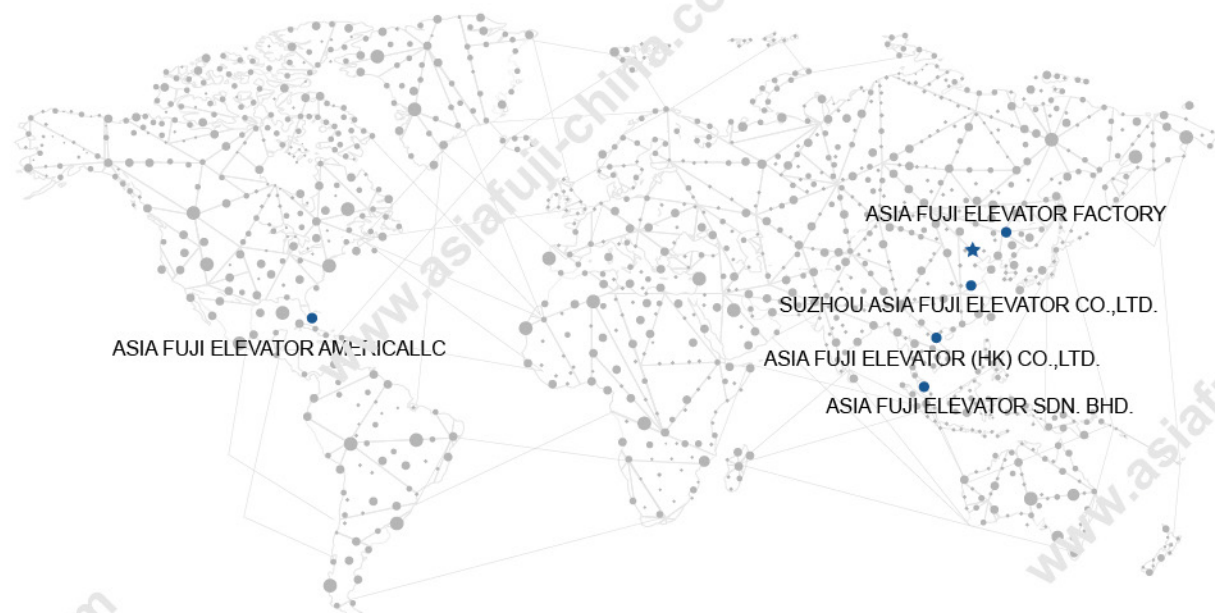


CE



### Suzhou Asia Fuji Elevator Co., Ltd.

Add: I-PARK, #88, DONGCHANG ROAD, SIP, SUZHOU, CHINA

P.C: 215000

Tel: 0086-512-67901358

Fax: 0086-512-67903398

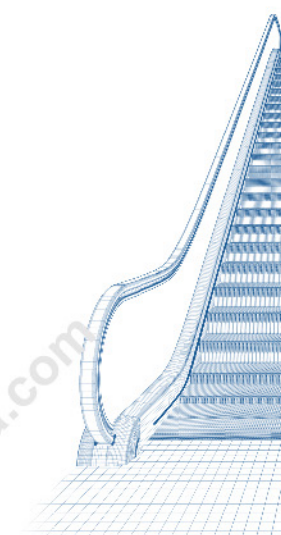
E-mail: info@asiafuji-china.com

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If there is any dispute out of the literal meaning of any product description, use or quality, the description and alteration of any sales contract, our company will not bear any responsibilities therefrom.  
Because of the restriction of the printing technology if there is any slight difference between the actually machining color and that from this pamphlet, please take the actual material and color sample as the criterion.

ASIA FUJI

ESCALATOR  
MOVING WALK SERIES



Suzhou Asia Fuji Elevator Co., Ltd.



# Company Profile

Asia Fuji is a company with nearly 3 decades history, specializing in elevator's series business

Elevator series	Residence	Office Building	Hotel	Market	Hospital	Home	Public buildings	Factory
Small machine room passenger elevator	•	•	•	•	•	•	•	•
Machine roomless passenger elevator	•	•	•	•	•	•	•	
Panoramic elevator	•	•	•	•	•		•	
Home elevator						•		
Hospital elevator					•			
Freight elevator		•	•	•	•			•
Car elevator				•	•		•	
Escalator			•	•	•		•	
Moving walk					•		•	



Suzhou Asia Fuji Elevator Co., Ltd is established in the beautiful city Suzhou, we are a professional designer, manufacturer, trader, installer and maintainer of full range of elevator products, such as passenger elevator, panoramic elevator, home elevator, hospital elevator, cargo elevator, escalator and mover.

"Asia Fuji" elevator R&D is in the charge of Asia Fuji Elevator (HK) Ltd, a strategic partner of Japan Fuji エレプーグ. As a well-known brand in the world market, "Asia Fuji" elevator has enjoyed a good reputation in domestic and overseas market with its quality&price ratio. Suzhou Asia Fuji Elevator Co., Ltd has its production base in Jiangxi Province, with more than 20 years elevator production experience, high quality production line and standard management system.

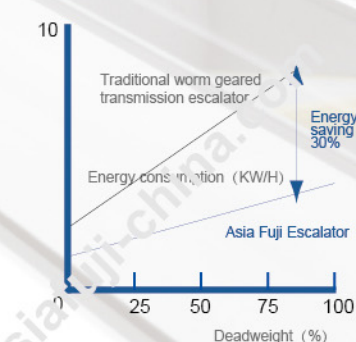
As a professional elevator supplier, Suzhou Asia Fuji Elevator Co., Ltd is not only an equipment supplier. From the time of its establishment, we position ourselves at the front line of international competition; actively participate in the marketing with new vision. As to the complicated and high requirement elevator project, we innovate the idea of "elevator packaging solution supply", tailor making the high quality product to meet customers' demands. Suzhou Asia Fuji Elevator Co., Ltd persistently aims to bring superior quality elevator product, excellent service and enhance the purchasing value for customers from all round.



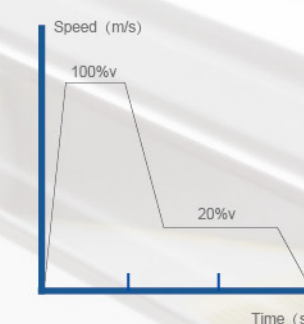
# Technology Integrates With Human Nature Perfectly

## High-efficiency transmission, energy-saving, VVVF control

Compared with the traditional worm gear reducer, the helical gear reducer is more high-precision and high-efficiency to fully ensure the efficient use of energy. VVVF control, multiple ways to detect passenger flow, escalator automatically stops when no passengers use to avoid inefficient operation and save power.



