain the sound comfort.
	VVVF door operator	Motor rotating speed can be precisely adjusted to get the more gentle and sensitive door machine start/stop.
	Independent running	The elevator can not respond to outer calling, but only respond to the command inside the car through the action switch.
	Automatic pass without stop	When the car is crowded with the passengers or the load is close to preset value, the car will automatically pass the calling landing in order to keep maximum travel efficiency.
	Automatically adjust door opening time	Door-open time can be automatically adjusted according to the difference between landing calling or car calling.
	Reopen with hall call	In the door shutting process, press reopen with hall call button can restart the door.
	Express door closing	When the elevator stops and opens the door, press door-shut button, the door will be closed immediately.
	Car stops and door open	The elevator decelerates and levels, the door only opens after the elevator comes to a complete stop.
	Car arrival gong	Arrival gong in the car top announces that the passengers arrive.
 SAFETY FUNCTION	Direct parking	It completely accords with distance principle with no crawling in the leveling. It greatly enhances the travel efficiency.
	Photocell protection	In the door open and shut period, infrared light that covers the whole door height is used to probe the door protection device of both the passengers and objects.
	Designated stop	If the elevator can not open the door in the destination floor out of some reason, the elevator will close the door and travel to the next designated floor.
	Overload holding stop	When the car is overload, the buzzer rings and stops the elevator in the same floor.
	Anti-stall timer protection	The elevator stops operation due to slippery traction wire rope.
	Start protection control	If the elevator does not leave door zone within the designated time after it gets started, it will stop the operation.
	Inspection operation	When the elevator enters into inspection operation, the car travels at inching running.
	Fault self-diagnosis	The controller can record 62 latest troubles so as to quickly remove the trouble and restore the elevator operation.
	Repeated door closing	If the elevator can not close the door due to certain obstacle or interference, the elevator will reopen or re-shut the door until sundries are eliminated.


 MAN- MACHINE INTERFACE	Up/down over-run and final limit protection	The device can effectively prevent from the elevator's surging to the top or knocking the bottom when it is out of control. It results in more safe and reliable elevator travel.
	Down over-speed protection device	When the elevator downs 1.3 times higher than the rated speed, this device will automatically cut off control mains, stop the motor running, safety tongs act to force the elevator stop in order to ensure the safety.
	Upward over-speed protection device	When the elevator up speed is 1.3 times higher than rated speed, the device will automatically decelerate or brake the elevator.
	Micro-touch button for car call and hall call	Novel micro-touch button is used for operation panel command button in the car and landing calling button.
	Floor and direction indicator inside car	The car shows the elevator floor location and current travel direction.
	Floor and direction indicator in hall	The landing shows the elevator floor locating and current travel direction.


 EMERGENCY FUNCTION	Emergency car lighting	Emergency car lighting automatically activated once power failure.
	Inching running	When the elevator enters into emergency electric operation, the car travels at low speed inching running.
	Five way intercom	Communication amid car, car top, elevator machine room, well pit and rescue duty room through walkie-talkie.
	Bell	In emergency conditions, if bell button above car operation panel is continuously pressed, electric bell rings on top of the car.
	Fire emergency return	If you start key switch in main landing or monitor screen, all the callings will be cancelled. The elevator directly and immediately drives to the designated rescue landing and automatically opens the door.


 ENERGY- SAVING FUNCTION	Car ventilation, light automatic shut off	If there is no calling or command signal within the stipulated time, the car fan and lighting will be automatically closed in order to save the energy.
	Remote shut-off	The elevator can be called to main landing (after finishing the service) through the key switch and automatically exists the service.

## Optional Function

 EMERGENCY FUNCTION	Uninterrupted power supply(OPS)	In normal power failure, the chargeable battery supplies the elevator power. The elevator drives to the nearest landing.

 TRAVEL FUNCTION	Anti- nuisance	In the light elevator load, when three more commands appear, in order to avoid the unnecessary parking, all the registered callings in the car will be cancelled.
	Open the door in advance	When the elevator decelerates and enters into door open zone, it automatically opens the door to enhance the travel efficiency.
	Command register cancel	If you press the wrong floor command button in the car, twice continuous pressing of the same button can cancel the registered command.
	Duplex control	Two sets of same model elevators can unanimously respond the calling signal through the computer dispatch. In this way, it reduces the passengers' waiting time to the greatest extent and enhances the travel efficiency as well.





 MAN- MACHINE INTERFACE	Voice system	When the elevator normally arrives, voice announcer informs the passengers about the relevant information.
	Car assistant operation box	It is used in the large loading weight lifts or the elevators with crowded passengers so that more and more passengers can use the car.
	Operation box for the handicapped	It is convenient for the wheelchair passengers and those who have vision problems.
	Intelligent calling service	The car command or hoist-way calling can be locked or connected through special Intelligent Input.




 MONITOR FUNCTION	Remote monitor	The elevator long-distance monitor and control can be fulfilled through modem and telephone. It is convenient for the factories and service units to timely know the travel conditions of every elevator and promptly take the corresponding measures.
	Camera function in the car	The camera is installed in the car to monitor the car conditions.







# Freight Elevator Function

## Standard Function

 <b>TRAVEL FUNCTION</b>	Automatic running	When there is no attendant who operate elevator, elevator will run to the destination floor according to the instruction of passengers automatically.
	Attendant running	Elevator is operated by attendant, attendant press car calls as request of passengers and elevator will run to the destination floor according to the car calls.
	Automatic adjustment of door opening time	According to current registered landing call and call call situation, system will automatically adjust the door open holding time.
	Door re-open at same floor	When door is closing, door can re-opened by pushing landing call button at current floor.
	Car arrival gong	Arrival gong on the car top advices passengers that elevator arrives.
	Car call cancel	If passengers press the wrong floor button in car, same button press it again can cancel the wrong register.
	Parking	When electric key switch is turn off, elevator enters into parking state, it will not serve to any landing call.
 <b>SAFETY FUNCTION</b>	Light curtain protection	When light curtain is sheltered, door will stop closing at once and automatically open.
	Overload stop	When elevator is overload, elevator door keeps opening, buzz rings and elevator stops at the current floor.
	Inspection operation	When elevator enters into inspection state, car runs in jog state.
	Troubleshooting	Controller can record faults in memory to facilitate the fault elimination and restore elevator running.
	Auto-stop with fault	When there is any fault occurred in elevator running, when safety circuit is valid, elevator lands to the nearest floor.
	Repeat open / close door	On normal mode, after running door close command, if door inter-lock circuit isn't connected, elevator opens door and closes it again.
	Top/bottom limit and final limit protection	The devices can prevent elevator from crashing to the top or bottom of hoistway in case that elevator is out of control with fault. It ensures the safety and reliability.
	Down running protection	When elevator runs down in over speed, this device cuts off the control power to stop the motor running, safety gear is motivated to force elevator to stop and ensure the safety.
	Up running protection	When elevator runs up in over speed, the device forces elevator to decelerate and braking.
	Safety circuit protection	When elevator circuit is break or contacts are adhered, elevator stops running at once.
 <b>MAN-MACHINE INTERFACE</b>	Door interlock protection	Only all doors are completely closed, elevator can run. when door interlock contacts are adhered, elevator stops running at once.
	Main contactor protection	System detects if the main contactor acts reliably, if any abnormal is detected, elevator stops running at once.
	Brake detecting protection	System detects the brake state, if there is any abnormal or braking contacts are adhered, elevator can't start running.
	Micro push button	C.O.P. and H.O.P. both adopts new micro push button.
	Running state display	System can indicates running direction, floor, door state, default ect.
 <b>MAN-MACHINE INTERFACE</b>	No stop floor set	Set the no stop floor according to the customer' requirement.

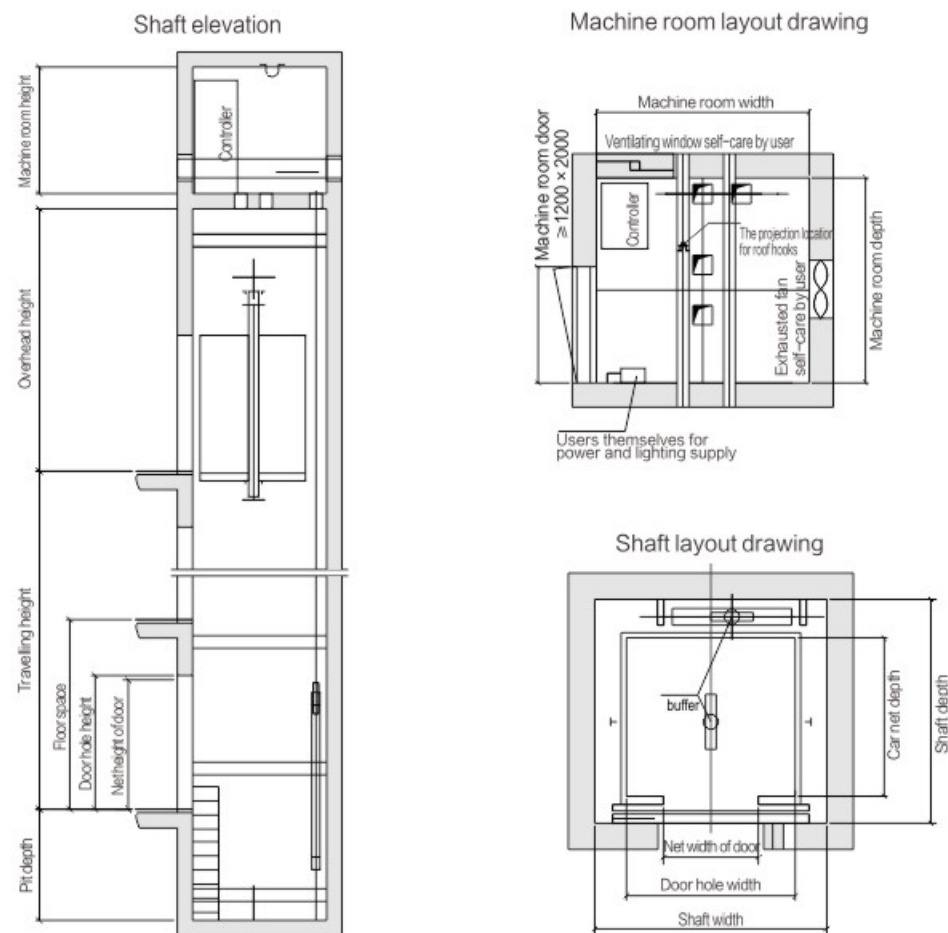
 <b>MAN-MACHINE INTERFACE</b>	Homing floor set	Set the homing floor according to the customer' requirement.
	Hoistway self-learning	Through hoistway self-learning, system can measure out the distance between every floor and record them permanently.
 <b>EMERGENCY FUNCTION</b>	Emergency lighting	When power is off, car emergency light twin on automatically.
	Emergency electric operation	When elevator enters into emergency electric operation state, elevator runs in low speed inching running.
	5-way intercom	Communication between car inner, car top, machine room, pit and security room through intercoms is realized.
 <b>ENERGY-SAVING FUNCTION</b>	Alarm bell	In emergency situation, pressing the alarm bell button on C.O.P. continuously, alarm bell on car top will ring.
	Fan & light automatic off	If there is no car call or landing call in a preset time, car inner fan and light will be turn off automatically.

## Optional Function

 <b>TRAVEL FUNCTION</b>	Door close delay	Pushing the door open button in car can prolong the door open state for a period.
	Fire emergency return	In fire emergency state, all landing calls are eliminated, elevator runs to the preset floor and open door.
	Duplex control function	This function is for two elevators' duplex control, it can reduce waiting time and improve the running efficiency.
	Opposite door control	By setting opposite system can control it's action on corresponding floor.
 <b>MAN-MACHINE INTERFACE</b>	Sub-C.O.P.	It is used for large load elevator, so that make more convenient for passengers.
	IC card control	All (part) of the floors need entry approval, only with IC card can run the elevator.
 <b>EMERGENCY FUNCTION</b>	Automatic Rescue Device (ADR)	When power is off, this device supplies power to elevator, elevator runs to the nearest floor, open its door and evacuates the passengers.
 <b>MONITOR FUNCTION</b>	Traction machine monitor	The monitor for machine room less elevator installed on the traction machine top can monitor the traction machine state.