Efficiency diagrams of helical gear decelerator and worm gear reducer



Operation diagram of VVVF control specification



# Escalator

## Superior performance

### Attraction of precision structure

High-strength metal structure for precise size; super-conscious aesthetic design blends perfectly with the buildings.

### Attraction of deluxe charm

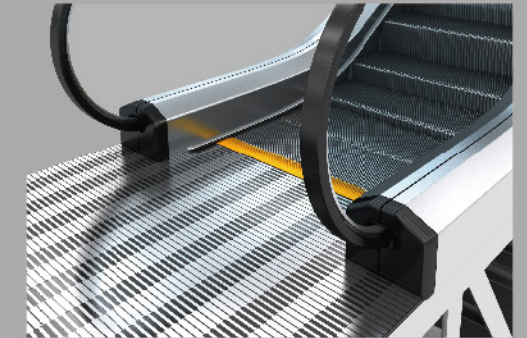
Escalators are equipped with a fault display, which can accurately analyze the operating status and display them on the screen to ensure timely and effective maintenance.

### Attraction of efficiency and safety

Tempered safety glass balustrade panel and luxurious decoration is superior.

### Attraction of high-tech induction

Automatic start/stop running device, it is equipped with an automatic sensor near the floor panel. It can automatically detect and operate when the passenger approaches, and will stop automatically when the passenger leaves.





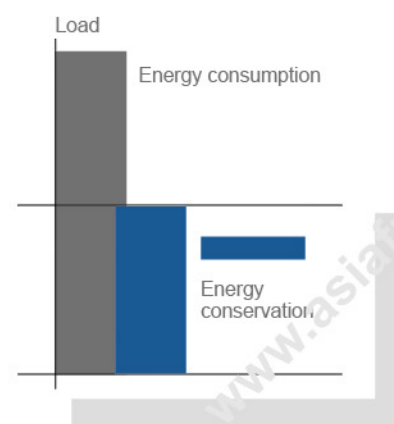
# Moving walk

## Safety and reliability

The anti-slip groove on the surface of the step has good anti-slip performance, which makes passengers safe and comfortable. The extremely small angle of the comb allows the shopping cart to easily enter and exit the moving walk. Dedicated machine, completed security protection function, stable operation and high driving efficiency.

## Energy-saving operation mode

Energy-saving effect can be achieved by VVVF control or self-starting.

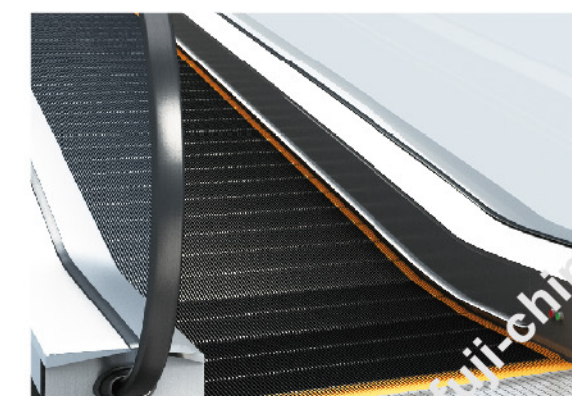
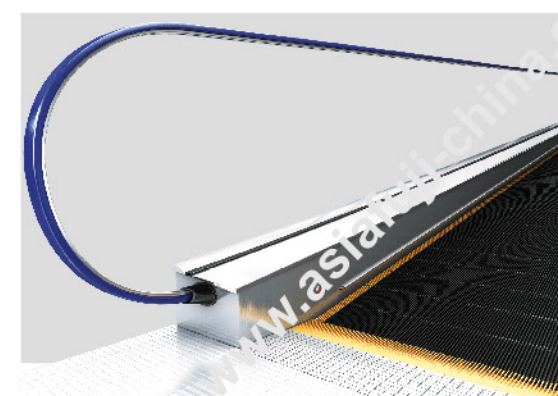


It travels as easily as walking on firm earth by concise and pragmatic charm

It is widely used in shopping malls, airports, shopping centers, entertainment centers, public facilities and other places.

Compact structure, flexible response

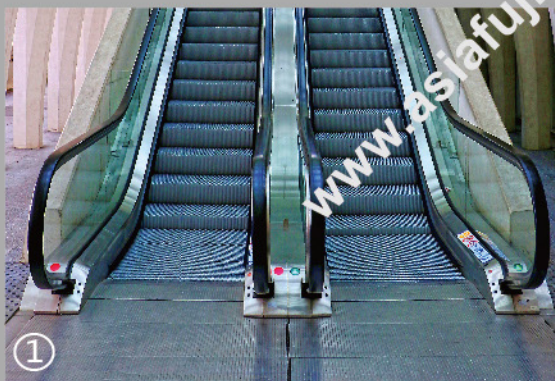
Asia Fuji's pre-installation technology of rail, compact design of mechanical system and handrail drive system can shorten the size of travelator to realize the space of the building to be effectively utilized.





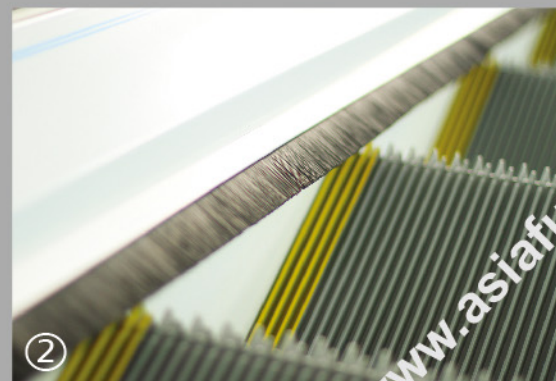
# Configuration

Its superior performance design, firm and integrated spares and parts can more flexibly conform with the bilateral needs from both commercial and public traffic & transportation.



Handrail entry

Innovative, chic, elegant, full of tension and streamlined handrail entry and exit design, empowering the escalator with spirituality and affinity, more beautiful, demonstrating the dignity and temperament of the buildings.



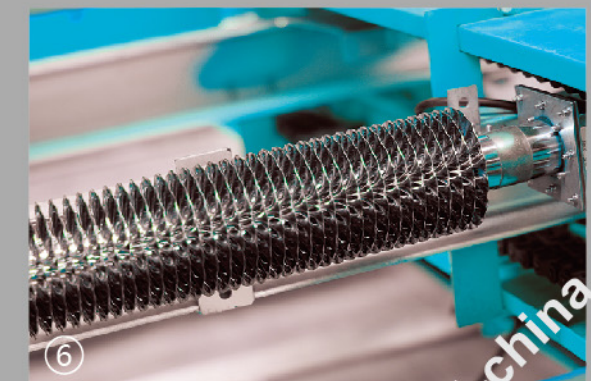
Anti-pinch device

An anti-pinch device mounted behind the skirting panel above the steps prevents the passenger's shoes from rubbing against the skirting and safely and effectively prevents foreign matter from being carried into the steps.



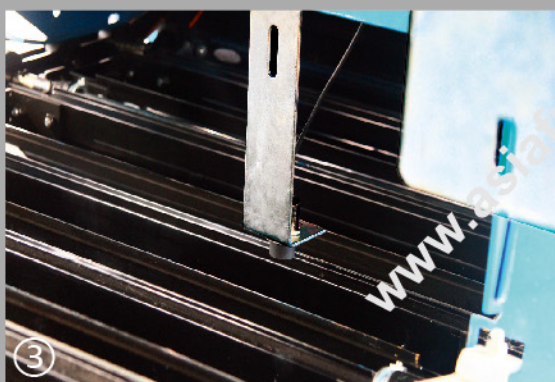
Intermittent operation (automatic start / stop)

Sensors hidden inside the new entrance can detect passengers entering the floor panel and automatically start running. When all passengers leave, they will automatically stop to save energy.



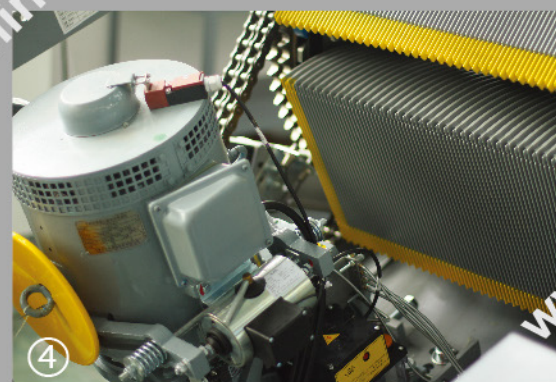
Heating device

The upper part is installed inside the upper machine room, mainly for heating the upper machine room, the middle part is installed in the middle of the escalator, and the lower part is installed inside the lower machine room, mainly heating the entire escalator steps system.



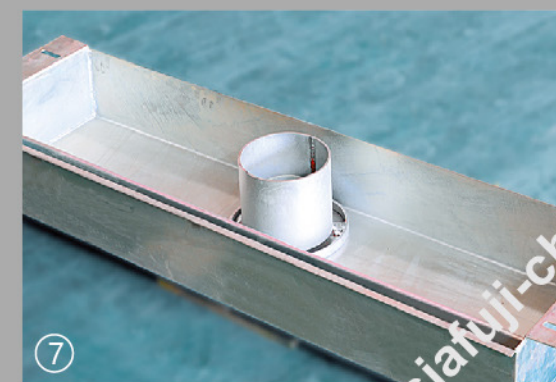
Step missing protection device

The sensor is installed on the escalator step rotation, the escalator will stop running when there is a step missing.



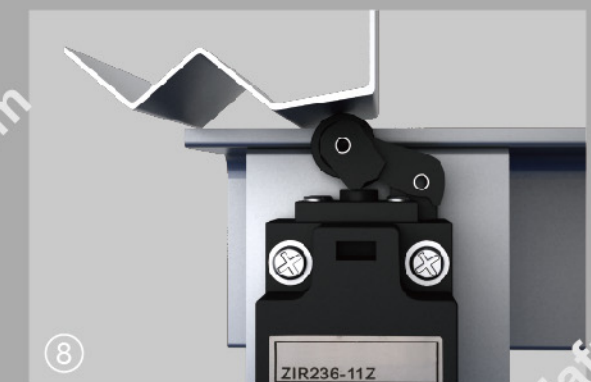
Vertical traction machine

Smooth meshing and reduced friction ensure exceptionally low noise, reduce noise by more than 60%, and provide greater drive efficiency than conventional turbine drives.



Oil-water separator (for outdoor type)

The oil and water of the escalator are separated, and the rainwater is discharged through the oil-water separator. The oil is regularly cleaned, mainly for environmental protection.



Step chain broken protection

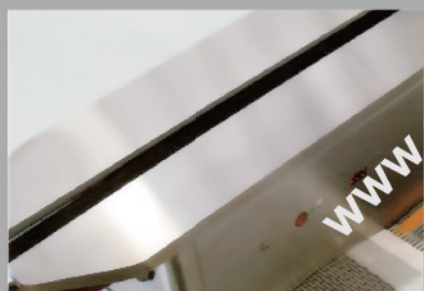
When the step is abnormally bent, the escalator stops before the step enters the comb plate.



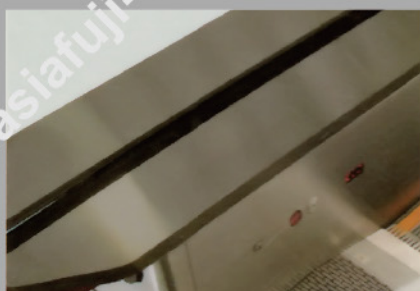
# Optional Configuration

## Inner & outer decking

Hairline stainless steel



Silver painted steel



Beige painted steel



## Step

Black stainless steel  
(standard for indoor type)

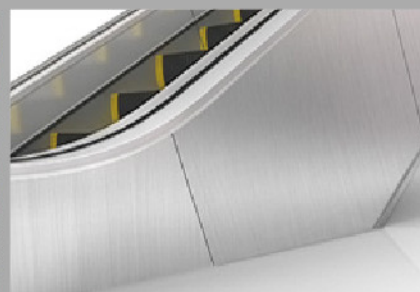


Aluminum alloy die-cast  
(standard for outdoor type)