# Small Machine Room Elevator Construction Layout Drawing

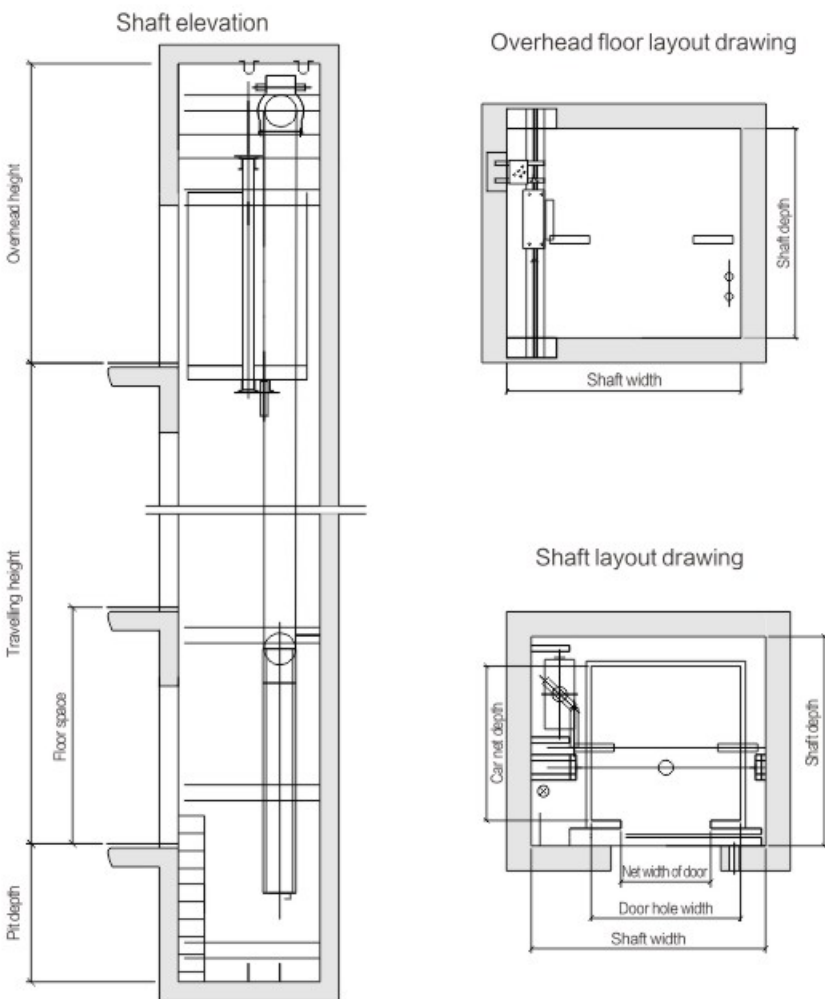


Small machine room elevator specifications

Persons	Rated capacity (kg)	Rated speed (m/s)	Net size of car (mm)	Net size of door (mm)	Shaft size (mm)			Machine room size (mm)	
			C.W x C.D x D.H	2P Central opening	H.W x H.D	HR.H	PIT	MR.W x MR.D	MR.H
6	450	1.0	1400x850x2300	800x2100	2000x1500	4000	1500	2000x1500	2500
8	630	1.5/1.75	1400x1100x2300	800x2100	2000x1720	4200	1500	2000x1720	2500
10	800	1.0	1400x1350x2300	800x2100	2000x1970	4400	1600	2000x1970	2500
		1.5/1.75				4200	1500		
		2.0				4400	1600		
13	1000	2.5	1600x1450x2300 1100x2100x2300 (Residence / stretcher elevator)	900x2100	2200x2120 2100x2500 (Residence / stretcher elevator)	4800	1800	2200x2120 2100x2500 (Residence / stretcher elevator)	2500
		1.0				4200	1500		
		1.5/1.75				4400	1600		
		2.0				4800	2000		
		3.0				5200	2600		
		4.0				5500	3100		
16	1250	1.0	1900x1450x2300	1100x2100	2500x2150	6000	3850	2500x2150	2500
		1.5/1.75				4200	1500		
		2.0				4400	1600		
		2.5				4800	1800		
		3.0				5200	2600		
		3.5				5500	3100		
18	1350	1.0	1900x1550x2300	1100x2100	2500x2250	6000	3850	2500x2250	2500
		1.5/1.75				4200	1500		
		2.0				4500	1600		
		2.5				4800	1800		
		3.0				5200	2600		
		3.5				5500	3100		
21	1600	1.0	1900x1800x2300	1100x2100	2500x2500	6000	3850	2500x2500	2500
		1.5/1.75				4200	1500		
		2.0				4500	1600		
		2.5				4800	1800		
		3.0				5200	2600		
		3.5				5500	3100		
26	2000	1.0	1900x1800x2300	1100x2100	2700x2500	6350	4300	2700x2500	2500
		1.5/1.75				4500	1500		
		2.0				4700	1600		
26	2000	1.5/1.75	1900x2200x2300	1100x2100	2700x2700	5000	1800	2700x2700	2500
		2.0				5000	1800		

Note: Only for reference, final manufacture please follow contract.

# Machine Roomless Elevator Construction Layout Drawing



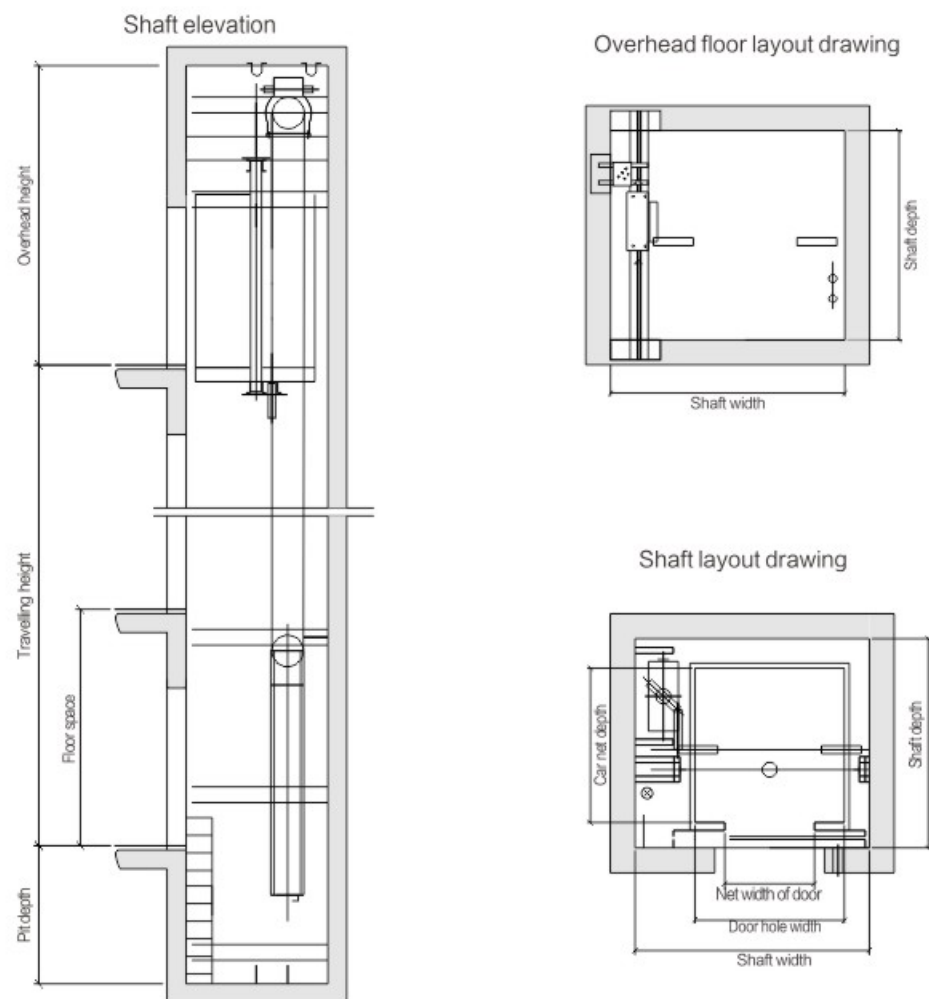
Machine roomless elevator specifications

Persons	Rated capacity (kg)	Rated speed (m/s)	Net size of car (mm)	Net size of door (mm)	Shaft size (mm)		
			C.W x C.D x D.H	2P Central opening	H.W x H.D	HR.H	PIT
6	450	1.0	1100x1100x2300	800x2100	2050x1850	4200	1500
8	630	1.0	1400x1100x2300	800x2100	2250x1900	4200	1500
10	800	1.5/1.75	1400x1350x2300	800x2100	2250x1950	4400	1600
		1.0				4200	1500
		2.0				4400	1600
13	1000	2.5	1500x1550x2300	900x2100	2350x2150	4800	2000
		1.0				4200	1500
		1.5/1.75				4400	1600
21	1600	2.0	1900x1800x2300	1100x2100	2850x2400	4800	1800
		1.0				4500	1500
		1.5/1.75				4700	1600
26	2000	2.5	1900x2200x2300	1100x2100	2900x2600	4900	2000
		1.0				4500	1500
		1.5/1.75				4700	1600
26	2000	2.0	1900x2200x2300	1100x2100	2900x2600	4900	1800
		1.5/1.75				4900	1800

Note: Only for reference, final manufacture please follow contract.



# Square Observation Elevator Construction Layout Drawing

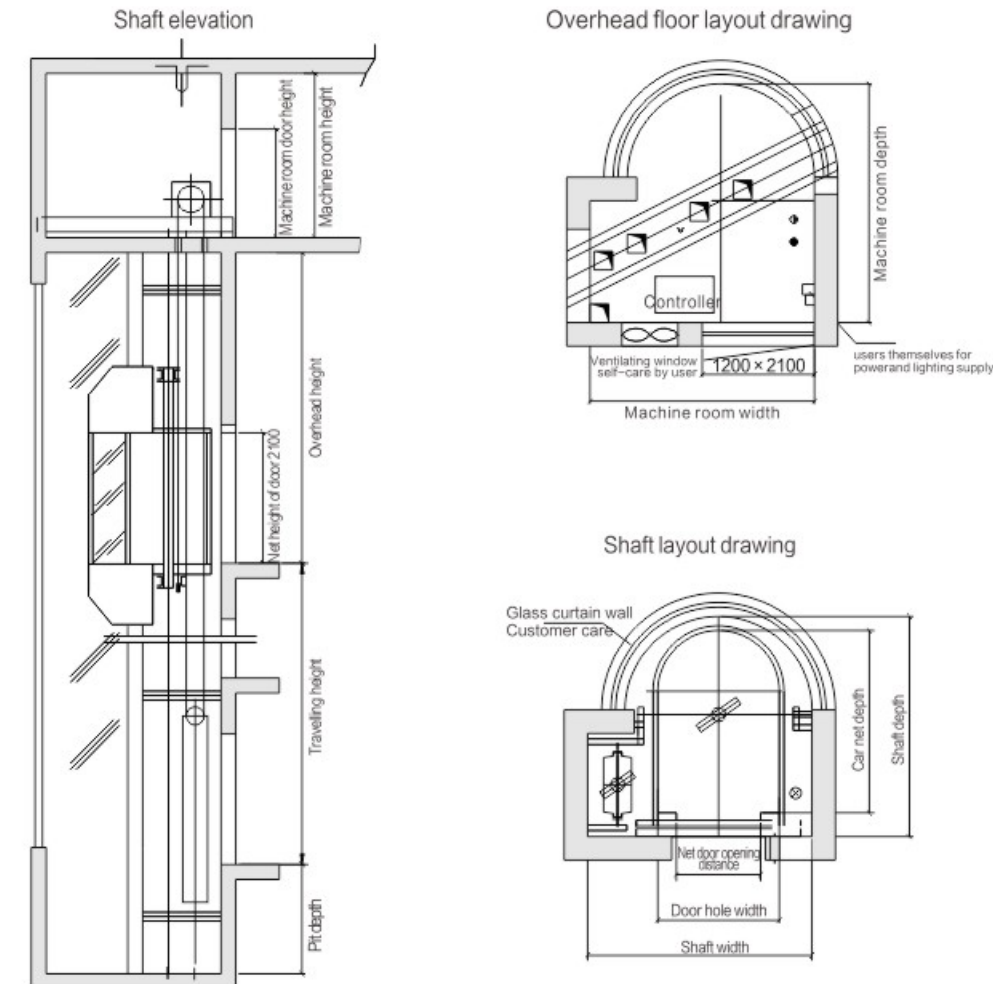


Square machine room / Machine roomless elevator specifications

Persons	Rated capacity (kg)	Rated speed (m/s)	Net size of car (mm)	Net size of door (mm)	Shaft size (mm)		
			C.W x C.D x D.H	2P Central opening	H.W x H.D	HR.H	PIT
6	450	1.0	1100x1100x2300	800x2100	2050x1850	4200	1500
8	630	1.0	1400x1100x2300	800x2100	2250x1900	4200	1500
		1.5/1.75				4400	1600
10	800	1.0	1400x1350x2300	800x2100	2250x1950	4200	1500
		1.5/1.75				4400	1600
		2.0				4800	1800
		2.5				2000	
13	1000	1.0	1500x1550x2300	900x2100	2350x2150	4200	1500
		1.5/1.75				4400	1600
		2.0				4800	1800
		2.5				4800	2000
21	1600	1.0	1900x1800x2300	1100x2100	2850x2400	4500	1500
		1.5/1.75				4700	1600
		2.0				4900	1800
		2.5				5100	2000
26	2000	1.0	1900x2200x2300	1100x2100	2900x2600	4500	1500
		1.5/1.75				4700	1600
		2.0				4900	1800

Note: Only for reference, final manufacture please follow contract.