## Outside cladding

Hairline stainless steel

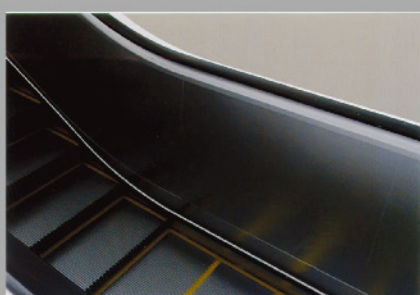


## Balustrade panel

Tempered safety glass



Hairline stainless steel



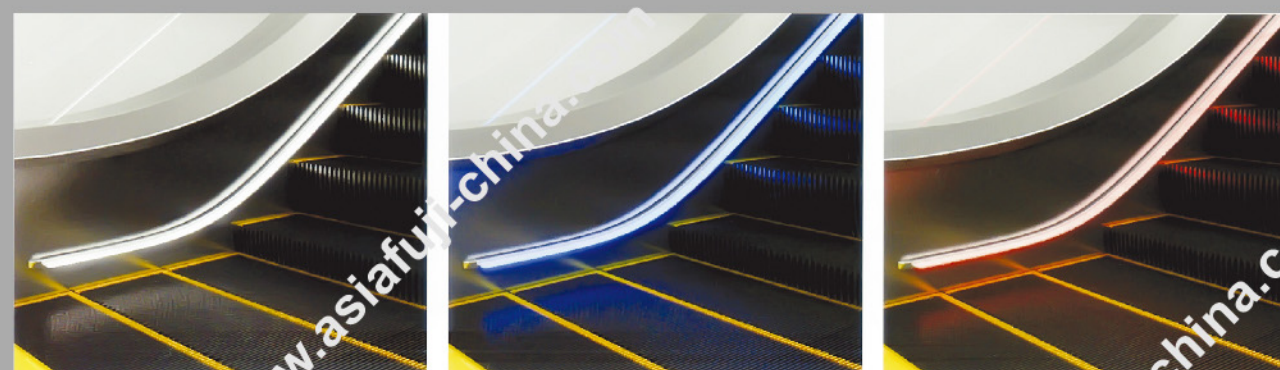
## Traffic flow light (optional)