# Semicircle Observation Elevator Construction Layout Drawing



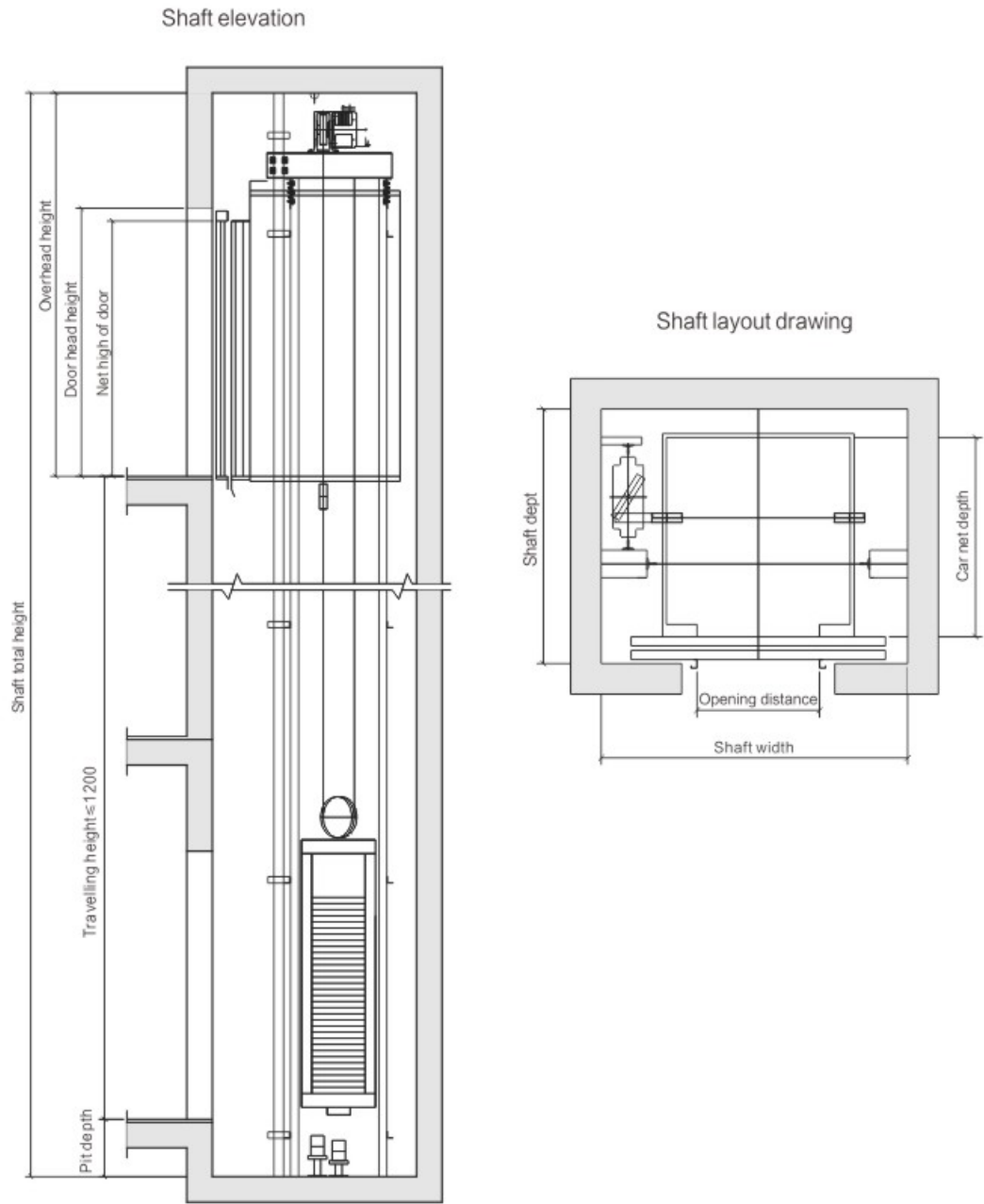
Semicircle machine room / Machine roomless elevator specifications

Persons	Rated capacity (kg)	Rated speed (m/s)	Net size of car (mm)	Net size of door (mm)	Shaft size (mm)			Machine room size (mm)	
			C.W x C.D x D.H	2P Central opening	H.W x H.D	HR.H	PIT	MR.W x MR.D	MR.H
8	630	1.0	1100x1600x2300	700x2100	2200x2185	4500	1500	2200x2185	2500
10	800	1.5/1.75				4700	1600		
		1.0	1200x1800x2300	800x2100	2300x2355	4500	1500	2300x2355	2500
		1.5/1.75				4700	1600		
		2.0				4900	1800		
		2.5				5100	2000		
13	1000	1.0	1300x1950x2300	900x2100	2400x2535	4500	1500	2400x2535	2500
		1.5/1.75				4700	1600		
		2.0				4900	1800		
		2.5				5100	2000		
16	1250	1.0	1400x2150x2300	900x2100	2500x2600	4500	1500	2500x2600	2500
		1.5/1.75				4700	1600		
		2.0				4900	1800		
		2.5				5100	2000		
18	1350	1.0	1500x2150x2300	1000x2100	2600x2600	4500	1500	2600x2600	2500
		1.5/1.75				4700	1600		
		2.0				4900	1800		
		2.5				5100	2000		
21	1600	1.0	1500x2450x2300	1000x2100	2600x2900	4500	1500	2600x2900	2500
		1.5/1.75				4700	1600		
		2.0				4900	1800		
		2.5				5100	2000		
26	2000	1.0	1700x2600x2300	1100x2100	2800x3050	4500	1500	2800x3050	2500
		1.5/1.75				4700	1600		
		2.0				4900	1800		

Note: Only for reference, final manufacture please follow contract.



Villa Elevator  
Construction Layout Drawing

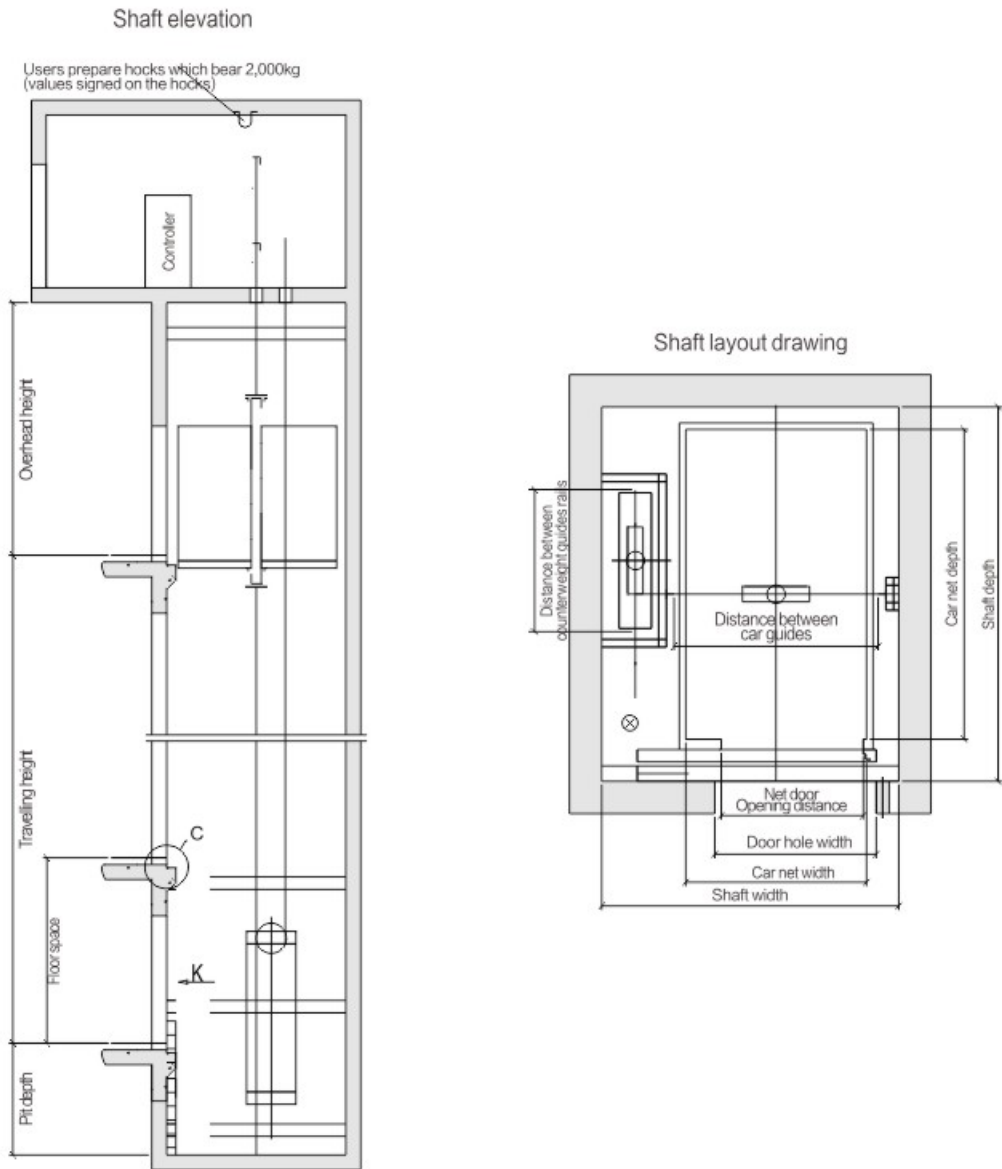


Villa elevator specifications

Persons	Rated capacity (kg)	Rated speed (m/s)	Net size of car (mm)	Net size of door (mm) D.W x D.H	Shaft size (mm)		
			C.W x C.D x D.H	2P Central opening	H.W x H.D	HR.H	PIT
3	260	0.4	800x1150x2200	700x2000 旁开门	1400x1500	3500	800
4	320	0.4	950x1300x2200	700x2000	1600x1600	3500	800
5	400	0.4	1200x1300x2200	800x2000	1850x1600	3500	800

Note: Only for reference, final manufacture please follow contract.

Bed Elevator  
Construction Layout Drawing



Bed elevator specifications

Persons	Rated capacity (kg)	Rated speed (m/s)	Net size of car (mm)	Net size of door (mm)	Shaft size			Machine room size (mm)	
			C.W x C.D x D.H	D.W x D.H	H.W x H.D	HR.H	PIT	MR.W x MR.D	MR.H
21	1600	1.0	1400x2400x2300	1100x2100	2550x2900	4500	1500	2550x2900	2500
		1.5/1.75				4700	1600		
		2.0				4900	1800		
		2.5				5100	2000		
24	1800	1.0	1600x2400x2300	1200x2100	2750x2900	4500	1500	2750x2900	2500
		1.5/1.75				4700	1600		
		2.0				4900	1800		
		2.5				5100	2000		
26	2000	1.0	1700x2400x2300	1200x2100	2850x2900	4500	1500	2850x2900	2500
		1.5/1.75				4700	1600		
		2.0				4900	1800		
		2.5				5100	2000		

Note: Only for reference, final manufacture please follow contract.



# Freight Elevator Construction Layout Drawing



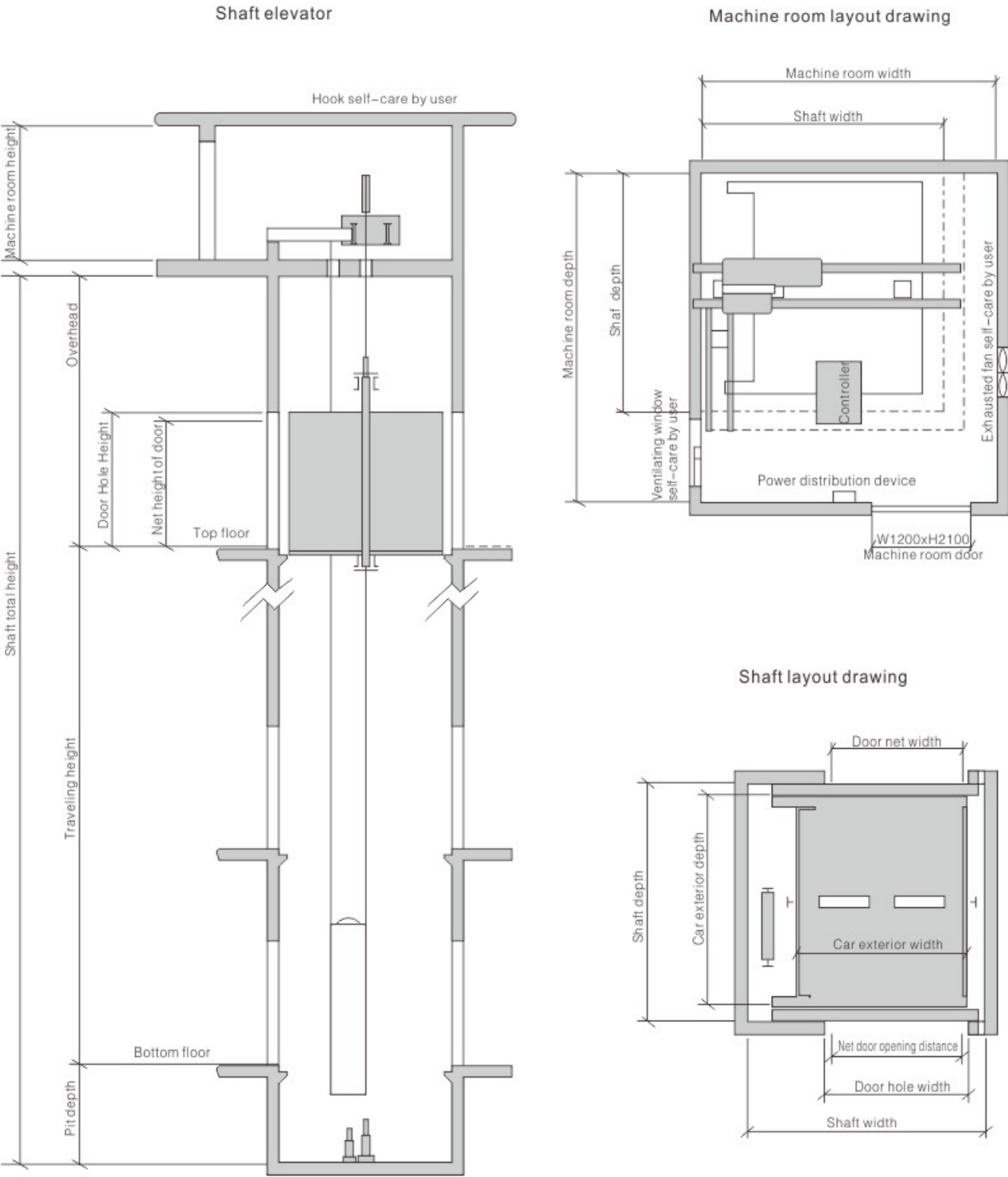
## The Work Owner And Civil Construction Contractor Should Do:

- 1. All the constructions in the shaft should be fireproofing. Extra holes such as equipments and power which have nothing to do with elevator are forbidden.
- 2. Shaft should be vertical and the horizontal size should be the minimum clearance size. The vertical error should more than...
- 3. If the space below the bottom of pit can be reached, counterweight buffer should be fixed in the firm center of pit, or please ask the elevator manufactor for the installation of counterweight safety gear.
- 4. Before the installation, all the landing door halls should have at least 1.2 meter safe guard fence. And the strength should be confirmed.
- 5. Enclosed shaft should set airventilators according to the requests(generally in the top and bottom of the shaft). The size should not less than 1% of horizontal area of the shaft. And protective nets are needed.
- 6. After the finish of installation, elevator hall doors, hall indicators reserved holes and other reserved holes should be filled.
- 7. Shaft preferably is reinforce concrete construction. If the shaf is frame construction, we should install reinforce concrete beam 300mm tall and as wide as shaft at guide rail bracket. If the construction is solid load bearing brick wall, we need to install the same beam on the top and bottom of hall doors reserved holes.
- 8. When the distance between two neighbouring door sills surpass 11 meters, we need to set a safty door opened to maintainers only. The size should not less than 350mm width and 1 800mm height.
- 9. Pit should be waterproof, If plash is needed, set it in the corner.
- 10. According to the requests of technical parameter, tu pull power supply into machine room, install protective switch and lock. The wave range should not surpass  $\pm 7\%$ . Zero line and earthing cable should be separated. And ground impedance value should no more than 4.
- 11. The temperature in machine room should keep to 5-40 degree. Machine room should be plate and can bear at least 7.0KN / sq.m. When the floor in machine room is uneven and the discrepency is more than 500mm, stair or footstep with guardrail is needed.
- 12. User should set rescue dutyroom and lay one six wicks wire for every machine room(we recommend). The wick should be 0.75 square millimeter at least.