# Optional Function

## Skirting lighting

White/Blue/Red



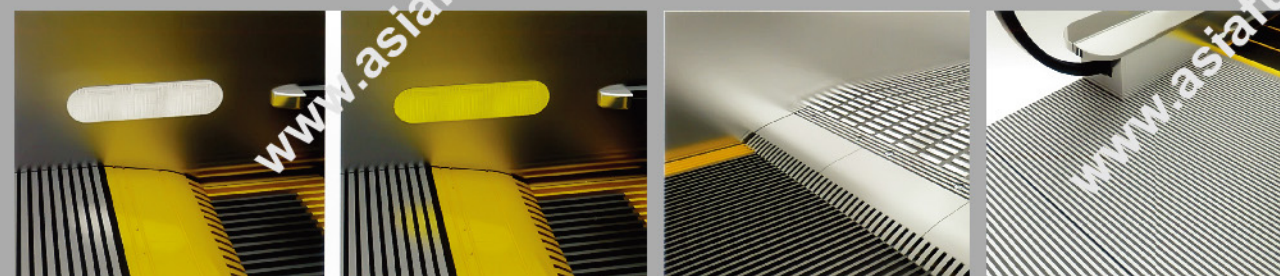
## Handrail color

Gray/Red/Orange/Blue



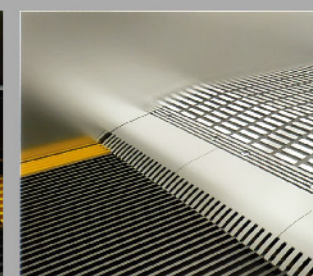
## Comb lighting

White LED / Yellow LED



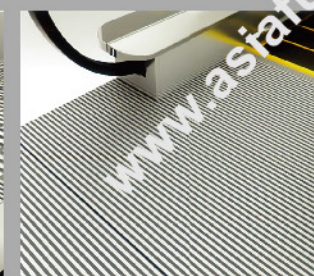
## Comb

Aluminum



## Floor plate

Aluminum

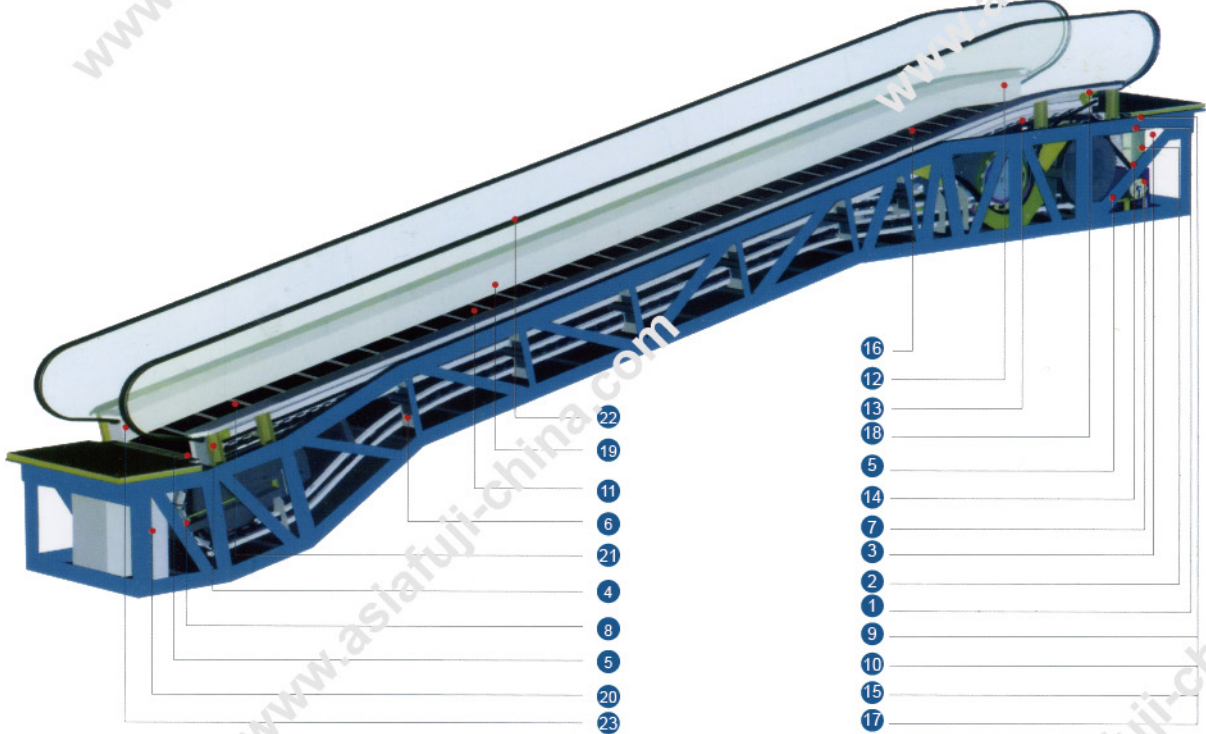




# Safety Devices



Safety devices of escalator



Safety devices of moving walk

Standard Safety Device	Description of functions
1.Lack of phase, error phase protection:	If lack of phase or error phase has been checked out, the escalator (auto-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 disconnecting device to protect the circuit and mains components of the escalator (auto-walk).
4.Handrail inlet protection:	When some foreign substance has been clipped in the handrail inlet, the escalator (auto-walk) will automatically stop the operation.
5.Comb plate safety device:	When some foreign substance has been clipped in or between the combs, the escalator (auto-walk) will automatically stop the operation.
6.Step sagging protection device:	When there is abnormal step bending, the escalator (auto-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 (auto-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 (auto-walk) will automatically stop the operation.
9.Over-speed protection:	When there is over-speed to the escalator (auto-walk), it will automatically stop the operation.
10.Direction reversal protection:	When it comes the unintentional reversal of the direction of travel, the escalator (auto-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 auto-walk offers the selective yellowspray-painted security line.)
12.Emergency stop button:	When the button has been pressed down, the escalator (auto-walk) will stop the operation.
13.Skirt panel protection:	When some foreign substance has been clipped in between the skirt panel and the step, the escalator (auto-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 (auto-walk) stops 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.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.)

Optional Safety Device	Description of functions
20.VVVF variable frequency energy-saving system:	When chooses the frequency converter, it can effectively reduce the energy consumption.
21.Comb illumination:	The illumination has been installed in the skirt panel near the comb plate. It offers the lighting for the step and the comb plate. It is more convenient for the passengers to up and down the escalator.
22.Handrail illumination:	The handrail illumination has been installed in the handrail frame. The gentle light adds charm to the running escalator.
23Automatic start/stop:	The infrared ray sensor which is near the floor plate can detect the passenger that enter into the floor plate. Then it will automatically start the operation. After all the passengers leave, it will automatically stop the operation again in order to save the energy loss. Scanning sensor and traditional guide rod are available for your choice.



# Arrangement

## Interrupted arrangements

Such arrangement covers small space with flexible escalator position. It can only fulfill one-way intermittent passenger flow. It is most applicable for small shopping center and supermarket.

## Paralleled & continuous arrangements

Such arrangement is mainly applicable for large shopping center and public traffic occasions with large passenger flow. It can fulfill two-way continuously large passenger flow. If passenger flow has one-way rush hours, it can adjust the running direction of partial escalator in order to meet passenger flow at rush hours. It needs no inside baffle. It is very economical.

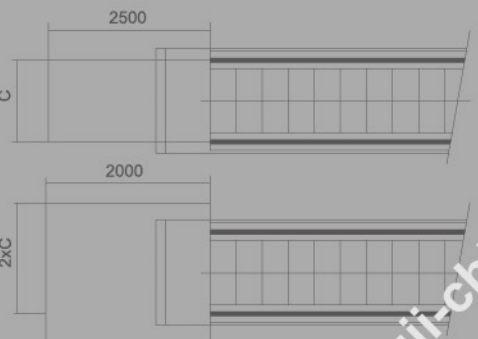
## Cross & continuous arrangements

Such arrangement is mainly applicable for large department store and public building. Delivery times between various floors in those places can be reduced as less as possible.

## Continuous arrangement

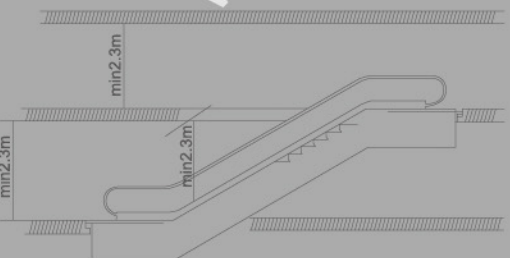
Such arrangement is bigger than space required by intermittent arrangement. It can fulfill one-way continuous passenger flow. It is most applicable for medium and small department store and shopping center.

# Layout



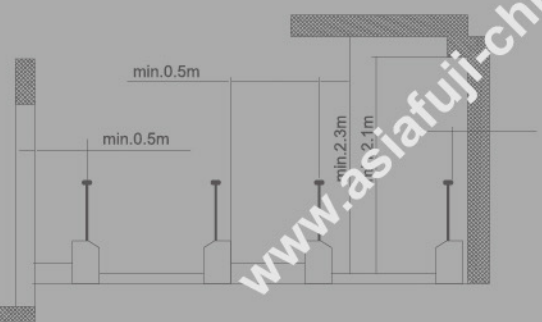
Besides complying with the drawing of the contract, attention should also be drawn to the following

- To ensure the safety of the escalator and moving walk, free space should also be large enough in the landing area. (See the minimum size right)
- C=handrail belt width



## Vertical safety distance

- There should be at least 2.3m upside safety distance staring upward from the step board.
- Notice: if the vertical rise of the escalator, which is installed above another one, is less than 3.3m, the upside safety distance can not reach 2.3m.

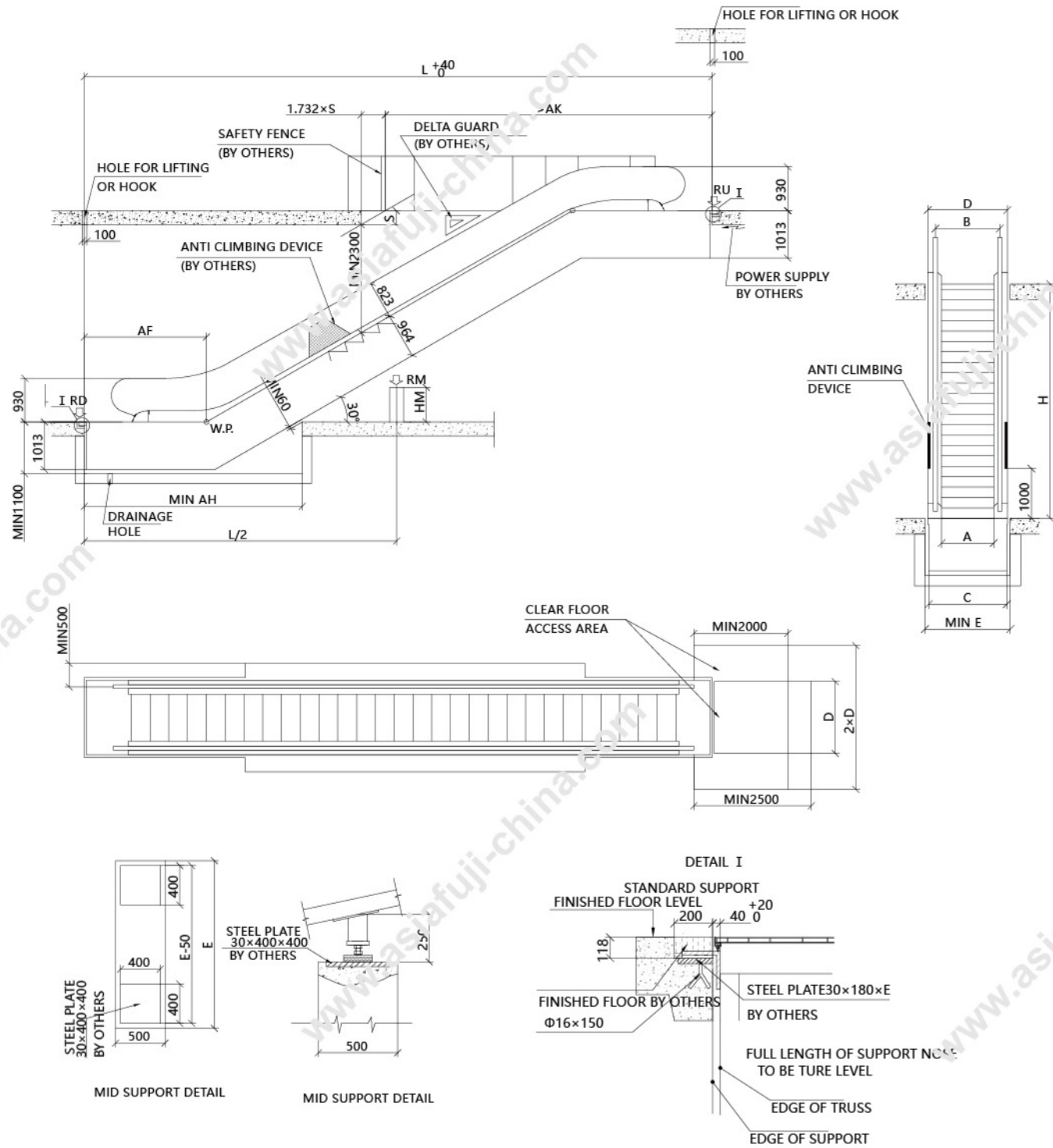


## Escalators and moving walk horizontal safety distance

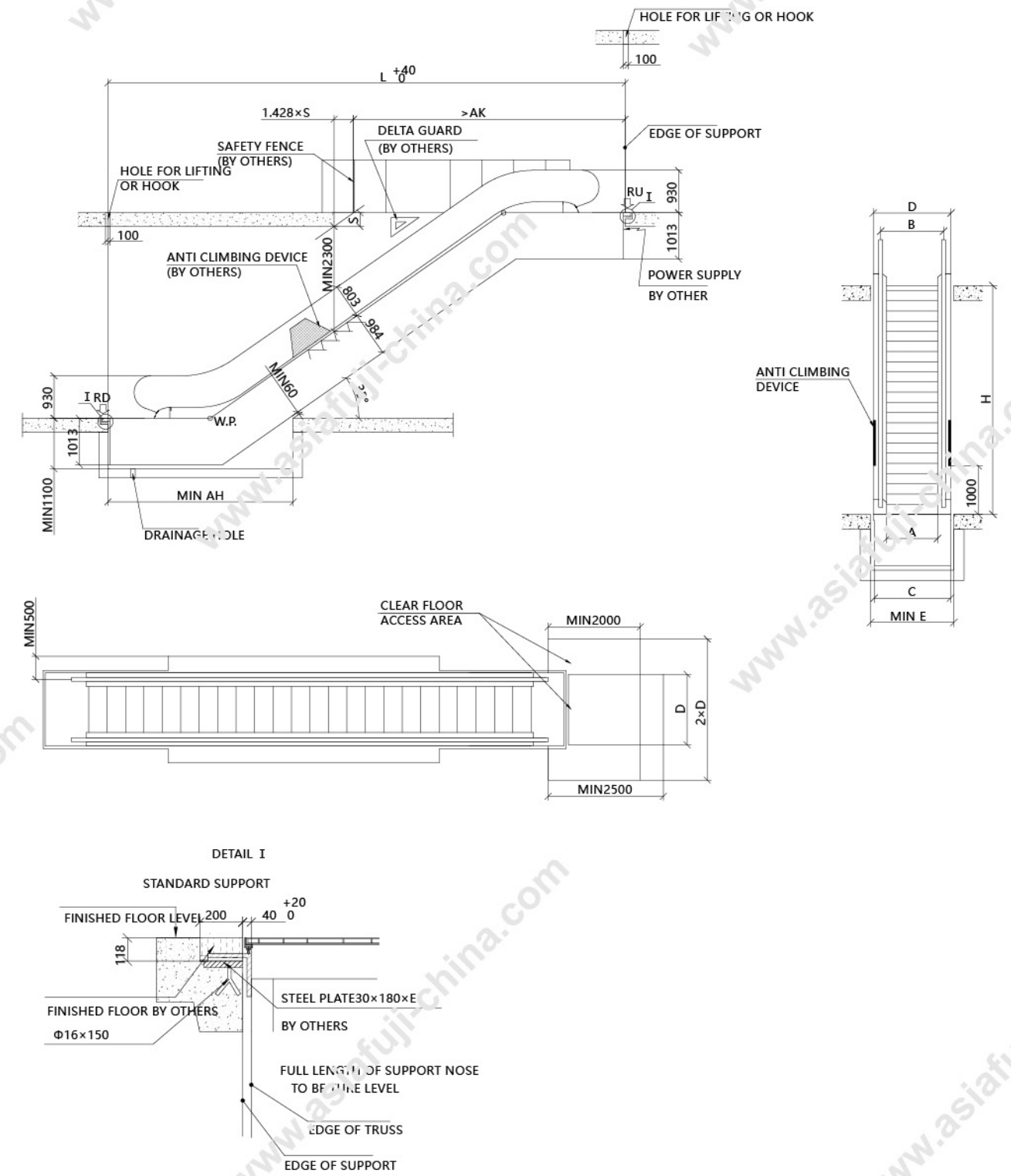
- The horizontal distance between the handrail edge and the wall or other objects should be more than 80mm.
- The vertical distance above the step board should be more than 2.3m.
- The vertical distance above the handrail space should be more than 2.1m.
- In case of floor spaces or the cross layout of escalator and moving walk, the safety distance between the handrail center and the object should be more than 0.5m.
- If the above-mentioned requirements cannot be met, a special protection device and a bumper rail should be used.
- For further information, please contact Asia Fuji elevator.