Freight elevator specifications

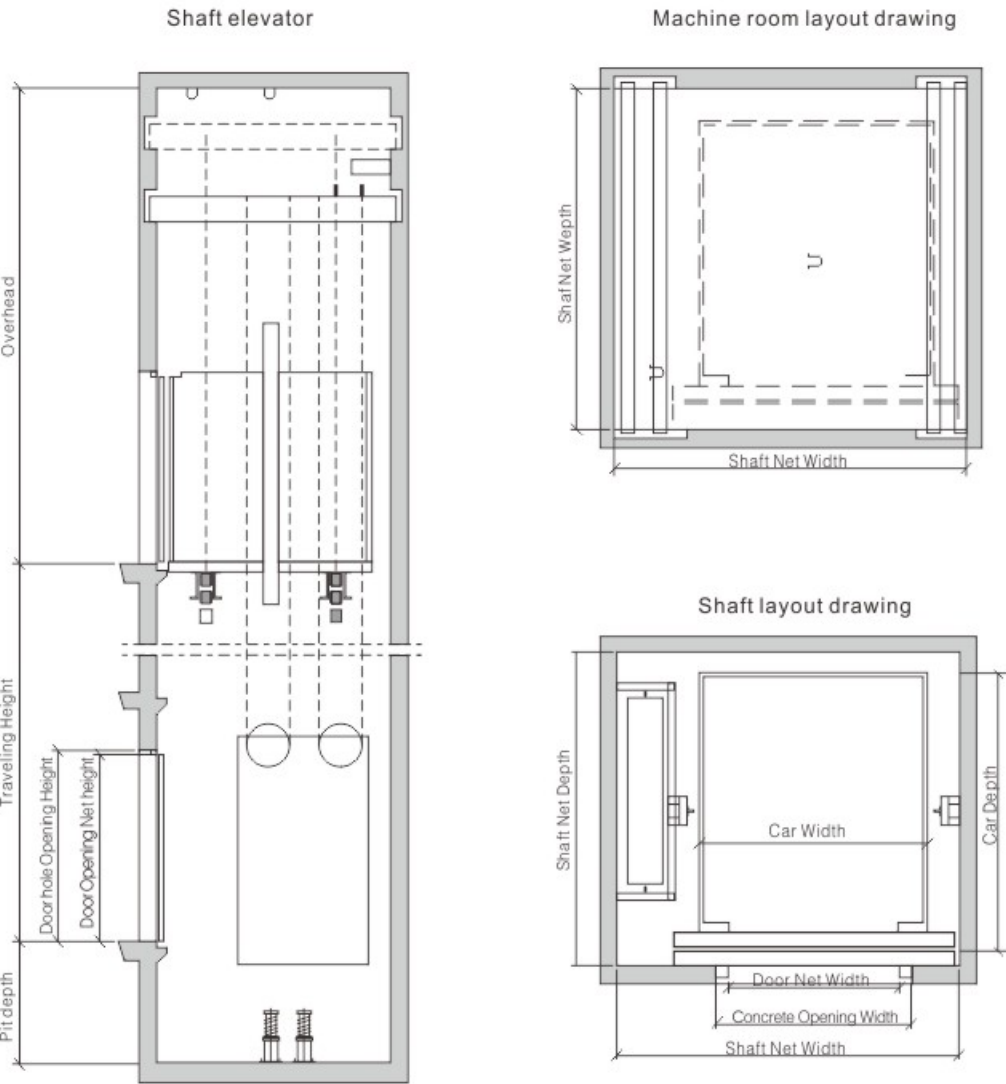
Load (kg)	Speed (m/s)	Exterior size of car width x depth x height (mm)	Net door opening width x height (mm)	Shaft Net Size			Machine Room Net Size		Door Open type
				width x depth (mm)	Overhead height	Pit depth	width x depth (mm)	height (mm)	
630	0.5	1200x1500x2200	1100x2100	2100x1860	4200	1500	2500x3000	2200	Two panel side opening
1000	0.5	1500x1800x2200	1200x2100	2250x2160	4200	1500	3000x3000	2200	Two panel side opening
2000	0.5	1570x2900x2200	1500x2100	2700x3260	4200	1500	3500x3000	2500	Two panel side opening
	1.0	4500			1500	Four panel center opening			
	1.5	2000x2300x2200			4500				1600
	2.0				4800				1800
3000	0.25	2070x3050x2200	1800x2100	3300x3410	4500	1500	3800x4200	2500	Four panel center opening
	0.5								
3200	1.0	2070x3100x2200	1800x2100	3300x3460	4500	1500	3800x4200	2500	Four panel center opening
5000	0.25	2800x3400x2500	2000x2200	4200x3800	5000	1600	4200x3800	2800	Four panel center opening
	0.5								
7000	0.25	3000x4200x2500	2600x2400	4500x4600	5000	1600	4500x4600	2800	Four panel center opening
	0.5								
10000	0.25	3070x5760x2500	2600x2400	4900x6200	5000	1600	4900x6200	2800	Four panel center opening

Note: Only for reference, final manufacture please follow contract.





# Machine Roomless (MRL) Freight Elevator Construction Layout Drawing

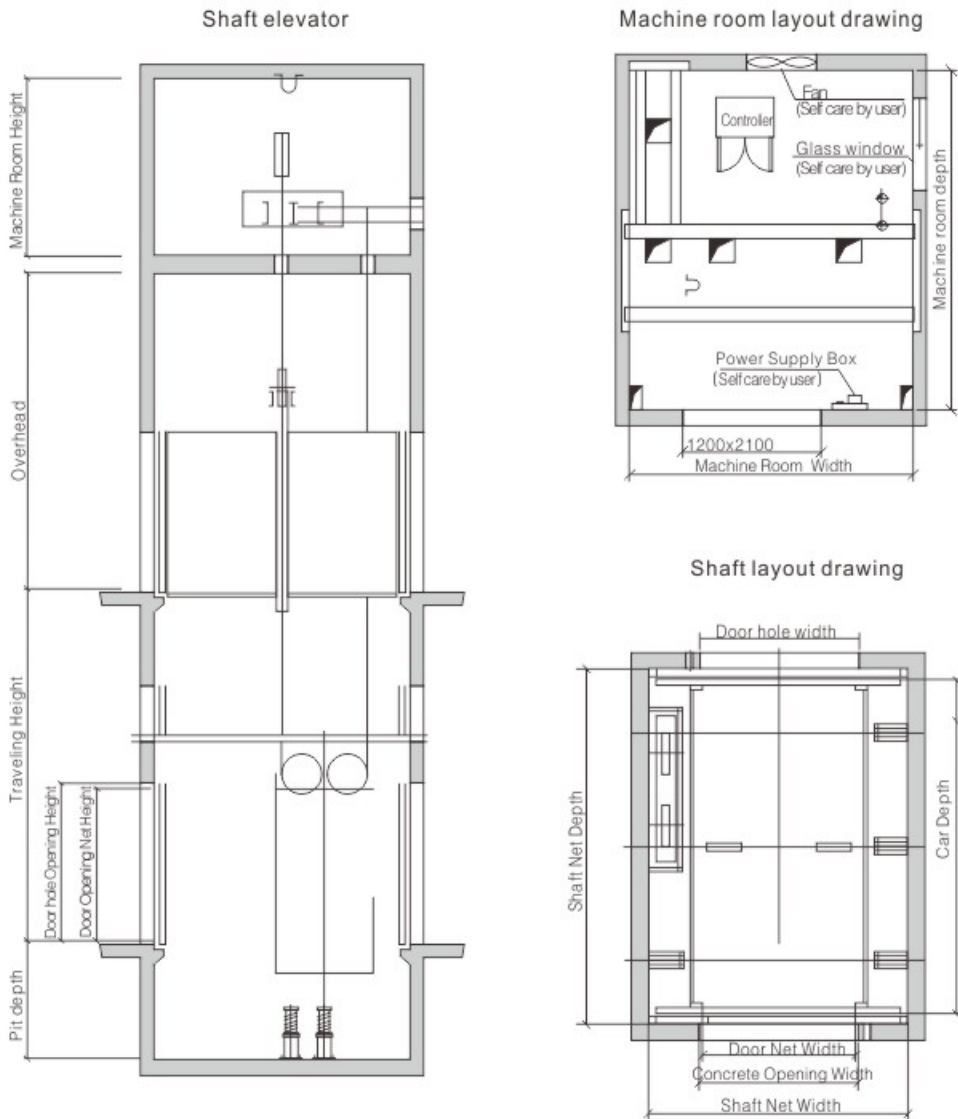


Machine roomless(MRL) freight elevator specifications

Load (kg)	Speed (m/s)	Exterior size of car width x depth x height (mm)	Net door opening width x height (mm)	Shaft Net Size			Door Open type
				width x depth (mm)	Overhead height	Pit depth	
1000	0.5	1500x1800x2200	1200x2100	2250x2200	4500	1500	Two panel side opening
	1.0				4500	1500	
	1.5				4600	1600	
	2.0				4800	1800	
2000	0.5	2000x2300x2200	1500x2100	3150x2660	4800	1500	Two panel side opening
	1.0				5000	1500	
	1.5				5200	1600	
	2.0				5200	1800	
3000	0.5	2470x2560x2200	1800x2100	3700x3000	5000	1600	Four panel center opening
5000	0.5	2800x3400x2500	2400x2400	4250x3800	6100	1600	Four panel center opening

Note: Only for reference, final manufacture please follow contract.

# Car Elevator Construction Layout Drawing



Car elevator specifications

Load (kg)	Speed (m/s)	Door open type	Net door opening width x height (mm)	Exterior size of car width x depth (mm)	Shaft Net Size (mm)			Machine Room Net Size (mm)
					width x depth	Pit depth	Overhead height	
3000	0.25/0.5	Four Panel Center Opening	2400 x 2200	2700 x 5800	4100 x 6160	1600	4800	4100 x 6160 x 2500
5000	0.25/0.5	Four Panel Center Opening	2600 x 2200	3500 x 7200	4750 x 7560			4750 x 7560 x 2500

Note: Only for reference, final manufacture please follow contract.



## Escalator Moving walk



## Designing And Styles Mingled With Modern Atmosphere

HENGDA FUJI serial escalator products are produced against international standard. It fully applies novel materials and advanced technology on escalator design and manufacture. It has the features such as smooth running, low noise, fine durability, convenient repair, fine and exquisite structure, consummate lift-way, remarkable belt-way, attractive outline model, magnificent design style with gentle modern flavor. A safe, cozy and beautiful escalator can let you enjoy the pleasant and comfortable moment every day.

HENGDA FUJI serial escalators are featured with exquisite design, environmental protection and high quality. We always provide customers with the most convenient maintenance and after service.



## Superior performance of escalator

- The truss utilizes first class rectangle steel with unique structure, high strength and nice anti-corruption durable features.
- The overall design is concise and smooth and compatible.
- The advanced international craftsmanship ensures the accuracy of steps.
- The large size diameter of step roller operates minimizes the noise and prolongs the product life.
- The human-oriented handrail entrance is secured by brush.
- The skirt together with interior and outside deck uses dulex stainless steel.
- Stamping stainless steel front panels are available with various varieties.
- It adopts belt braking system controlled by braking motor which brakes smoothly and reliable.
- The super CPU main board monitors the operation in real time. if any abnormal situation occurs, it automatically brakes and records the malfunctions code.
- Customer can choose VVVF drive to control running speed, the energy saving performance is obvious. It can prolong product life and reduce the operation cost.





## Perfect Model Brings About The Finer Riding Experience

Every HENGDA FUJI moving walk brings a new level of simplicity and comfort to shopping. It allows easy and safe access to all parts of the building, even when moving with a loaded cart or trolley.

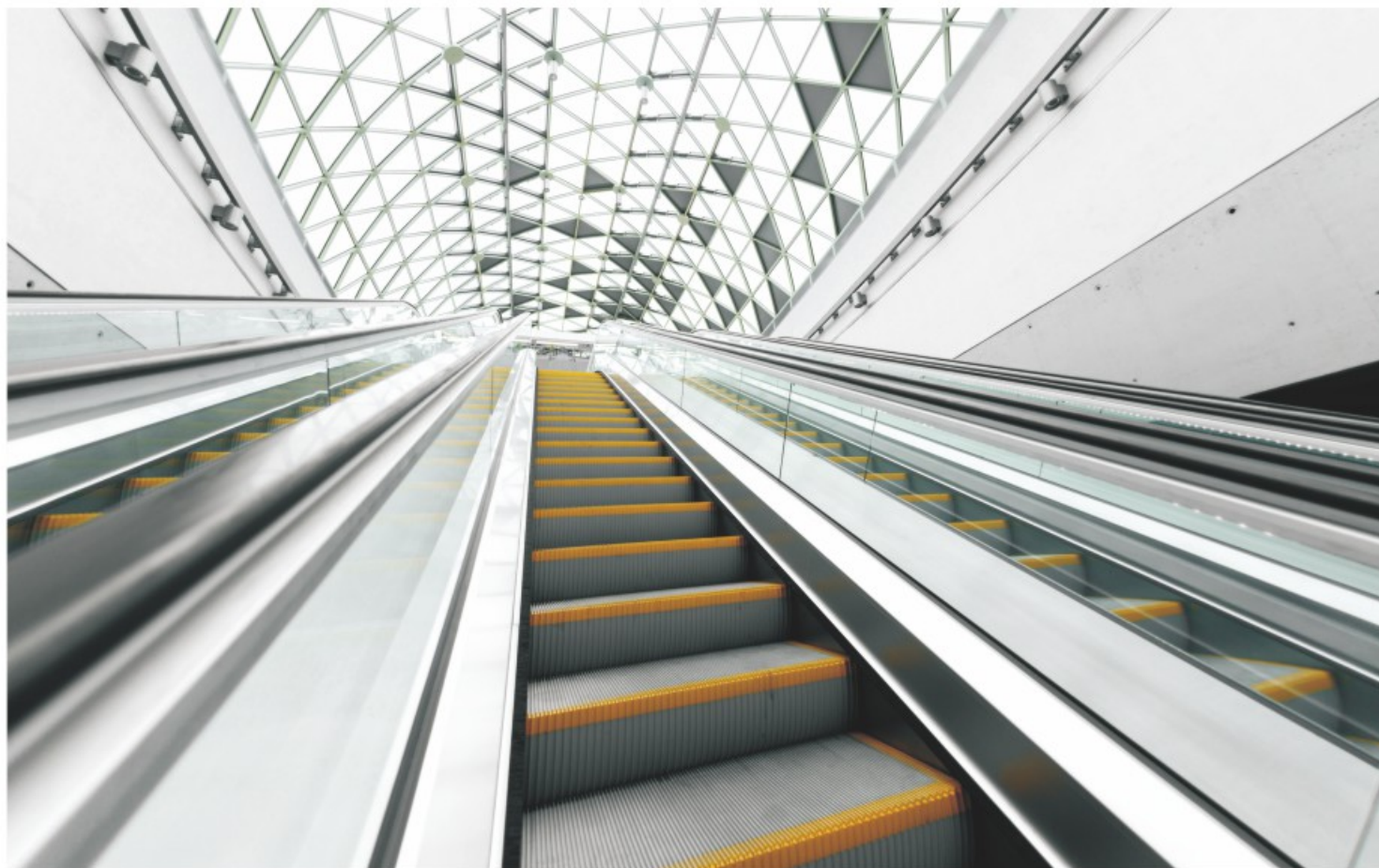
Blending engineering knowhow and style, this reliable and durable solution from HENGDA FUJI, a globally recognized escalator and moving walk specialist, is an asset to any quality shopping experience.



### Superior performance of moving walk

- Compact structure, ease strain:** Short pallets can greatly reduce span span, which can flexibly fits the building structure and save the construction space for the customer. it comprises H version (horizontal), I version (incline) and c version (compact) which can let the customer have a free choice on his original layout.
- Conform to quality/safety standard:** Slip-free grooves on pallet surface have an excellent slip-proof function which makes the ride save and comfortable. Slightly inclined combs can make trolleys easily get on an off. HENGDA FUJI Elevator machine with complete protecting function runs smoothly and drives efficiently. Advanced microcomputer controlling system can fully monitor the running status of the moving walk.
- Stable and reliable investment:** The pallet directly connecting with the chain which makes the running more smoothly and quietly, thus the service life is extended and its maintenance can be easily conducted. Special designed big wheel handrail drive runs in low noise and big power, which improves the running condition of handrail. Its life is hence prolonged. Unique tube structure has a big load capacity, which greatly improves the overall stability and service life.
- Colorful decoration:** Various styled handrails can meet personal demand In different environments. beautiful stainless steel floor plate has a three-dimension effect. inner and outer decking adopts stainless steel.
- Incomparable economical:** The moving walk fully utilizes advanced manufacturing process, greatly improves product performance and service life, the most direct result is that the operation cost of the customer is reduced. The optional VF drive technology yields great energy-saving, reducing the running cost to the maximum.





## Outstanding Technology

### Standard functions



#### Skirt panel brush

The skirt board brushes, mounted on both sides of the skirt boards and located above the steps, can not only avoid the passengers, shoes to collide on the skirt boards but also effectively avoid the entry of foreign objects into the steps.



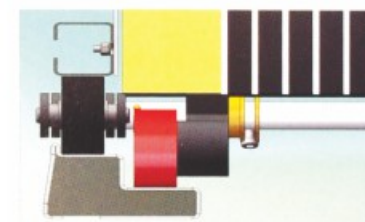
#### Handrail inlet

The escalator is richly endowed with the intelligence and popularity by the novel, distinctive, elegant, tensile and modernized streamline handrail inlet and outlet design model. It appears to be more beautiful in the outer appearance. It displays the nobleness and imposing manner of the conveying constructions.



#### Automatic oiling

PLC control automatic oiling and lubricating system fulfills the idea automatic lubrication to the transmission chain during the running process of the escalator. It not only reduces the daily repair and maintenance word load, but also prolongs the service life of the driving mechanism.



#### Side guide high accuracy step guide rail system

High rigidity big profile guide rail with nose used as transverse step positioning, guarantee the minimum gap between the skirt and step, decrease the possibility of objects clamp in between.



#### Driver protection strand breaks

When the drive chain excessive tensile fracture, the escalator stops automatically to protect the safety.



#### Fault display

When some defect takes place, the trouble code will be displayed in the defect screen, it ensures the effective and accurate trouble position within the shortest time possible. In this way, It greatly enhances the repair and maintenance efficiency.



#### Handrail speed

When handrail running speed and running speed ratio exceeds cascade system settings, escalators stopped running.



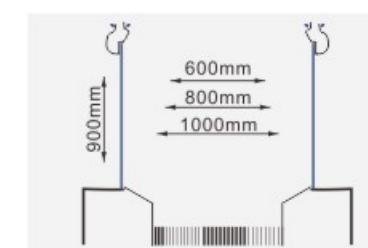
#### Handrail color

Black(standard)



#### The glass wainscot color

Colorless and transparent(standard)



#### Balustrade height

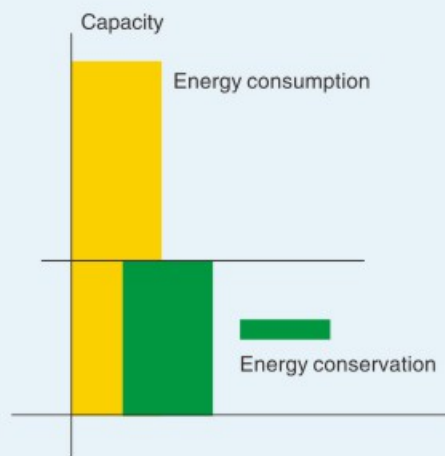
(1000mm is standard specification)





## Outstanding Technology

### Optional functions

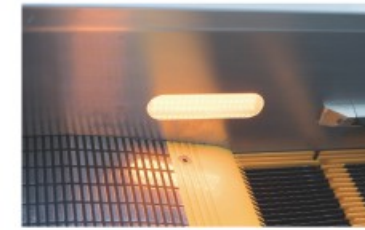


#### Energy saving operation modes

It can adopt variable frequency control or the automatic starting mode to fulfill the energy-saving.

#### Standard offering has high end finishes

- Eye-catching yellow plastic comb makes the ride of escalator more safe and more easy.
- 3mm thick skirt panel decreases the distortion and anti-friction material ensures less friction between skirting and step.



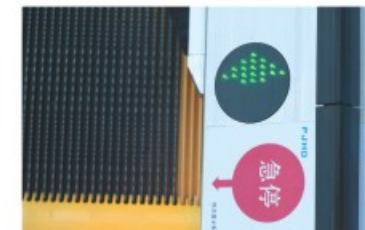
#### Comb lighting

Lighting was installed near the apron panel beside the comb plate, to provide lighting for the steps and the comb plate to facilitate passengers safe ride.



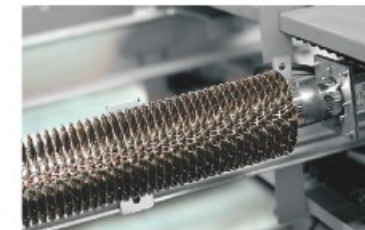
#### Skirt-board Lighting

Two sides LED lighting lamp, with the clear effect on the evening of step running.



#### Running direction indication

The running direction and forbidden display mark have been placed in the intel and outlet of the handrail. The obvious running or forbidden instruction ensures the safe riding of the passengers with great ease.



#### Heating device

Each escalator usually installs three heating devices, One is beside the host in the upper machine room. It mainly heats the host. Thesecond is installed in the mid escalator. And the third is in the lower part. It mainly heats the whole escalator.



#### Voice HMI system

When installed in the entrance for passengers, the voice prompts to take precautions.

### Handrail Color (optional)





# Safety Device

## Safety device of escalator



## Standard Safety Device

### 1.Lack of phase, error phase protection:

If lack of phase or error phase has been checked out, the escalator (moving-walk) will automatically stop the operation.

### 2.Motor over-load protection:

When the current exceeds 15% of the current rating,the escalator will automatically stop the operation.

### 3.Electrical appliance loop protection:

It offers the automatic circuit diaconnecting device to protect the circuit and mains components of the escalator(moving-walk).

### 4.handrail inlet protection:

When some foreign substance has been clipped in the handrail inlet, the escalator (moving-walk) will automatically stop the operation.

### 5.comb plate safety device:

When some foreign subatance has been clipped in or between the combs, the escalator(moving-walk) will automatically stop the operation.

### 6.Step sagging protection device:

When there is abnormal step bending, the escalator (moving-walk) will stop the operation before the step entering into the comb plate.

### 7.Broken drive-chain safety device:

When the drive-chain has been over-stretched or it is broken, the escalator (moving- walk)will automatically stop the operation.

### 8.Broken step chain protection:

When the step (plate) chain has been over-stretched or it is broken, the escalator (moving walk) will automatically stop the operation.

### 9.Over-speed protection:

When there is over-speed to the escalator (moving walk),it will automatically stop the operation.

### 10.Direction reversal protection:

When it comes the unintentional reversal of the direction of travel, the escalator (moving walk) will automatically stop the operation.

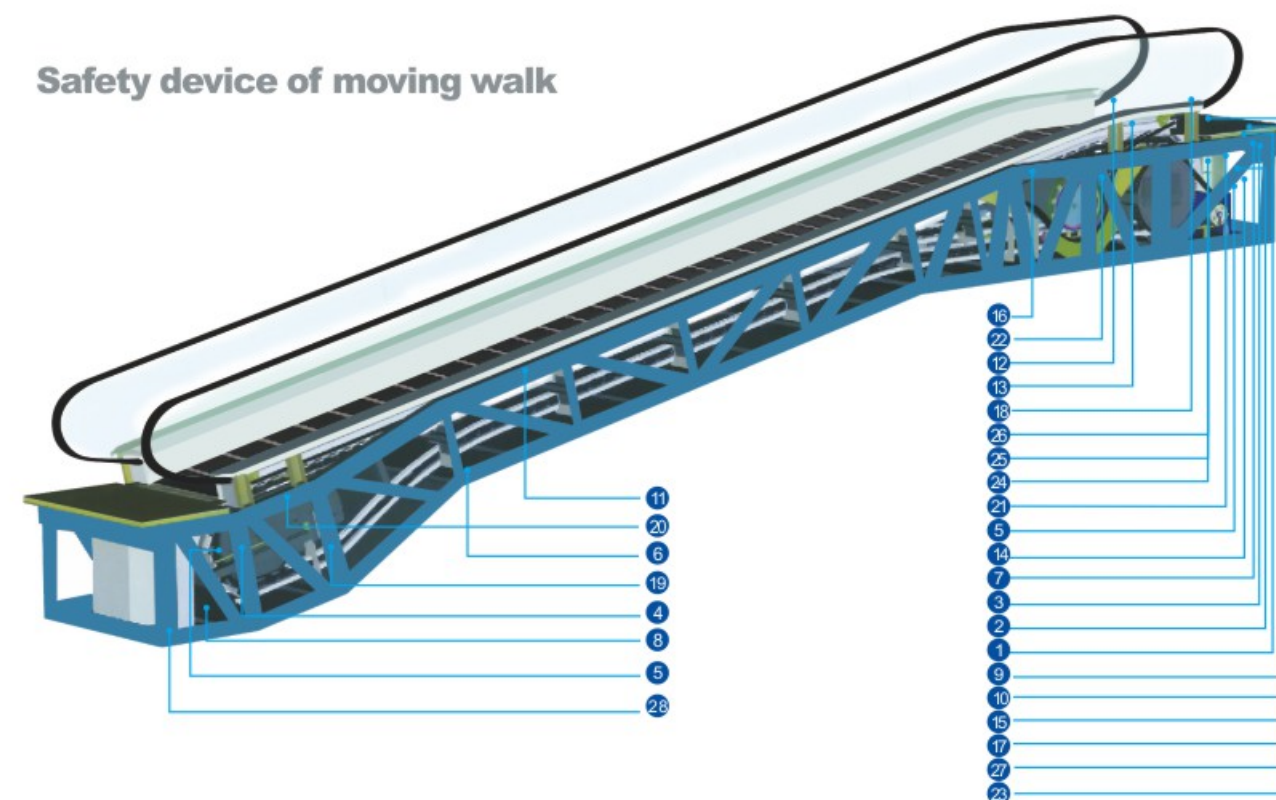
### 11.Security line:

The yellow synthetic resin security line is located in the front position and two sides of the escalator tread so that the passengers will not tread in-between the edge of the adjacent step and the lift group lengthened skirt panel. The security line on both sides of the step is higher than the tread surface.(The moving-walk offers the selective yellow spray-painted security line.)