## 30° Escalator Civil Plan

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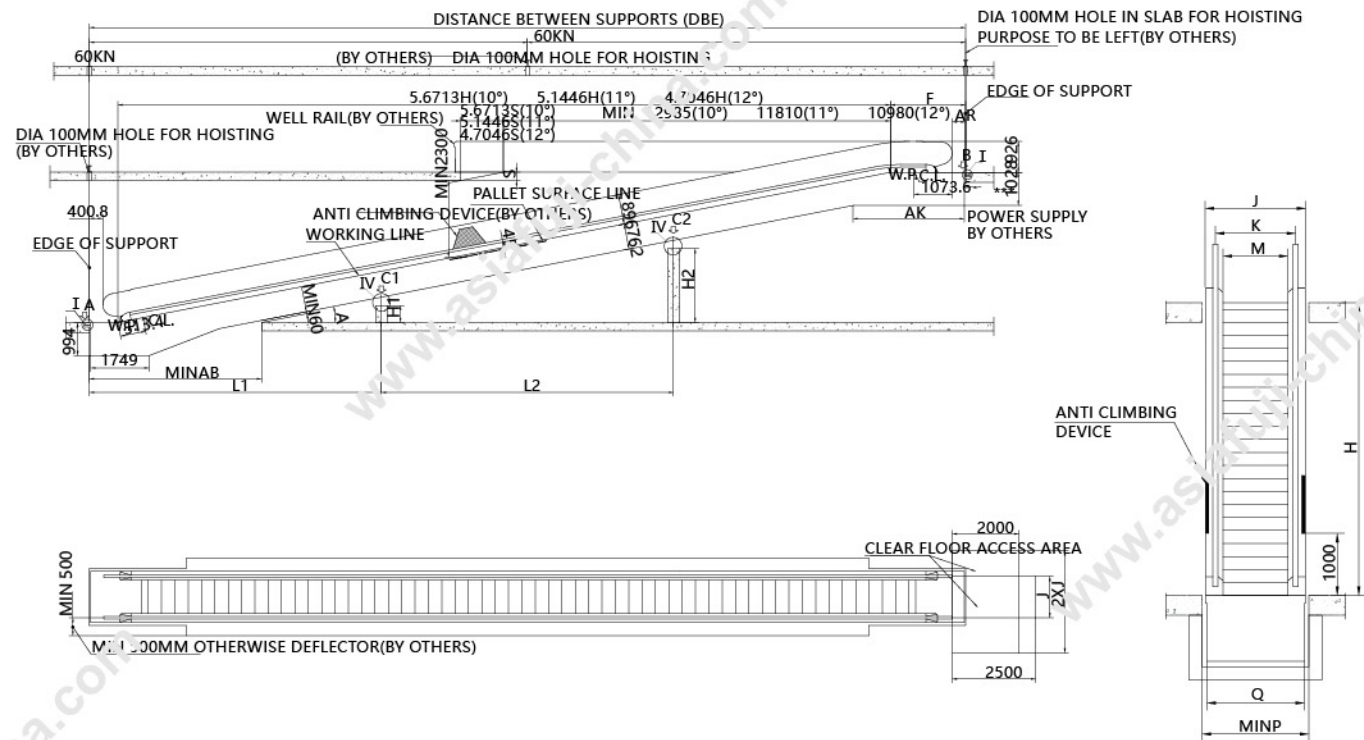
## 35° Escalator Civil Plan



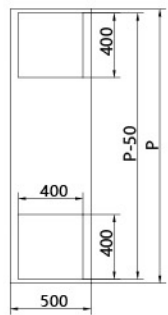
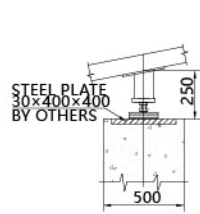
Angle	Speed	Rise	Step width	Span	Other dimensions (mm)					Counterforce (KN)		
$\alpha$	(m/s)	H (mm)	A (mm)	(mm)	min AH	AK	B	C	D	E	RU	RD
30°	0.5	H≤6000	1000	1.428H+4905	4060	5950	1237	1500	1530	1640	4.96L+20	4.96L+13
			800				1037	1300	1330	1440	4.31L+20	4.31L+12
			600	1.428H+5405			6450	837	1100	1130	1240	3.66L+28.5



## 12° Moving Walk Civil Plan

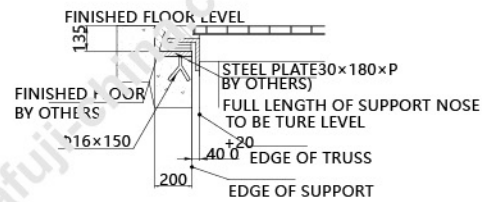


DETAIL IV INTERMEDIATE SUPPORT DETAIL



DETAIL 2

(ARRANGEMENT WITH ANTI-VIBRATION RUBBER PADS OR TEFLON SLIDING PADS)