### 12.Emergency stop button:

When the button has been pressed down, the escalator (moving-walk) will stop the operation.

## Safety device of moving walk



### 13.Skirt panel protection:

When some foreign substance has been clipped in between the skirt panel and the step, the escalator (moving-walk)will automatically stop the operation.

### 14.Brake protection:

When the electric force falls short of supply or it acts any of the safety device, the brake function goes into effect by the safety device through the spring resilience action, in this way, the escalator(moving-walk) stop the operation.

### 15.Safety inspection switch:

It is a safety device to prevent from the escalator starting during the inspection and maintenance.

### 16.Step illumination:

Illumination exists in the upper and lower ends of the escalator, in the lower part of the step in order to remind the passengers of the security matters.

### 17.Alarm bell starting device:

The alarm bell rings when it starts the escalator in order to remind the passengers of the security matters.

### 18.Control device for handrail breakage:

When the handrail is broken, the escalator will automatically stop the operation.

### 19.Handrail speed monitor:

When the handrail speed versus step is slower than certain percentage, the escalator (moving-walk)will stop the operation.

### 20.Skirt panel brush:

It is a selective safety device. The brush that has been installed between the skirt panel and the step will prevent the passengers from touching the skirt panel, (it is not merely restricted to the escalator.)

### 21.Double independent control systems:

It brings about the safer and the more stable escalator travel.

### 22.Step loss detection device:

Safety device to protect the passengers.

### 23.Tread swart switch:

When it opens the tread and maintains the escalator, the escalator stops and is under security condition.

### 24.Detection of brake distance:

If braking distance is 1.2 times longer than stipulation of national standard, after trouble locking and reset, it starts again. If necessary, please check braking system before manual reset and apply correction measures.

### 25.Brake release detection:

Brake adding detection switch prevents from the motor running without brake release so that it avoids burning the host or fire disaster.

## Optional Safety Device

### 26.Emergency brake:

It prevents from the escalator slide and ensures the human security in case of the drive chain breakage or the out-of-order of the brake. (It should be allocated when 6m < H. It is standard configuration of moving walk.)

### 27.Fire-proofrolling door device:

When this device comes into action, it can stop the escalator(moving-walk) operation. It has been installed near the escalator(moving-walk).

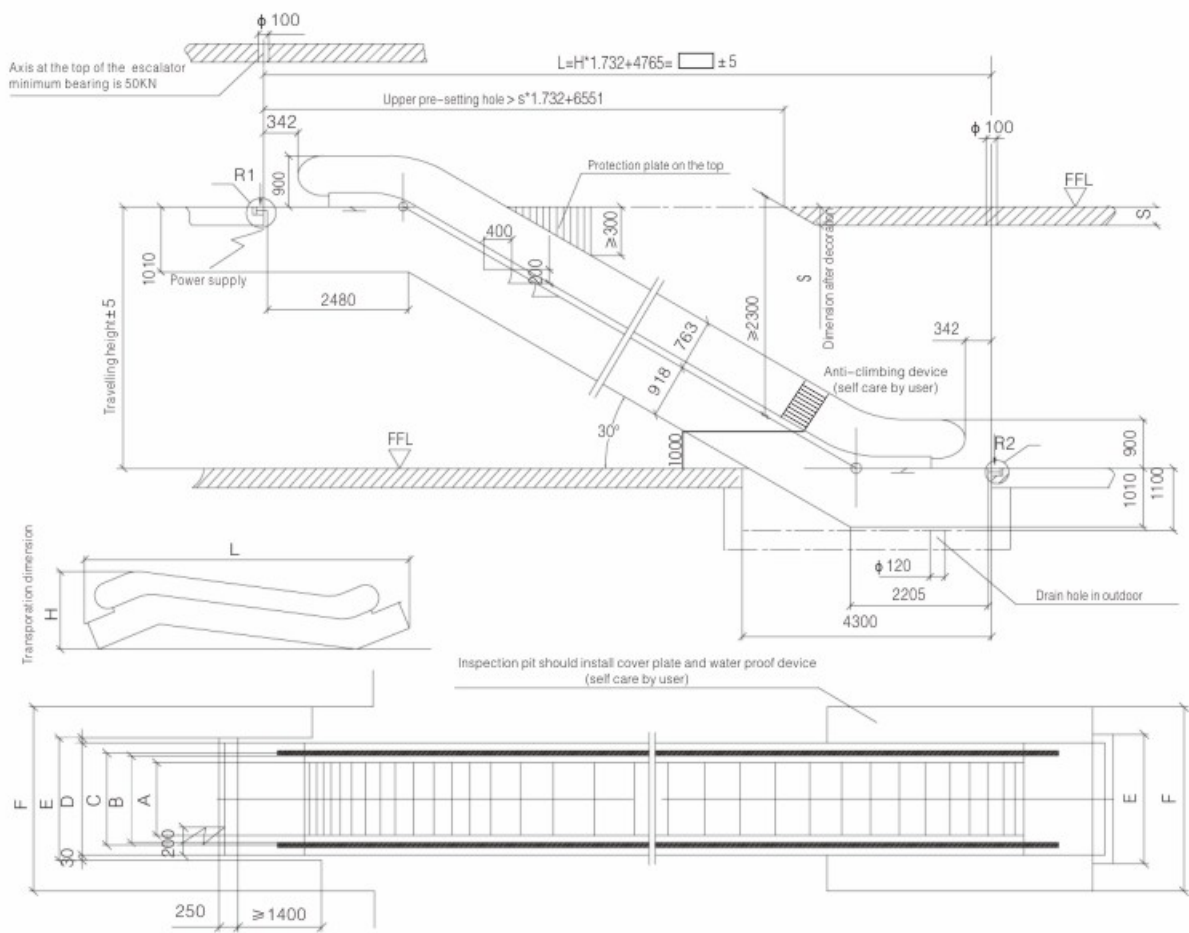
### 28.Lower machine room drain:

When it exceeds the standard to water intake in the lower machine room, it will operate the automatic drain system.(outdoor type)

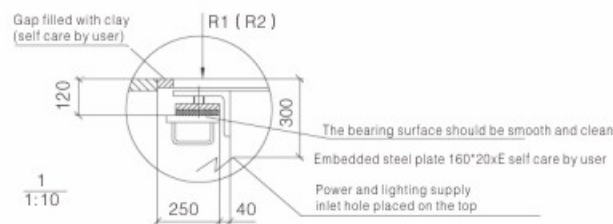


# Escalator Construction Parameters

30° Escalator construction layout drawing



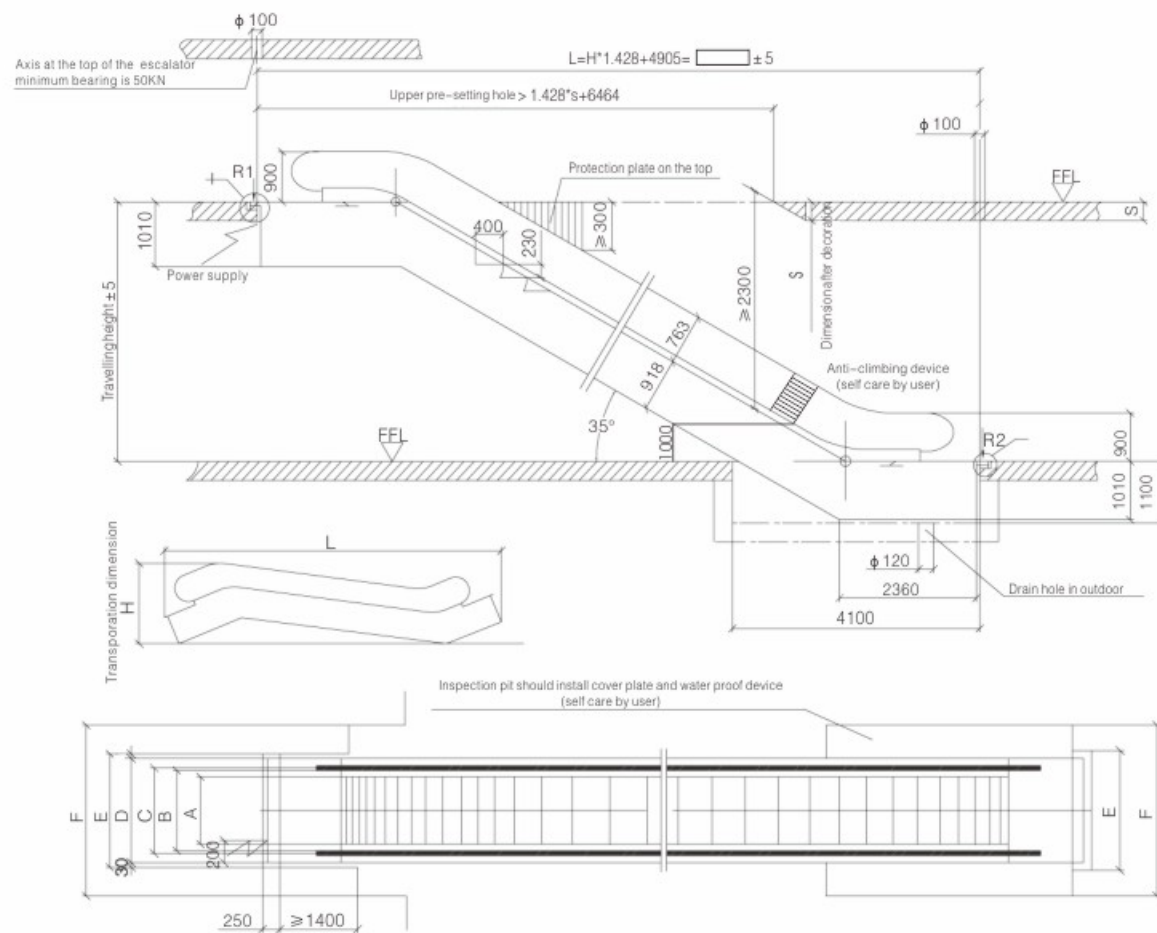
Motor capacity (KW)	Traveling height (Ladder width) 1000		Traveling height (Ladder width) 800		Traveling height (Ladder width) 600	
	1000-3300	5.5	1000-3500	5.5	1000-3700	5.5
	3400-4500	7.5	3600-4700	7.5	3800-4900	7.5
	4600-4900	8	4800-5100	8	5000-5200	8
	5000-5900	11	5200-5900	11	5300-5900	11
1000	1000	1158	1238	1600	1660	2310
800	800	958	1038	1400	1460	2110
600	600	758	838	1200	1260	1910
Step width	A	B	C	D	E	F
Model	Traveling height (mm)	Net weight (kg)	Bearing Capacity (KN)	Transporation dimension		
FHE(600)-30 (3600人/h) Speed: 0.5m/s	3000	57	46	41	2750	10900
	3500	60	49	44	2780	11890
	4000	64	52	47	2810	12880
	4500	68	56	50	2830	13870
	5000	71	59	53	2840	14860
	5500	75	62	56	2860	15860
FHE(800)-30 (4800人/h) Speed: 0.5m/s	6000	79	65	59	2870	16860
	3000	59	52	47	2750	10900
	3500	63	56	50	2780	11890
	4000	67	60	54	2810	12880
	4500	71	64	57	2830	13870
	5000	74	68	60	2840	14860
FHE(1000)-30 (6000人/h) Speed: 0.5m/s	5500	82	74	66	2860	15860
	6000	86	78	69	2870	16860
	3000	63	59	53	2750	10900
	3500	67	64	57	2780	11890
	4000	71	68	61	2810	12880
	4500	75	73	65	2830	13870



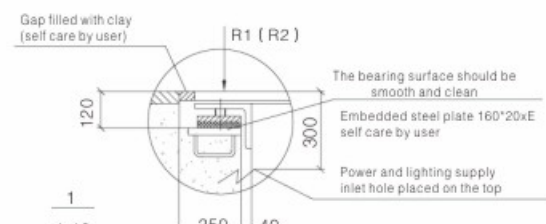
## Instruction

1. When the escalator to be installed above the second floor. Don't have a pit. Layout drawing must be matched between up and down.
2. Keep the sufficient space at both EXIT and ENTRANCE of escalator. The width must be less than 1238. The depth from handrail belt reversed end to the front obstacle must be not less than 2500.
3. Space between handrail belt of escalator and obstacle must be not less than 500.
4. Motor AC 380 V 50 HZ. See in the table.
5. By the user to provide a grounding resistance of less than 4 ohms.
6. Provide by user to the main switch of the power requirements of 3 phases 5 wires.
7. All the dimensions are measured by MM.

35° Escalator construction layout drawing



Motor capacity (KW)	Traveling height (Ladder width) 1000		Traveling height (Ladder width) 800		Traveling height (Ladder width) 600	
	1000-3500	5.5	1000-3700	5.5	1000-3900	5.5
	3600-4700	7.5	3800-4900	7.5	4000-5100	7.5
	4800-5000	8	5000-5200	8	5200-5400	8
	5100-5900	11	5300-5900	11	5500-5900	11
1000	1000	1158	1238	1600	1660	2310
800	800	958	1038	1400	1460	2110
600	600	758	838	1200	1260	1910
Step width	A	B	C	D	E	F
Model	Traveling height (mm)	Net weight (kg)	Bearing Capacity (KN)	Transporation dimension		
FHE35/600 (3600人/h) Speed: 0.5m/s	3000	54	43	39	2850	10180
	3500	57	46	41	2890	11030
	4000	60	49	44	2920	11890
	4500	64	52	46	2940	12750
	5000	67	54	49	2970	13610
	5500	70	57	51	2980	14470
FHE30/800 (4800人/h) Speed: 0.5m/s	6000	73	60	54	3000	15330
	3000	56	49	44	2850	10180
	3500	60	52	47	2890	11030
	4000	63	56	50	2920	11890
	4500	66	59	53	2940	12750
	5000	70	62	56	2970	13610
FHE35/1000 (6000人/h) Speed: 0.5m/s	5500	73	65	59	2980	14470
	6000	76	69	61	3000	15330
	3000	60	56	50	2850	10180
	3500	64	60	53	2890	11030
	4000	67	64	57	2920	11890
	4500	71	67	60	2940	12750



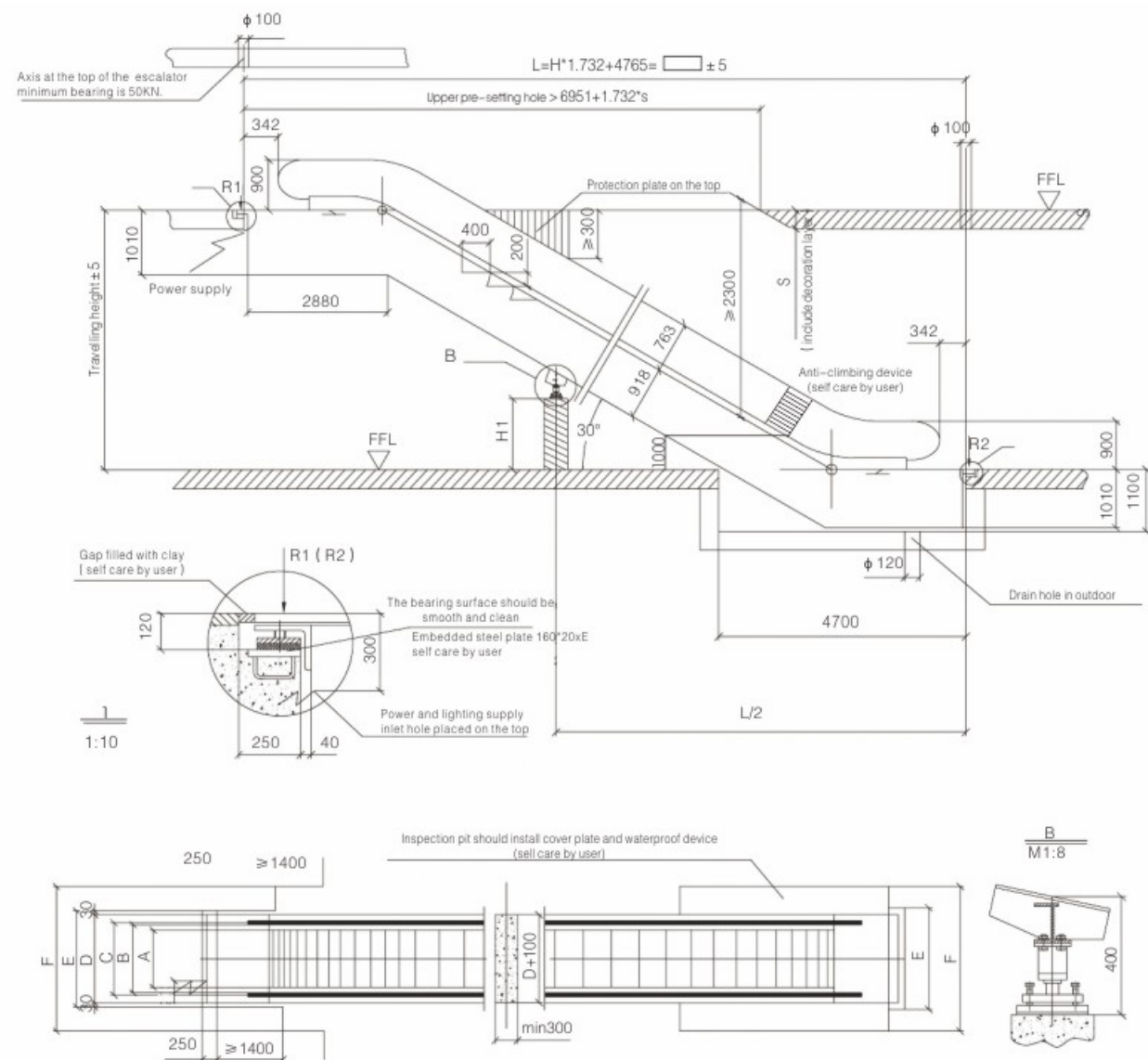
## Instruction

1. When the escalator to be installed above the second floor. Don't have a pit. Layout drawing must be matched between up and down.
2. Keep the sufficient space at both EXIT and ENTRANCE of escalator. The width must be less than 1238. The depth from handrail belt reversed end to the front obstacle must be not less than 2500.
3. Space between handrail belt of escalator and obstacle must be not less than 500.
4. Motor AC 380 V 50 HZ. See in the table.
5. By the user to provide a grounding resistance of less than 4 ohms.
6. Provide by user to the main switch of the power requirements of 3 phases 5 wires.
7. All the dimensions are measured by MM.



# Escalator Construction Parameters

Large height escalator construction layout drawing



Motor capacity (KW)	Traveling height (Ladder width) 1000		Traveling height (Ladder width) 800		Traveling height (Ladder width) 600	
	6000-6600	11	6000-6800	11	6000-7000	11
1000	1000	1158	1238	1600	1660	2310
800	800	958	1038	1400	1460	2110
Step width	A	B	C	D	E	F

## Note

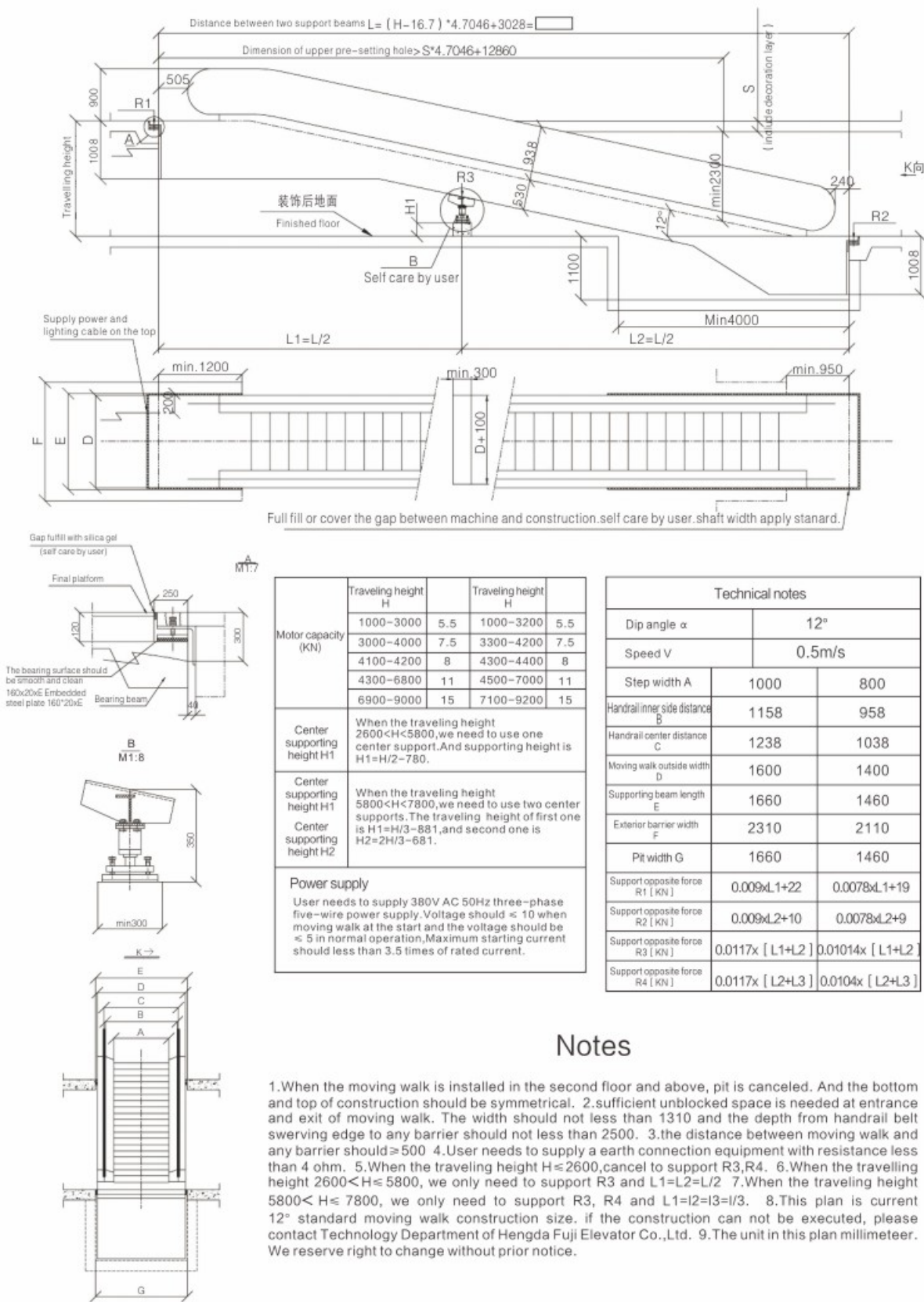
1. when the travelling height of escalator is  $6000 < H < 7800$ , middle support should be set between the center of truss bearing beam. height of middle support  $H_1 = H/2 + 1330$ . 2. bearing capacity of upper support beam  $R_1 = H \times 0.007 + 46$ . 3. bearing capacity of downer support beam  $R_2 = H \times 0.007 + 36$ . 4. capacity of center support  $R_3 = H \times 0.0216 + 90$  User supply 380V AC 50Hz power When moving walk start to work, the voltage reduced 10% in normal situation, the voltage reduced 5% when working. the mix started current should less 3.5 times than rated.

## Instruction

- When the escalator to be installed above the second floor. Don't have a pit. Layout drawing must be matched between up and down
- Keep the sufficient space at both EXIT and ENTRANCE of escalator. The width must be less than 1238. The depth from handrail belt reversed end to the front obstacle must be not less than 2500.
- Space between handrail belt of escalator and obstacle must be not less than 500.
- Motor AC 380 V 50 HZ. See in the table.
- By the user to provide a grounding resistance of less than 4 ohms.
- Provide by user to the main switch of the power requirements of 3 phases 5 wires.
- All the dimensions are measured by MM.

# Moving Walk Construction Parameters

12° Moving walk construction layout drawing



Motor capacity (KW)	Traveling height H		Traveling height H	
	1000-3000	5.5	1000-3200	5.5
3000-4000	7.5	3300-4200	7.5	
4100-4200	8	4300-4400	8	
4300-6800	11	4500-7000	11	
6900-9000	15	7100-9200	15	

Center supporting height H1: When the traveling height  $2600 < H < 5800$ , we need to use one center support. And supporting height is  $H_1 = H/2 - 780$ .

Center supporting height H2: When the traveling height  $5800 < H < 7800$ , we need to use two center supports. The traveling height of first one is  $H_1 = H/3 - 681$ , and second one is  $H_2 = 2H/3 - 681$ .

Power supply: User needs to supply 380V AC 50Hz three-phase five-wire power supply. Voltage should  $\leq 10$  when moving walk at the start and the voltage should be  $\leq 5$  in normal operation. Maximum starting current should less than 3.5 times of rated current.

Technical notes		
Dip angle $\alpha$	12°	
Speed V	0.5m/s	
Step width A	1000	800
Handrail inner side distance B	1158	958
Handrail center distance C	1238	1038
Moving walk outside width D	1600	1400
Supporting beam length E	1660	1460
Exterior barrier width F	2310	2110
Pit width G	1660	1460
Support opposite force R1 [KN]	$0.009 \times L + 22$	$0.0078 \times L + 19$
Support opposite force R2 [KN]	$0.009 \times L + 10$	$0.0078 \times L + 9$
Support opposite force R3 [KN]	$0.0117 \times [L_1 + L_2]$	$0.0104 \times [L_1 + L_2]$
Support opposite force R4 [KN]	$0.0117 \times [L_2 + L_3]$	$0.0104 \times [L_2 + L_3]$