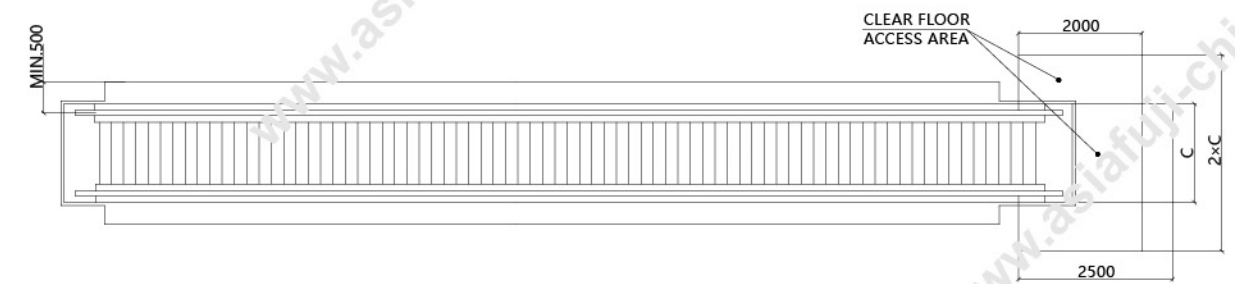
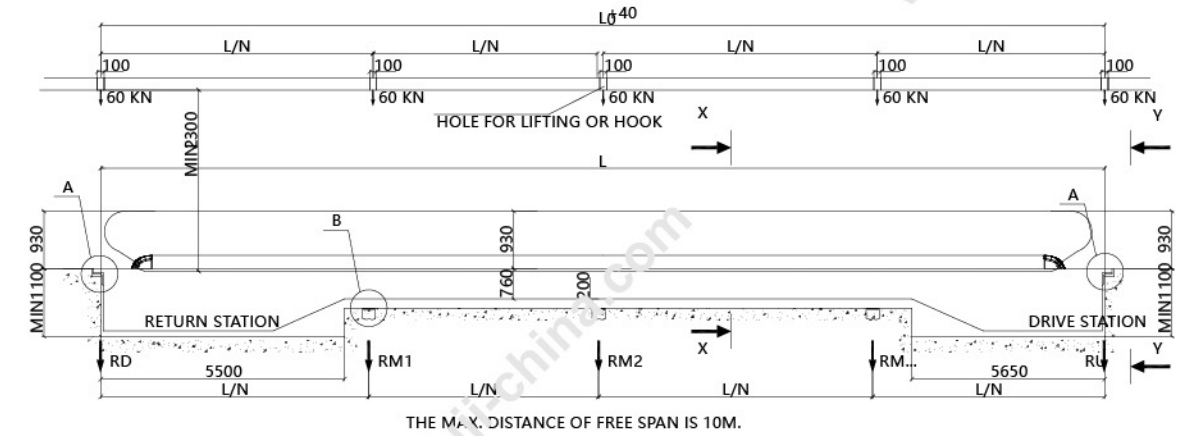
THE TRUSS DON'T NEED EXTENSION IN PRINCIPLE, BUT, IF THE CUSTOMER NEED IT REALLY, PLEASE DRAWING THE LAYOUT ACCORDING TO SCALE.

FOR SPECIAL CONDITIONS SUCH AS EXTENDED FREE SPAN,  
EXTERIOR CLADDING EXCEEDING 200 N/m<sup>2</sup>, WIND LOADS OR  
EARTHQUAKE LOADS PLEASE CONTACT SE.

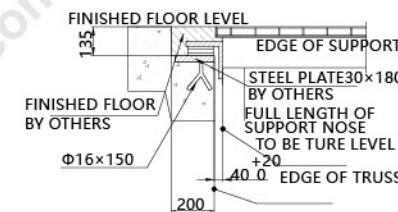
No. of supports	Reaction to support in KN (D in m) (1KN=100kg)							
	Pallet width (mm) 1000				800			
	A	B	C1	C2	A	B	C1	C2
2	4.9D+10.2	4.9D+18	—	—	4.25D+12.2	4.25D+22	—	—
3	2.2D+9	2.2D+18	6.1D+4.2	—	1.9D+1.2	1.9D+21	5.2D+8.2	—
4	1.5D+10	1.5D+19	3.45D+5	3.45D+5.2	1.3D+13	1.3D+21	3.1D+9.2	3.1D+10

Angle	Speed	Rise	Step width	Span	Other dimensions (mm)								Height of support				
$\alpha$	(m/s)	(mm)	M (mm)	D (mm)	K	Q	J	P	F	AB	AK	AR	3 supports H1	4 supports H1                      H2			
10°	0.5	H	1000	(5.6713H+2865.8)	1237	1500	1530	1630	2213.8	5687.8	3473	396.8	(L1-752.3)x0.1763-1105	(L1-752.3)x0.1763-1105	(L1+L2-752.3)x0.1763-1105		
			800		1037	1300	1330	1430									
			1000	(5.1446H+2901.8)	1237	1500	1530	1630	2249.8	5160.3	3505	400.8	(L1-752.3)x0.1944-1107	(L1-752.3)x0.1944-1107	(L1+L2-752.3)x0.1944-1107		
12°			0.5	H	800		1037	1300	1330	1430							
					1000	(4.7046H+2937.8)	1237	1500	1530	1630	2285.8	4732.8	3537	404.8	(L1-752.3)x0.2126-1110	(L1-752.3)x0.2126-1110	(L1+L2-752.3)x0.2126-1110
					800		1037	1300	1330	1430							

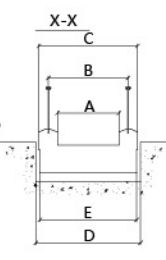
# 0° Moving Walk Civil Plan



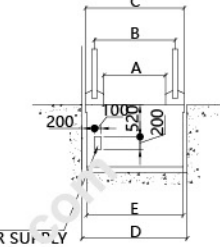
DETAIL A



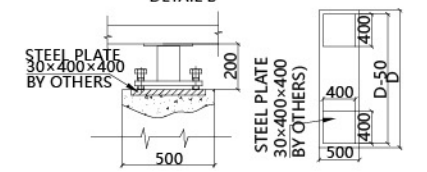
U/D SUPPORT DETAIL



Y-Y



DETAIL B



MID SUPPORT DETAIL      MID SUPPORT DETAIL

ALL GAPS BETWEEN TRAVOLATOR AND BUILDING MUST BE CLOSED WITH ELASTIC MATERIAL.(BY OTHERS)

ADOPT 10mm SOFT WIRE CABLE AS THE POWER SUPPLY CABLE.(BY OTHERS)

FOR SPECIAL CONDITIONS SUCH AS EXTENDED FREE SP. N. EXTERIOR CLADDING EXCEEDING 200 N/m. WIND LOADS OR EARTHQUAKE LOADS PLEASE CONTACT SE.

[illegible]



# After-sale Service



Professional team



Service line



Convenient service



Professional maintenance

## Offering best solution

We firmly believe that superior quality is not the only factor to make a product reach a perfect level. Only with a high-standard service assurance can truly create the maximum value for our customers and customers can indeed enjoy the beyond-value service brought by this product. With the service concept of "ubiquitous service, all for customers", we provide after-sale service guarantee for 24 hours a day, 365 days a year.

Standardization: Globally unified service standard, designed to provide you with professional services

Professionalization: Well-trained service team to provide you with a full range of service solutions

Systematization: Strict and complete service process to ensure perfect service is close to you

Personalization: Hierarchical service scheme, close to your needs, win value for you