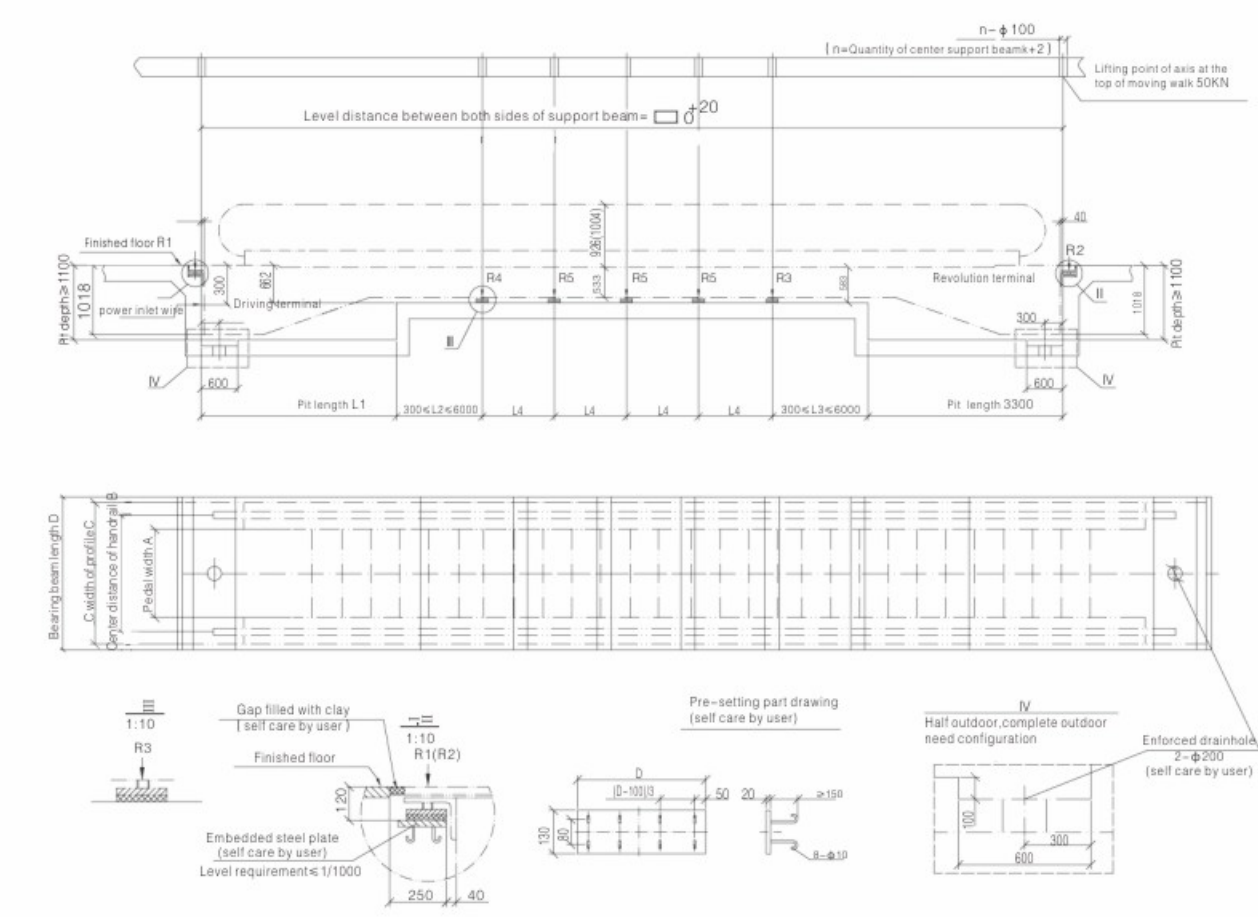
## Notes

- When the moving walk is installed in the second floor and above, pit is canceled. And the bottom and top of construction should be symmetrical. 2. sufficient unblocked space is needed at entrance and exit of moving walk. The width should not less than 1310 and the depth from handrail belt swerving edge to any barrier should not less than 2500. 3. the distance between moving walk and any barrier should  $\geq 500$ . 4. User needs to supply a earth connection equipment with resistance less than 4 ohm. 5. When the traveling height  $H \leq 2600$ , cancel to support R3, R4. 6. When the travelling height  $2600 < H \leq 5800$ , we only need to support R3 and  $L_1 = L_2 = L/2$ . 7. When the traveling height  $5800 < H \leq 7800$ , we only need to support R3, R4 and  $L_1 = L_2 = L/3$ . 8. This plan is current 12° standard moving walk construction size. if the construction can not be executed, please contact Technology Department of Hengda Fuji Elevator Co., Ltd. 9. The unit in this plan millimeter. We reserve right to change without prior notice.



# Moving Walk Construction Parameters

## 0° Moving walk construction layout drawing



Pedal width		1000		800	
Quantity of center support beam L4		6000	10000	6000	10000
Support opposite force (KN)	R1	40	38	35	34
	R2	34.5	34	32	31
	R3	62.5	78.5	52	64.5
	R4	63.5	79.4	54	66.6
	R5	48	79.4	40	66.6
Motor capacity / rated current		conveyor length		conveyor length	
		10000~70000	8KW/18A	10000~80000	8KW/18A
		70001~110000	11KW/25A	80001~110000	11KW/25A

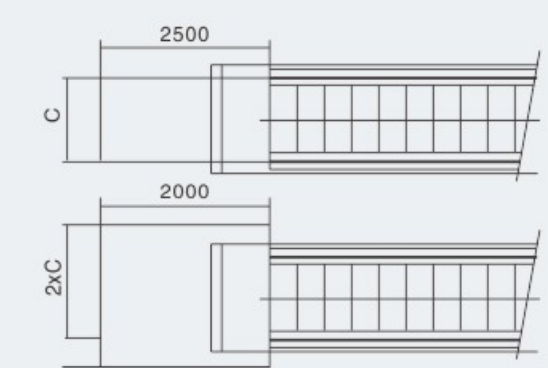
Technical notes	
Dip angle $\alpha$	0-6°
Speed V	0.5m/s
Pedal type	aluminium alloy (indoor/half outdoor /complete outdoor)
Pedal width A	1000 800
Handrail center distance B	1238 1038
Moving walk outside width C	1600 1400
Machine supporting beam length D	≥ 1660 ≥ 1460
Installation place/drive mode	Length L1
Indoor/star delta	4000 4000
Indoor/frequency	
Semi-outdoor/star delta	4600 4600
Semi-outdoor/frequency	
Outdoor/star delta	4000
Outdoor/frequency	4600
Power supply	
User needs to supply 380V 50Hz three-phase five-wire power supply. Voltage should ≤ 10 when moving walk at the start and the voltage should be ≤ 5 in normal operation. Maximum starting current should less than 3.5 times of rated current.	

## Notes

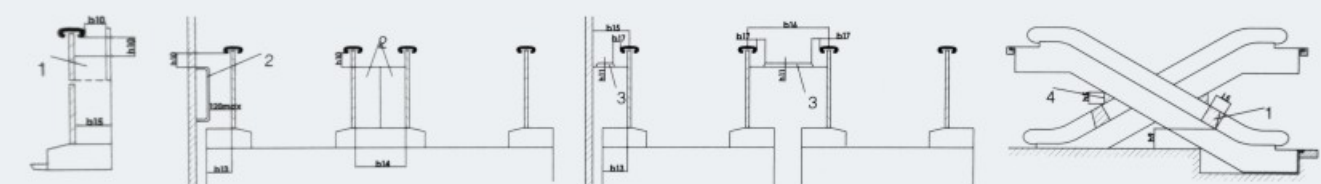
1、When the operating environment temperature under 0° (outdoor or semi-outdoor) need increase heater. 2、Sufficient unblocked space is needed at entrance and exit of moving walk and the width should be the center distance at east,the depth(from handrail turn end) should be 2.5m at least,this area width should more than two times of the handrail center distance,the depth can be reduced to 2m. 3、if have the pit should have waterproofing work(self-care by user). 4、the distance between moving walk and any barrier should ≥ 500, or the Triangle place of handrail and floor should install protecting board (self-care by user). 5、user provide power supply and earth connection equipment with resistance less than 4 ohm,it should leave Two meters left margin line under the upper supporting beams,motor capacity according to left form. 6、Luminance at least should be 50Lx at entrance and exit of indoor moving walk,luminance at least should be 15Lx at entrance and exit of outdoor and semi outdoor(self-care by user). 7、If the middle supporting beam use steel frame structure, please ask Hengda Fuji Elevator Company for advice. 8、two sides and bottom decoration of moving walk self-care by user.

# Installation Notice

- Besides complying with the drawing of the contract, attention should also be drawn to the following
- To ensure the safety of the escalator and moving walk, free space should be large enough in the landing area.(See the minimum size left)
- C= the distance of the handrails



Note: The graphical 1,2,3,4 safety devices function after the escalator installation and before the examination. They are at the users' own expense.



## Description

- 1-Anti-creep device(5.5.2.2)
- 2-Blocking device(5.5.2.2)
- 3-Anti-skid device(5.5.2.2)
- 4-Vertical apron(A.2.4)

Vertical apron	Clauses	Vertical apron	Clauses
b13,b14,b15,b16	5.2.2.2	h10=25mm-150mm	5.2.2.2
b17 ≥ 100mm	5.5.2.2	h11 ≥ 20mm	5.5.2.2
h5 ≥ 0.30m	A.2.4	L5 ≥ 1000mm	5.5.2.2
h9=(100±50)mm	5.5.2.2	b10=80mm	

Note: Graphical representation is not proportional. It is only used for graphic illustration.

- Outer cover plate of escalator / moving walk shall install anti-creep device(1). Please refer to above table for installing height of anti-creep device and extension length L5 of outer cover plate. Its height shall be the same as that of handrail surface. It shall also accord with the graphic stipulations.
- When escalator / moving walk is adjacent to the wall, outer cover plate width b13>125mm, blocking device (2) shall be installed in upper / lower end. It prevents the people from entering into outer cover plate area. When escalator / moving walk is adjacent to paralleled layout, common outer cover plate width b14>125mm, the blocking device shall also be installed. It shall be extended to height h10.
- When handrail cover-plate which is close to handrail height is installed between escalator / inclined moving walk and adjacent wall, and distance between building (wall) and handrail central ling b15 is larger than 300mm,anti-skid device (3) shall be installed in handrail cover plate. Distance between anti-skid device and handrail shall ≥ b17. Spacing distance between anti-skid devices shall ≤ 1800mm. Height h11 shall ≥ 20mm. The device has no sharp angle /edge. As for adjacent escalator / inclined moving walk, when distance between handrail center-lines b15 > 400mm, anti-skid device shall be installed. It shall also satisfy above requirements.



## Project Achievements



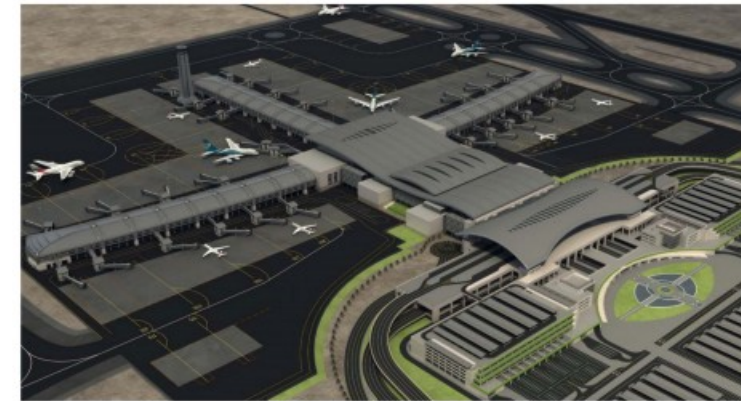
## Project Achievements

### HENGDA FUJI Engineering, Accelerate The World

In the field of vertical transportation industry, We are acting excellent quality, Strict management, Perfect after-sales service to win the trust from customers, We are also adopting the high technology which lead us stand at the top in the market.

To attain the perfect design, experienced construction team, creating HENGDA FUJI Elevator the world today all over the country works towards the case. Increasing domestic demand from the old installation of lifts, and high-level government buildings, high-rise commercial buildings to foreign countries, HENGDA FUJI Elevator in the world has an irreplaceable position. HENGDA FUJI will continue to create a safe and comfortable for human life to the next elevator ahead.

### Asia



Muscat International Airport



Karachi-ITC PLAZA



MONGORIA-ERIN Town



Barat Ghar Model Town-Pakistan



Thailand-Pattaya Hotel



Saudi Arabia-Astro Complex



Karachi-SOUTH CITY



Laos-Lake PhaThatLuang shopping plaza



# Project Achievements

## Africa



SUDAN-Central Bank of Sudan (Port Sudan)

Altadamon-Altadamon Bank

GAMBIA-Talab Building

UGANDA-Ministry Of Industry Building



Sudan-Office Building

Nairobi-Kenya Panart Hotel

Nairobi university

Sudan-Sudan presidential palace

## Europe



UKRAINE-Ukraine, mykolaiv, Typnct

LCD zolotoy-russia



SPAIN-Staff Dormitory

ALBANIA-The Bank of ALBANIA

## America



Wind Playa Salguero-Colombia

oscar freire building sao paulo- Brazil

Proyect Solhe-Bogota

Panama-colores De Bellavista

## China



Zhejiang Changxing Global Center

Xi'an University of Architecture and Technology

Shanghai Baosteel Group



China Minsheng Bank

Qijiang count famous international square

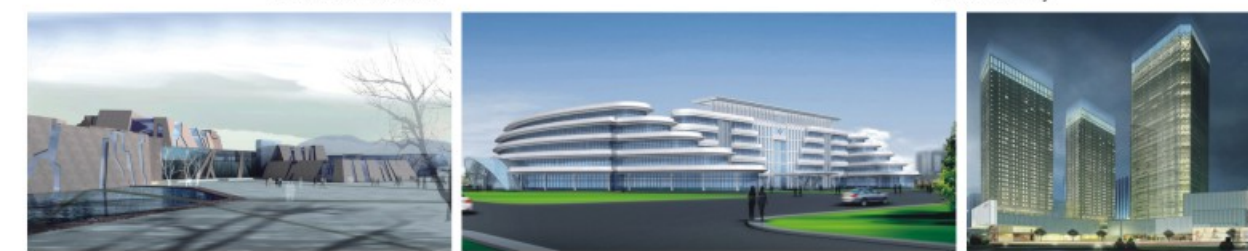
Qinghai Tongchuang Real Estate Co., Ltd.

Liu An BaiZhuang wear warm flower village



Liu An Golden Sun

Liu An Library



Chongqing museum of nature

Zhejiang hangzhou ZhongYan manufacturing

Jiangsu zhangjiagang DongCheng real estate development co., LTD





**Enjoyable Service**  
**Perpetual Satisfaction**

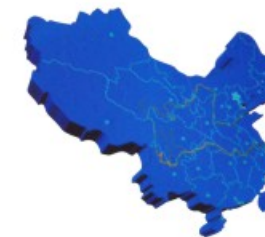
## Full service, heart-to-heart connection

Our service not only ensure your security, but also guarantee your investment in the equipment aspects. The true service is to foresee and satisfy the special requirements from vast customers because the service's definition varies according to the customers' demands. Therefore we should have the extensive and characteristic methods to satisfy these requirements.



- Service Center

From building projects for customers to lifelong service of the products, HENGDA FUJI elevator provides customers meticulous services with great consideration through all the procedures.



- The national wide after-sale service network

HENGDA FUJI elevator sets up many branches in the domestic cities. We provide the local customers first time response and prompt replacement parts supply.



- 24-hour urgent air service

24-hour customer hotline settled for troubleshooting offers high-quality after-sales service within the shortest period.



- Monitor network

HENGDA FUJI elevator regularly assigns staff to detect your equipment's operation conditions and provides the most professional maintenance.